

Office of

AUBURN SEWERAGE DISTRICT

Office Telephone # 784-6469

The regular monthly meeting of the Trustees of the Auburn Sewerage District will be held at the office of the Auburn Sewerage District, 268 Court Street, on Tuesday, August 21, 2012, at 4:00 P.M.

AGENDA

1. Possibly welcome new Trustee??? Hopefully City Council makes appointment Monday, 8/20/12.
2. *Approve Minutes of Regular Meeting of July 17, 2012.
3. Financial Report Update - *Greg Leighton*.
4. *Ratify Payment of Bills
5. Open Session
6. Activity Report - *Sid Hazelton*.
7. New Business
 - Ratify Foss Street easement
 - Initial findings of Smoke Testing for I/I Study
 - Roak Bloak CSO - overflow event
 - Approve easements 268-282 Main Street, Rivershore Place
 - Assessment Charges - general discussion
8. Old Business
 - Littlefield Bridge - relocation of sewer line. May need structural assessment of our trolley bridge.
9. Adjourn Meeting.

July 17, 2012

The regular monthly meeting of the Trustees of the Auburn Sewerage District was held at the Office of the Auburn Sewerage District, 268 Court St. on Tuesday, July 17, 2012 at 4:00PM.

Members present: Treasurer, Robert Cavanagh and President, Beverley Heath.
Trustees: Jeffrey Preble, Stephen Ness and Joseph DeFilipp. Also present: John Storer, Superintendent, Tizz Crowley, Mayor's Representative, Sid Hazelton, District Engineer and Greg Leighton of Maine Water Company.

On motion of Tizz Crowley, seconded by Stephen Ness, it was unanimously voted:
To approve the minutes of the Regular Meeting of June 19, 2012.

FINANCIAL REPORT UPDATE - Revenues are up 5% year to date. The District received payment of \$100,000 from the town of Poland. The District is looking at a projected year end surplus of \$200,000.

On motion of Stephen Ness, seconded by Joseph DeFilipp, it was unanimously voted:
To ratify the payment of bills in the amount of \$ 190,325.18 as shown on the printout dated June 16, 2012– July 11, 2012.

Skelton, Taintor & Abbott drew up a Legal Binding Agreement for the work completed on Cushman Place. The District can use this document as a template for other events in the future.

OPEN SESSION - K. C. Geiger, Auburn Water District Trustee, was in attendance.

ACTIVITY REPORT – The June Activity Report was presented by Sid Hazelton.

NEW BUSINESS

FLUSHABLES-BILL STUFFER OPTIONS - The District should amend its Rules & Regulations with regards to grease traps. We need cooperation to prevent sewer back-ups. Jeffrey Preble suggested starting with a one page insert linking it to the District's website. The District should consider a newspaper article informing the public that wet wipes are not flushable even though the package says they are. The District could print handouts for different locations, targeting restaurants and doctors' offices.

I/I STUDY/SMOKE TESTING – Letters were sent to customers informing them of the smoke testing to be done in their area. They were told to call the District office if they had any breathing issues such as asthma. The District would then knock on their doors the day the testing is to be done on their street.

MEASURING OF THE LAKE - The date was set for Wednesday, August 15th. There will be a formal tour of the UV Plant. There will also be an early tour of facilities and infrastructure.

LITTLEFIELD BRIDGE – SEWER RELOCATION – The District cannot change the sewer elevation. The District may have to bring in an outside consultant. It is still a work in progress.

FUTURE MEETING AT TREATMENT PLANT - Superintendent Storer thought the Trustees would be interested in seeing the new facility which is still in construction. It was decided to leave it as an optional tour.

AUDIT OF 2009 ARRA PROJECTS BY EPA'S OFFICE OF INSPECTOR GENERAL - All water and sewer projects are being audited. It is just a burden of work in that the District has to divert staff resources.

MAINTENANCE OF SHARED LINES – Cushman Place was an example. There is a sink hole at the corner of Mill St. and Riverside Dr. with two parties involved being St. Mary's and a couple from Connecticut. A cooperative agreement to pay for the cost of the work to be done was designed and to be used as a template as the District moves forward. This is good PR and a great service the community as a whole.

OLD BUSINESS –

TOWN OF POLAND – PROGRESS UPDATE - Everything is up and running.

OTHER BUSINESS

WASHINGTON ST. PROJECT - MDOT will be modifying the traffic island by Roy's Hamburger. That project is a work in progress.

TRUSTEE VACANCY – Tizz Crowley will attempt to move the Trustee appointment up on the City of Auburn's Agenda. The Planning Board is trying to arrive at a balance in the different Wards.

ADJOURN THE MEETING

On motion of Jeffrey Preble, seconded by Stephen Ness, it was unanimously voted:
To adjourn the meeting.

**AUBURN SEWERAGE DISTRICT
OPERATING STATEMENT - TRUSTEES' REPORT
SEVEN MONTHS ENDED JULY 31, 2012**

	Jul-11	2012	Y-T-D THRU JULY 2012		
	YTD	BUDGET	ACTUAL	BUDGET	VARIANCE
<u>REVENUES:</u>					
Metered Income	\$1,741,591	\$3,034,924	1,823,277	\$1,770,372	\$52,905
Industrial Surcharge	190,790	369,119	296,028	215,319	80,709
Public Basins	30,525	53,893	20,696	31,438	(10,741)
Jobbing & Mdse.	38,876	12,500	57,722	7,292	50,431
Sewer Assessments	8,979	139,026	11,247	81,099	(69,851)
Finance Charges	11,210	17,530	10,782	10,226	556
Interest Income	2,213	3,377	1,200	1,970	(770)
Industrial Treatment Sampling	50,002	48,200	46,200	28,117	18,083
Capacity Fees (SDS)	9,375	18,000	4,125	10,500	(6,375)
Other Revenue	0	0	0	0	0
TOTAL REVENUES	2,083,561	3,696,569	2,271,279	2,156,332	114,947
<u>EXPENSES:</u>					
Payroll	187,742	370,116	205,655	215,901	(10,246)
Employee Benefits	102,282	195,959	104,425	114,309	(9,884)
Maint. of Sewers	26,204	42,215	55,536	24,625	30,911
Lift Stations	43,092	85,623	65,063	49,947	15,116
Maint. of Buildings	18,886	35,667	19,846	20,806	(960)
Maint. of Trucks	4,860	9,432	6,764	5,502	1,262
Office Expense	16,229	27,967	18,543	16,314	2,229
Collection Expense	(2,227)	(5,219)	(4,498)	(3,044)	(1,454)
General Expense	34,691	10,600	6,285	6,183	102
Insurance	15,991	26,145	18,476	15,251	3,224
Legal & Accounting Fees	16,338	30,494	18,207	17,788	419
Billing Expense	37,952	71,297	31,615	41,590	(9,975)
L.A.W.P.C.A.	906,212	2,147,815	894,100	1,252,892	(358,792)
SUB-TOTAL	1,408,252	3,048,111	1,440,017	1,778,065	(338,048)
Interest	79,252	110,163	67,706	64,262	3,444
TOTAL EXPENSES	1,487,504	3,158,274	1,507,722	1,842,327	(334,604)
SURPLUS FROM OPS	596,057	538,295	763,556	314,005	449,551
Bonds - Principal Payments	191,677	575,945	192,974	335,968	(142,994)
Poland Contribution	0	100,000	100,000	58,333	41,667
Equipment	45,143	41,750	4,202	24,354	(20,152)
TOTAL	359,237	20,600	666,381	12,017	654,364

**Auburn Sewerage District
Accounts Payable Alpha Check Register
July 12, 2012 thru August 17, 2012**

8/16/2012

<u>Check #</u>	<u>Date</u>	<u>Per</u>	<u>Vendor</u>	<u>Invoice Date</u>	<u>Inv #</u>	<u>Description</u>	<u>Amount</u>
2501	7/16/2012	7	Able Power Rooter Service	7/9/2012	1335	134 Lake St	<u>261.00</u>
Vendor Total:							261.00
2510	7/20/2012	7	Andros. Registry Of Deeds	7/19/2012	1340	release liens	<u>48.00</u>
Vendor Total:							48.00
2514	7/27/2012	7	Andros. Registry Of Deeds	7/26/2012	1343	place/release liens	<u>32.00</u>
Vendor Total:							32.00
2530	8/17/2012	8	Andros. Registry Of Deeds	8/16/2012	1350	release lien	<u>16.00</u>
Vendor Total:							16.00
2515	7/27/2012	7	Auburn Water District	7/17/2012	Bk25 P.	June billing	<u>21,827.51</u>
Vendor Total:							21,827.51
2511	7/20/2012	7	Central Maine Power Co.	7/13/2012	1341	Spring Water Rd-Poland	<u>29.71</u>
Vendor Total:							29.71
2529	8/17/2012	8	Charles Burns	8/10/2012	1349	customer refund	<u>20.99</u>
Vendor Total:							20.99
2499	7/16/2012	7	Constance Whitmore	7/11/2012	1333	customer refund	<u>15.41</u>
Vendor Total:							15.41
2502	7/16/2012	6	Constellation NewEnergy, Inc	6/26/2012	647816	Bradman St	<u>242.82</u>
Vendor Total:							242.82
2516	7/27/2012	7	Constellation NewEnergy, Inc	7/6/2012	658326	Worthley Brook	<u>537.92</u>
Vendor Total:							537.92
2524	8/3/2012	7	Constellation NewEnergy, Inc	7/14/2012	667142	Lewiston Jct Rd	<u>253.68</u>
2524	8/3/2012	7	Constellation NewEnergy, Inc	7/14/2012	667158	River Station	<u>515.72</u>
2524	8/3/2012	7	Constellation NewEnergy, Inc	7/14/2012	667142	Morrow Road	<u>24.37</u>
2524	8/3/2012	7	Constellation NewEnergy, Inc	7/14/2012	667141	Moose Brook	<u>314.04</u>
Vendor Total:							1,107.81
2531	8/17/2012	7	Constellation NewEnergy, Inc	7/24/2012	676642	Washington St	<u>251.39</u>
2531	8/17/2012	7	Constellation NewEnergy, Inc	7/27/2012	680436	Bradman St	<u>163.85</u>
Vendor Total:							415.24
2500	7/16/2012	7	David-Sally Soelle	7/11/2012	1334	customer refund	<u>55.00</u>
Vendor Total:							55.00
2522	7/27/2012	7	E.J. Prescott, Inc.	7/2/2012	455334	vas usage	<u>378.28</u>
Vendor Total:							378.28
2517	7/27/2012	7	Gagne & Sons	7/16/2012	201489	mortar mix-manholes	<u>67.44</u>
Vendor Total:							67.44
2525	8/3/2012	7	Gagne & Sons	7/23/2012	201516	Manholes	<u>213.72</u>
Vendor Total:							213.72
2532	8/17/2012	7	Gagne & Sons	7/19/2012	201504	Sunderland Dr	<u>88.04</u>
2532	8/17/2012	7	Gagne & Sons	7/24/2012	201522	manholes	<u>464.34</u>

**Auburn Sewerage District
Accounts Payable Alpha Check Register
July 12, 2012 thru August 17, 2012**

8/16/2012

<u>Check #</u>	<u>Date</u>	<u>Per</u>	<u>Vendor</u>	<u>Invoice Date</u>	<u>Inv #</u>	<u>Description</u>		<u>Amount</u>
							Vendor Total:	552.38
2533	8/17/2012	8	Gilman Electrical Supply	8/9/2012	742181	E-1		<u>275.04</u>
2533	8/17/2012	8	Gilman Electrical Supply	8/7/2012	741943	E-1		<u>609.08</u>
2533	8/17/2012	8	Gilman Electrical Supply	8/14/2012	742512	E-1		<u>342.86</u>
2533	8/17/2012	8	Gilman Electrical Supply	8/15/2012	742712	E-1		<u>26.50</u>
							Vendor Total:	1,253.48
2526	8/3/2012	8	Group Dynamic, Inc.	7/25/2012	1344	August		<u>33.00</u>
							Vendor Total:	33.00
2506	7/16/2012	6	Industrial Automation Supply	6/22/2012	91964	Poland		<u>597.83</u>
							Vendor Total:	597.83
2498	7/16/2012	7	Joan Jones	7/11/2012	1332	customer refunf		<u>19.59</u>
							Vendor Total:	19.59
2537	8/17/2012	7	K. L. Jack & Co., Inc.	7/30/2012	530327	E-1 pump station		<u>167.81</u>
							Vendor Total:	167.81
2518	7/27/2012	7	L.A.W.P.C.A.	7/2/2012	349	July		<u>119,775.33</u>
							Vendor Total:	119,775.33
2512	7/20/2012	7	Maine Central RR, Treasurer	7/1/2012	412078	3 sewers		<u>5.00</u>
							Vendor Total:	5.00
2527	8/3/2012	8	Maine Municipal Assoc.	7/15/2012	21144	3rd installment		<u>502.50</u>
							Vendor Total:	502.50
2520	7/27/2012	7	Maine Municipal Association	7/1/2012	14088	Property&casualty		<u>9,734.00</u>
							Vendor Total:	9,734.00
2519	7/27/2012	8	Maine Municipal Emp.Hlth.	7/11/2012	1342	August		<u>6,495.63</u>
2519	7/27/2012	8	Maine Municipal Emp.Hlth.	7/11/2012	1342	August		<u>69.30</u>
2519	7/27/2012	8	Maine Municipal Emp.Hlth.	7/11/2012	1342	August		<u>352.35</u>
2519	7/27/2012	8	Maine Municipal Emp.Hlth.	7/11/2012	1342	August		<u>1,146.29</u>
2519	7/27/2012	8	Maine Municipal Emp.Hlth.	7/11/2012	1342	August		<u>192.89</u>
							Vendor Total:	8,256.46
2521	7/27/2012	7	Morin Brick Company	7/19/2012	147174	manhole bricks		<u>867.57</u>
							Vendor Total:	867.57
2513	7/20/2012	7	Paul's Clothing Store	7/13/2012	71312	Hamann		<u>100.97</u>
							Vendor Total:	100.97
2538	8/17/2012	8	Petro's Ace Hardware	8/13/2012	72017	Wortley Brook		<u>9.98</u>
2538	8/17/2012	8	Petro's Ace Hardware	8/13/2012	72024	E-1		<u>18.77</u>
2538	8/17/2012	8	Petro's Ace Hardware	8/14/2012	72027	E-1		<u>12.79</u>
							Vendor Total:	41.54
2507	7/16/2012	6	Power Products, Inc.	6/25/2012	877121	Portable A		<u>345.00</u>
							Vendor Total:	345.00

**Auburn Sewerage District
Accounts Payable Alpha Check Register
July 12, 2012 thru August 17, 2012**

8/16/2012

<u>Check #</u>	<u>Date</u>	<u>Per</u>	<u>Vendor</u>	<u>Invoice Date</u>	<u>Inv #</u>	<u>Description</u>	<u>Amount</u>
2523	7/27/2012	7	Provencher's	7/23/2012	A-6469	Poland	1,434.00
Vendor Total:							1,434.00
2508	7/16/2012	7	Rent-It Of Maine, Inc.	7/5/2012	73536	I/I Study-trk rental	675.00
Vendor Total:							675.00
2539	8/17/2012	8	Rent-It Of Maine, Inc.	8/1/2012	73681	IT Study-tk rental-Aug	675.00
Vendor Total:							675.00
2528	8/3/2012	7	Ted Berry Co., Inc.	7/18/2012	10071	Summer St-sewer maint	1,642.25
2528	8/3/2012	7	Ted Berry Co., Inc.	7/2/2012	10035	Summer St	1,836.00
Vendor Total:							3,478.25
2509	7/16/2012	7	UNITIL ME	6/29/2012	1336	Green Turtle	21.95
Vendor Total:							21.95
2540	8/17/2012	7	UNITIL ME	7/30/2012	1345	Green Turtle	20.86
Vendor Total:							20.86
2504	7/16/2012	7	Vantagepoint Transfer Agent-6/30/2012		1338	June	1,048.88
Vendor Total:							1,048.88
2535	8/17/2012	7	Vantagepoint Transfer Agent-7/31/2012		1348	July	1,345.11
Vendor Total:							1,345.11
2503	7/16/2012	7	Vantagepoint Transfer Agent-6/30/2012		1339	June	720.24
Vendor Total:							720.24
2534	8/17/2012	7	Vantagepoint Transfer Agent-7/31/2012		1347	July	950.56
Vendor Total:							950.56
2505	7/16/2012	7	Vantagepoint Transfer Agent-6/30/2012		1337	June	40.00
Vendor Total:							40.00
2536	8/17/2012	7	Vantagepoint Transfer Agent-7/31/2012		1346	July	60.00
Vendor Total:							60.00
2541	8/17/2012	7	Weston & Sampson	7/20/2012	411492	IT Study	7,621.00
Vendor Total:							7,621.00
Grand Total:							185,612.16

Net Payroll + Taxes

37,505.11
213,117.27

ASD BILLS PAID
7/31/2012

VENDOR	REF	AWD G/L #	ASD G/L #	Amount
Auburn Water District	shared employees benefit allocation -	1604-000	2604-000	1,788.94
Auburn Water District	shared employees wage allocation -	1685-000	2601-600	3,975.42
Auburn Water District	petty cash-office supplies, janitor supplies	1231-010	2620-800	13.26
Auburn Water District	petty cash-office supplies, janitor supplies	1231-010	2675-800	45.58
Auburn Water District	petty cash-office supplies, janitor supplies	1231-010	2620-200	81.19
City of Auburn	gas for month of June	1231-010	2650-120	347.41
City of Auburn	gas for month of June	1231-010	2650-121	397.89
City of Auburn	gas for month of June	1231-010	2620-500	66.95
City of Auburn	street opening permits	1231-010	2620-600	497.50
City of Auburn	gas for month of July	1231-010	2650-120	206.64
City of Auburn	gas for month of July	1231-010	2620-500	177.03
City of Auburn	gas for month of July	1231-010	2650-121	242.24
Beltone Answering Service	answering service - July	1231-010	2675-800	51.50
Bisson Enterprises, Inc.	office cleaning - July	1231-010	2675-500	282.50
Central Maine Power	power @ 268 Court Street -	1231-010	2615-500	159.56
Central Maine Power	power @ 268 Court Street -	1231-010	2615-800	79.78
Constellation NewEnergy	energy charge @ 268 Court Street -	1231-010	2615-500	374.42
Constellation NewEnergy	energy charge @ 268 Court Street -	1231-010	2615-800	187.22
Coastal T-Shirts	t shirts for employees	1231-010	2241-060	6.45
Coastal T-Shirts	t shirts for employees	1231-010	2604-000	38.80
Dig Safe System, Inc.	estimated cost - July	1231-010	2675-600	296.30
DirigoNet	domain fee - email spam June	1231-010	2675-800	25.00
DirigoNet	domain fee - email spam July	1231-010	2675-800	25.00
Dube's Flower Shop	Diane Drinkwater	1231-010	2675-800	23.50
Goodman Wiper & Paper	shop supplies	1231-010	2620-500	34.75
IAS	Goff Hill	1231-010	2620-650	1,664.08
Lapointe's Lawn	lawn mower parts	1231-010	2620-500	27.83
Longchamps	gravel-stock	1231-010	2620-500	300.00
MM Health Ins	health insurance premium adjustment for David Hamann -	1241-070	2241-070	100.80
MM Health Ins	health insurance premium adjustment for David Hamann -	1241-065	2241-065	81.30
MM Health Ins	health insurance premium adjustment for David Hamann -	1241-050	2241-050	18.76
City of Lewiston	wages and benes - Dan Rodrigue - June	1231-010	2601-600	2,048.85
City of Lewiston	wages and benes - Dan Rodrigue - June	1231-010	2604-000	598.93
City of Lewiston	wages and benes - Dan Rodrigue - June	1231-010	2658-000	75.80
City of Lewiston	wages and benes - Dan Rodrigue - July	1231-010	2601-600	1,422.32
City of Lewiston	wages and benes - Dan Rodrigue - July	1231-010	2604-000	862.55
City of Lewiston	wages and benes - Dan Rodrigue - July	1231-010	2658-000	45.23
Maine Oxy	speciality gas	1231-010	2675-500	3.79
Maine State Retirement System	retirement contribution - life insurance - June	1231-010	2241-030	90.36
Maine State Retirement System	retirement contribution - maine state retirement - June	1231-010	2604-000	1,608.45
Maine State Retirement System	retirement contribution - retiree's - June	1231-010	2241-040	10.63
Maine State Retirement System	retirement contribution - life insurance - July	1231-010	2241-030	138.27
Maine State Retirement System	retirement contribution - maine state retirement - July	1231-010	2604-000	1,428.74
Maine State Retirement System	retirement contribution - retiree's - July	1231-010	2241-040	37.90
Maine Water Company	accounting services - Greg Leighton - July	1231-010	2632-800	1,498.00
WB Mason	toilet paper, multi towels	1231-010	2620-500	62.48
WB Mason	ribbon cartridges, pen refills	1231-010	2620-800	52.74
WB Mason	letter folders	1231-010	2620-800	6.79
WB Mason	office supplies	1231-010	2620-800	37.90
WB Mason	toilet paper, multi towels	1231-010	2620-500	64.99
WB Mason	trash bags	1231-010	2620-500	16.27
Napa	shop supplies	1231-010	2620-500	9.64
Napa	shop supplies	1231-010	2620-500	2.69
Northern Data Systems	customer billing - July	1231-010	2675-700	969.88
Oxford Networks	telephone service - June & July	1231-010	2676-800	780.11
Pine Tree Waste	bulk waste - July	1231-010	2675-500	54.55
Pine Tree Waste	bulk waste - July	1231-010	2675-500	54.17
Reggie's	belt-cut off saw	1231-010	2620-500	18.57
Reggie's	weed wacker line & spool	1231-010	2620-500	20.97
Staples	battery for computer	1231-010	2675-650	59.99
John Storer	business mileage reimbursement - July	1231-010	2675-500	175.00
Tiger Direct	scada replacement computer	1231-010	2347-500	918.01
TW Paving	sewer service repairs	1231-010	2675-600	955.56
U.S. Cellular	cell phones - July	1231-010	2676-500	179.57
United Way	employee contribution -	1231-010	2241-000	30.00
Unitil	268 Court Street - July	1231-010	2620-500	9.69
Wells Fargo Financial	Konica Digital Copier - lease - July	1231-010	2675-800	107.10
				26,074.09

OVERFLOWS

Item		Comments
Troy St #006	1	Odor Complaint - outfall OK
Download CSO's	1	
Riverside @ Mill St	1	Confind space entry inspection
Monthly Totals	3	
YTD Totals	17	

WEATHER*

Month	Precipitation					Temperature			
	Snowfall (in.)	Total (in)	Heating Degree Days	Normal Precip	Days of Precip.	Max. (°F)	Min. (°F)	Avg. (°F)	Dep. from Norm
January	14.7	1.91	1308	3.26	9	51	-11	23	3.5
February	5.5	1.03	975	2.55	7	48	0	28	5.1
March	0.0	1.08	783	3.64	6	82	12	40	7.5
April	0.0	4.31	593	3.78	7	82	21	45	1.3
May	0.0	5.21	286	3.9	11	82	33	56	0.6
June	0.0	11.73	148	3.58	11	93	44	62	-2.4
July	0.0	1.95	3	3.43	13	86	48	70	-0.1
August									
September									
October									
November									
December									
YTD Totals	20.20	27.22							

* From www.wunderground.com

DIG SAFE

Month	Total	Contractors	MDOT	AHD	School Dept.	Lewiston Water	Fairpoint	AWD	CMP	ASD	GAS	MTA
January	34	19	0	3	0	0	1	6	4	0	1	0
February	32	13	0	8	0	0	3	2	5	1	0	0
March	91	36	6	31	0	0	0	4	4	2	8	0
April	119	71	0	18	0	0	1	6	8	2	12	1
May	142	74	2	27	0	0	2	12	17	1	7	0
June	138	70	9	26	0	0	0	8	5	1	16	3
July	153	74	1	44	0	0	0	7	5	1	21	0
August												
September												
October												
November												
December												
YTD Totals	709	357	18	157	0	0	7	45	48	8	65	4
2011 Totals	624	332	10	151	1	3	3	37	35	2	47	3

DUTY FOREMAN CALLS

(Overtime)

Districts	Total	High/Low Pressure	Water Quality	Alarms	Sewer Service	Leak	Misc.	Locates	Hydrants	Meter	Fire Calls
Sewerage District	4			2	2	0	0	0	0	0	0
Water District	8	0	1	3		0	4	0	0	0	0
Monthly Totals	12	0	1	5	2	0	4	0	0	0	0
2011 Monthly Totals	26	2	0	0	5	3	4	4	2	5	1
YTD Totals	117	7	4	5	17	22	22	11	4	22	3

OTHER ACTIVITIES

1. I & I Study Smoke Testing
- 2.
- 3.
- 4.
- 5.
- 6.

Foss St.
P. 1 of 2

MAINE SHORT FORM QUITCLAIM DEED
WITHOUT COVENANT

EASEMENT

KNOW ALL MEN BY THESE PRESENTS that the **Inhabitants of the Municipality of Auburn**, a body corporate located in the County of Androscoggin, and State of Maine, hereinafter called the "Grantor", in consideration of one dollar and other valuable consideration paid by the **AUBURN SEWERAGE DISTRICT**, a quasi-municipal corporation, duly chartered under the laws of the State of Maine, and located at **268 Court Street, Auburn, Maine**, the receipt whereof is hereby acknowledged, does hereby grant and convey to the Auburn Sewerage District, its successors and assigns to have and to hold forever the perpetual right and easement to enter upon land of the Grantor to repair, replace and maintain a sanitary sewer pipe with necessary appurtenances on property in **AUBURN, COUNTY OF ANDROSCOGGIN, MAINE**, as depicted on Exhibit A, attached hereto, and being more particularly described as follows:

Beginning on the southerly line of Minot Avenue at the northeasterly corner of Lot 7 as depicted on a plan entitled Foss Farm Lots, dated 1920 and recorded at the Androscoggin County Registry of Deeds in Plan Book 4, Page 127; thence southerly along the easterly line of Lot 7 and Lot 25 as depicted on said plan two hundred (200.00) feet to the southwesterly corner of Lot 25; thence easterly, at right angles to the last course, twenty (20.00) feet; thence northerly parallel to the first course two hundred (200.00) feet to the southerly line of Minot Avenue; thence westerly along the southerly line of Minot Avenue twenty (20.00) feet to the point of beginning. Said parcel being the westerly half of that portion of Foss Street lying between Minot Avenue and Swett Avenue as depicted on the above referenced Foss Farm Lots plan and being a portion of the premises acquired by virtue of the tax liens recorded on July 11, 1989 in Book 2432, Page 274 on June 13, 1990 in Book 2565, Page 25.

This easement is granted and is subject to the following conditions and covenants:

1. The Grantor covenants and agrees for himself, his heirs and assigns that they will not erect any permanent structure above the location of the pipes of the Grantee.
2. The Auburn Sewerage District covenants and agrees with the Grantor, his heirs, successors and assigns that it will cause no unnecessary damage in connection with its use of the land above described and that upon each and every entry it will restore the surface to its condition prior to each entry so far as is possible and will not otherwise interfere with the Grantor's use of said land.

Witness its hand and seal this 27th day of July 2012.

WITNESS
[Signature]

CITY OF AUBURN
[Signature]
Clinton Deschene,
It's City Manager

[Signature]

AUBURN SEWERAGE DISTRICT
[Signature]
John B. Storer
It's Superintendent

STATE OF MAINE
COUNTY OF ANDROSCOGGIN, SS:
Then personally appeared the above named in their said capacities, and acknowledged the foregoing instrument to be their free act and deed.

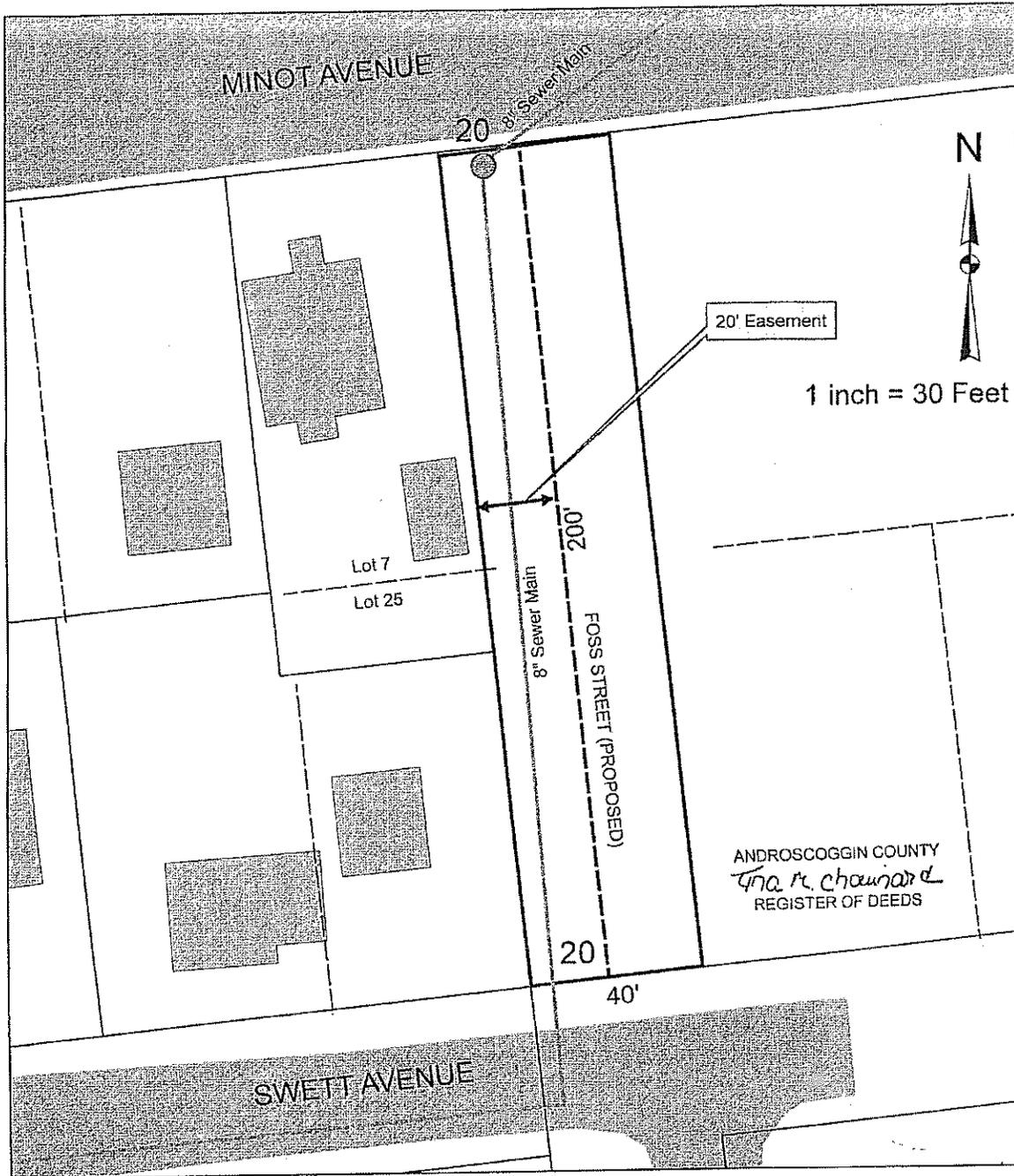
Before me, [Signature]



SUSAN B. LAJOIE
NOTARY PUBLIC, MAINE
MY COMMISSION EXPIRES OCT 15, 2016

Foss St.
p. 2 of 2

Exhibit A Sewer Line Easement



Smoke Testing - Initial Update

SMOKE TESTING

Procedure:

Smoke testing consists of pumping a white, non-toxic smoke into the sanitary sewer collection system and observing the surrounding area for smoke escaping from the ground or from drainage structures. The appearance of smoke indicates either a direct or indirect connection through which surface runoff may enter the sanitary sewer system. Direct sources include catch basins, driveway drains, patio drains, stairwell drains, yard drains, or roof leaders which are directly connected to the sewer system. Indirect sources include cracked pipes or offset joints in adjacent sanitary sewer and drain pipes that create an indirect connection between the drain and sanitary sewer systems.

Preparation:

In preparation for the smoke testing, the Auburn Sewerage District (ASD) made extensive efforts for providing notice to the localized areas in which the smoke testing would be located and education of the general public. ASD distributed pre-testing notices including the date of the testing, information about the smoke candles to be used, and the number for a voicemail extension set up to allow for members of the community to call with questions and concerns. These notices were distributed to residents on the streets that would be tested, and upon completion of the testing the same residents would receive a post-test notice to inform them that the testing had been completed in the area. In addition to the noticing, ASD coordinated a press release in the local Sun Journal and added pertinent testing information to the website as additional places the public could be made aware of the smoke testing effort. Furthermore, a meeting was held at the ASD building prior to the start of testing to coordinate with the Auburn City Council, Fire Department and Police Department.

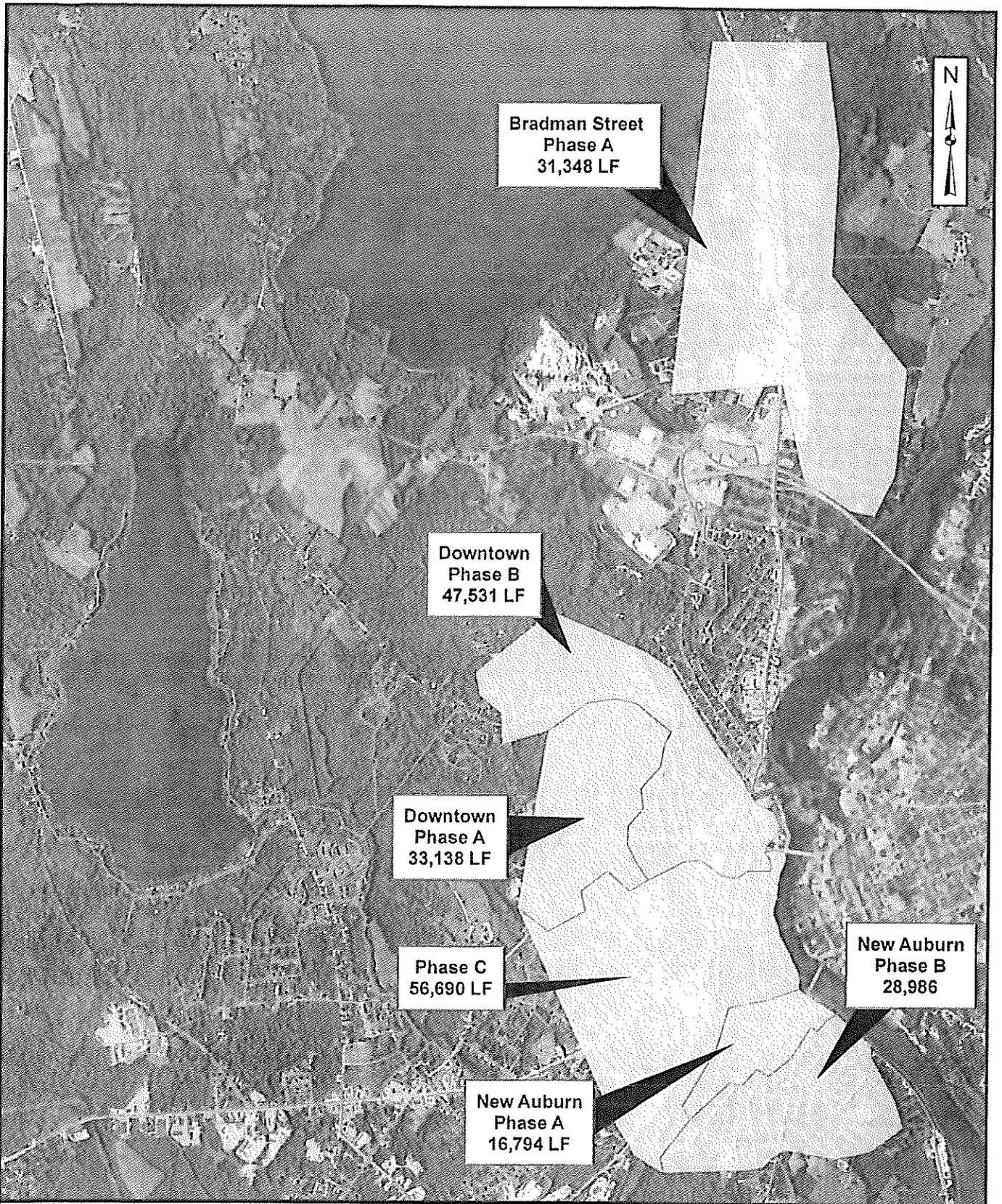
Summary of Results:

Smoke testing was performed in three (3) phases by Weston & Sampson on 214,487 linear feet (lf) of sanitary sewer between July 17th and August 9th, 2012. Phase A included 31,348 lf of pipe north of the Bradman Street pump station, 33,138 lf within the downtown area and 16,794 lf within the NEW Auburn area. Phase B included 47,531 lf within the downtown area and 28,986 lf within the New Auburn area. Phase C consisted of 56,690 lf of pipe between the New Auburn Phase A and B areas and the downtown Phase A and B areas. These areas can be seen on the attached Smoke Testing Area locus map.

One hundred and seventy (170) defects were identified through smoke testing. Fifty-seven (57) defects are suspected to be directly connected to the sewer. In addition to the 170 confirmed defects, twenty six (26) suspect defects were located including roof leaders into the ground and area drains that did not have visible smoke emanating from them during the test. Using the Rational Method to determine direct inflow, the 170 defects are estimated to contribute as much as 4.28 million gallons per day (MGD) of inflow that may be removed during rehabilitation. A table summarizing the location of the defects and linear footage of each phase area is shown below.

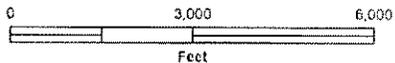
Auburn Sewerage District
 District Wide I/I Analysis
 SMOKE TESTING SUMMARY

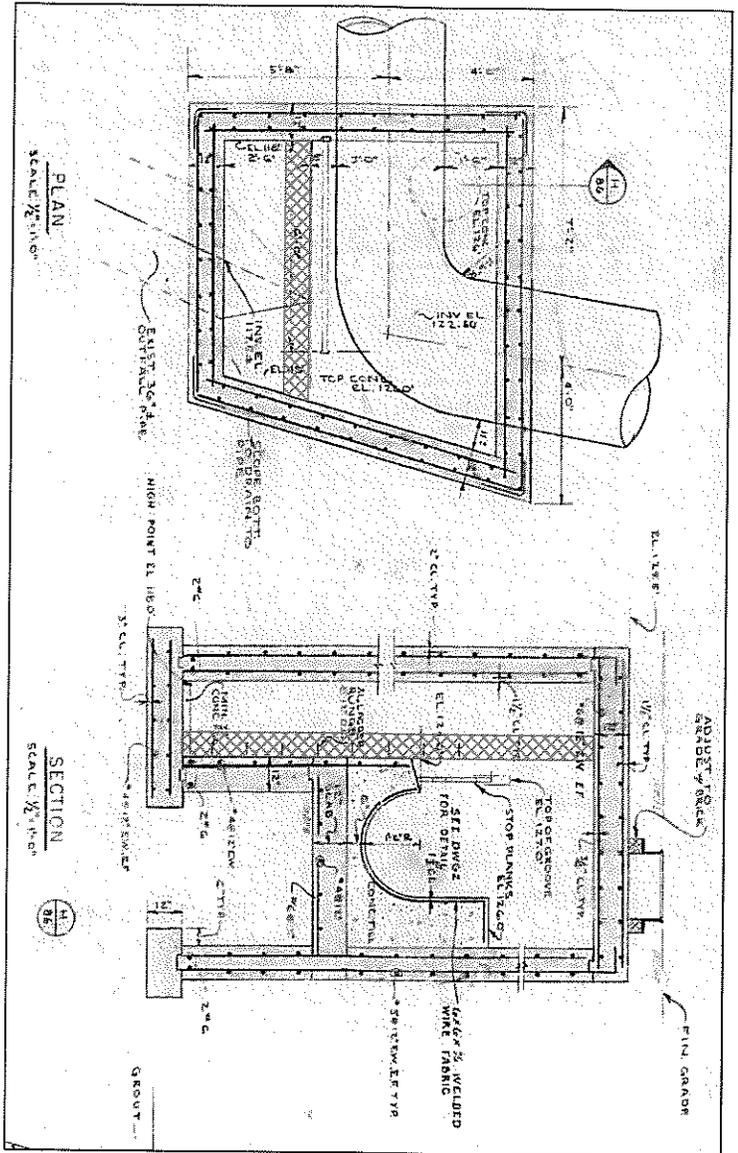
Phase	Location	Defects Identified	Length (ft.)
Phase A			
	Bradman Street Area	10	31,348
	Downtown	33	33,138
	New Auburn	13	16,794
Phase B			
	Downtown	48	47,531
	New Auburn	22	28,986
Phase C			
	Downtown	44	56,690
Total		170	214,487



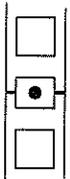
Path: F:\Auburn WSD\GIS\CIC MAPS\LocustMap.mxd User: kenny Saved: 8/13/2012 1:54:35 PM Opened: 8/13/2012 2:14:30 PM

FIGURE 1
AUBURN SEWERAGE DISTRICT
SMOKE TESTING AREA

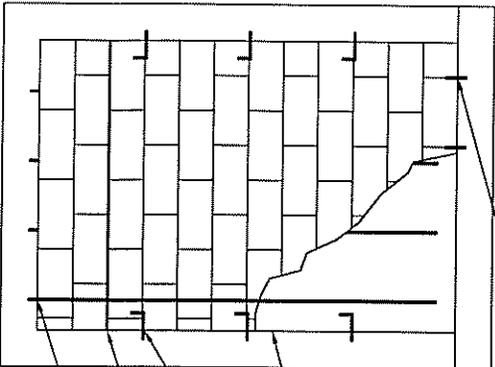




#3 REBAR PINNED @ TOP
BETWEEN EACH BLOCK
SEE DETAIL A



DETAIL A



- 1" SURFACE APPLY W-STOP ALL (4) SIDES GREENSTREAK PLASTIC PRODUCTS
- #3 REBAR PINNED AND BENT DOWN EVERY 3 COURSES (TYP.)
- LADDER MESH REINFORCEMENT EVERY 2 COURSES (TYP.)
- #3 REBAR PINNED @ BOTTOM, ONE PER BLOCK 3FT LENGTHS LAGGED W/ 6" OVERLAP TO TOP ROW OF BLOCKS

FOAM BLOCK CSO



City Council Workshop Information Sheet

City of Auburn

Council Workshop Date: August 6, 2012

Item B

Author: Gary Johnson, Assistant City Engineer

Subject: Easements to Auburn Sewerage District & Rivershore Place Housing LP

Information: Rivershore Place Housing LP, in the development of an approved housing project located on properties at 268, 272, & 282 Main Street, needs to relocate an existing sanitary sewer main that runs from Main St to the interceptor sewer along the Androscoggin River. The Auburn Sewerage District requires an easement from the City of Auburn for the portion of the relocated main that crosses city owned property, as well as, subordinating our easement interest in portions of the properties of the Lewiston-Auburn Railroad and Rivershore Place Housing LP.

The stormwater drainage system for the approved housing project needs to connect to the city's storm drainage system along the Riverwalk Trail. Rivershore Place Housing requires an easement from the City to make and maintain this connection.

Financial: N/A

Action Requested at this Meeting: Discussion.

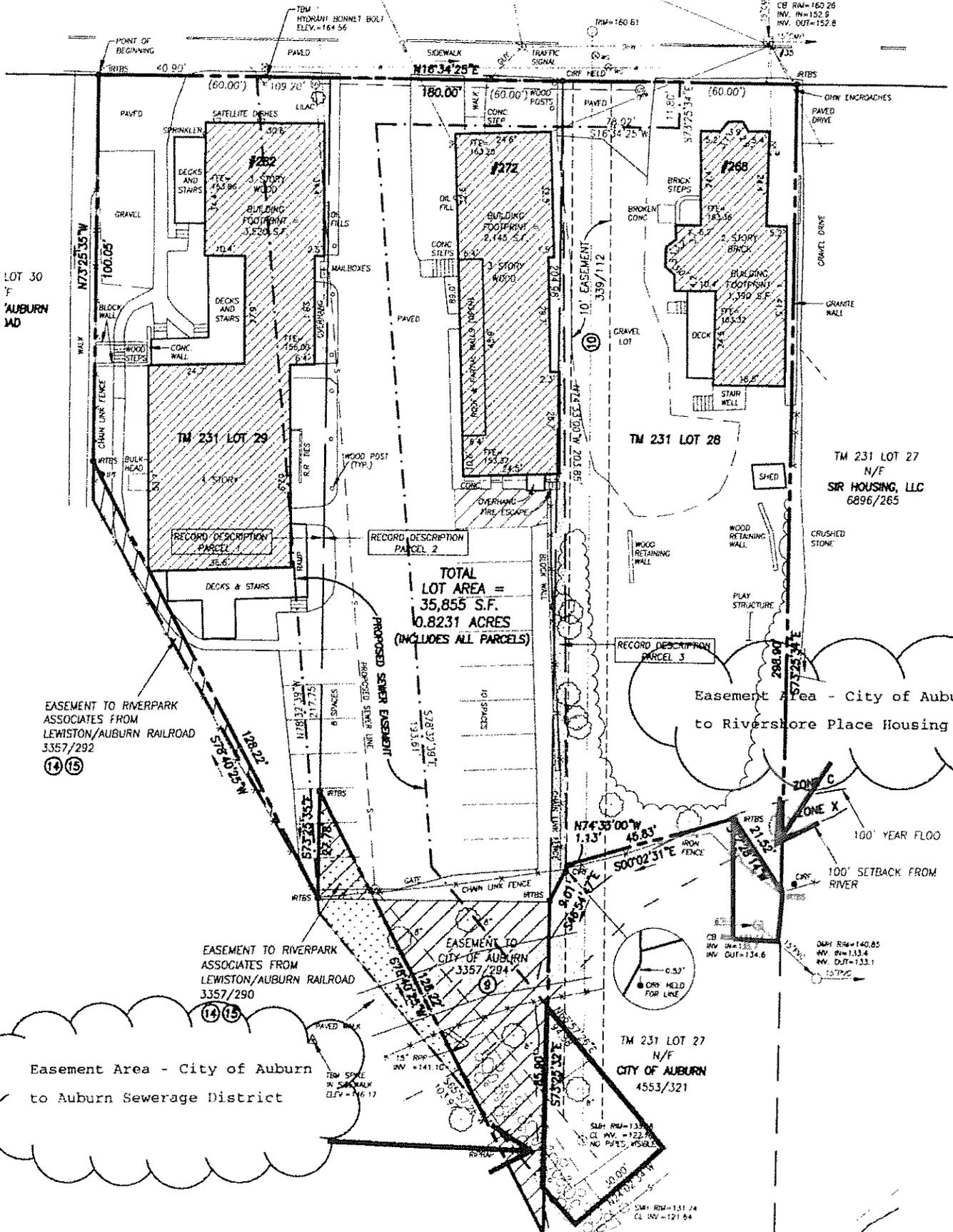
Previous Meetings and History: February 21, 2012 City Council Workshop and Meeting authorizing Mayor to correspond with Maine State Housing Authority concerning Low Income Housing Tax Credits; February 13, 2012 City Council Workshop on CEI Projects; September 13, 2011 Planning Board Meeting approving one year extension of approval of Rivershore Place; August 10, 2010 Planning Board Meeting approving Special Exception Request and density waiver at 268-272 Main Street

Attachments: *(in order of appearance in packet)*

- Sketch showing easement locations.
- Draft Easements:
 - City of Auburn to Auburn Sewerage District
 - Lewiston & Auburn Railroad Company and City of Auburn to Auburn Sewerage District
 - Rivershore Place Housing, LP and City of Auburn to Auburn Sewerage District
 - City of Auburn to Rivershore Place Housing, LP

MAIN STREET
PAVED - PUBLIC

◉ RIM=161.35
UNABLE
TO OPEN



LOT 30
F
AUBURN
14D

TM 231 LOT 27
N/F
SIR HOUSING, LLC
6896/265

TOTAL
LOT AREA =
35,855 S.F.
0.8231 ACRES
(INCLUDES ALL PARCELS)

Easement Area - City of Auburn
to Rivershore Place Housing LP

EASEMENT TO RIVERPARK
ASSOCIATES FROM
LEWISTON/AUBURN RAILROAD
3357/292

EASEMENT TO RIVERPARK
ASSOCIATES FROM
LEWISTON/AUBURN RAILROAD
3357/290

EASEMENT TO
CITY OF AUBURN
3357/294

Easement Area - City of Auburn
to Auburn Sewerage District

TM 231 LOT 27
N/F
CITY OF AUBURN
4553/321

**MAINE SHORT FORM QUITCLAIM DEED
WITHOUT COVENANT**

EASEMENT

KNOW ALL MEN BY THESE PRESENTS that the undersigned, the CITY OF AUBURN, a body corporate and politic located in the County of Androscoggin, State of Maine with a mailing address of Auburn Hall, 60 Court Street, Auburn, Maine, 04210, hereinafter called the "Grantor", in consideration of one dollar and other valuable consideration paid by the AUBURN SEWERAGE DISTRICT, a quasi-municipal corporation, duly chartered under the laws of the State of Maine, and located at 268 Court Street, Auburn, Maine, the receipt whereof is hereby acknowledged, does hereby grant and convey to the Auburn Sewerage District, its successors and assigns to have and to hold forever:

1. EASEMENT FOR SEWER LINE

The perpetual right and easement on the land in Auburn, County of Androscoggin, Maine, being more particularly described as a portion of Tax Map 231, Lot 27, located southeast of Main Street and west of the Androscoggin River in Auburn, Maine, and further described in a deed to the Grantor recorded at the Androscoggin County Registry of Deeds in Book 4553, Page 321, to enter upon, construct, repair, replace and maintain a sanitary sewer pipe with necessary appurtenances within the area more particularly described below as the "Easement Area."

2. EASEMENT AREA

A certain lot or parcel of land situated on the Easterly side of but not adjacent to Main Street in the City of Auburn, County of Androscoggin, and State of Maine bounded and described as follows:

Commencing at the most easterly point of land of Riverpark Associates Limited Partnership at land now or formerly of the City of Auburn;

Thence, N 73°25'32' W along land of said Riverpark Associates Limited Partnership 12.45 feet to the point of beginning:

Thence from the point of beginning, N 73°25'32" W along land of said Riverpark Associates Limited Partnership 46.08 feet;

Thence, N 65°57'26" E across land of the grantor 47.29 feet;

Thence, S 24°02'34" E across land of the grantor 30.00 feet;

Thence, S 65°57'26" W across land of the grantor 12.31 feet to land of said Riverpark Associates Limited Partnership and the point of beginning.

Containing 894 square feet more or less.

3. CONDITIONS AND COVENANTS OF EASEMENT

This easement is granted and is subject to the following conditions and covenants:

3.1: The Grantor covenants and agrees for itself, its successors and assigns that it will not erect any permanent structure above the location of the pipes of the Grantee.

3.2: The Auburn Sewerage District covenants and agrees with the Grantor, its successors and assigns, that it will cause no unnecessary damage in connection with its use of the land above described and that upon each and every entry it will restore the surface to its original condition so far as is possible and will not otherwise interfere with the Grantor's use of said land.

EXECUTED as a sealed instrument as of the _____ day of _____, 2012 by the Grantor and by Auburn Sewerage District.

AUBURN SEWERAGE DISTRICT

By: _____
John B. Storer
Its Superintendent

Witness

CITY OF AUBURN

By: _____
Print Name: _____
Title: _____

Witness

STATE OF MAINE
COUNTY OF ANDROSCOGGIN

_____, 2012

Then personally appeared the above named John B. Storer and acknowledged the foregoing instrument to be his free act and deed in said capacity and the free act and deed of the Auburn Sewerage District.

Before me,

Notary Public / Attorney at Law
Print Name: _____
My Commission Expires: _____

STATE OF MAINE
COUNTY OF ANDROSCOGGIN

_____, 2012

Personally appeared the above _____ and acknowledged the foregoing to be his free act and deed in said capacity and the free act and deed of the City of Auburn.

Before me,

Notary Public / Attorney at Law
Print Name: _____
My Commission Expires: _____

**MAINE SHORT FORM QUITCLAIM DEED
WITHOUT COVENANT**

EASEMENT

KNOW ALL MEN BY THESE PRESENTS that the undersigned, LEWISTON & AUBURN RAILROAD COMPANY, a railroad corporation duly organized and existing under the laws of the State of Maine with a mailing address of 415 Lisbon Street, Suite 400, Lewiston, Maine, 04240, (hereinafter called the "Railroad") and the CITY OF AUBURN, a body corporate and politic located in the County of Androscoggin, State of Maine, with a mailing address of Auburn Hall, 60 Court Street, Auburn, Maine, 04210 (hereinafter called the "City"), hereinafter the Railroad and the City being collectively called the "Grantor", in consideration of one dollar and other valuable consideration paid by the AUBURN SEWERAGE DISTRICT, a quasi-municipal corporation, duly chartered under the laws of the State of Maine, and located at 268 Court Street, Auburn, Maine, the receipt whereof is hereby acknowledged, do hereby grant and convey to the Auburn Sewerage District, its successors and assigns to have and to hold forever:

1. EASEMENT FOR SEWER LINE

The perpetual right and easement on the land in Auburn, County of Androscoggin, Maine, being more particularly described as a portion of Tax Map 231, Lot 30, located on Main Street in Auburn, Maine, and further described in the deeds to the Railroad recorded at the Androscoggin County Registry of Deeds in Book 68, Page 331 and Page 333, to enter upon, construct, repair, replace and maintain a sanitary sewer pipe with necessary appurtenances within the area more particularly described below as the "Easement Area."

2. EASEMENT AREA

A certain lot or parcel of land situated on the Easterly side of but not adjacent to Main Street in the City of Auburn, County of Androscoggin, and State of Maine bounded and described as follows:

Commencing at a point on the easterly sideline of Main Street at the northwesterly corner of land of the Lewiston/Auburn Railroad;

Thence, S 73°25'35" E along the northerly line of said Lewiston/Auburn Railroad 100.05 feet;

Thence, N 78°40'25" E along the northerly line of said Lewiston/Auburn Railroad 128.22;

Thence, N 73°25'35" W along the northerly line of said Lewiston/Auburn Railroad 0.16 feet to the point of beginning:

Thence, from the point of beginning N 73°25'35" W along land of said Lewiston/Auburn Railroad 27.62 feet;

Thence, N 78°40'25" E along land of said Lewiston/Auburn Railroad 91.41 feet;

Thence, S 65°57'26" W across land of the grantor 65.20 feet;

Thence, N 78°32'39" W across land of the grantor 3.69 feet to the point of beginning.

Containing 660 square feet more or less.

3. CONDITIONS AND COVENANTS OF EASEMENT

This easement is granted and is subject to the following conditions and covenants:

3.1: The Grantor covenants and agrees for itself, its successors and assigns that it will not erect any permanent structure above the location of the pipes of the Grantee.

3.2: The Auburn Sewerage District covenants and agrees with the Grantor, its successors and assigns, that it will cause no unnecessary damage in connection with its use of the land above described and that upon each and every entry it will restore the surface to its original condition so far as is possible and will not otherwise interfere with the Grantor's use of said land.

4. LIMITED JOINDER OF CITY

The City joins in this deed for the limited purpose of subordinating its easement recorded in said registry in Book 2869, Page 156 (the "Riverwalk Easement") to the rights granted to the Auburn Sewerage District herein to the extent the Riverwalk Easement burdens the Easement Area described herein.

EXECUTED as a sealed instrument as of the ____ day of _____, 2012 by the Grantor and by Auburn Sewerage District.

AUBURN SEWERAGE DISTRICT

Witness

By: _____
John B. Storer
Its Superintendent

LEWISTON & AUBURN RAILROAD COMPANY

Witness

By: _____
Print Name: _____
Title: _____

CITY OF AUBURN

Witness

By: _____
Print Name: _____
Title: _____

STATE OF MAINE
COUNTY OF ANDROSCOGGIN

_____, 2012

Then personally appeared the above named John B. Storer and acknowledged the foregoing instrument to be his free act and deed in said capacity and the free act and deed of the Auburn Sewerage District.

Before me,

Notary Public / Attorney at Law
Print Name: _____
My Commission Expires: _____

STATE OF MAINE
COUNTY OF ANDROSCOGGIN

_____, 2012

Personally appeared the above _____ and acknowledged the foregoing to be his free act and deed in said capacity and the free act and deed of Lewiston & Auburn Railroad Company.

Before me,

Notary Public / Attorney at Law

Print Name: _____

My Commission Expires: _____

STATE OF MAINE
COUNTY OF ANDROSCOGGIN

_____, 2012

Then personally appeared the above named _____ and acknowledged the foregoing instrument to be his/her free act and deed in said capacity and the free act and deed of the City of Auburn.

Before me,

Notary Public / Attorney at Law

Print Name: _____

My Commission Expires: _____

**MAINE SHORT FORM QUITCLAIM DEED
WITHOUT COVENANT**

EASEMENT

KNOW ALL MEN BY THESE PRESENTS that the undersigned, RIVERSHORE PLACE HOUSING LP, a limited partnership duly organized and existing under the laws of the State of Maine with a mailing address of P.O. Box 268, Wiscasset, Maine, 04578, (hereinafter called "Rivershore") and the CITY OF AUBURN, a body corporate and politic located in the County of Androscoggin, State of Maine, with a mailing address of Auburn Hall, 60 Court Street, Auburn, Maine, 04210, (hereinafter called the "City") hereinafter Rivershore and the City being collectively called the "Grantor", in consideration of one dollar and other valuable consideration paid by the AUBURN SEWERAGE DISTRICT, a quasi-municipal corporation, duly chartered under the laws of the State of Maine, and located at 268 Court Street, Auburn, Maine, the receipt whereof is hereby acknowledged, do hereby grant and convey to the Auburn Sewerage District, its successors and assigns to have and to hold forever:

1. EASEMENT FOR SEWER LINE

The perpetual right and easement on the land in Auburn, County of Androscoggin, Maine, being more particularly described as a portion of Tax Map 231, Lot 28 and Lot 29, located at 268, 272 and 282 Main Street in Auburn, Maine, and further described in a deed to Rivershore recorded at the Androscoggin County Registry of Deeds in Book _____, Page _____, to enter upon, construct, repair, replace and maintain a sanitary sewer pipe with necessary appurtenances within the area more particularly described below as the "Easement Area."

2. EASEMENT AREA

A certain lot or parcel of land situated on the Easterly side of Main Street in the City of Auburn, County of Androscoggin, and State of Maine bounded and described as follows:

Beginning on the Easterly sideline of said Main Street at a point 40.90 feet from the Northwesterly corner of land now or formerly of the Lewiston/Auburn Railroad;

Thence, N 16°34'25" E along said Main Street 109.20 feet;

Thence, S 73°25'34" E across land of the grantor 11.80 feet;

Thence, S 16°34'25" W across land of the grantor 78.02 feet;

Thence, S 78°32'39" E across land of the grantor 193.61 feet;

Thence, N 65°57'26" E across land of the grantor 47.08 feet to land now or formerly of the City of Auburn;

Thence, S 73°25'32" E along land of said City of Auburn 46.08 feet;

Thence, S 65°57'26" W across land of the grantor 26.46 feet to land now or formerly of the Lewiston/Auburn Railroad;

Thence, S 78°40'25" W along land of said Lewiston/Auburn Railroad 91.41 feet;

Thence, S 73°25'35" E along land of said Lewiston/Auburn Railroad 27.62 feet to a point;

Thence, N 78°32'39" W across land of the grantor 214.06 feet to the point of beginning.

Containing 8,695 square feet more or less.

3. CONDITIONS AND COVENANTS OF EASEMENT

This easement is granted and is subject to the following conditions and covenants:

3.1: The Grantor covenants and agrees for itself, its successors and assigns that it will not erect any permanent structure above the location of the pipes of the Grantee.

3.2: The Auburn Sewerage District covenants and agrees with the Grantor, its successors and assigns, that it will cause no unnecessary damage in connection with its use of the land above described and that upon each and every entry it will restore the surface to its original condition so far as is possible and will not otherwise interfere with the Grantor's use of said land.

4. LIMITED JOINDER OF CITY

The City joins in this deed for the limited purpose of subordinating its easement recorded in said registry in Book 3357, Page 288 and re-recorded in Book 3357, Page 294 (the "Riverwalk Easement") to the rights granted to the Auburn Sewerage District herein to the extent the Riverwalk Easement burdens the Easement Area described herein.

EXECUTED as a sealed instrument as of the _____ day of _____, 2012 by the Grantor and by Auburn Sewerage District.

AUBURN SEWERAGE DISTRICT

By: _____
John B. Storer
Its Superintendent

Witness

RIVERSHORE PLACE HOUSING LP
BY ITS GENERAL PARTNER:
RIVERSHORE, INC.

By: _____
Print Name: _____
Title: _____

Witness

CITY OF AUBURN

By: _____
Print Name: _____
Title: _____

Witness

STATE OF MAINE
COUNTY OF ANDROSCOGGIN

_____, 2012

Then personally appeared the above named John B. Storer and acknowledged the foregoing instrument to be his free act and deed in said capacity and the free act and deed of the Auburn Sewerage District.

Before me,

Notary Public / Attorney at Law

Print Name: _____

My Commission Expires: _____

STATE OF MAINE
COUNTY OF ANDROSCOGGIN

_____, 2012

Personally appeared the above _____ and acknowledged the foregoing to be his free act and deed in said capacity and the free act and deed of Rivershore, Inc. and Rivershore Place Housing LP.

Before me,

Notary Public / Attorney at Law

Print Name: _____

My Commission Expires: _____

STATE OF MAINE
COUNTY OF ANDROSCOGGIN

_____, 2012

Then personally appeared the above named _____ and acknowledged the foregoing instrument to be his/her free act and deed in said capacity and the free act and deed of the City of Auburn.

Before me,

Notary Public / Attorney at Law

Print Name: _____

My Commission Expires: _____

**MAINE SHORT FORM QUITCLAIM DEED
WITHOUT COVENANT**

RELEASE OF EASEMENT

AUBURN SEWERAGE DISTRICT, a quasi-municipal corporation, duly chartered under the laws of the State of Maine, with an office at 268 Main Street, Auburn, Maine, releases to RIVERSHORE PLACE HOUSING LP, a limited partnership duly organized and existing under the laws of the State of Maine, with a mailing address of P.O. Box 268, Wiscasset, Maine, 04578, that certain easement in AUBURN, County of ANDROSCOGGIN, and State of MAINE, described as follows:

The easement for a sewer pipe and appurtenances granted by Edgar L. Pennell to the Auburn Sewerage District in the deed dated July 9, 1921 and recorded in the Androscoggin County Registry of Deeds in Book 339, Page 112.

This deed is given in exchange for replacement easements by this Grantee and others of near or even date herewith to be recorded herewith (collectively, the "Replacement Easements"). Nothing herein shall be deemed or construed to release any part of the Replacement Easements.

IN WITNESS WHEREOF, this instrument has been executed and delivered as a sealed instrument as of the ____ day of _____, 2012, by the grantor's duly authorized agent.

AUBURN SEWERAGE DISTRICT

By: _____
John B. Storer
Its Superintendent

Witness

STATE OF MAINE
ANDROSCOGGIN COUNTY

_____, 2012

Personally appeared the above-named John B. Storer and acknowledged the foregoing instrument to be his free act and deed in said capacity and the free act and deed of Auburn Sewerage District.

Before me,

Notary Public / Attorney at Law

Print Name: _____

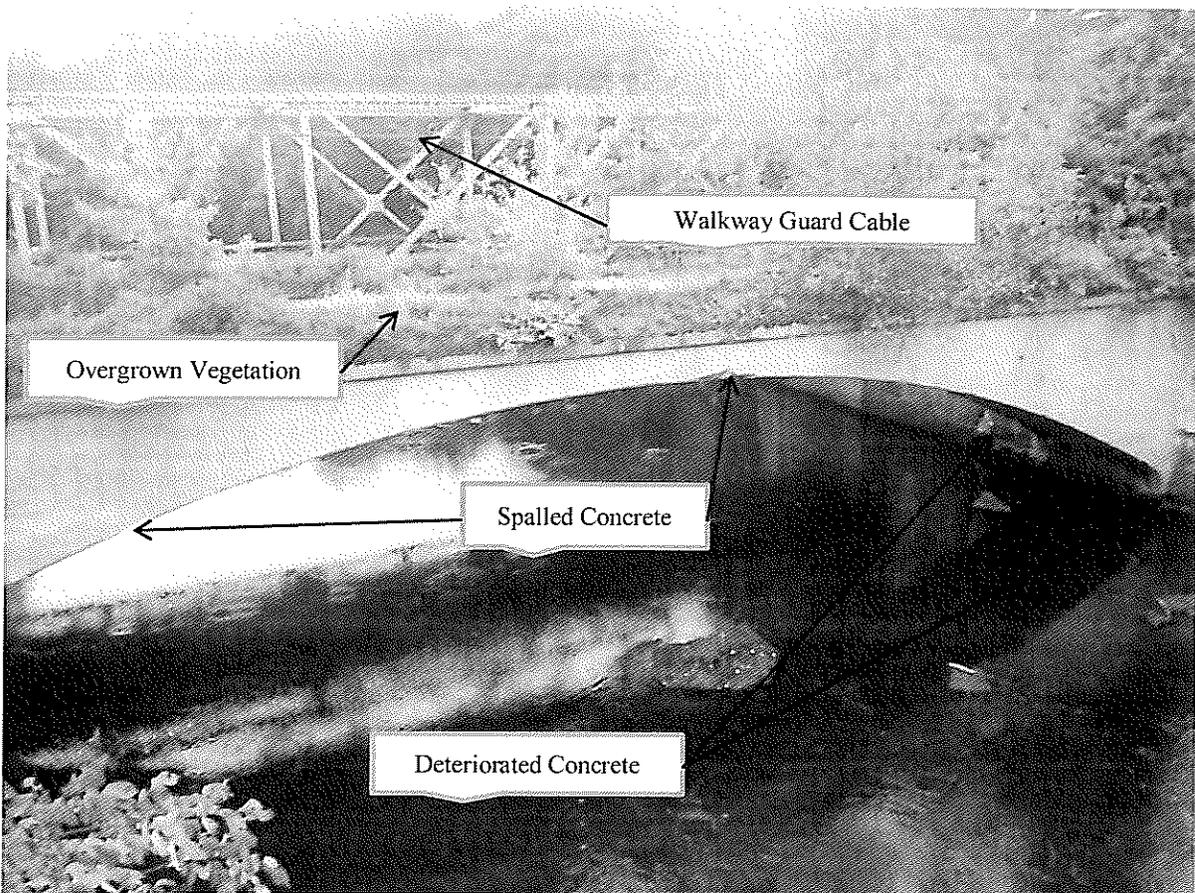
My Commission Expires: _____

df/F:\Darlene\CLIENTS\Riverpark Associates Limited Partnership\Sewer Easements\Deed Release of Easement.docx

Memo: Preliminary Assessment of Littlefield Corner Interurban Bridge
August 17, 2012
Page 2

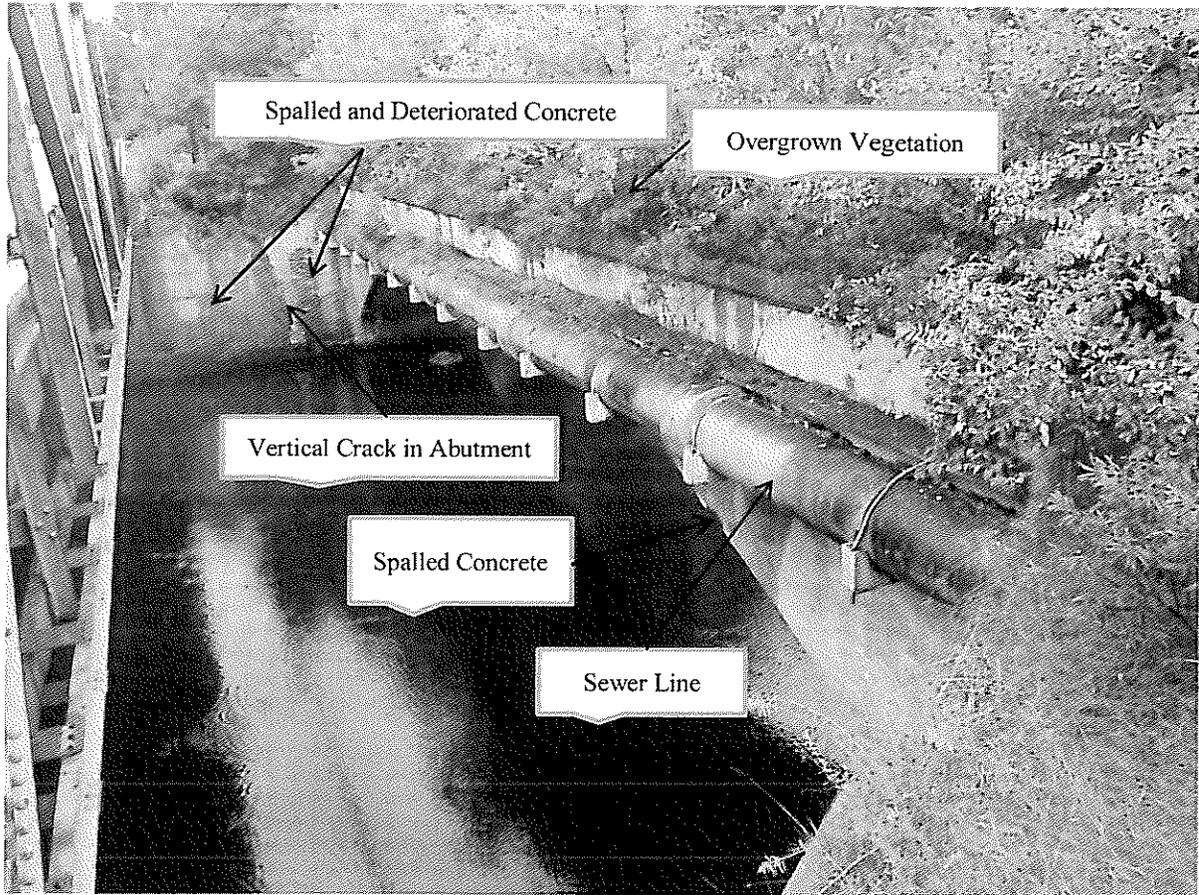
MDOT is currently designing a new bridge to replace the adjacent bridge. The District was recently made aware that they own the concrete arch bridge by MDOT. The district would like to assess the current condition of the concrete bridge and determine if it is feasible to rehabilitate.

As a first step, I observed the concrete bridge on August 16, 2012 with Sid Hazelton. Observations were limited due to the vegetation growth on top and the water flow beneath. The downstream face was observed from the railroad through-truss bridge.



Downstream Face Observations

The upstream face was observed from the stated owned steel bridge.



Upstream Face Observations

The surface of the bridge has been covered with soil and has overgrown with vegetation, brushes and small trees. This has turned into pedestrian walkway since the adjacent bridge does not have a pedestrian walkway.



North View



South View

The existing concrete bridge is approximately 98 years old and was designed original to support interurban trolleys. The bridge currently supports three (3) pipes and pedestrian traffic. An insulated 18 inch sewer line is attached to the upstream face of the bridge. A 12 inch water line and 8 inch gas line are run on top of the bridge buried within 2 to 4 feet of soil covering the pipes. The current fall protection along the walkway path consists of steel posts and steel cables which is not adequate and not in compliance with OSHA. Allowing access to this path is a potential liability hazard for the District.

Proceeding forward, the District has 3 potential options.

Option 1 – Relocate utilities on new Bridge

It is our understanding that the new upstream bridge is to be located in the same spot but raised approximately three (3) feet. The downstream concrete arch bridge causes some hydraulic restrictions in the river which has some effect on why the new bridge is raised. Further discussion with MDOT, regarding lowering the bridge and allowing the existing gravity sewer, gas and water lines to be relocated onto the new bridge should be pursued. This may be possible if MDOT knows that the concrete arch bridge could be removed. This would also make construction easier for MDOT as they would not have to be concerned about protecting the concrete arch bridge.

Memo: Preliminary Assessment of Littlefield Corner Interurban Bridge
August 17, 2012
Page 5

Option 2 – Determine Structural Condition of Concrete Arch Bridge

At a minimum, a structural assessment of the concrete bridge will include having concrete cores taken from the top of the arch as well as the abutment. Visual observations will be made of the exposed top surface, underside surfaces and abutments. All surfaces will be sounded (hit with hammers) to determine any softness or hollow spots. This will require that the District remove the vegetation and excavate to the top of concrete in several locations in order to have cores taken and to observe the condition of the concrete. The District will need to provide boats/staging in the river to provide access to the underside of the arch and abutments for observations and soundings.

Further investigations could include destructive testing of the concrete arch and abutments which would involve chipping and removing the concrete to expose the reinforcing steel to determine size, spacing and condition. This will be required if record drawings of the bridge cannot be found and to make a definitive statement regarding structural capacity of the bridge.

Option 3 – New Pedestrian/Utility Pre-Engineering Bridge

Remove the existing concrete arch bridge and temporarily support utilities and install a new pre-engineered steel or timber bridge and utilities. This could be designed to support pedestrian traffic as well as the utilities.

Option 1 appears to have the lowest cost and impact to the District. Option 2 will potential provide information regarding the structural condition and capacity of the arch bridge. If the structure is found to be capable of supporting the loads, the 98 year old structure will need constant maintenance and repair. Option 3 provides a new structure to support the utilities however; there is a significant cost as well as future maintenance.

As you move forward, we can develop specific engineering costs to assist you. For budgetary purposes, Option 2 engineering costs would range from \$7,000 to \$20,000 depending upon the level of effort.

Memo: Preliminary Assessment of Littlefield Corner Interurban Bridge
August 17, 2012
Page 6