

**In Season**  
 M - F: 8 - 6 Sat: 8 - 4

**Summer Hours**  
 Sun: 10 - 2

# 2018 FEATURE CATALOG

36 YEARS



Landscape Direct

## WHATS ON SALE THIS MONTH ?

View [LANDSCAPEDIRECT.NET](http://LANDSCAPEDIRECT.NET) for popular items on sale monthly  
 Visit our full line of Trees - Plants - Pond & other materials

- 36 yrs. of Professional Care
- Quality Plants / Professional Mat.
- Deliveries Only 3 yd. Min. Base & Zone 1
- Hands on Knowledge
- Convenient Hours 7 days Summer
- Landscape / Pond / Golf Supplies



* Rev. 3-26-18 -- Prices subject to change on all Pages *				YARD	1 - 6	7 - 15	16 +	CUBIC FT.
SF	BAGGED MATERIAL			WEIGHT	BAGS	BAGS	BAGS	COVERAGE
10	Topsoil		HGTOPSOILB40	40	2.39	2.29	2.09	1.25
10	Potting Soil - All Par / Earth Grow / GM		HGPOTSOILB40	40	3.59	3.24	3.05	1.25
12	Peat Organic		HGPEATMB40	40	3.89	3.19	2.95	1.25
10	MG Moisture Control Potting	55 Qt	HGMIRGROSSO55	42	17.99	16.45	15.80	—
13	MG Flower & Veg. Garden Soil	40 Qt	HGMIRGROFL40	57	10.89	9.85	9.20	—
12	Humus Organic - Cow Manure		HGMANCCB40	40	3.90	3.25	3.15	1.25
19	Sphagnum Peat Moss - 3 cf.	40/pal	HGPTMP3.8	60	14.99	14.10	13.65	3.8
12	Play Sand	60/ pal	HGPLAYSAND	50	3.25	3.10	2.95	1.25
13	Hardwood Mulch - 2 cf	80/ pal	HGMULCHHRDW	30	3.60	3.50	3.30	2
13	Cedar Mulch - 2 cf	60/ pal	HGMULCHCEDAR	30	4.00	3.80	3.65	2
13	Cypress Mulch - 2 cf.	80/ pal	HGMULCYPB2	30	3.70	3.60	3.30	2
13	Colored Mulch - 2 cf.	80/ pal	HGMUL	30	3.60	3.50	3.30	2
40	Joint Adh. Alliance Grey	56/ Polym	HGJOINTGR	50	26.99	25.80	23.95	—
40	Joint Adh. Alliance Beige	56/ Polym	HGJOINTBE	50	24.89	23.70	22.25	—
40	Joint Adh. Alliance Black + \$1.00 Ivory	Polym	HGJOINT...	50	28.95	27.75	26.30	—
30	Joint Adh. Gator <u>Dust</u> Grey	56/ Polym	HGJOINGATDUST	50	25.79	24.65	23.15	2.5
30	Joint Adh. Gator <u>Dust</u> Beige	56/ Polym	HGJOINGATDUST	50	26.79	25.65	24.15	2.5
35	Joint Sweep Sand .5cu	60/ Non-Adh	HGJOINT	45	5.99	5.49	4.79	1.25
12	Slag Sand 30a Paver Bedding	60/ pal	*HGSLAG05	47	3.19	3.04	2.80	.05
10	Pea Stone 3/8" washed	60/ pal	*HGPEASTONE	53	3.09	2.94	2.70	.05
10	6a Cobble Stone 3/4" washed	60/ pal	*HG6ASTONE05	53	3.09	2.94	2.70	.05
12	21a Lime Stone Base w/ Fines	60/ pal	*HGLIME21AA05	47	4.09	3.85	3.60	.05
3000	Micronutrient Fertilizer- 25 or 50#	for Plants & Turf	HGFERTMICRO	50	28.70	27.95	27.15	—
3750	Fertilizer 16-0-8 w/ 40% SCU		HGFERT	50	14.35	13.50	12.90	—
3750	Fertilizer 19-19-19 w/sulfur & iron	for new lawns	HGFERT	50	16.45	16.10	15.90	—
12500	Weed & Feed Lawn Fertilizer	22-0-6	HGWEEEFEE40	50	17.29	16.09	14.55	—
7240	Treflan- Weed Prevention		HGWHEET	40	41.49	39.60	36.90	—
1500	Copper Sulfate Pond Algaeside		AQCOPPER50	50	121.90	119.30	117.10	—
1000	Citrine Plus Algaeside		AQCHEMCUTPLUS30	30	86.90	83.85	79.40	—



# SYNTHETIC GOLF GREENS TURF GRASS PLAY SCAPES



---- ALL TURF MATERIAL HAS A WIDTH OF 12.25' (12.25 X Length = Sq Ft) ----

TURF		Any Size	Full Roll	Length	SQ FT	Weight			
Height		In yard	In yard	Full Roll	Full Roll	Full Roll			
1/2"	Putting	3.95 / sf	3.45 / sf	120x12.25	1470	400	390.	*putGR.50	
1"	Putt	4.20 / sf	3.70 / sf	100x12.25	1225	400	390.	*putGR1	
<b>NEW</b>	1"	Putt Triple	4.65 / sf	4.15 / sf	100x12.25	1225	975	480.	*putGR1.250
	1.75	Ruff	4.40 / sf	3.95 / sf	100x12.25	1225	450	400.	*putGR1.75
<b>NEW</b>	1.75	Ruff Triple	4.90 / sf	4.45 / sf	100x15.25	1525	1100	520.	*putGR1.75600

ACCESSORIES		1-8 ea.	9+ ea.	
Regulation Cups		14.00	12.85	*putcup
Flag/Pole 30" T-Handle W/ Red Flag		41.00	37.00	*putflag
Flag/Pole Professional 84"		94.99	88.50	*putflag6
3' x 3' Chipping Mat		27.00	22.50	*putmat
Accessory Kit *		65.00	59.00	*putackit
* Includes: 3 Cups, 1 Flag, Chipping Mat				
Steel In-Fill Broom 5' curved handle, 12" x 2.5" steel bristles		122.00	106.50	*putbroom
Seam Tape Roll 25' x 7"		2.00	2.00	*putseamt
Seam Tape Adhesive 1QT. Cov. 24 LF		28.00	24.00	*putadhqt
Coal Slag ( Infill ) 80# Bag SEE BELOW		16.80	15.40	*pucoal
Cup Sleeves 12" x 4.5"		17.80	16.60	*putsleeve
Core 12' (center tube used for turf shipping, No Return )		12.00	11.00	*putcore12
** Tool Rentals: * Steel Broom * Drop Spreader * Roller		15.00	each per day	rent

Coal Slag Formula: 1/2" Turf: SF x 2.4 = LBS / 80 = Bag Qty. ---- 1" or 1.75" Turf: SF x 5.1 = LBS / 80 = Bags



Professional Synthetic Turf Has Multiple Uses: Putting Greens, Croquet, Bocci Ball, Grass...



# BULK MATERIAL - Mulch's / Soil's / Stone / Aggregate / Sod

MATERIAL Description & Size	* 2" Cov.	1/2 yd	1 +	12 +	24 +	100+	
Hardwood Bark #2 Chips		160	6.50	11.10	10.65	10.10	9.80 *WSHBH2
Hardwood Blend - Dark/ Rich	uniform lay	160	16.20	24.95	23.85	22.40	20.85 *WSHBH1
Hardwood Double - Premium Tan		160	17.75	28.85	26.55	24.70	22.85 *WSHBHRDWWP
Hardwood Triple - Premium Dark		160	19.00	32.85	30.55	28.70	26.85 *WSHBTRIP
Hardwood Compost - Dark Fines	uniform lay	160	15.20	24.85	23.55	21.90	19.85 *WSHCOMP
Cedar Premium - Gold		160	19.10	35.90	34.45	32.85	30.60 *WSHBCEGAR
Cedar Dark - Tan 1 yr. Aged		160	19.10	33.90	32.45	30.85	28.60 *WSHBCEGAR
Dyed Virgin - Black, Red, Walnut, Cherry, Sedona		160	18.55	32.30	31.45	31.10	28.90 *WSHMULCH...
Play Safe Mulch (SP) 140 YD Load Certified		160	18.70	31.60	30.75	29.85	28.60 *WSHBPLAYCERT
Red Pine Mulch - Rich w/ Nutrients		160	26.30	41.60	40.40	39.85	N / A *WSHPINE
Old Mill Red Pine - 3 yr. Rich Nutrient Decompose		150	19.10	32.20	31.00	30.45	29.20 *WSHBOLDMILL
Coco Fiber Mulch - Nutrient & Moisture Rich		160	22.30	33.60	32.40	30.85	29.45 *WSHMCOCO
Compost Organic Wood Fiber / Soil	Screened	140	15.20	24.85	23.55	21.90	19.85 *WSHCOMP
Compost Organic " / Live Worms	Small Debris	140	12.50	18.70	17.45	15.80	14.25 *SLCOMPOSTD
<b>Topsoil - Screened</b>		160	14.40	25.80	25.00	22.80	21.05 *SLSTS
Topsoil - Unscreened	Has Debris	160	9.00	15.85	14.55	13.25	11.80 *SLBUL
Clay Bulk	Has Debris	160	5.25	8.05	7.30	6.70	4.25 *SLCLAY
Peat Screened Black	Black Organic	135	19.95	34.90	32.20	30.80	29.75 *SLPEAT
Peat - TopSoil Blend	50peat - 50sts	150	17.25	28.95	27.30	26.00	25.30 *SLSTSPEAT
Garden Mix	50Org.Comp.-25Cocomix-25 Ptmix w/micronut	140	19.95	33.85	32.40	31.15	30.70 *SLGARD
Plant Mix	20peat-25sand-20sts-35cocomix	140	19.85	31.85	30.40	29.15	28.70 *SLPLANT
Compost Recycled	Leaves / Grass / Vegetables	140	10.55	16.40	15.80	14.60	12.45 -SLRECYC
Golf Pro - Tri Mix	(SP) 30peat - 40sand - 30soil	150	-----	-----	30.55	29.25	28.80 *SLGOLFTRI
Golf Pro - Bi Mix	(SP) 40peat - 60sand 2ns	150	-----	-----	29.55	28.25	27.80 *SLGOLFBI
Sand Fill	Bank sand	145	10.30	16.90	16.25	15.10	12.95 *SANDF
Sand Mason	Finer for sand box or beach	145	18.40	30.25	28.25	26.25	21.75 *SANDMA
Sand Sharp	2ns, beach, pool, play	145	16.20	26.65	24.10	22.60	20.10 *SAND2NS
Sand Beech White	(SP) *52 ton/ Load	145	-----	-----	-----	-----	73.25 *SANDWH
6A Gray Calcite Limestone	washed	135	18.70	34.35	32.10	30.35	28.65 *ST6ALIME
6A White Dolomite Limestone	SP) washed	135	-----	-----	40.65	38.05	36.45 *ST6ALIMEW
21AA Aggregate Roadmix	1/2" natural	130	21.90	36.25	34.80	33.90	29.60 *STRD21AA58
21A Crushed Concrete	3/4"	95	19.20	33.10	31.75	30.35	25.65 *STRD21CON
21A Crushed Asphalt	3/4" Monkey Mix	130	18.20	31.35	29.75	29.20	24.55 *STRDCRUASH
<b>21A Crushed Limestone</b>	3/8" BASE & DRIVES	130	20.20	34.10	32.80	31.90	27.60 *STRD22LIME
3A or 4A Crushed Wash	natural 1/4 -3/8 #3 3/8-5/8	130	21.75	38.65	36.65	35.85	32.50 *STRD3AAG
# 9 Permeable ASTM Aqua Rock	100% Clear Bedding	140	27.35	46.35	44.70	42.65	41.65 *STRD9A
<b>Slag 30A</b>	Bedding sand	140	21.45	37.65	36.15	35.00	30.80 *SLAG
Pea Stone Aggregate	3/8" natural washed	135	19.80	35.00	33.50	31.10	26.55 *STPEA
6A Stone Aggregate	3/4" natural washed	130	20.20	34.10	32.70	31.25	27.40 *ST6A
Cobble EggStone	1.75" natural washed	110	28.20	49.95	48.20	47.45	45.55 *ST1.75
Cobble Stone	2" - 4" natural screened	95	31.70	53.90	52.00	51.00	49.45 *ST2
Cobble Oversize Stone	4" - 9" Round & Washed	60	45.60	82.65	81.40	75.25	71.00 *STO
Oversize Manstone	9"- 12" *Approx. 35 Pieces	30	48.35	89.90	88.70	81.55	77.20 *ST10
Oversize Manstone	10-15" *Approx. 27 Pieces	30	48.35	89.90	88.70	81.55	77.20 *ST10
Rip-Rap	3" Broken Concrete	55	12.60	20.45	19.10	18.45	18.15 *STRD3CONCRETE
Sod	2 x 5' Each Piece = 1 Yard	9	—	5.10	—	—	4.80 *sod

\* Coverage is an Approximate..... FYI Note: 21a & 21aa & 23a are within 1/4" in Size..... ( SP ) = Special Order



# Boulders / Outcropping / Wall & Steps / Sealer / Rental

2000 # (pounds) = 1 Ton	0-1999#	2000-4000#	4000+	12000+	APPROX \$ EACH	44 TON + in Yard	PER #	100 Ton + Direct FREE Local Delivery
Mich Boulders 15 - 24"	.07	.065	.062	.056	18.	78. ----	.039	73. *ST1
Mich Boulders 24 - 36"	.084	.079	.074	.070	38.	92. ----	.046	86. *ST24
Mich Boulders 28 - 42"	.088	.083	.080	.073	70.	103. ----	.051	98. *ST28
Mich Boulders 43 - 60"	.078	.080	.077	.073	145.	95. ----	.047	91. *ST42
Picture Rock 15 - 42"	.176	.159	.152	.146	105.	206. ----	.103	172. *STPICTURE
Canadian Jade 9 - 18"	.17	.14	.12	.09	N/A	202. ----	.101	167. *STCANJADE9
Canadian Jade 18 - 36"	.17	.14	.12	.09	41.	255. ----	.127	188. *STCANJADE
Canadian Sunset 15 - 42"	.17	.14	.12	.09	41.	270. ----	.135	235. *STCANSUN
Island Moco Wall Outcrop 9" +	.12	.11	.09	.08	50.	134. ----	.067	118. *STISLANDWALL
Island Moco Step 6 - 8"	.22	.19	.16	.13	110.	236. ----	.118	173. *STISLANDSTEP
Caramel Mint Wall Irregular 9 - 15"	.14	.13	.12	.11	105.	178. ----	.089	148. *STCAMELWALL
Caramel " Wall Fingers 9 - 10"	.16	.15	.14	.13	30.	220. ----	.11	191. *STCAMELFING10
Caramel " Wall Fingers 13 - 15"	.16	.15	.14	.13	45.	214. ----	.107	185. *STCAMELFING14
Caramel " Step 6 - 8"	.23	.20	.17	.14	95.	204. ----	.102	181. *STCAMELSTEP
Caramel " Bridging 8 - 10"	----	.23	.20	.17	300.	324. ----	.162	309. *STCAMELBRIDG
Caramel " Table Top by the pc.	----	.23	.20	.17	550.	322. ----	.161	266. *STARMORLTWALL
Canadian Light Wall 9" +	.14	.13	.11	.10	70.	184. ----	.092	278. *STARMORLTSTEP
Canadian Light Steps 6 - 8"	.22	.19	.16	.13	110.	236. ----	.118	173. *STARMOURWALL
Armor Dark Mario Wall 9" +	.12	.11	.09	.08	160.	146. ----	.093	168. *STARMOURSTEP
Armor Dark Mario Steps 6 - 8"	.20	.17	.14	.11	110.	196. ----	.093	136. *STAPPALIWALL
Flagstone Caramel - Oversize 4"	.32	.29	.26	.23	-----	382. ----	.191	188. *STFLAGCARAM4
Flagstone 1.5 - 2.5" Smooth buff/ grey	.19	.16	.15	.14	N/A	260. ----	.13	356. *STFLAGBUFF
Flagstone 1.5 - 2.5" Textured buff/ grey	.20	.17	.16	.15	N/A	280. ----	.14	244. *STFLAGTEX
Flagstone 3 - 4" Textured buff/ grey	.20	.17	.16	.14	N/A	280. ----	.14	244. *STFLAGTHICKTEX
Brick Paver Remnants	1.25	6 pcs	----	----	.25 ea.	----	----	268. PAVE
Wall Remnants Small Wall & Coping		1.50			2.00	----	----	PAVE
Granite Steps 6-9" Random	.23	.16	.14	.13	130.	240. ----	.12	----- *STGRASTP

2000 # (pounds) = 1 Ton

\* Additional \$10.00 p/ ton for Custom Orders

## - GRANITE GUILLOTINE -

## STEPS

## FLAG

Granite Step	3' x 16"	10+	4' x 16"	10+	FLAGSTONE STEPS	5' x 24" ea.	16+
Strawberry or Grey	130.	118.	141.	129.	*STGRA*	Buff or Grey Mix	209.55 184.00 *STFLAGSTEP



## - Alliance Gator - Paving & Natural Stone Sealer / Binders / Maintenance

Sealer's - Water Base or Acrylic based, Matt or Wet look - non-yellowing appearance that does not peel or blister.

\*4 hour Cure time. " Roll -Squeegee -Spray application ". \*Cleaner's - Shampoo, Oil & Grease, Efflorescence, Mold, Rust

Description	1 G. 1-3	* 5 G. 1-3	* 1 G. 4+	* 5 G. 4+	HGPAVGAT	Description	Each	4+	Coverage / Gal. *Approx.
Satin AB	42.39	219.49	39.84	205.32		Rust Remover	13.59	12.49	Pavers & Flag 135
Gloss Wet "	46.69	239.79	43.89	224.40		Oil & Grease	12.69	11.75	Stamped concrete 150
Resealer "	40.39	226.64	37.97	210.77		Rubber & Paint	18.59	17.25	Troweled concrete 300
Natural / Zero WB	36.39	159.29	34.20	148.14		Moss / Mold	33.64	31.35	Exposed Aggregate 250
Low Gloss "	39.39	176.39	37.05	164.05		Rust Singerman Lab	38.95	35.40	Natural Stone Seal 375
High Gloss "	42.79	188.89	40.23	175.67					
Color Enhancer	1 G. 1-3	* 5 G. 1-3	* 1 G. 4+	* 5 G. 4+	Description	1 G. 1-3	* 5 G. 1-3	* 1 G. 4+	* 5 G. 4+
Natural / Zero WB	41.49	197.29	39.00	183.49	Efflorescence	30.49	112.29	56.20	247.29
Low Gloss "	42.49	208.49	39.95	193.89	Eco Stripper	61.79	281.89	57.20	254.60
High Gloss "	54.89	241.89	51.59	224.95	Shampoo	28.49	106.79	26.80	99.80

WB = Water Base \* AB = Acrylic / Solvent

## LANDSCAPE DIRECT RENTAL - TRAILER's / BALL CART's / SAW's 586-752-4222

Rental Rates for Dump Trailer 30.00 / Hr. 75.00 / five Hr. 120.00 P/ Day 90.00 2<sup>nd</sup> Day 530.00 Week

First Time Setup \$15.00 • Your day rate expires 6:00 PM • Charge Bat. every 6 Dumps \* Rev. 3-26-18 Prices Subject to change \*



# WALLSTONE / COPING / EDGE

\*Rev 5-22-14



Landscape Direct (586) 752-4222

BESTWAY WALL MATERIAL



(SP) = Special order  
16+ Pallet ( Less 5 % )



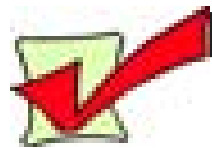
			Pallet Price 1-15	SF/ Unit Price	SF p/ Skid	Pallet Qty	Pallet Price 32+	SF Price	Ibs / Unit	Pallet Weight	\$6.50 Section Charge	
PARKWALL	8w x 6h WALL	Taper or Straight	223.50	7.45	*20	Dbl 30=60	203.10	6.77	92	2760	Dbl sold as unit	*WAPWT
PARKWALL	24" CAP Straight	Dbl. = 2pc.	211.68	13.23	-----	Dbl 16=32	192.48	12.03	128	2048	sold as unit of 2	*WAPW24
PARKWALL	8" CAP Wedge	Single pc.	284.16	2.96	-----	96	261.12	2.72	25	2400	sold per piece	*WAPWWC
PARKWALL	8" CORNER Set	Sold Pair (left & right)	188.76	15.73	8	24-12 sets	171.60	14.30	46	1104	sold p/ set of 2	*WAPWCORGR
GARDEN LOCK	Triple 5" WALL	Sm:7.5 Med:10 Lg:15	229.08	8.33	27.5	27.5	224.40	8.16	101	2777	sold pallet only	*WAGW
		3 Pc. Wall w/ Design Options	-----	-----	-----	-----	-----	-----			-----	
GARDEN LOCK	WALL 5" Wedge	8./ 5.3 x 9 x 5	280.00	2.24	*29	125	255.00	2.04	20	2500	sold per piece	*WAGWL
GARDEN LOCK	CAP Wedge	8./ 5.3 x 10x 3	-----	2.32	-----	128/160	-----	2.11	15	2400	sold per piece	*WAGWLC
GARDEN LOCK	CAP 16" Straight	16 x 10 x 3	372.48	5.82	-----	64	388.56	5.29	35	2240	sold per piece	*WAGLC
GARDEN CURB	Smooth / Pres Face	(SP) 32x 6x 4	298.80	7.47	105 lf	40	288.00	7.20	58	2328	sold per piece	*PAGCA
GARDEN CURB	Antico (SP) Color Mix	15.75 x 6 x 4	250.88	3.92	84 lf	64	242.56	3.79	29	1836	sold per piece	*PAGCA
BAROLLO	Roundedge (Bull Nose) Cap	10 x 12.5 x 3	343.53	3.47	81 lf	99	311.85	3.15	26	2554	sold per piece	*WABAR

## WALLS TUMBLED

(SP) = Special order  
16+ Pallet ( Less 5 % )



			Pallet Price 1-15	Each Pc.	SF	Pallet Pcs	Pallet Price 32+	Each Pc.	Ibs Ea.	Pallet Weight	Refundable Pallet charge of 18.00	
PARKWALL	Antico 8w x 6h Wall	Taper or Straight	294.00	4.90	20	60	267.00	4.45	40	2400	sold by band / 5 sf	*WAPWATBM
PARKWALL	Antico 24" CAP Straight	Dbl. = 2pc.	284.80	8.90	-----	32	258.88	8.09	67	2144	sold as unit of 2	*WAPWAT24
PARKWALL	Antico CORNER SET	Pair (left & right)	212.76	17.73	8	24-12 sets	193.44	16.12	40	960	sold p/ set of 2	*WAPWACOR
PALLADIO	Antico Triple 5" WALL	(SP)	338.80	12.32	27.5	25	308.00	11.20	101	2525	sold pallet only	*WAPATR
PALLADIO	Antico WALL 5" Wedge	8./5.3x 9x 5	343.75	2.75	34.7	125	312.50	2.50	20	2500	sold per peice	*WAPAW
PALLADIO	Antico CAP 16" Straight	(SP) 16x 10x 3	389.76	6.09	-----	64	354.56	5.54	38	2240	sold by band 16 pc	*WAPAC
PALLADIO	Antico CAP Wedge	8./ 5.3 x 10x 3	-----	2.93	-----	125/160	-----	2.65	15	2048	sold per peice	*WAPAW
STACKER	Antico WALL	12 x 8x 4	334.08	3.48	32	96	303.36	3.16	30	2880	sold per peice	*WAASA
COLUMN - PIER CAP		24x 24x 3	-----	59.94	20	-----	-----	54.43	110	2200	sold per peice	*WAPWCP
RIDGE STEP	Split Face / Smooth	40 x 20x 7	287.10	47.85	-----	6	254.40	42.40	459	2754	sold per peice	*WARIDS



Don't Forget Your Necessary Landscape Accessories For Your Paver & Wallstone Projects

\*Orange Marking Paint  
\*Geo Grid

\*Base & Slag Aggregates  
\*Paver Restraint & Stakes

\*Non Woven Fabric / Underlayment  
\*Sweeping Sand/Sealer



## POND KITS - Kit advantage - No Miscellaneous Parts - No Run Around -

Kits Range in Installed size from 6 x 6' through 21 x 26'. Include 45 mill Liner, Underlayment fabric, Skimmer, Lights, Aquafalls & Filter, Flexible PVC flow pipe, Check valve assembly, Silicone sealer, Pump, Chemicals, Foam & Glue



PUMP #	HP	115V		24 HR COST	PIPE SIZE	CORD LENGTH	SIZE		FLOW		PRICE		
		AMP	AMP				DIA	HGT	5'	10'	1-5	6+	
CALS900T	1/12	2.5		\$2.14	1/2"	20'	5 x 6	620	415	<b>132.40</b>	<b>119.60</b>	AQPUMCAL	
EP200	Mag	----		\$0.07	1/2"	12'	6 x 2 x 3	48		<b>45.60</b>	<b>36.10</b>	AQPUMEPMAG200	
EP400	Mag	----		\$0.09	1/2"	12'	6 x 2 x 3	200	55	<b>78.45</b>	<b>62.37</b>	AQPUMEPMAG400	
EP600	Mag	.42		\$0.12	1/2"	16'	6 x 3 x 4	315	90	<b>105.83</b>	<b>80.25</b>	AQPUMEPMAG600	
EP1350	Mag	.95		\$0.27	3/4"	20'	11 x 6	1100	700	<b>189.57</b>	<b>158.70</b>	AQPUMEPMAG320	
EP3200	Mag	2.2		\$0.56	1"	26'	12 x 7	2300	1000	<b>255.74</b>	<b>216.69</b>	AQPUMEPMAG320	
EP8000	1	10.2		\$2.73	2"	30'	10 x 18	131	111	<b>603.13</b>	<b>553.05</b>	AQPUMEP8000	
EP10000	1.5	11.8		\$3.81	2"	30'	10 x 18	160	153	<b>879.10</b>	<b>836.55</b>	AQPUMEP10000	
FQ05	1/2	----		\$2.48	2"	33'	10 x 17	110	90	<b>348.40</b>	<b>307.98</b>	AQPUMFQ05	
FQ10	1	115		\$3.72	2"	20'	10 x 17	150	135	<b>424.18</b>	<b>382.91</b>	AQPUMFQ10	
TH150	1/4	2.6		\$0.72	2"	20'	10 x 15	46	35	<b>331.80</b>	<b>298.85</b>	AQPUMTH150	
TH250	1/3	3.0	4.2	\$0.99	2"	20'	10 x 15	65	54	<b>434.60</b>	<b>356.59</b>	AQPUMTH250	
TH400	1/2	5.6	2.8	\$1.39	2"	20'	10 x 17	74	63	<b>513.52</b>	<b>408.82</b>	AQPUMTH400	
TH750	1	9.5		\$2.36	2"	20'	10 x 17	95	85	<b>632.78</b>	<b>504.04</b>	AQPUMTH750	
TS150	1/4	3.0		\$0.99	1 1/4"	20'	5 x 13	25	16	<b>176.75</b>	<b>134.03</b>	AQPUMTS150	
TS250	1/3	4.4		\$1.12	1 1/4"	20'	5 x 13	43	35	<b>202.12</b>	<b>160.86</b>	AQPUMTS250	
TS400	1/2	5.3		\$1.32	1 1/4"	20'	5 x 13	50	44	<b>259.99</b>	<b>204.74</b>	AQPUMTS400	
WQ50	1/2	8		\$3.97	3"	33'	15 x 21	160	130	<b>557.40</b>	<b>454.59</b>	AQPUMWQ50	
WQ502	1/2		4	\$1.00	3"	33'	15 x 21	160	130	<b>564.80</b>	<b>468.58</b>	AQPUMWQ502	
WQ75	3/4	11		\$2.73	3"	33'	15 x 21	178	152	<b>602.90</b>	<b>498.71</b>	AQPUMWQ75	
WQ100	1	13		\$3.23	3"	33'	15 x 21	195	176	<b>653.52</b>	<b>530.90</b>	AQPUMWQ100	
WQ150	1 1/2	16		\$3.97	3"	33'	15 x 21	285	245	<b>686.70</b>	<b>592.91</b>	AQPUMWQ150	
WQ1502	1 1/2		8	\$3.97	3"	33'	15 x 21	285	245	<b>706.23</b>	<b>618.30</b>	AQPUMWQ1502	

### Pond Check List      Customize & Accessorize your Water Feature

- |                     |  |                    |   |
|---------------------|--|--------------------|---|
| <b>Liner/ Cloth</b> | Main Pond - Upper Pond - Stream - Shelves & Bowl                     | <b>Check Valve</b> | Keeps water level constant & make servicing pump easy   |
| <b>Skimmer</b>      | Size for Pump Flow - Surface Size- Size of Pump or Pumps & Auto Fill | <b>Lighting</b>    | 12 Volt Lights & the new Colors of Fiber Optic Glass Lights   |
| <b>Falls</b>        | Size for Pump or Pumps - Width & Thickness of Weir                   | <b>Treatment</b>   | Active Bacteria - Algae - Colorant - Conditioner - Adjustment   |
| <b>Flex Pipe</b>    | 1-4" Dia. - Run along outside of Pond                                | <b>Misc. Items</b> | Foam - Timer - Auto Fill Valve - Aerator - Bottom Drain - Devortor Valves - Fountain - Extensions - De-Icer - Pump Screen - Cover |
| <b>Pump</b>         | See "Choose Pump Size Below"   |                    |   |

#### HOW TO CHOOSE THE CORRECT SIZE PUMP

Our pumps show how many GPM (gallons per minute) the pump provides at \_\_\_' of head, from Surface water level of pond to top of the waterfall. Water is heavy ( 8 lbs. per gallon ) & the higher a pump has to push the water the less volume it will provide.

A nice average looking waterfall or stream, takes 30 GPM for every 1' of width. To determine GPM needed, multiply width in feet x 30.

Example: Waterfall is 3' wide x 10' high above pond. Multiply 3 x 30 = 90 GPM @ 10' of head. Find a pump close to 90 GPM @ 10' of head.

#### DON'T RESTRICT YOUR PUMP

Maximum water flow per pipe size:    1 1/2" pipe 55 GPM    2" - 95 GPM    3" - 240 GPM    4" - 400 GPM    6" - 700 GPM .

Each fitting in your plumbing system creates resistance and can slow your flow.





IRRIGATION		Size	Price	6+/Roll	*IRRI
Valve Box Round Econo		6"	6.95	6.55	*IRRIVALBOX6
Valve Box Round - *Not Aquatic box		10"	11.89	11.35	*IRRIVALBOX10
V Box Rectangular Shallow 6"		10.5 x 12.5 x 6.5	17.20	16.80	*IRRIVALREC
V Box Rectangular Deep		10.5 x 12 x 16	32.00	27.25	*IRRIVALREC
V Box Rectangular Shallow Jumbo		15 x 20.5 x 7	48.20	41.15	*IRRIVALREC
V Box Rectangular Deep Jumbo		15 x 20.5 x 12	53.25	47.05	*IRRIVALDEEP
Gear Drive Large K-Rain Pro 5"			16.70	16.20	*IRRIGEARKRA
Gear Drive Large PGP - Rain Bird (RPS Special Price 1.00 Less)			13.90	13.10	*IRRIGEAR
Gear Drive Mini Rain Bird 3500 - Hunter - Toro - Krain			12.90	12.10	*IRRIGEARMINI
Gear Sports Athletic Turf		1" Feed	42.90	37.20	*IRRIP
Vacume Breaker PVB		1"	78.90	72.60	*IRRIVAC
Brass Ball Valve		1"	27.39	22.60	*IRRIBRBALL1
Bleeder Test Cock for PVB		1/4 & 1/8"	11.86	10.08	*IRRIP
Bleeder Thumb Cap			3.35	3.15	*IRRIP
Boiler Drain / Hose Bib 1/2"		+ 2.00 3/4", + 4.00 1"	10.29	9.85	*IRRIP
Poppet Kit assembly Febco -		Watts - + \$8.60	46.19	44.80	*IRRIPPOPKIT
Mist 12" LX	Pop-up w/ nozzle	12"	11.30	10.90	*IRRIMIST12
Mist 6" LX	Pop-up w/ nozzle	6"	7.70	7.10	*IRRIMIST6
Mist 4" LX	Pop-up w/ nozzle	4"	4.70	4.40	*IRRIMIST
Mist 4" RBird w/ ADJ nozzle	Pop-up w/ nozzle	4"	2.80	2.40	*IRRIMIST4
Nozzels 15 - 8 w/ Filter & ADJ's			2.20	1.80	*IRRIP
Electric Valve DV-100 Rain Bird		1"	19.50	18.10	*IRRIELECTVA
Electric Valve (w/ adjustable pressure)		1.5"	94.80	82.45	*IRRIELECTVAL
Solenoid - Electric 1" valve			16.82	15.90	*IRRIELECTSOLENOID
Diaphragm 1" Valve			18.30	17.10	*IRRIP
Rain Sensor Wireless	(wired still available @ \$51.75)		76.60	68.40	*IRRIP
Cabinet Outdoor Lcom #1200		14x10x4	68.42	65.20	*IRRIP
Control WM ProLine PL1600	Module- 4z 52.79, 8z 92.79	4-16 zone	119.89	108.90	*IRRIP
Control Toro 212 Indoor	+20. for Outdoor	4-12 zone	69.85	64.90	*IRRIP
Modules 212		2 zones / module	27.30	25.85	*IRRIP
Control Toro DC Remote	(DC Valve 52.)	4 zone	139.29	133.35	*IRRIP
Modules -		Hunter 3z 48.40, RBird 3z 40.60			*IRRIMO
Clamps - Hose	add .30 /size increase	3/8 - 1.25"	1.06	.96	*IRRICLAMPHC
Clamps Band - req. Clamp tool		1/2" - 3/4 - 1"	0.60	0.47	*IRRICLAMPHC
Insert Fitting 1/2 - 1"	(Add .80)	1.25 - 2"	1.60	1.30	*IRRIFITT
Saddle 3/4 or 1"	White w/screws or Yellow Blazing		2.64	2.39	*IRRP
Funny Pipe 3/8"		100' Coil \$29 p/ft	0.39	0.35	*IRRIFUNNY
Funny Pipe Fittings			0.33	0.29	*IRRIFUNFIT
Swing Joint 1" PVC			39.55	34.15	*IRRSWINGJOINT1
Nipples PVC Threaded 1/2 or 3/4"		1" +	0.84 +.24 P/ "	0.70 +.24 /"	*PVCNIPPLE
Rid-O-Rust Formula 2000 2x Concentrate			19.29	17.10	*IRRIFORM64OZ
Poly Pipe 100' or 400' Roll .23 /ft		3/4"	0.44	0.37	*IRRI075
Poly Pipe 100' or 300' Roll .27 /ft		1"	0.67	0.57	*IRRI10
Poly Pipe 300' Roll .60 /ft		1 1/4"	0.81	0.71	*IRRI125
Poly Pipe 250' Roll 1.06 /ft		1 1/2"	1.48	1.33	*IRRI150
Poly Pipe 100' Roll 1.37 /ft		2"	1.93	1.74	*IRRI200

## FABRIC & RETAINAGE Landscape Direct (586) 752-4222

Material Description	Density	Size	Price	Qty.	Qty.Disc.	6+ Rolls		
Garden Fabric	2 oz	3 x 50	13.95	3+ Roll =	12.70	11.40	*HGFAB	
Garden Fabric	2 oz	3 x 100	23.60	3+ =	21.80	19.80	*HGFAB	
Garden Fabric (With Stakes)	2 oz	4 x 125	25.30	3+=	23.70	21.90	*HGFAB	
Garden Fabric (With Stakes)	2 oz	4 x 225	46.76	3+=	43.70	40.80	*HGFAB	
Garden Fabric	2 or 3 oz	6 x 300	79.29	3+=	75.15	73.90	*HGFAB	
Garden Fabric	2 oz	12 x 250	159.30	2+=	151.30	143.20	*HGFAB	
Garden Fabric	2 oz	15 x 250	213.10	2+=	204.45	197.50	*HGFAB	
Non Woven Underlay GT140- #4546	4 oz 100 #	7.5 x 360	1.16 LF	1+=	375.84	0.93/ 334.8	*FABUND	
Non Woven Underlay GT140- #4546	4 oz 100 lb	12.5 x 360	1.77 LF	1+=	573.48	1.33/ 478.8	*FABUND	
Non Woven Underlay GT140- #4546	4 oz 100 #	15 x 360	2.11 LF	1+=	683.64	1.61/ 579.6	*FABUND	
Woven Underlayment GTS300-2006	315 lb	12.5 x 360	1.90 LF	1+=	615.60	1.52/ 547.2	*FABWUN	
Grid Strada - Wall Tieback SG200	150#	6 x 50	-----	1+ =	107.00	91.	*GEOG6X50	
Grid Strada - Wall Tieback SG200	150#	6 x 150	-----	1+ =	297.60	268.	*GEOG6X150	
Grid Strada - Wall Tieback SG200	150#	12 x 150	5.38 LF	1+ =	647.20	3.58/ 537.	*GEOG12	
Erosion Ctrl. Mesh Green	1yr Decomp.	12.5 x ____	.70	150+ LF	0.65	0.60	*FABERROS	
Metal Stakes 25 Pack - 4.50	1000 / box	6 x 1 x 6	.21	86.60	box	74.00 box	*STAKEST	
Frost Blanket	2 oz	-----	6 x 20	17.25	3+ =	15.20	14.40	HGFABFB
Burlap (300' Roll)	7 oz	-----	3' / 4' / 5' / 6'	0.13 P/ SF	-----	-----	0.11 P/ SF	*FABBUR



## CORRUGATED DRAIN TILE

\*CORR

ROLL SIZE	ROLL SIZE	SOLID or PERF.		12+ ROLL		PERFORATED W/SOCK		12+ ROLL PERF W/SOCK		DUAL WALL	12+ DUAL WALL
		\$/FT.	\$/ROLL	\$/FT.	\$/ROLL	\$/FT.	\$/ROLL	\$/FT.	\$/ROLL	20' STICK	20' STICK
3"	100'	0.39	39.00	0.35	35.00						
4"	100'	0.59	59.00	0.52	52.00	0.60	60.00	0.57	57.00		
4"	250'	0.59	147.50	0.52	130.00	0.60	150.00	0.57	142.50	29.80	25.35
6"	100'	0.98	98.00	0.93	93.00	1.26	126.00	1.18	118.00	60.60	54.50
8"	20'	2.55	51.00	2.35	47.00					96.20	88.80
10"	20'	4.88	97.60	4.65	93.00					127.40	118.30
12"	20'	5.35	107.00	5.15	103.00					133.70	124.00

## CORRUGATED DRAIN TILE CAPS & CONNECTORS

\*CORR

EXTERNAL SIZE	INTERNAL COUPLER	"Y" COUPLER	"Y" CONNECTOR	"T" CONNECTOR	DOWNPOUT CONNECTOR	90 DEGREE	CAP	REDUCER	25+ PIECES
					Type A Type B				
4"	2.05	3.15	6.80	5.70	4.25 / 3.90	5.15	2.85	3.90	-9%
6"	4.31	5.60	13.60	12.15	11.70	12.80	5.72	6.65	-9%
8"	5.65	7.70	51.35	21.30		22.45	7.70	11.25	-9%
10"	8.15	11.15		34.32			15.46	13.60	-9%
12"	11.80	13.80		51.31			33.90	33.15	-9%



Landscape Direct  
(586) 752-4222  
www.landscapedirect.net

## CHANNEL DRAINS & BASINS

	Size	Price	12+	
Channel Drain Coupler or End Cap	4"	5.93	5.35	*CULVCHN4COUP
Channel Drain End Outlet	4"	7.16	5.80	*CULVCHNL4&OU
Channel Drain	4" x 10'	98.30	84.30	*CULVCHNL4X10
Channel Bottom Drains	4" x 2'	31.76	26.25	*CULVCHNL4XBTD
Basin Sump w/grate - custom	24" x 48"	362.82	315.10	*SUMP
Basin Lid	24"	95.79	81.40	*SUMP
Basin Sump w/grate - custom	18" x 36"	258.17	221.95	*SUMP18
Basin Lid	18"	72.45	61.50	*SUMPL1018
Basin Sump w/grate - Hvy. Traffic - Round	12" x 12"	120.75	96.60	*SUMP
Basin Sump w/grate - Lt. Traffic - Square	12" x 12"	42.62	39.90	*SUMP
Basin Sump w/grate - custom inlet	12" x 24"	136.85	110.40	*SUMP
Basin Sump w/grate - custom inlet	12" x 36"	161.00	135.70	*SUMP
Basin Sump w/grate - single inlet	8" x 18"	42.45	33.90	*SUMP
Basin Sump w/grate - single or dbl inlet	6" x 9"	16.90	15.50	*SUMP6
Basin Sump w/grate - custom outlet	6" x 18"	29.98	26.10	*SUMP
Basin Sump w/grate - custom outlet	6" x 30"	42.53	37.60	*SUMP
Basin Sump w/grate & Plug - Square	9" x 9"	37.90	36.40	*SUMP9x9
Basin Inlet cover for 9" Square	6" dia.	4.10	3.90	*SUMPPUG9x6
Basin Outlet Plug for 6"	4 x 3"	5.30	5.15	*SUMPADAP9x4
Popup green emitter - PVC Elbow	4"	15.90	15.40	*SUMPOP
Green or black Grate	6"	7.90	6.20	*SUMPGRATE6
Animal Guard zinc for Corrugated Tile	4"	10.79	9.28	*CORRGUARD4
Animal Guard zinc for Corrugated Tile	6"	12.29	10.78	*CORRGUARD6
Sump Pit w/ Locking Lid	18 x 24"	45.05	35.00	*SUMPPIT18x24
Sump Pit w/ Locking Lid	18 x 30"	55.30	45.10	*SUMPPIT18x36
Septic Sump Riser Corrugated 24" Dual wall	24" dia.	24.89	22.90	*CORR24DUAL
Septic Sump Riser 24" Lid Green	24" dia.	68.90	65.90	*SUMPGRATE2

## PVC PIPE

	Size	Length	Price	12+	
PVC Schedule 40	3"	10'	10.55	9.85	*PVC30040
PVC Schedule 40	4"	10'	15.98	15.15	*PVC40040
PVC S&D Solid Perf (sewer & drain)	4"	10'	9.60	9.15	*PVC400SD
PVC S&D Solid (sewer & drain)	4"	10'	9.60	9.15	*PVC400SDP
PVC Schedule 40	6"	10'	42.80	38.85	*PVC600SD
PVC 160# Irrigation	1/2"	20'	p/ ft. 0.16	0.13	*PVC050
PVC 160# "	3/4"	20'	p/ ft. 0.29	0.25	*PVC075
PVC 160# "	1"	20'	p/ ft. 0.33	0.30	*PVC100
PVC 160# "	1.25" or 1.5"	20'	p/ ft. 0.47	0.44	*PVC150
PVC 160# "	2"	20'	p/ ft. 0.61	0.58	*PVC200160
PVC Schedule 40 Adapter Std			6.94		*pvcconadap4

# SEED & SUPPLY

LANDSCAPE DIRECT 586-752-4222

Grass Seed		50 #	25 #	5 #	6+ 50 #	6+ 25 #	6+ 5 #
<b>Sunny Mix</b>	HGSEEDSUN	139.19	77.69	16.89	129.40	71.05	15.65
30% KY. Bluegrass / 20% Elite Barron & Newport Bluegrass * 25% Red Fescue * 25% Per. Rye.							
<b>Shady Mix</b>	HGSEEDSHAD	147.50	75.94	16.79	136.05	70.65	15.45
35% Cr. Red Fescue * 35% Pennlawn Red Fescue * 20% Per. Rye.							
<b>3-3-3 Mix</b>	HGSEED333	130.69	70.69	16.34	120.15	65.20	15.15
33% Ky Bluegrass 98/80 * 33% Cr. Red Fescue * 33% Turf Type Per. Rye.							
<b>Rhino Class 'A'</b>	HGSEEDRHCLA	130.59	69.95	15.29	119.95	64.45	14.05
30% Ky. Bluegrass 98/80 * 40% Per. Rye * 30% Cr. Red Fescue							
<b>Econo Mix</b>	HGSEEDECO	95.24	51.09	12.25	87.10	46.75	11.35
10% Kentucky Bluegrass * 30% Annual Rye * 30% Per Rye * 30% Cr. Red Fescue							
<b>MDOT Roadside A</b>	HGSEEDHWYROAD	124.15	65.59	15.15	114.05	60.60	14.15
50% Perennial Ryegrass * 35% Cr. Red Fescue * 15% Ky. Bluegrass							
<b>SELECT LAWN PREM. MIX</b>	HGSEEDSELECT	173.04	90.27	19.40	145.35	75.82	16.29
60% Elite Bluegrass ( 4 types ) * 25% Per. Ryegrass * 15% Red Fescue							

Our Seed has "ELITE DESIGNATION" ●No Intermediate Seasonal Filler ●Fine Leaf Texture  
 ●Excellent Density ●Resistance to Major Diseases ●Drk. Green Color ●Compatibility

	<b>HOW MUCH SEED DO I NEED ?</b>	
	Square Foot divided by 125 = Pounds Required	
	<b>WHEN SHOULD I FERTILIZE ?</b>	
	Every 4 weeks weather permitting. Use slow release. Use 19-19-19 when Seeding, then 16-0-8 w/ 40% scu	
	<b>SHOULD I AERATE ?</b>	
	April - July - & Especially October	

STRAW BLANKET & BAILS		Req. Staples	Ship Wt.	Each	6+	
Straw Blanket w/ Stakes	4' x 50' = 200 sf	25	13 #	15.95	14.40	-----
Straw Blanket	4' x 112.5' = 450 sf	50	28 #	25.40	22.75	----- *STRBLK4X50
Straw Blanket	8' x 112.5 = 900 sf	100	56 #	35.50	29.90	----- *STRBLK4X112
Straw Blanket	6.6 x 108 = 713 sf	80	44 #	31.50	24.90	----- *STRBLK8X112
<b>**Note: Use 1 staple per every 9 sf</b>						
Staple Straw (pack)	6x 1x 6	25 Pack		4.50	4.10	-----
Staple Straw (ea.)	6x 1x 6	Each		0.21	0.18	----- *STAKESTP25
Staple Straw (box)	6x 1x 6	1000 p/box	38 #	86.60	74.00	----- *STAKEST
Lawn Patch 11#	Combo Mulch/ Seed/ Fert./ Tacki	cov - 200 sf	11 #	13.99	13.35	----- *STAKSTBOX
<b>E-Z Straw Bale 30#</b>	w/ tacifier, wrapped	cov - 500 sf	30 #	9.85	9.15	----- *STRCOMBO11
E-Z Straw Bedding 30#	n/ tackifier, wrapped	cov - 500 sf	30 #	6.85	6.35	----- *STRAMULB30
Straw Bale 55 # Standard	Not Wrapped	cov - 525 sf	60 #	4.30	4.10	----- *STRAPETBED
						----- *STRAW
E-Z Wildflowers Straw Combo	25 Blended Varieties	cov - 200 sf	11#	17.79	15.95	----- *STRAWILD

SILT FENCE						
24" x 100'	w / 11 Posts	MDOT	22 lb	24.95	21.40	-----
36" x 100'	w / 11 Posts	MDOT	32 lb	30.60	27.50	----- *FABFENCE24
4' x 50'	ORANGE FENCING			27.50	26.00	----- *FABFENCE36
24" x 100'	w / 6' Spacing			26.95	23.80	----- *HGFENOR4X50

WOOD STAKES		Each	24+	TREE ANCHOR		Each	24+	DRIVER	RENTAL
36"	*STAK36	1.75	1.40	# 3C	1.5 - 3"	3.85	3.35	19.60	6.00
48"	*STAK48	2.00	1.65	# 5C	3.5 - 5"	5.30	4.40	20.60	6.00
60"	*STAK60	2.25	1.90	# 10C	5 - 7"	8.25	7.50	26.80	6.00
72"	*STAK72	2.45	2.15						
84"	*STAK84	2.69	2.36						
								<b>DRIVER RENT DEPOSIT \$20.00</b>	

STEEL STAKES			
6' or 7'		8.30	7.85
			*STAKESTEEL

Transformers			Price	4+	
<b>In-Light</b>	<b>56 Watt</b>	Timer & Photo Eye included	64.79	60.35	HGTRANS56
<b>In-Light</b>	<b>108 Watt</b>	Timer & Photo Eye included	78.45	70.30	HGTRANS108
<b>Malibu</b>	<b>121 Watt</b>	Timer included	63.00	56.15	HGTRANS1213H
<b>In-Light</b>	<b>250 Watt</b>	Timer & Photo Eye included	147.95	141.10	HGTRANS250
<b>Advantage</b>	<b>300 Watt</b>	Multi - Tap 12v - 15v ( optional timer & photo )	238.95	206.45	HGTRANS300
<b>Advantage</b>	<b>600 Watt</b>	Multi - Tap 12v - 15v ( optional timer & photo )	388.49	362.80	HGTRANS600
<b>Advantage</b>	<b>900 Watt</b>	Multi - Tap 12v - 15v ( optional timer & photo )	607.90	569.49	HGTRANS900
<b>Timer</b>	<b>Plug In</b>	Intermatic heavy duty 120 v Dial	11.92	11.25	HGTRANSTIME
<b>Photo Cell</b>		Auto On / Off Dusk to Dawn	39.80	32.40	HGTRANSPHOT
<b>Power Control Center</b>		Dual 115 v & 12 v /150 watt trans. w/ 15' cord	124.30	119.85	AQPOWCONCT



Outdoor 12v Low Voltage	Usage	Item	Price	12+	
Lily Pad, set of 3	Floating	LILY	39.99	23.99	AQLILPAD
75 watt w/ 4 color Lens Bright	Underwater	L75 #EPL75	133.28	104.89	AQLT75WLENS
Light Ring Led 20w 30' Cord	Underwater	LED 20 RING	49.80	41.75	AQLTLED20RING
Rock's Mini w/ Trans, Wire, 6 con. block	3 Pack LED	LED 3w	138.95	116.50	AQLTROCKLED3
Rock's 2 pk. 15' cords	2 Pack LED	LED 2w	59.39	44.50	AQLTROCKLED2W
Led 48 Diode White Light 15' Cord	Underwater	LED 48w	67.95	55.05	AQLTLED48W
Easy Pro Light w/ Lens 20w	Underwater	L20 #EPL20	76.39	62.06	AQLTLENSEPL20
Easy Pro 2 Lights w/ Transformer	Underwater	LK2 #EPLK2	168.20	147.85	AQLTKITEPLK2
Solar Led Light & Panel - 20' Cord	Solar	SOL1	119.25	107.85	AQLTSOLARSOL1
Spot 10w Halogen 3.5" Dia	Spot	ASL-1A	32.00	28.70	HG3HLTASL1A
Spot 10w Halogen 5"	Spot	ASL-2	32.00	28.70	HG3HLTASL2
Path 12w 12" height	Path	ACL-1T	28.80	26.00	HG3HLTACL1T
Path 12w 12" height	Path	ACL-2T	28.80	26.00	HG3HLTACL2T
Path 10w 14.5" height	Path	AML-11	28.80	26.00	H3HLTAML11
Canopy 16" Bed / Walk Stainless 10w	Path	LT007	31.99	25.60	HG3HLT007
Mushroom 5" Path 15" Stem Blk or Brnz	Path	PMU050-TB-15	51.25	42.40	HGSOLTMUS
Single Hat 7.5" Path 18" Stem Blk or Brnz	Path	PSH075-TB-18	51.25	42.40	HGSOLTSIN
Modern Bullet Solos 6.2" Blk	Spot	BMB062-TB	41.90	33.95	HGSOLBUL
ET Wall Washer Brass Advantage - T3	Sign - Wall	ADV-FL-113B-T3	71.19	58.80	HGADLTWA
Flood Solos Blk. 50w 6" Max	Tree - Flood	FRF058-T3	56.99	47.25	HGSOLTFLO
Well Lite ( req. Par 36 bulb - Not Incl. )	In-Ground / Up	ADV-1G-300P-	32.79	28.80	HGADLTWE
Hanging Pendent Petite Flores Brass	Tree - Overhang	ADV-H-11B	65.79	54.45	HGADL
Dot Recessed -Flush mount- Down 4 pk.	Pavers	RDL4	54.79	49.10	HGLTRECCDL3
Dot Paver / Deck mount Down 4 pk	Deck	DEKDOT4	54.79	49.10	HGLTPADDEKDOT4
Dot Step 30 deg. w/ Timer & Trans 8 pk.	Steps - Wall	RSLKIT	174.10	162.60	HGLTSTAIRPK8
Dot Step 30 deg. Down 4 pk.	Steps - Wall	RSL4	54.79	49.10	HGLTSTAIR4


**EPL75**

**LED2W**

Bulbs	*NTSPBULBS	Incandescent	Price	10+	LED 1 or 2w	10+	
LN-T3	Halogen Bulb (All Wattages)	4.20	3.80	24.29	22.10		<b>T3 / T4</b>
LN-T4	Halogen Bulb (All Wattages)	4.20	3.80	NA			
MR-8	Tungsten Halogen- 2 Pin - 1"	5.40	4.90	NA			<b>MR's</b>
MR-11	Tungsten Halogen- 2 Pin - 1-3/8"	5.10	4.60	NA			
MR-16	Tungsten Halogen- 2 Pin - 2"	4.90	4.40	25.29	23.10		
PAR-36	4414 18w or 4411 35w standard	16.45	14.90	58.80	56.30		<b>Par-36</b>
PAR-36	4406 - 35 Watt (wide) 50' x 30' Beam	24.55	22.60				
PAR-36	H-7606 50 Watt (wide) 50' x 30'	24.55	22.60				
BAB #89	Bayonet SC Base - 7 Watt or 13 Watt	1.60	1.35				<b>Bayonet</b>
SLKB20	20W Replacement - Little Giant	8.55	7.89				
WEDGE	Wedge Base 6w - 10w	1.40	1.30				
RR319TS	Ceramic Socket Rplc. for T3/ T4 & MR -	10.82	10.40				<b>H-7606</b>

**LED Output**  
1w=10w  
2w=20w



Low Voltage Cable	Guage - Wires	*WIRE	Price	Roll	Brick Paver Embedded	Price	12+
16 - 2	Max run 100' from trans, Dbl.home run		.47	.42	Kit Base- Lens- Bulb- Wire	12.99	12.15
14 - 2	Max run 150' " " " " "		.59	.54	Bulb 10 Watt	1.80	1.55
12 - 2	Max run 200' " " " " "		.68	.63	Lens Soft White or Ivory	4.40	4.20
10 - 2	Max run 240' " " " " "		1.04	.98	Drilled Brick Paver (4 Min.)	27.00	24.50
8 - 2	Max run 270' " " " " "		1.48	1.43	Drilled Wall Stone (4 Min.)	36.00	32.00

**Landscape Direct - DELIVERY AND PLANTING CHARGES April 2018**

**Area:** Base 28 to 33 Mile, Woolcott to Mound  
 #1 = 24 to 34 Mile, North Ave. to Dequindre  
 #2 = 19 to Dryden, North Ave. to Rochester ● #3 Flat = Gunn to Avon, Rochester to Adams  
 #3 = Flat charge + per mile ( Ea. Way ) \$1.15 for "MD" \$ 1.55 "HD"

**Bulk Material: "MD" Single Axle**

Base	40.	35.	2nd Load
#1	45.	40.	"
#2	55.	50.	"
#3	70.	65.	+ / mile

**Contract "MD" Single Axle**

Base	40.	+ 15.	Strapped Mat.
#1	40.	" "	
#2	50.	" "	
#3	65.	" "	+ / mile

**Bulk Material: "HD" Semi 's**

Base	60.	2nd load
#1	65.	60.
#2	85.	80.
#3	110.	105. + / mile

**Contract "HD" Semi 's**

Base	55.	+ 20.	Strapped Mat.
#1	60.	" "	
#2	80.	" "	
#3	105.	" "	+ / mile

**Minimum**  
 3 Yd. MD  
 7 Yd. HD  
 or add 15.  
 Area 1 - 3

**\*\*\*\*\* TRAILER attached for SPLIT LOAD DELIVERY, ADD 35.00 ea. \*\*\*\*\***

**Tree Deliver:** + 90.00 additional if Loader is Required Or + 55.00 for Spider

	<u>First Tree</u>		<u>Additional 2+</u>
#1	50.	Container, 3/4"- 1-3/4" cal. or evergreen 0-4'	17. ea.
#1	65.	2"-2.5" deciduous or evergreen 5'-7'	28. ea.
#1	90.	3."- 4" cal. deciduous or evergreen 8-11'	33. ea.
#2	60.	Container, 3/4"- 1-3/4" cal. or evergreen 0-4'	17. ea.
#2	80.	2"-2.5" deciduous or evergreen 5'-7'	30. ea.
#2	130.	3"- 4" cal. deciduous or evergreen 8-11'	45. ea.
#3	65.	Container, 3/4"- 1-3/4" cal. or evergreen 0-4'	17. ea.
#3	85.	2"-2.5" deciduous or evergreen 5'-7'	30. ea.
#3	135.	3"- 4" cal. deciduous or evergreen 8-11'	45. ea.



**Shrub Deliver:** Area # Price above, plus 1.50 p/ shrub or .50 per perennial < Less 50% over 30 pc.

**Plant First Deciduous Tree by Caliper :** Each + Sod Cut + Hand dig + Cart + 3 Stakes

0 - 1.5"	60.	Additional >	20.	Incl	Incl.	Incl.	32.5
1.75 - 2.25"	105.	"	45.	Incl	20.	Incl.	36.5
2.5" - 3.5"	120.	"	60.	Incl	35.	25.	37.5
4" - 5"	170.	"	115.	Incl	55.	N/A	39.5
5.5" - 7"	240.	"	145.	Incl	85.	N/A	42.5

**Plant First Evergreen by Height :**

0 - 4'	60.	Additional >	35.	Incl	20.	30.	33.5
5 - 8'	115.	"	60.	Incl	30.	35.	36.5
9 - 10'	135.	"	85.	Incl	35.	N/A	39.5
11 - 14'	190.	"	155.	Incl	55.	N/A	43.5

**Plant Shrub :** \*\* See Minimum

15" or smaller ball	30.	Additional >	14.	N/A	----		<b>3 stakes &amp; rope Incl.</b>
10 gal. or smaller	36.	"	20.	N/A	----		

**Plant Perennial :** \*\* See Minimum

4.	N/A	----
----	-----	------

**Ball cart Rental -** 10. Half day, 15. Full day

- On site Tree Ball Removal - Planted 5 yrs or less \$ 30 - 40.00 ( with skid loader , Backhoe Addit. )
- Hand unloading of Palletized Material ( Brick, Flag, Wall Stone ) is additional 22.00 each pallet .
- Planting charge **DOES NOT** include Delivery of Mulch or Soil. Dirt Haul away, Fabric or Stone work.
- \*\* Minimum planting charge is \$55.00 + delivery ( + 90. additional if Loader hauling is required )
- Down-Time on deliveries exceeding 20 minutes incurs a surcharge of 20.00 p/ 15 minuets



## FORMULA REFERENCE SHEET

### Groundcover / Perennial

#### General Spacing on Center & Quantity

SQ.FT.	2"	3"	4"	5"	6"	8"	10"
25	900	400	225	150	100	50	37
50	1800	800	450	300	200	100	75
100	3600	1600	900	600	400	225	150
110	3900	1750	1000	650	450	250	160
120	4300	1900	1100	700	500	275	170
130	4600	2100	1150	750	525	300	190
140	5000	2250	1250	800	550	325	200
150	5400	2400	1350	850	600	350	220

Type of Ground Cover	Suggested Spacing
Hedera Helix and varieties.....	8 in. on center
Juniperus horizontalis & varieties.....	18 in. on center
Vinca minor and varieties.....	8 in. on center

### TREE SPACING

Type of Tree	Suggested minimum Spacing
Small flowering & minor shade trees.....	20 ft. apart
Medium sized shade.....	25-30 ft. apart
Columnar shade trees.....	12 ft. apart
Major shade trees.....	40 to 60 ft. apart
Screening trees.....	5-6 ft. apart
Evergreens.....	16 ft apart

### HEDGE PLANTING SPACING

Type of Hedge	Suggested Spacing
Barberry type.....	18 in. apart
Boxwood or Cotoneaster type.....	24 in. apart
Holly or Yew type .....	30 in. apart
Burning bush type .....	36 in. apart
Deciduous woody type .....	36 in. apart
Arborvitae or Juniper uprights .....	42 in. apart

#### Plant Care Rule of Thumb:

Don't Till - within 1' p/ Caliber Inch  
 Move Shock - is 1 year p/ Caliber Inch

### B&B BALL SIZE & WEIGHT

Shrub Size	Ball	Weight Lbs.
2' high	11" x 10"	40 lbs.
3' high	13" x 11"	60 lbs.
4' high	15" x 12"	90 lbs.
5' high	16" x 13"	115 lbs.
6' high	18" x 14"	160 lbs.
7' high	20" x 15"	215 lbs.
8' high	24" x 16"	300 lbs.

Tree Size	Ball	Weight Lbs.
2" cal.	24" x 18"	360 lbs.
3" cal.	33" x 22"	880 lbs.
4" cal.	40" x 26"	1700 lbs.

### BOULDER ESTIMATED WEIGHT & QTY.

SIZE	#	SIZE	#
12"	55	30"	830
15"	110	42"	1725
18"	280	48"	2565
24"	450	54"	3400

9 - 12" in a 1 Yard Bucket = \*1925# w/ 35 Pieces  
 13 - 16" in a 1 Yard Bucket = \*2250# w/ 15 Pieces

### Boulders p/ Ton coverage face ft.:

1 - 2' 17.... 2'+ 13.... 3'+ 9.... 4'+ 6....  
 50 Ton Load of 3-4' Boulders Cover 200 Face Ft.  
 50 Ton Load of 2-3' Boulders Cover 240 Face Ft.  
 50 Ton Load of 1-2' Boulders Cover 360 Face Ft.

### Flagstone Walk @ 1 Ton:

1.5 - 2" Cover 135 sf / 2.5 - 3" Cover 85 sf

### Drywallstone covers @ 1 Ton:

35 face foot ( 4" H x 8" D x Random )

### Wallstack / Drywall Stone p/ Ton:

18 fcft ( 6 - 8" H x 12" Depth x Random )

### Estimate # of Ledge Rock: ( Per Face Feet )

Length x Width x Depth (all inches to feet) x 169  
 Example: 12" x 36" x 24" x 169 = 1752 #

### Limstone / Wallstone:

9 - 12" thick x 2' depth 6 - 8 fcft p / Ton Coverage

### BAGGED MULCH to Equal 1 Yard Coverage

( 13 ) 2 cu.ft. Bags will Cover 160 sf @ 2" Depth  
 ( 9 ) 3 cu.ft. Bags will Cover 160 sf @ 2" Depth  
 Example:  
 There are 27 cu.ft. in 1 yard of material -  
 3 cu.ft. bag of cypress x 9 bags = 1 yard

### BAGGED MULCH SF Coverage @ Depth's

Yard	Bags	1"	2"	4"
.5	= 7	160	80	40
1	= 14	320	160	80
2	= 27	640	320	160

Above is 2 cu.ft. Coverage ( SF div. 12 = 2" D )

### BAGGED MULCH SF Coverage @ Depth's

Yard	Bags	1"	2"	4"
.5	= 4.5	160	80	40
1	= 9	320	160	80
2	= 18	640	320	160

Above is 3 cu.ft. Coverage ( SF div. 18 = 2" D )

## REMINDER's & TERMS of SALE

- Throughout catalog, & Formula Sheets, Square or Face Footage & Yardage Coverage numbers are estimates only.
- No Returns on Special Orders / Broken Pieces / Cut Bands / restacked Pallets.
- Special Orders must be paid in full & are not - returnable, exchangeable or refundable.
- Pallets must be returned by Nov. 15th of Same Year purchased, for refund.
- Delivery & unloading - Customer is responsible for any damage to Cement, Turf & surrounding Structures.
- All bulk and plant material loads must be tarped.
- No Cash Refunds, Store Credit Only.

**— AQUATICS —**

Granular Cutrine 30# Bag Treats 1/2 Acre Surface area or 21,780 sf .

Electric costs: Amps x Volts (115 or 230) = Watts x Hrs. per day of operation divide by 1000 x cost per kilowatt hour (normally .10 cents) = cost per day to run your pump or nightscape transformer.

GPM pump size: Water thickness of 1 inch depth over a falls that is 12 inches wide requires a 30 GPM pump  
All pumps are rated in feet of head, which is measured from the surface of the pond to the top of the discharge.

Gallons of water in your pond: Length x width x avg. depth x 7.5 = gallons

Wire Rule of Thumb: 15 amp Service @ 140' Run 14 gauge, 20 amp @ 200' 12 g. , 400' length with 10 g., and etc.....

**POLY PIPE – MAX FLOW**

1/2"	5 GPM
3/4"	10 GPM
1"	18 GPM
1-1/4"	35 GPM
1-1/2"	52 GPM
2"	80 GPM
2-1/2"	115 GPM
3"	130 GPM
4"	210 GPM

**PVC PIPE - MAX FLOW**

1/2"	8 GPM
3/4"	15 GPM
1"	25 GPM
1-1/4"	45 GPM
1-1/2"	60 GPM
2"	90 GPM
2-1/2"	160 GPM
3"	225 GPM
4"	350 GPM

**Pipe Sizing:** - 50' Length & 15' Elevation above Surface

**Irrigation:**

To convert Feet of Head to PSI multiply Head by .433

**Concrete Examples:**

- Apron 36 x 26 = 936 sf (divided by ) 75 = 13 yd's
- Walk 5 x 5 = 25 sf x .67 ( 80# Bag ) = 17 Bags
- 1 Shovel of Portland Cement P/ 80# Bag

**Handicap Ramp:**

1' rise to 20' length code varies by area.

**SOD Old Size** ( 1.5 x 5' ) Covers 7.5 sf

1 PC of Sod = .83 Yd

**SOD New Size** ( 2' x 5' ) Covers 10 sf

1 PC of Sod = 1.1 Yd

L x W ( divide by 9 ) = Yardage of Sod Required

**FIRE WOOD**

Face Cord 1.5 X 4 X 8'

Full Cord 4 X 4 X 8'

3 1 YD. Buckets Heaped = 1 Face Cord

2 Back Hoe Buckets = 1 Face Cord

**LENGTH EQUIVALENTS**

Foot	12 inches or 1/3 yd.
Yard	36 inches or 3 ft.
Mile (statute)	5,280 ft. or 7,760 yards
Mile (nautical)	6,076 ft. or 2,205 yds.
Millimeter	Div. by 25.4 = Inches
27 Cu Ft = 3 Cu Yd	

**GEOGRAPHIC AREA**

Acre	4,840 sq. yds.	4.047 sq. meters
Acre	43,560 sq. ft.	4,047 sq. meters

**LINEAR**

1 rod = 5.5 yard	1 rod = 16.5 feet
320 rods = 1 mile	1 mile = 5,280 ft.

**WEIGHT EQUIVALENTS**

Ton (short)	2,000 pounds	907.18 kilograms
Ton (long)	2,240 pounds	1.016.0 kilograms

**VOLUME / LIQUID EQUIVALENTS**

Ounce	1/16 pint	29.574 milliliters
Gill	4 ounces	0.1183 liter
Pint	16 ounces	0.4732 liter
Quart	2 pints or 1/4 gal.	0.9463 liters
Gallon	128 ounces or 8 pints	3.7854 liters
16 fluid ounces = 2 cups		
2 cups = 1 pint		
32 fluid ounces = 1 quart		
4 cups = 1 quart		
128 fluid ounces = 16 cups		
128 fluid ounces = 1 gal.		
8 pints = 4 quarts		

**VOLUME AND WEIGHT**

27 cu. ft. = 1 cu. yd.
1 ton = 2,000 pounds
1 kg. = 2.2 pounds
16 ounces = 1 pound



# FORMULA REFERENCE SHEET

**CONVERSION CHARTS**

<b>Fluid</b>	<b>AREA</b>	<b>Multiply</b>	<b>Times</b>	<b>To Obtain</b>
1/6 fluid ounce = 1 teaspoon	9 sq. ft. = 1 sq. yard	Diameter of circle	3.1416	Circumference (linear feet)
2 fluid ounce = 1 tablespoon	4,840 sq. yd. = 1 acre	Diam. of circle <sup>2</sup>	0.7854 / 9	Area in square yards
1 tablespoon = 3 teaspoons	640 acres = 1 sq. mile	Diam. of circle <sup>2</sup>	0.7854	Area in square feet
1 fluid ounce = 2 tablespoons	43560 sf = 1 acre	Radius of circle <sup>2</sup>	3.1416	Area in square feet
33.4 ounces = 1 liter		US gallon	0.1337	Cubic feet
30 mill.=1 ounce		US gallon	8.33	Lbs. of water
8 fluid ounces = 1 cup		Cubic feet	62.427	Lbs. of water
<b>AREA</b>	<b>Multiply</b>	<b>Times</b>	<b>To Obtain</b>	
9 sq. ft. = 1 sq. yard	Diameter of circle	3.1416	Circumference (linear feet)	
4,840 sq. yd. = 1 acre	Diam. of circle <sup>2</sup>	0.7854 / 9	Area in square yards	
640 acres = 1 sq. mile	Diam. of circle <sup>2</sup>	0.7854	Area in square feet	
43560 sf = 1 acre	Radius of circle <sup>2</sup>	3.1416	Area in square feet	