

# PARSIPPANY TROY HILLS TOWNSHIP 457B

## Screens Summary (Data as of 12-31-2019)

⊖ Fund Removed from Approved List    ⚠ Fund on Watch List

Name	Ticker	Asset Class	Trailing Performance and Risk				Management			Style		Expense				
			1 Yr	3 Yr	5 Yr	10 Yr	Pass/ Fail	Std Dev 3 Yr %	Beta 3 Yr %	Tenure	Pass/ Fail	Style Box	Pass/ Fail	Exp Ratio	Pass/ Fail	
<b>US Stock</b>																
T. Rowe Price Dividend Growth <i>percentile rank</i> <i># of funds in category</i>	PRDGX	Large Blend	31.02 35 1,394	15.65 11 1,210	12.06 6 1,065	13.30 19 815	✔	10.08	0.81	19.76	✔	☐	✔	0.64	✔	
Vanguard 500 Index Admiral <i>percentile rank</i> <i># of funds in category</i>	VFIAX	Large Blend Index	31.46 24 1,394	15.23 18 1,210	11.66 10 1,065	13.52 8 815	✔	12.10	1.00	3.68	✔	☐	✔	0.04	✔	
Fidelity® Contrafund® <i>percentile rank</i> <i># of funds in category</i>	FCNTX	Large Growth	29.98 70 1,363	18.92 43 1,230	13.10 39 1,098	13.96 40 822	✔	13.85	1.02	29.31	✔	☐	✔	0.81	✔	
American Funds Washington Mutual R6 <i>percentile rank</i> <i># of funds in category</i>	RWMGX	Large Value	25.93 82 1,394	13.90 49 1,210	10.96 35 1,065	13.09 28 815	✔	10.28	0.83	22.52	✔	☐	✔	0.29	✔	
Neuberger Berman Mid Cap Growth Inst <i>percentile rank</i> <i># of funds in category</i>	NBMLX	Mid-Cap Growth	33.80 42 619	16.51 41 566	11.02 43 502	13.45 39 386	✔	15.02	1.05	16.93	✔	☐	✔	0.70	✔	
American Century Mid Cap Value I <i>percentile rank</i> <i># of funds in category</i>	AVUAX	Mid-Cap Value	29.12 23 422	7.96 40 377	8.84 11 342	12.42 12 233	✔	13.31	1.01	15.76	✔	☐	✔	0.76	✔	
Carillon Eagle Small Cap Growth I <i>percentile rank</i> <i># of funds in category</i>	HSIIX	Small Growth	25.76 59 642	11.67 61 574	8.85 69 509	12.74 52 383	✔	17.50	1.03	24.02	✔	☐	✔	0.76	✔	
Delaware Small Cap Value Instl <i>percentile rank</i> <i># of funds in category</i>	DEVIX	Small Value	28.16 8 419	5.86 19 387	7.88 12 346	11.68 14 237	✔	16.71	1.03	22.68	✔	☐	✖	0.90	✔	
<b>Non-US Stock</b>																
JPMorgan Emerging Markets Equity R5 <i>percentile rank</i> <i># of funds in category</i>	JEMOX	Diversified Emerging Mkts	32.11 3 832	16.60 3 711	– – 577	– – 243	✔	14.55	0.97	14.34	✔	☐	✔	0.89	✔	
Vanguard Developed Markets Index Admiral <i>percentile rank</i> <i># of funds in category</i>	VTMGX	Foreign Large Blend Index	22.05 42 736	9.69 38 632	6.18 21 498	5.74 26 377	✔	11.40	0.98	6.86	✔	☐	✔	0.07	✔	
⚠ Invesco Oppenheimer International Gr Y <i>percentile rank</i> <i># of funds in category</i>	OIGYX	Foreign Large Growth	28.98 41 469	9.69 88 405	5.98 73 338	7.37 33 249	✔	13.07	1.11	23.78	✔	☐	✔	0.85	✔	
Vanguard International Value Inv <i>percentile rank</i> <i># of funds in category</i>	VTRIX	Foreign Large Value	20.39 21 347	9.61 6 305	5.17 13 253	4.91 29 165	✔	11.56	1.04	11.63	✔	☐	✖	0.37	✔	
American Funds New Perspective R6 <i>percentile rank</i> <i># of funds in category</i>	RNPGX	World Stock	30.48 19 876	16.79 13 728	11.45 10 610	11.15 7 370	✔	11.96	0.96	19.09	✔	☐	✔	0.44	✔	

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Fund on Watch List

Name	Ticker	Asset Class	Trailing Performance and Risk				Management			Style		Expense			
			1 Yr	3 Yr	5 Yr	10 Yr	Pass/ Fail	Std Dev 3 Yr %	Beta 3 Yr %	Tenure	Pass/ Fail	Style Box	Pass/ Fail	Exp Ratio	Pass/ Fail
<b>Alternative</b>															
PIMCO Commodity Real Return Strat I2	PCRPX	Commodities Broad Basket	12.21	-0.28	-3.38	-3.42	✓	9.76	1.11	5.00	✓	—	—	1.56	✗
<i>percentile rank</i>			11	49	49	20									
<i># of funds in category</i>			131	107	97	36									
Vanguard Real Estate Index Admiral	VGSLX	Real Estate	28.94	8.37	7.17	11.97	✓	12.06	0.98	23.65	✓	—	✓	0.11	✓
<i>percentile rank</i>			29	46	38	29									
<i># of funds in category</i>			259	224	200	138									
<b>Fixed Income</b>															
Eaton Vance Income Fund of Boston I	EIBIX	High Yield Bond	13.55	5.54	5.41	7.06	✓	3.70	0.87	5.16	✓	—	—	0.79	✓
<i>percentile rank</i>			47	49	30	23									
<i># of funds in category</i>			713	618	543	340									
BlackRock Inflation Protected Bond Instl	BPRIX	Inflation- Protected Bond	8.26	3.08	2.22	2.95	✓	2.96	0.98	2.88	✗	—	—	0.50	✓
<i>percentile rank</i>			41	38	47	45									
<i># of funds in category</i>			221	194	163	104									
Baird Aggregate Bond Inst	BAGIX	Intermediate- Term Bond	9.48	4.38	3.43	4.65	✓	2.89	0.99	19.27	✓	☒	—	0.30	✓
<i>percentile rank</i>			15	10	8	8									
<i># of funds in category</i>			431	383	328	252									
PIMCO Income I2	PONPX	Multisector Bond	7.94	5.57	5.55	8.66	✓	1.92	0.21	12.76	✓	—	—	1.15	✓
<i>percentile rank</i>			79	22	7	1									
<i># of funds in category</i>			302	265	223	120									
Federated Government Ultrashrt Dur Instl	FGUSX	Ultrashort Bond	2.14	1.69	1.11	0.76	✗	0.25	0.03	22.49	✓	—	—	0.26	✓
<i>percentile rank</i>			94	86	87	79									
<i># of funds in category</i>			201	161	130	62									
Templeton Global Bond Adv	TGBAX	World Bond	0.89	1.65	1.45	3.70	✓	6.28	-0.94	18.01	✓	—	—	0.61	✓
<i>percentile rank</i>			94	86	84	43									
<i># of funds in category</i>			316	283	236	80									
<b>Balanced</b>															
BlackRock Global Allocation Instl	MALOX	World Allocation	17.54	7.35	5.01	5.79	✓	6.93	0.99	16.01	✓	☒	✓	0.80	✓
<i>percentile rank</i>			40	51	40	62									
<i># of funds in category</i>			469	389	331	193									

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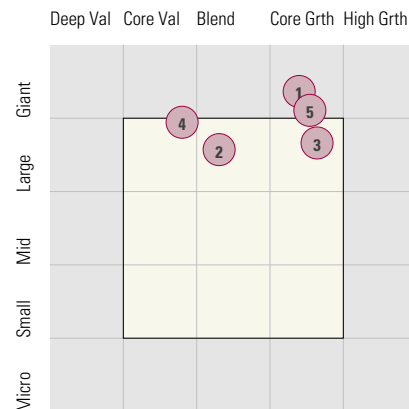
## Style Analysis (Data as of 12-31-2019)

### Style Analysis

Morningstar Style Box US Stock



Morningstar Style Box Non-US Stock



#### US Stock Funds

	Category	Super Sectors %			Asset Allocation %			Avg Mkt Cap M\$	
		Cyclical	Defensive	Sensitive	Cash	US Stock	Foreign		
1	T. Rowe Price Dividend Growth	Large Blend	32.63	30.63	36.74	5.51	88.86	5.63	47.20
2	Vanguard 500 Index Admiral	Large Blend Index	30.69	25.24	44.08	0.35	98.70	0.95	71.43
3	Fidelity® Contrafund®	Large Growth	36.49	17.55	45.95	0.05	91.84	7.32	72.75
4	American Funds Washington Mutual R6	Large Value	28.19	25.23	46.59	3.72	87.81	8.16	92.42
5	Neuberger Berman Mid Cap Growth Inst	Mid-Cap Growth	23.11	21.75	55.14	0.63	96.42	2.95	8.18
6	American Century Mid Cap Value I	Mid-Cap Value	40.49	30.22	29.29	2.55	87.29	10.16	11.80
7	Carillon Eagle Small Cap Growth I	Small Growth	23.42	31.41	45.16	1.56	96.97	1.47	2.67
8	Delaware Small Cap Value Instl	Small Value	52.51	9.80	37.69	3.20	94.79	2.12	2.27

#### Non-US Stock Funds

	Category	Super Sectors %			Regional Exposure %			Market Maturity %			
		Cyclical	Defensive	Sensitive	Americas	Greater Asia	Greater Europe	Developed	EM%	Avg Mkt Cap M\$	
1	JPMorgan Emerging Markets Equity R5	Diversified Emerging Mkts	54.17	18.93	26.90	16.34	72.63	11.03	28.63	71.37	—
2	Vanguard Developed Markets Index Admiral	Foreign Large Blend Index	40.27	23.69	36.05	9.63	36.45	53.91	98.88	1.12	30.79
3	Invesco Oppenheimer International Gr Y	Foreign Large Growth	23.21	31.00	45.78	13.26	25.86	60.87	94.66	5.34	15.13
4	Vanguard International Value Inv	Foreign Large Value	33.27	21.85	44.88	7.63	37.88	54.50	89.21	10.79	33.22
5	American Funds New Perspective R6	World Stock	35.92	22.64	41.44	58.10	14.02	27.87	94.81	5.19	55.05

#### Fixed Income Funds

	Category	Super Sectors %				Other Stats	Credit Quality %			
		US Govt Debt	Mtg	US Credit	Non US	Avg Eff Duration	Inv Grade	Below Inv Grade	NR/NA	
1	Eaton Vance Income Fund of Boston I	High Yield Bond	0.00	0.00	90.04	0.00	2.53	6.33	93.28	0.40
2	BlackRock Inflation Protected Bond Instl	Inflation-Protected Bond	92.27	3.09	0.17	0.00	7.74	99.78	0.22	0.00
3	Baird Aggregate Bond Inst	Intermediate-Term Bond	24.33	25.13	41.86	0.00	5.87	99.70	0.30	0.00
4	PIMCO Income I2	Multisector Bond	23.47	13.75	18.66	0.00	0.41	81.00	19.00	0.00
5	Federated Government Ultrashrt Dur Instl	Ultrashort Bond	15.26	56.99	0.00	0.00	0.38	100.00	0.00	0.00
6	Templeton Global Bond Adv	World Bond	76.93	0.00	0.06	0.00	-1.39	85.16	17.29	-2.44