



CITY ENGINEER'S REPORT



BOWEN
 RICHARD L. BOWEN + ASSOCIATES INC.
 13000 Shaker Boulevard · Cleveland, OH 44120
 T: 216.491.9300 · F: 216.491.8053 · www.rlba.com

To: Mayor Weger & Council
cc: Directors of Law, Finance, Building, & Service
From: Pietro A. DiFranco & Daniel J. Collins
Date: 9/4/2014

Name	RLBA Job #	Stage					Construction Cost		Engineering Fee	Notes
		Planning	Design	Construct'n	Other	Complete	(A)ctual	(B)id (E)stimate		
Retainer Services	7986.00				X				\$0	02/01/13 2013-15 Agreement: 20 hours/month
A. Ujcich-2926 Bishop Rd	7986.00					X	\$7,000 \$6,850	E A	\$0 \$0	05/14/13 Met w/Ujcich brothers, Law Direc'r, & Bldg Commiss. 05/15/13 Observed flow in MHs w/Mayor, Law Dir., & Nate 12/13/13 New backflow preventer & manhole installed at Ujcich
B. Stafford Place - Chardon	7986.00				X		N/A		\$0	02/04/13 Stafford experiencing wet weather surcharging 11/11/13 Mtg at City Hall w/HOA & Attorney (Builder No-Show) 04/07/14 Meeting w/HOA & Ryan Homes 04/26/14 Performed site visit to observe conditions 04/28/14 Meeting w/HOA & Ryan Homes; action discussed 05/01/14 Meeting w/Flow Meter supplier; researching options 05/13/14 Nate getting quotes for installation of backflow valve 05/29/14 Meter, Alarm, & Back Water Valve Installed Building Laterals being video inspected 07/07/14 Progress mtg w/Stratford Place HOA 08/11/14 Progress mtg w/Stratford Place HOA & Ryan Homes 08/27/14 Stratford Place HOA Annual Meeting
C. Pecirep-Marvaldi-Lavrisha 36361-36401-36451 Eddy Rd	7986.00	X					\$17,000	E	\$0	11/08/13 Approval received from Lake County Storm Water 11/21/13 On-site meeting w/property owner 01/08/14 Rec'd PO#939497 from County to Reimburse 02/27/14 Easements sent to residents for signature 03/20/14 Ongoing discussions w/property owners 04/28/14 Meeting w/Residents; authorization pending 05/15/14 No decision by residents yet 08/15/14 Ex. pipe videotape inspected by Nate



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D. Community Ctr ADA Door (CDBG)	7986.00		X				\$10,000 E	\$0	05/09/13 Assited Gloria w/Scope, Cost Estimate, & Photos 05/28/13 CDBG application submitted by Gloria 02/06/14 Mtg w/Gloria to review scope to obtain quotes 02/18/14 Requested cost quotes from 9 contractors 03/20/14 Contractor quotes due 3/21/14 05/15/14 Gloria & Dan met with contractor Re: CDBG process
E. Cross-Access Easement Zoning Code Modification	7986.00				X		N/A	\$0	02/06/14 Inital discussion during PC/ARB Public Portion 02/14/14 Provided initial comments in memo to PC/ARB 02/21/14 Provided additional comments in email to PC/ARB 03/06/14 Discussed at PC/ARB Work Session 03/21/14 PC/ARB Public Hearing (No Discussion) 04/03/14 On PC/ARB Agenda during Public Portion
F. City District Map (w/Street Level Detail)	7986.00				X		N/A	\$0	03/28/14 Street-level Precinct Map requested 04/15/14 Map provided to council office
G. Bishop-White Intersection	7986.00				X		N/A	\$0	03/14/14 Call rec'd by Mayor Re: traffic congestion 03/20/14 RFP for study sent to qualified traffic engineers 03/31/14 Proposals rec'd from traffic engineers 04/10/14 LJB selected to perform traffic study 05/22/14 LJB performing traffic counts 06/24/14 LJB Study Rec'd; Signal Ok, but no remove stop sign 08/26/14 Mtg w/Cuy Cnty Re: Richmond Rd Bridge MOT
H. Connections 2035 - NOACA Long-Range Transportation Plan (LRTP)	7986.00				X		N/A	\$0	03/31/14 Rec'd letter from Commissioner Troy requesting list of minor projects (under \$5 million) by 4/21/14 to NOACA LRTP 04/11/14 Response letter sent to NOACA
I. OPWC Round 29, PY15	7986.00				X		N/A	\$0	03/31/14 Rec'd request from Lake County Engineer for project pre-applications by 6/13/14



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J. 2880 Fowler Dr. (S/L 19) Former WWTP Removal	7986.00				X		N/A	\$0	08/06/14 Dan attended mtg w/Owner & Attorney, Builder, lafelice, & City Re: Demo of underground tanks
Clover Congregate Care 34900 Chardon Rd	7986.01E				X		N/A	Applicant Fee	02/07/13 Provided sanitary sewer tap-in fee opinion 02/28/13 Pre-design meeting w/owner & Bldg Commiss. 03/19/13 Site plans submitted for review 04/04/13 PC/ABR Preliminary Review postponed 05/06/13 Rec'd revised drawings for 2nd PCABR submittal 09/05/13 On PC/ABR Agenda for Final Approval 12/30/13 Property ownership transfer occurred 04/02/14 Final plans rec'd by Building Dept. 04/29/14 Final Approval of Site Work Plans 06/04/14 Start of construction
Maple Valley Subdivision									
A. Plan Review	7986.01B			X			N/A	Applicant Fee	02/01/13 Began plan review 02/10/13 Plan review letter #1 02/18/13 Plan review letter #2 03/05/13 Instructed by developer to stop plan review 03/07/13 Meeting w/developer 03/21/13 Ongoing coord. w/developer Re: drainage 04/30/13 Rec'd revised drainage concept for review 05/09/13 Met w/Engineer Gutoskey Re: drainage concept 05/29/13 Revised drainage report received via email 06/10/13 Plan review letter #5 sent to developer & his engineer 08/15/13 Final PC Approval issued; awaiting permit submittal 11/07/13 Working w/Osborne to finalize bonds



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B. Construction Observation	7986.12A			X			N/A	Applicant Fee	01/06/14 Construction Start 03/18/14 Precon meeting for water main at Lake County 03/24/14 Water main construction started 06/05/14 Roadway base in progress 06/23/14 Concrete roadway pour planned 08/13/14 Landscaping started 08/20/14 Progress Mtg w/Osborne (Trees, E&SC, Conc., etc...)
Maplegrove Pav't Impr'ts	7986.04					X	\$170,000 E \$147,729 B \$130,332 A	\$25,000 E \$14,275 A	03/06/13 Obtained quotes for pavement cores 03/26/13 Terracon authorized to perform pavement cores 04/13/13 Pavement cores performed 05/02/13 Bid Ad: 5/9 & 5/16; Bid Open: 5/23 06/03/13 Carron Asphalt selected as best & lowest bid 06/20/13 Preconstruction Meeting 07/15/13 Construction start 08/09/13 Substantially complete; road re-opened to public 09/05/13 Contractor addressing punch list items (restoration) 12/02/13 Punch list resolution pending weather 05/01/14 Meeting w/Carron Re: Punch List Items 07/17/14 Punch list items addressed by Carron
Knecht/O'Brien Culvert 29341 & 29329 Eddy Rd	7986.08	X					\$200,000 E	TBD	02/15/13 Met w/Tim Miller, Lake County 03/09/13 Funding request sent to County; under review 05/01/13 Met w/Tim Miller to discuss status & plan 07/12/13 On-hold pending Lake County authorization 09/09/13 Received Lake County approval to proceed w/design 10/01/13 Survey field work began 01/16/14 Preliminary design complete for Lake County review 03/30/14 Revised plans sent to Lake County for approval 06/13/14 Email from Tim Miller providing direction to redesign 07/23/14 Plans resubmitted to County for approval 07/24/14 Dan met w/Knecht Re: revised plan 08/21/14 Upon approval by County, authorization req'd from property owner's & ODOT



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Lamplight Lane Culvert (formerly Euclid Creek East Branch Drainage Improvements)	7986.09	X					\$450,000	E	\$0		02/01/13 Invoiced by CT so far: \$21,531 (for old design) 02/15/13 Met w/Tim Miller, Lake County 02/15/13 County pledged \$361,000 (for new design) 02/20/13 Reviewing 2000 CT Study & Recommendations 05/01/13 Met w/Tim Miller to discuss status & plan 09/09/13 Discussed at Council Service Committee Meeting 12/12/13 Mtg w/Tim Miller to discuss Lamplight & 2014 projects 01/03/14 Proposal sent to Tim Miller for approval 01/28/14 Service Committee Mtg for legislation to proceed 02/13/14 Appropriation Ord. 2014-18 for design passed 03/07/14 Survey authorized (pending weather) 04/14/14 Informational meeting for residents (City Hall-6:30 pm) 06/05/14 Coord. w/CEI Re: potential culvert/easement imprv'ts
Dunkin Donuts 2801 Chardon Rd (Plan Review)	7986.01V	X					N/A		Applicant		04/25/13 Received conceptual site alternates for discussion 06/06/13 PC-ABR Work Session 11/19/13 Issued comments on Traffic Impact Study dated 9/3/13 12/17/13 Issued comments on plans rec'd 12/12/13 02/??/14 Received PC-ABR application fee from owner 02/20/14 PC-ABR Meeting (Preliminary Review) 03/05/14 Met w/Architect Re: Site Issues & Options 06/04/14 Met w/Owner & Arch Re: acceptable site plan 06/20/14 Provided review comments on revised site plan 07/17/14 Preliminary Site Plan Approval granted by PC 08/07/14 Conditional Use Permit granted by PC 09/03/14 Provided Review #1 on Final Development Plan



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		Planning	Design	Construct'n	Other	Complete			
Plan Reviews									
29345 White - Lot Split	7986.11A					X	N/A	Applicant	
2820 Bishop - Lot Split	7986.11B					X	N/A	Applicant	
29326 Eddy - Lot Split	7986.11C					X	N/A	Applicant	
2730 SOM - AT&T Cabinet	7986.11D					X	N/A	Applicant	04/16/14 Plans Approved
Maple Grove Gas Main	7986.11E					X	N/A	Applicant	04/16/14 Plans Approved
2821 Bishop - Site Plan	7986.11F					X	N/A	Applicant	05/02/14 Plans approved
29237 Willow Lane - House	7986.11G					X	N/A	Applicant	
29345 White - House	7986.11H					X	N/A	Applicant	
2921 Rockefeller - House	7986.11I					X	N/A	Applicant	
2469 Maple Hill - House	7986.11J					X	N/A	Applicant	
34258 Parkview - House	7986.11K					X	N/A	Applicant	
2880 Fowler - House	7986.11L					X	N/A	Applicant	
2507 Maple Hill - House	7986.11M					X	N/A	Applicant	
Dodd Rd Subdivision	7986.11N					X	N/A	Applicant	
2535 Red Fox - Lot Split	7986.11O					X	N/A	Applicant	
2340 Pine Valley - House	7986.11P					X	N/A	Applicant	
35255 Dixon - House	7986.11Q					X	N/A	Applicant	
2300 Rivers Edge - House	7986.11R					X	N/A	Applicant	
36141 Chardon - House	7986.11S					X	N/A	Applicant	
2528 Maple Hill - House	7986.11T					X	N/A	Applicant	09/05/14 Plans Received
Construction Supervision									
Maple Valley Subdivision	7986.12A					X		Applicant	
Maple Grove Gas Main	7986.12B					X	N/A	Applicant	05/05/14 Substantially Complete
Clover Congregate Care	7986.12C					X	N/A	Applicant	See Above
34950 Chardon - Apron	7986.12D					X	N/A	Applicant	
I-90 Water Main Borings	7986.12E					X	N/A	Applicant	
Eagle Rd-Kennely Rd Drainage Study	7986.13	X						\$2,160 E	09/04/14 In-progress

Strom Water Projects Receiving Financing from Lake County Storm Water Management Department
City of Willoughby Hills
Year 2014

City No.	Project Name	City Authorization			Lake County Purchase Order			Actual Cost / Reimbursement		Notes
		Ord. No.	Date	Type	No.	Date	Amount	Date	Amount	
2013033	Trailard Lane Storm Sewer Extension	2013-40	09/12/13	Appropriation	937596	08/28/13	\$4,000.00			08/12/13 Scope - Extend storm sewer outlet pipe by 20 LF
		2014-11	03/13/14	Appropriation						03/18/14 Army Corp Permit Application Rec'd from CRWP (under review)
2013034	Rockefeller/White Storm Water Crossover	2013-40	09/12/13	Appropriation	937597	08/28/13	\$8,000.00			08/12/13 Scope - Replace crossover with 32 LF of larger 24" diameter pipe
		2014-12	03/13/14	Appropriation						05/21/14 Need new estimate & request additional funds from LCSWD
2013036	Knecht/O'Brien Stream Restoration - Design	2013-40	09/12/13	Appropriation	937743	09/11/13	\$21,750.00			06/12/13 Scope - Remove 225 of failed 24" culvert & stream restoration
		2014-13	03/13/14	Appropriation						
2013038	Erich Drive Drainage	2013-49	11/14/13	Appropriation	938462	10/30/13	\$20,000.00	02/10/14	\$10,332.72	09/23/13 Scope - Remove obstructions from stream & install 120' of 24" pipe
		2014-14		Tabled						
2013039	SOM Center Rd (Rt. 91) Storm Sewer	2013-49	11/14/13	Appropriation	938463	10/30/13	\$15,000.00	05/06/14	\$5,805.23	08/21/13 Scope - Repair pipe joint failure & restore surface pavement
		2014-15	02/13/14	Appropriation						05/06/14 Final reimbursement request sent to LCSWD by Finance
2014001	Eddy Rd Storm Sewer Overflow Swale	2014-16	03/13/14	Appropriation	939497	01/08/14	\$17,000.00			11/08/13 Scope - Construct 350' of overflow channel for questionable 24" pipe
2014002	Pleasant Valley Rd Storm Sewer	2014-17	03/13/14	Appropriation	939592	01/13/14	\$16,500.00	08/27/14	\$29,294.13	12/24/13 Scope - Install 180' of 12" pipe & additional ditch due to eroding slope
										05/21/14 Construction by Service Dept. ongoing
2014003	Lamplight Lane Culvert - Design	2014-09	02/13/14	Contract	939593	01/13/14	\$30,800.00			01/03/14 Scope - Increase capacity of culvert & raise road elevation
		2014-18	02/13/14	Appropriation						
2014005	Worrell Road Sinkhole Repair	2014-29	05/08/14	Appropriation			\$7,100.00	08/13/14	\$1,280.41	03/25/14 Scope - Temporarily backfill & patch road
TBD	Eagle Rd / Kennelly Rd Drainage Study	2014-34	05/22/14	Appropriation			\$6,600.00			03/25/14 Funding request email sent to Tim Miller from Nate
										05/21/14 Complete
TBD	Rosewood Trail Storm Sewer Maintenance	2014-33		Pending			\$20,350.00			04/15/14 Scope - Survey & analysis for drainage improvements
										04/15/14 Funding request email sent to Tim Miller from Nate
TBD	Dodd Rd at Eagles Nest Drainage			TBD			\$37,429.00			04/11/14 Scope - Clean & repair storm pipes along rear property lines
										05/06/14 Funding approved by LCSWD
2014012	Chagrin Drive Drainage Project	2014-43	07/10/14	Appropriation			\$9,000.00	08/14/14	\$5,128.41	05/21/14 Work scheduled to begin 5/27 based on equipment availability
										06/02/14 Scope - Install 660' of 24" perforated pipe & restoration
2014017	38160 Rogers Rd Headwall Collapse	2014-56	07/10/14	Appropriation			\$5,900.00	08/13/14	\$3,538.59	06/02/14 Funding request email sent to Tim Miller from Nate
										05/23/14 Scope - Install catch basin and piping to capture and convey run-off
TBD	River Rd North Storm Sewer Replacement	2014-57		Pending			\$142,600.00			05/23/14 Funding request email sent to Tim Miller from Nate
TBD	Rockefeller Rd North Drainage	2014-60		Pending			\$22,200.00			07/24/14 Scope - Replace 2,112 lineal feet of 24" storm pipe
TOTAL							\$384,229.00	\$45,432.08		

Potential Future Proects	Estimate
1 Pleasant Valley West Drainage	\$72,600
2 Dodd Rd at cage area drainage	\$113,400
3 River Rd North - Repalce strom sewer	\$136,646
4 Stark Dr. - Replace & add storm sewer	\$108,000
5 River Rd South - Install storm sewer and curb & gutter	\$181,226
6 Worrell Rd - Storm sewer and curb & gutter (1/2 by Kirtland)	\$362,452
7 Rockefeller Rd - Pipe ditches	\$653,722
Sub-Total	\$1,628,046

Potential Future Proects	Estimate
8 Eagle Rd - Install storm sewer and curb & gutter	\$344,000
9 Erich Dr. - Replace storm sewer	\$175,720
10 Oak St. - Replace storm sewer	\$166,375
11 Martin, Dixon, Forest Subdivision	\$568,176
12 Trabar Dr. - Replace storm sewer	\$151,250
13 Orchard Dr. - Replace storm sewer	\$148,224
14 Rogers Rd - Ditching and drive culverts	\$174,720
Sub-Total	\$1,728,465