

**Your Job**  
**Your Township**  
**Your County, Your State**

**Prepared: 5/25/2007**

**Final Version 1.0**

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

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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."*

**Prepared For:**  
**Your Construction Company**



	ITEM	UNIT	QUANT	PRICE	AMOUNT
<b>I.</b>	<b>EROSION AND SEDIMENT CONTROL</b>				
	<i>NOTE: No plans provided for erosion and sediment control</i>				
	Construction Entrance Pad, _" thick	CY			
	Filter Fabric for construction entrance pad	SY			
	Inlet Filters <i>NOTE: Assumed for proposed inlets</i>	EA	12		
	Silt Fence, _" high	LF			
	Temporary seeding as required	LS	1		
	∑	∑			
Subtotal					
<b>II.</b>	<b>SITE CLEARING AND DEMOLITION</b>				
	Clear, Grub and Dispose Trees and Stumps	AC	0.03		
	Remove 12" Apple Tree	EA	1		
	Remove 16" Pear Tree	EA	1		
	Remove 21" Maple Tree	EA	1		
	Remove 30" Pine Tree	EA	1		
	Saw Cut Pavement	LF	410		
	Remove Buildings	SY	350		
	Remove Concrete Slab at house to be removed	SF	220		
	Remove Fence	LF	155		
	Remove Fence Posts	EA	8		
	∑	∑			
Subtotal					

	ITEM	UNIT	QUANT	PRICE	AMOUNT
III.	<b>EXCAVATION (All volumes are "Raw" -- no assumptions for swell or compaction)</b>				
	DISTURBANCE AREA	SF	49,011		
	Disturbance Area, Acres	Acre	1.13		
	î	î			
	Strip All Areas, 6" thick	CY	908		
	*****				
	<b>SUBGRADE ASSUMPTIONS:</b>				
	Basin	0.50'			
	Landscaped Areas	0.50'			
	Pavement Areas	0.50'			
	*****				
	<b>CUT:</b>				
	Basin	CY	1,320		
	<b>TOTAL CUT =</b>	<b>CY</b>	<b>1,320</b>		
	<b>FILL:</b>				
	Pavement Areas	CY	2,141		
	<b>TOTAL FILL =</b>	<b>CY</b>	<b>2,141</b>		
	*****				
	<b>UNCLASSIFIED EXCESS (BORROW) =</b>	<b>CY</b>	<b>(821)</b>		
	*****				
	<b>OVERALL UNCLASSIFIED SUMMARY:</b>				
	Unclassified Excess (Borrow)	CY	(821)		
	Wall Excavation Excess	CY	20		
	Pipe Trench Excess	CY	1,140		
	<b>TOTAL EXCESS (BORROW) =</b>	<b>CY</b>	<b>339</b>		
	î	î			
	<b>TOPSOIL SUMMARY:</b>				
	Strip Volume	CY	908		
	Required Volume -- Assume 6" thick	CY	557		
	<b>EXCESS (BORROW) TOPSOIL =</b>	<b>CY</b>	<b>351</b>		
Subtotal					

	ITEM	UNIT	QUANT	PRICE	AMOUNT
<b>IV.</b>	<b>TOPSOIL REDISTRIBUTION AREA</b>				
	Redistribute Topsoil -- Assume 6" thick	SY	3,340		
	Seed and Mulch	SY	3,340		
	↑	↑			
Subtotal					
<b>V.</b>	<b>BUILDING EXCAVATION</b>				
	Building Area (For Reference Only)	SF	15,605		
	↑	↑			
Subtotal					
<b>VI.</b>	<b>BLOCK RETAINING WALLS</b>				
	Wall length	LF	100		
	Excavation	CY	40		
	Backfill	CY	20		
	Excess (See Mass Earthwork Overall Summary)	CY	20		
	Face Area (one side), 3.3' height including 2' bury	SF	330		
	Stone behind wall, 12" thick	CY	12		
	↑	↑			
Subtotal					
<b>VII.</b>	<b>SANITARY SEWER</b>				
	<b>Pipe Excavation and Bedding</b>				
	Excavation	CY	770		
	Bedding -- Assume 6" thick and 12" cover	CY	260		
	Select Backfill <b>NOTE: Assume for pipe in existing pavement</b>	CY			
	Common Backfill	CY	490		
	Excess (See Mass Earthwork Overall Summary)	CY	280		
	<b>Services</b>				
	8" x 8" x 6" Sanitary Wye	EA	9		
	Cleanout 4"	EA	9		
	6" PVC Lateral	LF	375		

	ITEM	UNIT	QUANT	PRICE	AMOUNT
	<b>Pipe</b>				
	8" PVC SDR 35 (4'-6' deep)	LF	596		
	8" PVC SDR 35 (4'-6' deep) in Easement West of property	LF	65		
	8" PVC SDR 35 (6'-8' deep) in Easement West of property	LF	300		
	<b>Total =</b>	<b>LF</b>	<b>961</b>		
	<b>Structures</b>				
	Manhole (4'-6' deep)	EA	3		
	Manhole (4'-6' deep) in Easement West of property	EA	1		
	Manhole (6'-8' deep)	EA	1		
	Doghouse Manhole (8'-10' deep) in Easement West of property	EA	1		
	<b>Total =</b>	<b>EA</b>	<b>6</b>		
	î	î			
Subtotal					
<b>VIII.</b>	<b>WATER</b>				
	<b>Pipe Excavation and Bedding</b>				
	Excavation	CY	330		
	Bedding -- Assume 6" thick and 12" cover	CY	120		
	Sand/Cement Select Backfill <b>NOTE:</b> <i>Assume for pipe in existing pavement</i>	CY	10		
	Common Backfill	CY	210		
	Excess (See Mass Earthwork Overall Summary)	CY	120		
	<b>Services</b>				
	Assumed 3/4" Tap and Corporation	EA	9		
	Assumed 3/4" Curb Stop and Box	EA	9		
	Assumed 3/4" Water Service Pipe	LF	375		
	<b>Pipe</b>				
	6" or 8" DIP Class 52	LF	380		
	6" or 8" DIP Class 52 in Basin Road pavement	LF	15		
	<b>Total =</b>	<b>LF</b>	<b>395</b>		

	ITEM	UNIT	QUANT	PRICE	AMOUNT
	<b>Valves</b>				
	6" Gate Valve and Box	EA	1		
	6" x 6" x 8" Tapping Sleeve and Valve <i>NOTE: No details provided for connection to existing 8" Watermain</i>	EA			
	Wet Tap	EA			
	<b>Hydrants</b>				
	Fire Hydrants	EA	1		
	<b>Testing and Sterilization</b>				
	Flushing and Testing	LF	395		
	Chlorination	LF	395		
	∑	∑			
Subtotal					
<b>IX.</b>	<b>STORM SYSTEM</b>				
	<b>Pipe Excavation and Bedding</b>				
	Excavation	CY	1,160		
	Bedding -- Assume 6" thick and 12" cover	CY	530		
	Sand/Cement Select Backfill <i>NOTE: Assume for pipe in existing pavement</i>	CY	100		
	Common Backfill	CY	420		
	Excess (See Mass Earthwork Overall Summary)	CY	740		
	<b>Pipe</b>				
	15" HDPE (0'-4' deep)	LF	650		
	15" HDPE (4'-6' deep)	LF	461		
	24" HDPE (4'-6' deep) in easement west of property	LF	372		
	24" RCP (6'-8' deep) in existing intersection west of site	LF	150		
	<b>Total =</b>	<b>LF</b>	<b>1,633</b>		
	<b>Structures</b>				
	Headwall for 15" Pipe	EA	2		
	Inlets Type "B" (4'-6' deep)	EA	5		
	Inlets Type "E" (0'-4' deep)	EA	1		
	Inlets Type "A" (0'-4' deep)	EA	4		

	ITEM	UNIT	QUANT	PRICE	AMOUNT
	Manholes, 4' diameter (0'-4' deep)	EA	2		
	Manholes, 4' diameter (6'-8' deep) in existing pave west of site	EA	1		
	Doghouse Manholes, assumed (6'-8' deep) in existing intersection west of site	EA	1		
	<b>Total =</b>	<b>EA</b>	<b>16</b>		
	<b>Outlet Structure</b>				
	Outlet Structure (3.8' high) with Trash Rack	EA	1		
	<b>Swales</b>				
	Swale Length (assumed grass)	LF	365		
	î	î			
	Subtotal				
<b>X.</b>	<b>CONCRETE</b>				
	<b>Curb</b>				
	Belgian Block Curb	LF	920		
	Concrete Curb, 8" x 6" x 18" high (along Basin Road)	LF	300		
	<b>Sidewalk</b>				
	Sidewalk, 4" thick	SF	3,670		
	<b>Sidewalk Along Basin Road</b>				
	Sidewalk, 4" thick	SF	1,190		
	<b>Low Flow Channel</b>				
	Length	LF	205		
	Concrete, 4' wide (4" thick)	SF	820		
	<b>Miscellaneous Concrete</b>				
	Handicap Ramps	EA	2		
	î	î			
	Subtotal				

	ITEM	UNIT	QUANT	PRICE	AMOUNT
<b>XI.</b>	<b>PAVEMENT</b>				
	<b>Devon Court</b>				
	Fine Grade and Compact Subgrade	SY	2,110		
	Sub Base Type 5 Class A, _" thick <b>NOTE:</b> <i>If and where directed by Town Engineer</i>	SY	2,110		
	Stabilized Base Course (I-2 mix), 4" thick	SY	2,110		
	FABC-1 Surface Course (I-5 mix), 2" thick	SY	2,110		
	<b>Basin Road Widening</b>				
	Fine Grade and Compact Subgrade	SY	240		
	Sub Base Type 5 Class A, _" thick <b>NOTE:</b> <i>If and where directed by Town Engineer</i>	SY	240		
	Stabilized Base Course (I-2 mix), 6-1/2" thick	SY	240		
	Bituminous Surface Course, 2" thick	SY	240		
	↑	↑			
Subtotal					
<b>XII.</b>	<b>PAVING REMOVAL AND REPLACEMENT FOR UTILITIES</b>				
	<b>Temporary Pavement</b>				
	Install and Remove Temporary Paving	SY	110		
	<b>Basin Road</b>				
	Saw Cut Pavement, full depth	LF	30		
	Saw Cut Pavement, trim back	LF	30		
	Pavement Removal, Assume 6' wide	SY	10		
	Fine Grade and Compact Subgrade	SY	10		
	Sub Base Type 5 Class A, _" thick <b>NOTE:</b> <i>If and where directed by Town Engineer</i>	SY	10		
	Stabilized Base Course (I-2 mix), 6" thick	SY	10		
	Bituminous Surface Course, 2" thick	SY	10		

	ITEM	UNIT	QUANT	PRICE	AMOUNT
	<b>Intersection West of Site</b>				
	Saw Cut Pavement, full depth	LF	300		
	Saw Cut Pavement, trim back	LF	300		
	Pavement Removal, Assume 6' wide	SY	100		
	Fine Grade and Compact Subgrade	SY	100		
	Sub Base Type 5 Class A, _" thick <b>NOTE:</b> <i>If and where directed by Town Engineer</i>	SY	100		
	Stabilized Base Course (1-2 mix), 6" thick	SY	100		
	Bituminous Surface Course, 2" thick	SY	100		
	↑	↑			
Subtotal					
<b>XIII.</b>	<b>SIGNS</b>				
	Stop Sign (R1-1)	EA	1		
	↑	↑			
Subtotal					
<b>XIV.</b>	<b>LANDSCAPE PLANTING</b>				
	Virginia Sweetspire, 18" to 24" spread.	EA	18		
	Sweetbay Magnolia, 6' to 8' ht.	EA	3		
	Blue Atlas Cedar, 6' to 8' ht.	EA	4		
	White Pine, 6' to 8' ht.	EA	10		
	Sweetgum, 2-1/2" to 3" cal.	EA	5		
	Sugar Maple, 2-1/2" to 3" cal.	EA	20		
	Greenspire Brand White Ash, 2-1/2" to 3" cal.	EA	9		
	↑	↑			
Subtotal					
	<b>TOTAL</b>				

Your Job	INPUTS			EXCAVATION			BEDDING				BACKFILL			
	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
Your County, Your State	LF	FT	IN	IN	FT	CY	IN	%	IN	CY	CY	CY	CY	CY
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<b>I. SANITARY SEWER PIPE EXCAVATION</b>														
6" PVC Lateral	375	4.0	6"	12.0"	2.50	139	6"	100%	12"	67	3	0	69	70
8" PVC SDR 35 (4'-6' deep)	596	6.0	8"	12.0"	2.67	354	6"	100%	12"	120	8	0	226	128
8" PVC SDR 35 (4'-6' deep) in Easement West of property	65	6.0	8"	12.0"	2.67	39	6"	100%	12"	13	1	0	25	14
8" PVC SDR 35 (6'-8' deep) in Easement West of property	300	8.0	8"	12.0"	2.67	237	6"	100%	12"	60	4	0	173	64
î	0	0.0	0"	12.0"	2.00	0	6"	100%	12"	0	0	0	0	0
<b>Excavation</b>	<b>769</b>	<b>CY</b>				<b>769</b>				<b>260</b>	<b>16</b>	<b>0</b>	<b>493</b>	<b>276</b>
<b>Bedding</b>	<b>260</b>	<b>CY</b>												
<b>Select Backfill</b>	<b>0</b>	<b>CY</b>												
<b>Common Backfill</b>	<b>493</b>	<b>CY</b>												
<b>Excess</b>	<b>276</b>	<b>CY</b>												

Your Job	INPUTS			EXCAVATION			BEDDING				BACKFILL			
	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
<b>II. WATER PIPE EXCAVATION</b>														
Assumed 3/4" Water Service Pipe	375	4.0	0.75"	12.0"	2.06	114	6"	100%	12"	45	0	0	69	45
6" or 8" DIP Class 52	380	6.0	6"	12.0"	2.50	211	6"	100%	12"	68	3	0	140	71
6" or 8" DIP Class 52 in Basin Road pavement	15	6.0	6"	12.0"	2.50	8	6"	100%	12"	3	0	5	0	8
î	0	0.0	0"	12.0"	2.00	0	6"	100%	12"	0	0	0	0	0
<b>Excavation</b>	<b>333</b>	<b>CY</b>				<b>333</b>				<b>116</b>	<b>3</b>	<b>5</b>	<b>209</b>	<b>124</b>
<b>Bedding</b>	<b>116</b>	<b>CY</b>												
<b>Select Backfill</b>	<b>5</b>	<b>CY</b>												
<b>Common Backfill</b>	<b>209</b>	<b>CY</b>												
<b>Excess</b>	<b>124</b>	<b>CY</b>												

	Your Job	INPUTS			EXCAVATION			BEDDING				BACKFILL			
		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
<b>III.</b>	<b>STORM PIPE EXCAVATION</b>														
	15" HDPE (0'-4' deep)	650	4.0	15"	12.0"	3.25	313	6"	100%	12"	186	30	0	97	216
	15" HDPE (4'-6' deep)	461	6.0	15"	12.0"	3.25	333	6"	100%	12"	132	21	0	180	153
	24" HDPE (4'-6' deep) in easement west of property	372	6.0	24"	12.0"	4.00	331	6"	100%	12"	150	43	0	138	193
	24" RCP (6'-8' deep) in existing intersection west of site	150	8.0	24"	12.0"	4.00	178	6"	100%	12"	60	17	101	0	178
	∩	0	0.0	0"	12.0"	2.00	0	6"	100%	12"	0	0	0	0	0
	<b>Excavation</b>	<b>1155</b>	<b>CY</b>				<b>1155</b>				<b>528</b>	<b>111</b>	<b>101</b>	<b>415</b>	<b>740</b>
	<b>Bedding</b>	<b>528</b>	<b>CY</b>												
	<b>Select Backfill</b>	<b>101</b>	<b>CY</b>												
	<b>Common Backfill</b>	<b>415</b>	<b>CY</b>												
	<b>Excess</b>	<b>740</b>	<b>CY</b>												

sheet	WALL LENGTH		ELEVATIONS			WALL HEIGHT			FACE	CUT/FILL DEPTHS			EXCAVATION			COMMON BACKFILL		
	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)
										<i>(including bury)</i>			<i>(within excavated area only)</i>					
<b>Your Job</b>																		
<b>Your Township</b>																		
<b>Your County, Your State</b>																		
<b>Prepared: 5/25/2007</b>																		
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<b>Wall Location: Block Wall for Grade Separation</b>																		
	0+00	0.00	58.50	57.80	57.80	0.70	2.00	2.70	0.00	Cut	2.00	0.00	3.00	2.0H:1V	0.00	24"	12"	0.00
	0+25	25.00	59.00	57.80	57.80	1.20	2.00	3.20	73.75	Cut	2.00	0.00	3.00	2.0H:1V	9.26	24"	12"	3.70
	0+45	20.00	59.50	57.80	57.80	1.70	2.00	3.70	69.00	Cut	2.00	0.00	3.00	2.0H:1V	7.41	24"	12"	2.97
	0+80	35.00	59.00	57.80	57.80	1.20	2.00	3.20	120.75	Cut	2.00	0.00	3.00	2.0H:1V	12.96	24"	12"	5.18
	1+00	20.00	59.00	57.80	57.80	1.20	2.00	3.20	64.00	Cut	2.00	0.00	3.00	2.0H:1V	7.41	24"	12"	2.97
		<b>100.00</b>				<b>3.28</b>	<b>avg. height</b>	<b>328</b>							<b>37</b>			<b>15</b>
	<b>TOTALS =</b>	<b>100.00</b>				<b>3.28</b>	<b>avg. height</b>	<b>328</b>							<b>37</b>			<b>15</b>