	ITEM	UNIT	QUANT	PRICE	AMOUNT
	Hamilton Commons				
	695 - 697 Hamilton Street				
	Franklin Township, New Jersey				
	Prepared: 2/2/2018				
	Walsh Estimating Job No. 217506				

This takeoff has been prepared by *Walsh Estimating Service*, a division of Maracorp International:

Although we have been careful to assure that all items are correct, we make no guarantee beyond the cost of our work. The contractor has the final responsibility for completeness and accuracy in the preparation of his bid.

By acceptance of this takeoff, the purchaser agrees to the following statement:

"I do hereby release and hold harmless Walsh Estimating Service, Maracorp International, Ed Walsh, and his employees from any and all errors and omissions beyond the invoiced value of services rendered."

	NOTES:				
	1. Specifications have not been reviewed.				
	2. Pavement and Landscape areas from earthwork are not to be used for exact quantities				
	(e.g. curbed islands and sidewalks are included within pavement/landscape surface areas)				
	3. Earthwork File Name(s): 7506 Hamilton Commons (Sect A1-A3)				
	4. Length/Area File Name(s): 217506 Hamilton Commons.ps				
	5. Addendum included - None				
GC.	**GENERAL CONDITIONS**				
	Bonding and Insurance	LS	1		
	Mobilization / Demobilization	LS	1		
	Surveys, Stake Out and Bench Marks	LS	1		
	Site Safety and Security	LS	1		
	Traffic Control Measures	LS	1		
	Site Cleanliness and Debris removal	LS	1		
	Other Conditions	LS	1		
	Î	Î			
Subtotal					

	ITEM	UNIT	QUANT	PRICE	AMOUNT
I.	**EROSION AND SEDIMENT CONTROL**				
	Construction Entrance Pad, 12" thick	CY	56		
	Filter Fabric for construction entrance pad	SY	167		
	Inlet Filters, stone filled geotube	EA	3		
	Silt Fence, 24" high	LF	1,367		
	Haybales	LF	46		
	Î	Î			
Subtotal					
II.	**SITE CLEARING AND DEMOLITION**				
	Clear, Grub and Dispose Trees and Stumps	AC	0.31		
	Clear, Grub and Dispose Individual Trees and Stumps, not within mass clearing area	EA	11		
	Remove Hedgerow	LF	210		
	Remove One Story Brick Building	SF	1,989		
	Remove Building Canopy	SF	463		
	Saw Cut Street Pavement	LF	202		
	Remove Concrete Curb	LF	1,123		
	Remove Concrete Curb in Municipal / County R.O.W.	LF	234		
	Remove Concrete Sidewalk	SF	2,492		
	Remove Concrete Driveway Apron	SF	192		
	Remove Dumpster Pad	SF	47		
	Remove Site Pavement	SY	2,664		
	Remove Pavement in Municipal / County R.O.W.	SY	94		
	Remove _' Chain Link Fence	LF	381		
	Remove Street Light	EA	2		
	Obliterate Parallel Parking Spaces along County Route 514	LF	112		
	Remove Bench ***NOTE:*** *Save for relocation.*	EA	1		
	Î	Î			
Subtotal					

	ITEM	UNIT	QUANT	PRICE	AMOUNT
III.	**EXCAVATION (All volumes are "Raw" -- no assumptions for swell or compaction)**				
	DISTURBANCE AREA	SF	93,194		
	Disturbance Area, Acres	Acre	2.14		
	Î	Î			
	Strip Topsoil, 6" thick	BCY	1,198		
	*********				
	SUBGRADE ASSUMPTIONS:				
	Landscape Areas	*0.50'*			
	Pavement Areas	*0.88'*			
	Concrete Pad Areas	*1.00'*			
	Sidewalk Areas	*0.67'& 1.08'*			
	Building Areas	*elev. 87.97'*			
	*********				
	EARTH CUT:				
"Rev'd"	Building Area with 4' clearance and 2H:1V slopes where possible and variable other areas, including shoring along street	BCY	6,153		
"Rev'd"	Landscape Areas	BCY	6		
"Rev'd"	Pavement Areas	BCY	73		
"Rev'd"	Concrete Pad Areas	BCY	16		
"Rev'd"	Sidewalk Areas	BCY	32		
"Rev'd"	Building Areas ***NOTE:*** *Shoring may be required along entire east and partial south walls.*	BCY	2		
"Rev'd"	**TOTAL EARTH CUT =**	**BCY**	**6,282**		
"Rev'd"	**ROCK CUT:**				
"Rev'd"	Building Area with 4' clearance and 2H:1V slopes where possible and variable other areas, including shoring along street	BCY	3,822		
"Rev'd"	**TOTAL ROCK CUT =**	**BCY**	**3,822**		

	ITEM	UNIT	QUANT	PRICE	AMOUNT
	UNCLASSIFIED FILL:				
	Landscape Areas ***NOTE:*** *650 +/- cy of the fill is basement backfill.*	BCY	1,180		
	Pavement Areas ***NOTE:*** *250 +/- cy of the fill is basement backfill.*	BCY	2,265		
	Concrete Pad Areas	BCY	72		
	Sidewalk Areas ***NOTE:*** *1,850 +/- cy of the fill is basement backfill.*	BCY	2,192		
	Building Areas	BCY	706		
	TOTAL FILL =	**BCY**	**6,415**		
	*********				
	UNCLASSIFIED EXCESS (BORROW) =	**BCY**	**3,689**		
	*********				
	OVERALL UNCLASSIFIED SUMMARY:				
	Unclassified Excess (Borrow)	*BCY*	3,689		
"Rev'd"	*Footing and Wall Excavation Excess*	*BCY*	541		
	Pipe Trench Excess	*BCY*	540		
"Rev'd"	***TOTAL EXCESS (BORROW) =***	***BCY***	**4,770**		
	Î	Î			
	Î	Î			
	TOPSOIL SUMMARY:				
	Strip Volume	BCY	1,198		
	Required Volume, 6" thick	BCY	195		
	EXCESS (BORROW) TOPSOIL =	**BCY**	**1,003**		
	Î	Î			
Subtotal					
III-1.	**ROCK BLASTING (AND REMOVAL) - If Required (Unit Price)**				
	Pre Blast Survey	LS	1		
	Seismic Monitoring	LS	1		
	Mass Rock Blasting	BCY	3,822		
	Trench Rock Blasting (0'-6' deep)	LF			
	Trench Rock Blasting (6'-9' deep)	LF			
	Trench Rock Blasting (9'-12' deep)	LF			
	Î	Î			
Subtotal					

	ITEM	UNIT	QUANT	PRICE	AMOUNT
IV.	**GRADING AREAS**				
Important	***NOTE:*** *Pavement and Landscape areas from earth printout are not to be used for exact quantities*				
	(e.g. curbed islands and sidewalks are usually included within pavement/landscape surface areas)				
	Grading Areas				
	Building Area with 4' clearance and 2H:1V slopes where possible and variable other areas, including shoring along street	SY	3,180		
	adjust for overlap area	*SY*	*(3,180)*		
	Landscape Areas	SY	1,148		
	Pavement Areas	SY	4,784		
	Concrete Pad Areas	SY	147		
	Sidewalk Areas	SY	1,427		
	Building Areas	SY	2,849		
	Total =	***SY***	***10,355***		
	check	*SY*	*10,355*		
	Î	Î			
Subtotal					
V.	**TOPSOIL REDISTRIBUTION AREA**				
	Topsoil Redistribution	SY	1,170		
	Seed and Mulch	SY	1,170		
	Î	Î			
Subtotal					
VI.	**BUILDING EXCAVATION**				
	Reference Information				
	Building Area (for topsoil redistribution reference)	SF	25,665		
"Rev'd"	**Stone Under Slab**				
"Rev'd"	Stone Under Basement Slab, 6" thick	SF	13,950		
"Rev'd"	Stone Under Slab on Grade, 6" thick	SF	10,325		
"Rev'd"	**Basement Column Footing Excavation and Backfill in Rock**				
"Rev'd"	Excavation	CY	480		
"Rev'd"	Backfill	CY	230		
"Rev'd"	Excess (See Mass Earthwork Overall Summary)	CY	250		

	ITEM	UNIT	QUANT	PRICE	AMOUNT
"Rev'd"	**Basement Continuous Footing Excavation and Backfill in Rock**				
"Rev'd"	Excavation	CY	47		
"Rev'd"	Backfill	CY	6		
"Rev'd"	Excess (See Mass Earthwork Overall Summary)	CY	41		
"Rev'd"	**Basement Elevator Pit Excavation and Backfill in Rock**				
"Rev'd"	Excavation	CY	70		
"Rev'd"	Backfill	CY	30		
"Rev'd"	Excess (See Mass Earthwork Overall Summary)	CY	40		
"Rev'd"	**Slab on Grade Column Footing Excavation and Backfill**				
"Rev'd"	Excavation	CY	350		
"Rev'd"	Backfill	CY	220		
"Rev'd"	Excess (See Mass Earthwork Overall Summary)	CY	130		
"Rev'd"	**Slab on Grade Continuous Footing Excavation and Backfill**				
"Rev'd"	Excavation	CY	240		
"Rev'd"	Backfill	CY	180		
"Rev'd"	Excess (See Mass Earthwork Overall Summary)	CY	60		
	Î	Î			
Subtotal					
VII.	**KEYSTONE RETAINING WALLS**				
	Wall length	LF	369		
	Excavation	CY	20		
	Backfill	CY			
	Excess (See Mass Earthwork Overall Summary)	CY	20		
	Face Area, 3.2' average height including 1' bury	SF	1,169		
	Geogrid	SY			
	Stone behind wall, 12" thick	CY	43		
	Drainage Pipe, _" dia.	LF	369		
	Î	Î			
Subtotal					

	ITEM	UNIT	QUANT	PRICE	AMOUNT
VIII.	**SANITARY SEWER**				
	Pipe Excavation and Bedding				
	Excavation	CY	80		
	Bedding, 6" thick and 12" cover	CY	20		
	Select Backfill	CY			
	Common Backfill, assume acceptable	CY	60		
	Excess (See Mass Earthwork Overall Summary)	CY	20		
	Service				
	24" x 24" x 8" Saddle Wye and Bend	EA	3		
"Rev'd"	8" PVC SDR 35 (8'-10' deep) ***NOTE:*** *Rock is approximately 5'-6' deep at this location.*	LF	56		
	Manhole (8'-10' deep)	EA	1		
	Î	Î			
Subtotal					
IX.	**WATER**				
	Pipe Excavation and Bedding				
	Excavation	CY	320		
	Bedding, assume 6" thick and 12" cover	CY	130		
	Select Backfill in existing pavement	CY	10		
	Common Backfill	CY	180		
	Excess (See Mass Earthwork Overall Summary)	CY	140		
	Pipe				
	4" DIP	LF	49		
	4" DIP in existing pavement	LF	20		
	6" DIP	LF	8		
	8" DIP	LF	539		
	8" DIP in existing pavement	LF	18		
	Total =	***LF***	***634***		
	pipe check		*634*		
	Fittings				
	8" 90 degree Bend	EA	1		
	8" x 8" x 8" Tee	EA	1		

	ITEM	UNIT	QUANT	PRICE	AMOUNT
	Valves				
	6" Gate Valve and Box	EA	1		
	8" Gate Valve and Box	EA	3		
	_" x _" x 4" Tapping Sleeve and Valve	EA	2		
	_" x _" x 8" Tapping Sleeve and Valve	EA	2		
	Wet Tap	EA	4		
	Hydrants				
	Fire Hydrants	EA	1		
	Testing and Sterilization				
	Flushing and Testing	LF	634		
	Chlorination	LF	634		
	Î	Î			
Subtotal					
X.	**STORM SYSTEM**				
	Pipe Excavation and Bedding				
	Excavation	CY	350		
	Bedding, assume 6" thick and 12" cover	CY	150		
	Select Backfill	CY			
	Common Backfill, assume acceptable	CY	180		
	Excess (See Mass Earthwork Overall Summary)	CY	170		
	Fittings				
	8" Downspout Assembly including vertical bend, riser and adapter	EA	2		
	8" Cleanout Assembly in pavement	EA	4		
	10" Cleanout Assembly in pavement	EA	1		
	Pipe				
"Rev'd"	8" ADS N-12 Roof Leader (4'-6' deep) ***NOTE:*** *Rock is approximately 4'-5' deep at this location.*	LF	132		
"Rev'd"	10" ADS N-12 Roof Leader (4'-6' deep) ***NOTE:*** *Rock is approximately 4'-5' deep at this location.*	LF	77		
	15" RCP (0'-4' deep)	LF	254		
"Rev'd"	15" RCP (4'-6' deep) ***NOTE:*** *Probable rock at this location.*	LF	11		

	ITEM	UNIT	QUANT	PRICE	AMOUNT
"Rev'd"	15" RCP (6'-8' deep) ***NOTE:*** *Probable rock at this location.*	LF	100		
	Total =	***LF***	***574***		
	pipe check		*574*		
	Structures				
	Inlets, Type "B" (0'-4' deep)	EA	2		
	Inlets, Yard (0'-4' deep)	EA	1		
	Doghouse Manhole, 4' diameter (4'-6' deep) ***NOTE:*** *The Utility Plan calls for a manhole at the same location that an apparent dead end manhole exists. The Demolition Plan does not call for the existing manhole to be removed, so the new manhole may be shown in error. If the manhole does not need to be replaced, the rim will need to be raised 0.09'.*	EA	1		
	Doghouse Manhole over existing 24" RCP, 4' diameter (6'-8' deep)	EA	1		
	Stormfilter, 6' x 12' x 6.5' +/- deep, by Contech ***NOTE:*** *The size and number of the Stormfilter Cartridges is not specified on the detail.*	EA	1		
	Total =	***EA***	***6***		
	structure check		*6*		
	Î	Î			
Subtotal					
XI.	**UNDERGROUND DETENTION BASIN**				
	NOTE: *The details for the underground detention basin are severely lacking in information. We assumed the bed size will be 125.67' x 46.25' x 5.3' (avg.) deep from top of pavement to bottom of stone bedding.*				
	Excavation	CY	1,141		
	Bedding, 3" thick, 24" wide at perimeter and 12" cover	CY	339		
	R-Tank Double Module, 28.15" long x 15.75" wide x 33.86" high ***NOTE:*** *0.32 CY per module.*	EA	1,670		
	Select Backfill	CY	268		
	Geotextile at top, bottom and sides of R-Tank array	SY	1,245		
	Geogrid, Tensar BX-1200 ***NOTE:*** *Over 12" cover stone.*	SY	646		

	ITEM	UNIT	QUANT	PRICE	AMOUNT
	Maintenance Port in pavement, 12" PVC SCH 40, 5.3' long with "V" notches cut in bottom, 1" diameter vent holes and 24" diameter frame and cover ***NOTE:*** *Concrete collar may be required in pavement areas.*	EA	4		
	Outlet Structure				
	Outlet Control Structure, 4'-0" (i.d.) x 8'-6" (i.d.) x 4.6' high, complete with internal weir wall containing a 3.5" diameter orifice, a 4" x 24" orifice and a 3' wide weir. Structure is equipped with (2) extensions to grade with manhole frames and covers.	EA	1		
	Î	Î			
Subtotal					
XII.	**TRENCHING FOR MISCELLANEOUS UTILITIES**				
	Pipe Excavation and Bedding				
	Excavation	CY	30		
	Bedding, assume 6" thick and 12" cover	CY	10		
	Select Backfill, assume required in County pavement	CY	10		
	Common Backfill	CY	10		
	Excess (See Mass Earthwork Overall Summary)	CY	20		
	Trenching				
	Trenching for gas mains	LF	24		
	Trenching for gas mains in existing pavement ***NOTE:*** *The existing gas line is not shown on the plans. The length was estimated from Google Earth.*	LF	33		
	Trenching for underground electric, telephone and cable service ***NOTE:*** *Length is to the curb line only as shown on the Utility Plan.*	LF	22		
	Total =	**LF**	**79**		
	Î	Î			
Subtotal					

	ITEM	UNIT	QUANT	PRICE	AMOUNT
XIII.	**CONCRETE**				
	Curb				
	Concrete Curb, 8" x 6" x 18" high	LF	1,270		
	Extended Concrete Curb, _" x _" x _" ***NOTE:*** *Curb tapers from 6" to 18" reveal along on-site pavement where shown on plans, however no detail was provided.*	LF	129		
	Concrete Curb in Municipal R.O.W., 8" x 6" x 18" high	LF	200		
	Concrete Curb in County R.O.W., 9" x 8" x 20" high	LF	91		
	Sidewalk				
	Truncated Dome Handicap Marker ***NOTE:*** *These are only shown at the sidewalk along Baier Avenue. Additional markers may be required along Hamilton Street and at the brick paver sidewalk on-site.*	SF	44		
	Concrete, 4" thick	SF	5,395		
	4" x 8" x 2-1/4" Brick Paver Soldier Course, 1491 lf	SF	1,000		
	Bituminous Setting Bed, 3/4" thick	SF	1,000		
	Tack Coat	SF	1,000		
	Stone Base, 4" thick	SF	5,395		
	Brick Paver Sidewalk				
	Brick Pavers with sand filled joints	SF	7,997		
	Concrete Setting Bed, 2" thick	SF	7,997		
	Aggregate or Stabilized Base, 8" thick	SF	7,997		
	Driveway Apron in Municipal R.O.W. Pad				
	6x6, W2.9xW2.9 WWF Reinforced Concrete, 6" thick	SF	477		
	Stone Base, 6" thick	SF	477		
	Driveway Apron in County R.O.W. Pad				
	6x6, W2.9xW2.9 WWF Reinforced Concrete, 6" thick	SF	270		
	Stone Base, 6" thick	SF	270		
	4" x 8" x 3-1/8" Heavy Duty Vehicular Paver Soldier Course, 75 lf	SF	50		
	Dumpster Pad				
	6x6, 6/6 WWF Reinforced Concrete, 6" thick	SF	324		
	Stone Base, 4" thick	SF	324		

	ITEM	UNIT	QUANT	PRICE	AMOUNT
	Transformer Pad				
	NOTE: *We assumed the same spec as the dumpster pad*				
	6x6, 6/6 WWF Reinforced Concrete, 6" thick	SF	200		
	Stone Base, 4" thick	SF	200		
	Î	Î			
Subtotal					
XIV.	**PAVEMENT**				
	Fine Grade and Compact Subgrade	SY	4,707		
	DGA Stone Base Course, 6" thick	SY	4,707		
	HMA Base Course, 19mm mix, M64, 3" thick	SY	4,707		
	HMA Wearing Course, 9.5mm mix, M64, 1-1/2" thick	SY	4,707		
	Î	Î			
Subtotal					
XV.	**PAVING REMOVAL AND REPLACEMENT FOR UTILITIES AND CURB**				
	Water Line in County Pavement				
	Saw Cut Pavement, full depth	LF	60		
	Saw Cut Pavement, trim back	LF	60		
	Pavement Removal, Assume 6' wide	SY	16		
	Fine Grade and Compact Subgrade	SY	16		
	DGA Stone Base Course, 6" thick	SY	16		
	Superpave HMA Base Course, 19M64, 6" thick in two lifts	SY	16		
	Superpave HMA Wearing Course, 9.5M64, 2" thick	SY	16		
	Water Line in Municipal Pavement				
	Saw Cut Pavement, full depth	LF	40		
	Saw Cut Pavement, trim back	LF	40		
	Pavement Removal, Assume 6' wide	SY	9		
	Fine Grade and Compact Subgrade	SY	9		
	DGA Stone Base Course, 6" thick	SY	9		
	Bituminous Stabilized Base Course, Mix I-2, 4" thick	SY	9		
	Bituminous Wearing Course, Mix I-5, 1-1/2" thick	SY	9		

	ITEM	UNIT	QUANT	PRICE	AMOUNT
	Gas Line in County Pavement				
	Saw Cut Pavement, full depth	LF	72		
	Saw Cut Pavement, trim back	LF	72		
	Pavement Removal, Assume 6' wide	SY	48		
	Fine Grade and Compact Subgrade	SY	48		
	DGA Stone Base Course, 6" thick	SY	48		
	Superpave HMA Base Course, 19M64, 6" thick in two lifts	SY	48		
	Superpave HMA Wearing Course, 9.5M64, 2" thick	SY	48		
	New Curb Along County Pavement				
	NOTE: *The saw cutting and pavement removal are included in the Demolition section above.*				
	Fine Grade and Compact Subgrade	SY	20		
	DGA Stone Base Course, 6" thick	SY	20		
	Superpave HMA Base Course, 19M64, 6" thick in two lifts	SY	20		
	Superpave HMA Wearing Course, 9.5M64, 2" thick	SY	20		
	New Curb Along Municipal Pavement				
	NOTE: *The saw cutting and pavement removal are included in the Demolition section above.*				
	Fine Grade and Compact Subgrade	SY	44		
	DGA Stone Base Course, 6" thick	SY	44		
	Bituminous Stabilized Base Course, Mix I-2, 4" thick	SY	44		
	Bituminous Wearing Course, Mix I-5, 1-1/2" thick	SY	44		
	Î	Î			
Subtotal					
XVI.	**STRIPING AND SIGNS**				
	Striping				
	Striping Parking Spaces	EA	122		
	Striping Parallel Parking Spaces in County Pavement	EA	14		
	Striping Solid Lines, 4" wide	LF	87		
	Striping Crosshatch Area (including lines and spaces)	SF	270		

	ITEM	UNIT	QUANT	PRICE	AMOUNT
	Striping Crosshatch Area in County Pavement (including lines and spaces)	SF	259		
	Striping Crosswalk Area in County / Municipal R.O.W. (including lines and spaces)	SF	468		
	Striping Lettering "STOP"	EA	5		
	Striping Directional Arrows	EA	20		
	Striping Handicap Logo	EA	5		
	Striping Stop Bar, 24" wide	LF	59		
	Signs				
	Stop Sign (R1-1), 30" x 30"	EA	5		
	Handicap Parking Sign (R7-8), 12" x 18" with Van Accessible (R7-8A), 12" x 6" and Penalty Sign (R7-8P), 10" x 12"	EA	5		
	"Resident Parking Only Between Signs" Sign	EA	2		
	Î	Î			
Subtotal					
XVII.	**FENCE**				
	8' Solid White Vinyl Stockade Fence	LF	371		
	Î	Î			
Subtotal					
XVIII.	**AMENITIES**				
	Bench, 6' long, 58 Series by DuMor, Inc.	EA	4		
	Reset Salvaged Bench	EA	1		
	Handrail, 1-1/2" diameter painted steel rails and posts with 1" diameter stiles	LF	325		
	Recycling Container with Base, 36 gallon, Ironsite Series S-42 by Victor Stanley, Inc.	EA	2		
	Trash Receptacle with Base, 35 gallon, Ironsite Series S-42 by Victor Stanley, Inc.	EA	2		
	Tree Grate, 4' x 4' ***NOTE:*** *No detail provided.*	EA	13		
	Î	Î			
Subtotal					

	ITEM	UNIT	QUANT	PRICE	AMOUNT
XIX.	**LIGHTING EXCAVATION**				
	Excavation and Bedding				
	Excavation	CY	450		
	Bedding, assume 6" thick and 12" cover	CY	190		
	Select Backfill	CY			
	Common Backfill	CY	260		
	Excess (See Mass Earthwork Overall Summary)	CY	190		
	Trenching and Base Excavation				
	Trench for site lights -- approximate length	LF	968		
	Trench for site lights in County Sidewalk -- approximate length	LF	249		
	Excavate for site bases	EA	14		
	Excavate for site bases in County Sidewalk	EA	3		
	Î	Î			
Subtotal					
	TOTAL				

		INPUTS			EXCAVATION			BEDDING				BACKFILL			
	Description	Length	Avg Depth	Pipe Dia	Trench Limits per side	Trench Width	Excavate Volume	Under Pipe	% pipe cover	cover	Bed Vol	Pipe Vol	Select Backfill	Com'n B'fill	Excess
		LF	FT	IN	IN	FT	CY	IN	%	IN	CY	CY	CY	CY	CY
	Hamilton Commons														
	695 - 697 Hamilton Street														
	Franklin Township, New Jersey														
	Prepared: 2/2/2018														
I.	**SANITARY SEWER PIPE EXCAVATION**														
	8" PVC SDR 35 (8'-10' deep) NOTE: Rock is approximately 5'-6' deep at this location.	56	10.0	8"	18.0"	3.67	76	6"	100%	12"	16	1	**0**	59	17
	Î	0	0.0	0"	12.0"	2.00	0	6"	100%	12"	0	0	**0**	0	0
	TRUE	**56**					**76**				**16**	**1**	**0**	**59**	**17**
	Excavation	**76**	**CY**												
	Bedding	**16**	**CY**												
	Select Backfill	**0**	**CY**												
	Common Backfill	**59**	**CY**												
	Excess	**17**	**CY**												

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By acceptance of this takeoff, the purchaser agrees to the following statement:

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		INPUTS			EXCAVATION			BEDDING				BACKFILL			
	Description	Length	Avg Depth	Pipe Dia	Trench Limits per side	Trench Width	Excavate Volume	Under Pipe	% pipe cover	cover	Bed Vol	Pipe Vol	Select Backfill	Com'n B'fill	Excess
		LF	FT	IN	IN	FT	CY	IN	%	IN	CY	CY	CY	CY	CY
II.	**WATER PIPE EXCAVATION**														
	4" DIP	49	4.8	4"	12.0"	2.33	20	6"	100%	12"	8	0	**0**	12	8
	4" DIP in existing pavement	20	4.8	4"	12.0"	2.33	8	6"	100%	12"	3	0	**5**	0	8
	6" DIP	8	5.0	6"	12.0"	2.50	4	6"	100%	12"	1	0	**0**	3	1
	8" DIP	539	5.2	8"	12.0"	2.67	277	6"	100%	12"	109	7	**0**	161	116
	8" DIP in existing pavement	18	5.2	8"	12.0"	2.67	9	6"	100%	12"	4	0	**5**	0	9
	Î	0	0.0	0"	12.0"	2.00	0	6"	100%	12"	0	0	**0**	0	0
	TRUE	**634**					**318**				**125**	**7**	**10**	**176**	**142**
	Excavation	**318**	**CY**												
	Bedding	**125**	**CY**												
	Select Backfill	**10**	**CY**												
	Common Backfill	**176**	**CY**												
	Excess	**142**	**CY**												

		INPUTS			EXCAVATION			BEDDING				BACKFILL			
	Description	Length	Avg Depth	Pipe Dia	Trench Limits per side	Trench Width	Excavate Volume	Under Pipe	% pipe cover	cover	Bed Vol	Pipe Vol	Select Backfill	Com'n B'fill	Excess
		LF	FT	IN	IN	FT	CY	IN	%	IN	CY	CY	CY	CY	CY
III.	**STORM PIPE EXCAVATION**														
	8" ADS N-12 Roof Leader (4'-6' deep) NOTE: Rock is approximately 4'-5' deep at this location.	132	6.0	8"	12.0"	2.67	78	6"	100%	12"	27	2	**0**	49	29
	10" ADS N-12 Roof Leader (4'-6' deep) NOTE: Rock is approximately 4'-5' deep at this location.	77	6.0	10"	12.0"	2.83	48	6"	100%	12"	17	2	**0**	29	19
	15" RCP (0'-4' deep)	254	4.0	15"	12.0"	3.25	122	6"	100%	12"	73	12	**0**	37	85
	15" RCP (4'-6' deep) NOTE: Probable rock at this location.	11	6.0	15"	12.0"	3.25	8	6"	100%	12"	3	0	**0**	5	3
	15" RCP (6'-8' deep) NOTE: Probable rock at this location.	100	8.0	15"	12.0"	3.25	96	6"	100%	12"	29	5	**0**	62	34
	Î	0	0.0	0"	12.0"	2.00	0	6"	100%	12"	0	0	**0**	0	0
	TRUE	**574**					**352**				**149**	**21**	**0**	**182**	**170**
	Excavation	**352**	**CY**												
	Bedding	**149**	**CY**												
	Select Backfill	**0**	**CY**												
	Common Backfill	**182**	**CY**												
	Excess	**170**	**CY**												

		INPUTS			EXCAVATION			BEDDING				BACKFILL			
	Description	Length	Avg Depth	Pipe Dia	Trench Limits per side	Trench Width	Excavate Volume	Under Pipe	% pipe cover	cover	Bed Vol	Pipe Vol	Select Backfill	Com'n B'fill	Excess
		LF	FT	IN	IN	FT	CY	IN	%	IN	CY	CY	CY	CY	CY
IV.	**MISCELLANEOUS UTILITIES EXCAVATION**														
	Trenching for gas mains	24	4.0	2"	14.0"	2.50	9	6"	100%	12"	4	0	**0**	5	4
	Trenching for gas mains in existing pavement NOTE: The existing gas line is not shown on the plans. The length was estimated from Google Earth.	33	4.0	2"	14.0"	2.50	12	6"	100%	12"	5	0	**7**	0	12
	Trenching for underground electric, telephone and cable service NOTE: Length is to the curb line only as shown on the Utility Plan.	22	4.0	2"	14.0"	2.50	8	6"	100%	12"	3	0	**0**	5	3
	Î	0	0.0	2"	14.0"	2.50	0	6"	100%	12"	0	0	**0**	0	0
	TRUE	**79**					**29**				**12**	**0**	**7**	**10**	**19**
	Excavation	**29**	**CY**												
	Bedding	**12**	**CY**												
	Select Backfill	**7**	**CY**												
	Common Backfill	**10**	**CY**												
	Excess	**19**	**CY**												

Hamilton Commons.xlsx Pipe Excav Worksheet 1.1

		INPUTS			EXCAVATION			BEDDING				BACKFILL			
	Description	Length	Avg Depth	Pipe Dia	Trench Limits per side	Trench Width	Excavate Volume	Under Pipe	% pipe cover	cover	Bed Vol	Pipe Vol	Select Backfill	Com'n B'fill	Excess
		LF	FT	IN	IN	FT	CY	IN	%	IN	CY	CY	CY	CY	CY
V.	**SITE LIGHTING EXCAVATION**														
	Trench for site lights -- approximate length	968	4.0	2"	14.0"	2.50	359	6"	100%	12"	149	1	**0**	209	150
	Trench for site lights in County Sidewalk -- approximate length	249	4.0	2"	14.0"	2.50	92	6"	100%	12"	38	0	**0**	54	38
	Î	0	0.0	0"	12.0"	2.00	0	6"	100%	12"	0	0	**0**	0	0
	TRUE	**1217**					**451**				**187**	**1**	**0**	**263**	**188**
	Excavation	**451**	**CY**												
	Bedding	**187**	**CY**												
	Select Backfill	**0**	**CY**												
	Common Backfill	**263**	**CY**												
	Excess	**188**	**CY**												

Hamilton Footings.xlsx Footing excav worksheet 1.0

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				DIMENSIONS					EXCAVATION					BACKFILL			
REF	DESCRIPTION	SG Elev.	TOF Elev.	Width	Length	Height	Qty	Volume (CY)	Depth	Width Add	Length Add	Footing length	Excav. (CY)	Wall thick.	Footing Deduct	Wall Deduct	Backfill (CY)
	Hamilton Commons Footings																
	695-697Your Street																
	Your Township, NJ																
	Prepared: 2/2/2018																
	NOTE:																
	1. Basement stone under slab = 13,950 sf x 6" thick																
	1. Slab on grade stone under slab = 10325 sf x 6" thick																
	Column Footings - Basement																
	F40 perimeter	(12.83)	(12.67)	4.00	4.00	1.00	2	1.19	0.84	0.84	0.00	8.00	1.20	12.0"	(1.19)	0.00	0.01
	F40 perimeter	(12.83)	(14.33)	4.00	4.00	1.00	2	1.19	2.50	2.50	0.00	8.00	4.81	12.0"	(1.19)	(0.44)	3.18
	F50 perimeter	(12.83)	(12.66)	5.00	5.00	1.17	1	1.08	1.00	1.00	0.00	5.00	1.11	12.0"	(1.08)	0.00	0.03
	F60 perimeter	(12.83)	(12.67)	6.00	6.00	1.33	4	7.09	1.17	1.17	0.00	24.00	7.46	12.0"	(7.09)	0.00	0.37
	F70 perimeter	(12.83)	(12.66)	7.00	7.00	1.67	1	3.03	1.50	1.50	0.00	7.00	3.31	12.0"	(3.03)	0.00	0.28
	F80 perimeter	(12.83)	(12.67)	8.00	8.00	1.83	7	30.36	1.67	1.67	0.00	56.00	33.49	12.0"	(30.36)	0.00	3.13
	F90 perimeter	(12.83)	(12.67)	9.00	9.00	1.83	6	32.94	1.67	1.67	0.00	54.00	35.64	12.0"	(32.94)	0.00	2.70
	F90 perimeter	(12.83)	(13.84)	9.00	9.00	1.83	1	5.49	2.84	2.84	0.00	9.00	11.21	12.0"	(5.49)	(0.34)	5.38
	F100 perimeter	(12.83)	(12.67)	10.00	10.00	2.00	1	7.41	1.84	1.84	0.00	10.00	8.07	12.0"	(7.41)	0.00	0.66
	F110 perimeter	(12.83)	(12.66)	11.00	11.00	2.17	1	9.72	2.00	2.00	0.00	11.00	10.59	12.0"	(9.72)	0.00	0.87
	F120 perimeter	(12.83)	(12.67)	12.00	12.00	2.33	1	12.43	2.17	2.17	0.00	12.00	13.67	12.0"	(12.43)	0.00	1.24
	F60 interior	(12.83)	(12.67)	6.00	6.00	1.33	2	3.55	1.17	1.17	0.00	12.00	3.73	12.0"	(3.55)	0.00	0.18

This takeoff has been prepared by *Walsh Estimating Service*, a division of Maracorp International:

Although we have been careful to assure that all items are correct, we make no guarantee beyond the cost of our work. The contractor has the final responsibility for completeness and accuracy in the preparation of his bid.

By acceptance of this takeoff, the purchaser agrees to the following statement:

"I do hereby release and hold harmless Walsh Estimating Service, Maracorp International, Ed Walsh, and his employees from any and all errors and omissions beyond the invoiced value of services rendered."

Hamilton Footings.xlsx Footing excav worksheet 1.0

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				DIMENSIONS					EXCAVATION					BACKFILL			
REF	DESCRIPTION	SG Elev.	TOF Elev.	Width	Length	Height	Qty	Volume (CY)	Depth	Width Add	Length Add	Footing length	Excav. (CY)	Wall thick.	Footing Deduct	Wall Deduct	Backfill (CY)
	F70 interior	(12.83)	(12.66)	7.00	7.00	1.67	1	3.03	1.50	1.50	1.50	7.00	4.01	12.0"	(3.03)	0.00	0.98
	F100 interior	(12.83)	(12.67)	10.00	10.00	2.00	2	14.81	1.84	1.84	1.84	20.00	19.11	12.0"	(14.81)	0.00	4.30
	F110 interior	(12.83)	(12.66)	11.00	11.00	2.17	1	9.72	2.00	2.00	2.00	11.00	12.52	12.0"	(9.72)	0.00	2.80
	F130 interior	(12.83)	(12.67)	13.00	13.00	2.50	1	15.65	2.34	2.34	2.34	13.00	20.39	12.0"	(15.65)	0.00	4.74
	F140 interior	(12.83)	(13.00)	14.00	14.00	2.67	1	19.38	2.84	2.84	2.84	14.00	29.83	12.0"	(19.38)	(0.09)	10.36
	F140 interior	(12.83)	(17.00)	14.00	14.00	2.67	2	38.76	6.84	6.84	6.84	28.00	220.05	12.0"	(38.76)	(4.32)	176.97
	F160 interior	(12.83)	(12.67)	16.00	16.00	3.00	1	28.44	2.84	2.84	2.84	16.00	37.34	12.0"	(28.44)	0.00	8.90
				0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	12.0"	0.00	0.00	0.00
	Subtotal =						**38**	**245**				**325**	**478**		**(245)**	**(5)**	**227**
	Column Footings - Slab on Grade																
	F50 perimeter	(0.83)	(2.66)	5.00	5.00	1.17	1	1.08	3.00	3.00	0.00	5.00	4.44	12.0"	(1.08)	(0.34)	3.02
	F60 perimeter	(0.83)	(2.67)	6.00	6.00	1.33	1	1.77	3.17	3.17	0.00	6.00	6.46	12.0"	(1.77)	(0.41)	4.28
	F70 perimeter	(0.83)	(2.66)	7.00	7.00	1.67	1	3.03	3.50	3.50	0.00	7.00	9.53	12.0"	(3.03)	(0.47)	6.03
	F70 perimeter	(0.83)	(3.50)	7.00	7.00	1.67	1	3.03	4.34	4.34	0.00	7.00	12.76	12.0"	(3.03)	(0.69)	9.04
	F80 perimeter	(0.83)	(2.67)	8.00	8.00	1.83	3	13.01	3.67	3.67	0.00	24.00	38.07	12.0"	(13.01)	(1.64)	23.42
	F80 perimeter	(0.83)	(3.67)	8.00	8.00	1.83	2	8.68	4.67	4.67	0.00	16.00	35.06	12.0"	(8.68)	(1.68)	24.70
	F90 perimeter	(0.83)	(2.67)	9.00	9.00	1.83	5	27.45	3.67	3.67	0.00	45.00	77.50	12.0"	(27.45)	(3.07)	46.98
	F100 perimeter	(0.83)	(2.83)	10.00	10.00	2.00	1	7.41	4.00	4.00	0.00	10.00	20.74	12.0"	(7.41)	(0.74)	12.59
	F80 interior	(0.83)	(0.67)	8.00	8.00	1.83	1	4.34	1.67	1.67	1.67	8.00	5.78	12.0"	(4.34)	0.00	1.44
	F90 interior	(0.83)	(0.67)	9.00	9.00	1.83	1	5.49	1.67	1.67	1.67	9.00	7.04	12.0"	(5.49)	0.00	1.55
	F100 interior	(0.83)	(0.67)	10.00	10.00	2.00	1	7.41	1.84	1.84	1.84	10.00	9.55	12.0"	(7.41)	0.00	2.14
	F110 interior	(0.83)	(0.66)	11.00	11.00	2.17	1	9.72	2.00	2.00	2.00	11.00	12.52	12.0"	(9.72)	0.00	2.80

Hamilton Footings.xlsx Footing excav worksheet 1.0

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				DIMENSIONS					EXCAVATION					BACKFILL			
REF	DESCRIPTION	SG Elev.	TOF Elev.	Width	Length	Height	Qty	Volume (CY)	Depth	Width Add	Length Add	Footing length	Excav. (CY)	Wall thick.	Footing Deduct	Wall Deduct	Backfill (CY)
	F120 interior	(0.83)	(0.67)	12.00	12.00	2.33	1	12.43	2.17	2.17	2.17	12.00	16.14	12.0"	(12.43)	0.00	3.71
	F130 interior	(0.83)	(4.83)	13.00	13.00	2.50	1	15.65	6.50	6.50	6.50	13.00	91.54	12.0"	(15.65)	(1.93)	73.96
	Subtotal =						**21**	**121**				**183**	**347**		**(121)**	**(11)**	**216**
	Continuous Footings - Basement																
	F1 Continuous	(12.83)	(12.67)	2.33	407.00	1.00	1	35.12	0.84	0.84	0.00	407.00	40.14	12.0"	(35.12)	0.00	5.02
	F4 Continuous	(12.83)	(12.67)	2.00	80.00	1.00	1	5.93	0.84	0.84	0.00	80.00	7.07	12.0"	(5.93)	0.00	1.14
				0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	12.0"	0.00	0.00	0.00
	Subtotal =							**41**				**487**	**47**		**(41)**	**0**	**6**
	Continuous Footings - Slab on Grade																
	F1 Continuous	(0.83)	(3.50)	2.33	288.00	1.00	1	24.85	3.67	3.67	0.00	288.00	234.88	12.0"	(24.85)	(28.48)	181.55
	F4 Continuous	(0.83)	(0.83)	2.00	45.00	1.00	1	3.33	1.00	1.00	0.00	45.00	5.00	12.0"	(3.33)	0.00	1.67
				0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	12.0"	0.00	0.00	0.00
	Subtotal =							**28**				**333**	**240**		**(28)**	**(28)**	**183**
	Elevator Pit																
	Elevator Pit	(12.83)	(12.00)	10.00	20.00	6.00	1	44.44	5.17	5.17	5.17	20.00	73.11	12.0"	(44.44)	0.00	28.67
				0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	12.0"	0.00	0.00	0.00
	Subtotal =							**44**				**20**	**73**		**(44)**	**0**	**29**
	GRAND TOTALS =							**479**				**1,348**	**1,185**		**(479)**	**(44)**	**661**

Takeoff By: **Walsh Estimating (570) 223-7880**

	WALL LENGTH		ELEVATIONS			WALL HEIGHT			FACE	CUT/FILL DEPTHS			EXCAVATION			COMMON BACKFILL		
sheet	station	length	top of wall	bottom of wall	existing ground	above ground	bury	Total height	Face area	Cut or fill	depth of cut	depth of fill	from face	side-slope	Volume	wall thick	stone thick	Volume
		(FT)	(FT)	(FT)	(FT)	(FT)	(FT)	(FT)	(SF)	(TEXT)	(FT)	(FT)	(FT)	(FT)	(CY)	(IN)	(IN)	(CY)
										(including bury)					*(within excavated area only)*			
	Hamilton Commons																	
	695 - 697 Hamilton Street																	
	Franklin Township, New Jersey																	
	Prepared: 2/2/2018																	
Wall: At Transformer																		
p. 0	0+00	0.00	95.00	95.00	94.50	0.00	1.00	1.00	0.00	Cut	0.50	0.00	3.00	1.5H:1V	0.00	24"	12"	0.00
	0+10	10.00	98.00	95.00	94.40	3.00	1.00	4.00	25.00	Cut	0.40	0.00	3.00	1.5H:1V	0.56	24"	12"	0.06
	0+30	20.00	98.00	95.00	94.40	3.00	1.00	4.00	80.00	Cut	0.40	0.00	3.00	1.5H:1V	0.98	24"	12"	0.09
	0+40	10.00	95.00	95.00	94.40	0.00	1.00	1.00	25.00	Cut	0.40	0.00	3.00	1.5H:1V	0.49	24"	12"	0.05
		40.00				**3.25**	**avg. height**		**130**						**2**			**0**

This takeoff has been prepared by *Walsh Estimating Service*, a division of Maracorp International:

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Hamilton Commons.xlsx Walls Worksheet 1.1

	WALL LENGTH		ELEVATIONS			WALL HEIGHT			FACE	CUT/FILL DEPTHS			EXCAVATION			COMMON BACKFILL		
sheet	station	length	top of wall	bottom of wall	existing ground	above ground	bury	Total height	Face area	Cut or fill	depth of cut	depth of fill	from face	side-slope	Volume	wall thick	stone thick	Volume
		(FT)	(FT)	(FT)	(FT)	(FT)	(FT)	(FT)	(SF)	(TEXT)	(FT)	(FT)	(FT)	(FT)	(CY)	(IN)	(IN)	(CY)
Wall: North & West Sides																		
p. 0	0+00	0.00	99.00	98.97	96.30	0.03	1.00	1.03	0.00	Fill	0.00	1.67	3.00	1.5H:1V	0.00	24"	12"	0.00
	0+24	24.00	99.00	98.00	95.20	1.00	1.00	2.00	36.36	Fill	0.00	1.80	3.00	1.5H:1V	0.00	24"	12"	0.00
	0+50	26.00	98.80	97.00	94.20	1.80	1.00	2.80	62.40	Fill	0.00	1.80	3.00	1.5H:1V	0.00	24"	12"	0.00
	0+72	22.00	98.60	96.00	93.60	2.60	1.00	3.60	70.40	Fill	0.00	1.40	3.00	1.5H:1V	0.00	24"	12"	0.00
	1+03	31.00	98.40	96.00	93.00	2.40	1.00	3.40	108.50	Fill	0.00	2.00	3.00	1.5H:1V	0.00	24"	12"	0.00
	1+37	34.00	98.00	95.50	92.80	2.50	1.00	3.50	117.30	Fill	0.00	1.70	3.00	1.5H:1V	0.00	24"	12"	0.00
	1+55	18.00	97.60	95.50	93.00	2.10	1.00	3.10	59.40	Fill	0.00	1.50	3.00	1.5H:1V	0.00	24"	12"	0.00
	1+63	8.00	97.50	95.50	93.40	2.00	1.00	3.00	24.40	Fill	0.00	1.10	3.00	1.5H:1V	0.00	24"	12"	0.00
	1+80	17.00	98.00	95.00	94.30	3.00	1.00	4.00	59.50	Cut	0.30	0.00	3.00	1.5H:1V	0.29	24"	12"	0.01
	1+98	18.00	98.40	95.00	95.00	3.40	1.00	4.40	75.60	Cut	1.00	0.00	3.00	1.5H:1V	1.51	24"	12"	0.21
	2+22	24.00	98.90	96.00	96.00	2.90	1.00	3.90	99.60	Cut	1.00	0.00	3.00	1.5H:1V	3.33	24"	12"	0.66
	2+69	47.00	99.40	97.00	97.00	2.40	1.00	3.40	171.55	Cut	1.00	0.00	3.00	1.5H:1V	6.53	24"	12"	1.31
	2+88	19.00	99.70	98.00	98.00	1.70	1.00	2.70	57.95	Cut	1.00	0.00	3.00	1.5H:1V	2.64	24"	12"	0.53
	3+29	41.00	100.00	99.00	99.00	1.00	1.00	2.00	96.35	Cut	1.00	0.00	3.00	1.5H:1V	5.69	24"	12"	1.13
		329.00				**3.16**	**avg. height**		**1,039**						**20**			**4**
	TOTALS =	**369.00**				**3.17**	**avg. height**		**1,169**						**22**			**4**

Takeoff By: **Walsh Estimating (570) 223-7880**