

Neighborhood Center

Sample

Prepared: 5/25/2007

Version 1.0

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:

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Prepared For:

Design and Construction Associates

	ITEM	UNIT	QUANT	PRICE	AMOUNT
I.	EROSION AND SEDIMENT CONTROL				
	General Items				
	Construction Entrance Pad, 10" thick	CY	70		
	Filter Fabric for construction entrance pad	SY	256		
	Inlet Filters, filter bags or concrete block surrounded by stone	EA	9		
	Super Silt Fence, 33" high	LF	580		
	American Excelsior Curlex Blanket for 2H:1V slopes	SY	2,000		
	R-3 Rip Rap Filter Berms	EA	3		
	Trash Rack on 2' x 2' concrete structure	EA	1		
	Temporary seeding as required	LS	1		
	Temporary Swale Length				
	Interceptor Channel No. 1, 3.25' wide	LF	215		
	∑	∑			
Subtotal					
II.	SITE CLEARING AND DEMOLITION				
	Clear, Grub and Dispose Trees and Stumps <i>NOTE: No clearing is shown on the plans.</i>	AC			
	Saw Cut East Tenth Avenue Pavement	LF	78		
	Remove Curb	LF	78		
	Remove Sidewalk	SF	470		
	Remove Concrete Drive	SF	1,347		
	Remove 15" pipe	LF	200		
	Cut and Cap existing sewer pipe to be abandoned as necessary	LS	1		
	Remove Fence	LF	500		
	∑	∑			
Subtotal					

	ITEM	UNIT	QUANT	PRICE	AMOUNT
III.	EXCAVATION (All volumes are "Raw" -- no assumptions for swell or compaction)				
	DISTURBANCE AREA	SF	82,830		
	Disturbance Area, Acres	Acre	1.90		
	↑	↑			
	Strip Topsoil, 6" thick	BCY	1,535		

	SUBGRADE ASSUMPTIONS:				
	Basin	0.33'			
	Building Areas	0.67'			
	Concrete Areas	0.67'			
	Landscape Areas	0.33'			
	Pavement Areas	0.83' & 1.12'			

	UNCLASSIFIED CUT:				
	Basin	BCY	250		
	Building Areas	BCY	493		
	Concrete Areas	BCY	350		
	Landscape Areas	BCY	460		
	Pavement Areas	BCY	3,080		
	TOTAL CUT =	BCY	4,633		
	UNCLASSIFIED FILL:				
	Basin	BCY	155		
	Building Areas	BCY	1,105		
	Concrete Areas	BCY	342		
	Landscape Areas	BCY	7,472		
	Pavement Areas	BCY	2,790		
	TOTAL FILL =	BCY	11,864		

	UNCLASSIFIED EXCESS (BORROW) =	BCY	(7,231)		

	OVERALL UNCLASSIFIED SUMMARY:				
	Unclassified Excess (Borrow)	BCY	(7,231)		
	Wall Excavation Excess	BCY	240		
	Pipe Trench Excess	BCY	1,450		
	Rip Rap Excess	BCY	5		
	TOTAL EXCESS (BORROW) =	BCY	(5,536)		
	↑	↑			

	ITEM	UNIT	QUANT	PRICE	AMOUNT
	↑	↑			
	TOPSOIL SUMMARY:				
	Strip Volume	BCY	1,535		
	Required Volume, 6" thick	BCY	609		
	EXCESS (BORROW) TOPSOIL =	BCY	926		
	↑	↑			
Subtotal					
III-1.	ROCK BLASTING (AND REMOVAL) - If Required (Unit Price)				
	Mass Rock Blasting	BCY			
	Trench Rock Blasting (0'-6' deep)	LF			
	Trench Rock Blasting (6'-9' deep)	LF			
	Trench Rock Blasting (9'-12' deep)	LF			
	↑	↑			
Subtotal					
IV.	GRADING AREAS				
Important	<i>NOTE: Pavement and Landscape areas from Agtek printout are not to be used for exact quantities (e.g. curbed islands and sidewalks are usually included within pavement/landscape surface areas)</i>				
	Grading Areas				
	Basin	SY	376		
	Building Areas	SY	1,483		
	Concrete Areas	SY	509		
	Landscape Areas	SY	3,064		
	Pavement Areas	SY	3,771		
		Total = SY	9,203		
		<i>check</i>	<i>SY</i>	<i>9,203</i>	
	↑	↑			
Subtotal					
V.	TOPSOIL REDISTRIBUTION AREA				
	Topsoil Redistribution	SY	3,659		
	Seed and Mulch	SY	3,659		
	↑	↑			
Subtotal					

	ITEM	UNIT	QUANT	PRICE	AMOUNT
VI.	BUILDING EXCAVATION				
	Building Area (for topsoil redistribution reference)	SF	13,344		
	î	î			
Subtotal					
VII.	KEYSTONE RETAINING WALLS				
	Wall length	LF	533		
	Excavation	CY	540		
	Backfill	CY	300		
	Excess (See Mass Earthwork Overall Summary)	CY	240		
	Face Area (one side), 10.4' average height including 2' bury	SF	5,552		
	Geogrid	SY			
	Stone behind wall, 12" thick	CY	206		
	Drainage Pipe, 4" dia.	LF	533		
	î	î			
Subtotal					
VIII.	SANITARY SEWER				
	Pipe Excavation and Bedding				
	Excavation	CY	1,210		
	No. 57 Stone Bedding -- 6" thick and 12" cover	CY	180		
	2RC Stone Backfill	CY	60		
	Common Backfill	CY	960		
	Excess (See Mass Earthwork Overall Summary)	CY	250		
	Services				
	6" x 6" x 4" Sanitary Wye and Bend	EA	5		
	8" x 8" x 6" Sanitary Wye and Bend	EA	1		
	4" Cleanout Assembly in landscape (0'-4' deep)	EA	3		
	4" Cleanout Assembly in pavement (0'-4' deep)	EA	1		
	Pipe				
	4" PVC SDR 35 Lateral in landscape (0'-6' deep)	LF	10		
	4" PVC SDR 35 Lateral in pavement (0'-6' deep)	LF	40		
	6" PVC SDR 35 Lateral in landscape (0'-6' deep)	LF	20		
	6" PVC SDR 35 Lateral in pavement (0'-6' deep)	LF	128		
	8" PVC SDR 35 in landscape (14'-16' deep)	LF	505		
	Total =	LF	703		
	<i>pipe check</i>		<i>703</i>		

	ITEM	UNIT	QUANT	PRICE	AMOUNT
	Structures				
	Manhole (18'-20' deep)	EA	1		
	Doghouse Manhole (10'-12' deep)	EA	1		
	Total =	EA	2		
	<i>structure check</i>		2		
	Connect to Existing				
	Connect to existing manhole with 8" pipe	EA	1		
	↑	↑			
Subtotal					
IX.	WATER				
	Pipe Excavation and Bedding				
	Excavation	CY	90		
	2A Stone Bedding -- 4" thick and 0" cover	CY	10		
	Select Backfill	CY	70		
	Common Backfill	CY			
	Excess (See Mass Earthwork Overall Summary)	CY	90		
	Pipe				
	6" DIP in landscape	LF	31		
	6" DIP in pavement	LF	147		
	6" DIP in existing East Tenth Avenue pavement	LF	14		
	Total =	LF	192		
	Fittings				
	6" Bend	EA	2		
	6" 90° Bend	EA	1		
	6" x 6" x 6" Tee	EA	1		
	Valves				
	6" Gate Valve and Box	EA	1		
	10" x 10" x 6" Tapping Sleeve and Valve NOTE: <i>To be supplied and installed by the Water Authority.</i>	EA	1		
	Wet Tap	EA	1		
	Hydrants				
	Fire Hydrants NOTE: <i>To be supplied and installed by the Water Authority.</i>	EA	1		
	Testing and Sterilization				
	Flushing and Testing	LF	192		
	Chlorination	LF	192		
	↑	↑			
Subtotal					

	ITEM	UNIT	QUANT	PRICE	AMOUNT
X,	STORM SYSTEM				
	Pipe Excavation and Bedding				
	Excavation	CY	670		
	2A Stone Bedding -- 6" thick and 12" cover	CY	250		
	Select Backfill	CY	390		
	Common Backfill	CY			
	Excess (See Mass Earthwork Overall Summary)	CY	670		
	Cleanouts				
	8" Cleanout Assembly in landscape (0'-4' deep)	EA	1		
	8" Cleanout Assembly in pavement (0'-4' deep)	EA	1		
	8" Cleanout Assembly in pavement (0'-4' deep)	EA	1		
	Pipe				
	8" HDPE in landscape (0'-6' deep)	LF	30		
	8" HDPE in pavement (0'-6' deep)	LF	169		
	12" HDPE in landscape (0'-6' deep)	LF	413		
	12" HDPE in pavement (0'-6' deep)	LF	58		
	12" HDPE in landscape (6'-8' deep)	LF	23		
	15" HDPE in landscape (0'-6' deep)	LF	224		
	15" HDPE in pavement (0'-6' deep)	LF	74		
	Total =	LF	991		
	<i>pipe check</i>		<i>991</i>		
	Structures				
	Type "D" Endwall for 12" Pipe	EA	1		
	Inlets Type "C" (0'-6' deep)	EA	5		
	Inlets Type "C" (6'-8' deep)	EA	1		
	Inlets Type "M" (0'-6' deep) with (4) 4" diameter x 10' long finger drains encased in 12" stone and geotextile	EA	3		
	Manholes, 4' diameter (0'-6' deep)	EA	1		
	Total =	EA	11		
	<i>structure check</i>		<i>11</i>		
	Connect to Existing				
	Connect to existing manhole with 12" pipe	EA	1		
	Connect to existing manhole with 15" pipe	EA	1		
	Outlet Structure				
	Outlet Structure, Precast Concrete with 2' x 2' cast iron grate (6.9'+\ high)	EA	1		

	ITEM	UNIT	QUANT	PRICE	AMOUNT
	Underground Detention Basin				
	Bed Size, 13.5' x 146' long	SF	1,971		
	Excavation	CY	511		
	Excess (See Mass Earthwork Overall Summary)	CY	511		
	Granular Fill, 84" thick	CY	341		
	12" Stub for connection	EA	1		
	15" Stub for connection	EA	1		
	54" 90 degree Bends	EA	2		
	54" Aluminized CMP	LF	279		
	54" Bulkhead with stiffeners	EA	2		
	24" Riser with ladder, concrete collar and manhole frame and cover	EA	3		
	54" diameter orifice plate	EA	1		
	Rip Rap				
	<i>NOTE: No detail provided.</i>				
	Rip Rap Area	SY	9		
	Excavation for Rip Rap	CY	5		
	Rip Rap Volume, assume 18" thick	CY	5		
	Filter Fabric	SY	9		
	↑	↑			
Subtotal					
XI.	TRENCHING FOR MISCELLANEOUS UTILITIES				
	Pipe Excavation and Bedding				
	Excavation	CY	120		
	Sand Bedding -- 6" thick and 6" cover	CY	60		
	Select Backfill	CY	60		
	Common Backfill	CY			
	Excess (See Mass Earthwork Overall Summary)	CY	120		
	Trenching				
	Trenching for 2" gas mains in landscape	LF	72		
	Trenching for 2" gas mains in pavement	LF	146		
	Trenching for underground electric, cable and electric in landscape	LF	114		
	Trenching for underground electric, cable and electric in pavement	LF	40		
	Total =	LF	372		
	↑	↑			
Subtotal					

	ITEM	UNIT	QUANT	PRICE	AMOUNT
XII.	CONCRETE				
	Curb				
	Concrete Curb, 8" x 18" high	LF	1,860		
	Sidewalk				
	Truncated Dome Handicap Marker, cast in place Armor-Tile Tactile System	SF	80		
	6 x 6 W10 WWF Reinforced Concrete, 4" thick	SF	3,239		
	Clean Stone Base, 4" thick	SF	3,239		
	Drive Thru Pad				
	6 x 6 W10 WWF Reinforced Concrete, 6" thick	SF	370		
	2A Stone Base, 6" thick	SF	370		
	Miscellaneous Concrete				
	Precast Wheel Stops	EA	4		
	↑	↑			
Subtotal					
XIII.	PAVEMENT				
	Light Duty Pavement				
	Fine Grade and Compact Subgrade	SY	1,598		
	2A Stone Base Course, 6" thick	SY	1,598		
	ID-2 Asphalt Binder Course, 2-1/2" thick	SY	1,598		
	ID-2 Asphalt Surface Course, 1-1/2" thick	SY	1,598		
	Heavy Duty Pavement				
	Fine Grade and Compact Subgrade	SY	2,053		
	2A Stone Base Course, 8" thick	SY	2,053		
	ID-2 Asphalt Binder Course, 4" thick	SY	2,053		
	ID-2 Asphalt Surface Course, 1-1/2" thick	SY	2,053		
	↑	↑			
Subtotal					

	ITEM	UNIT	QUANT	PRICE	AMOUNT
XIV.	PAVING REMOVAL AND REPLACEMENT FOR UTILITIES				
	Temporary Pavement				
	Install and Remove Temporary Paving	SY	9		
	East Tenth Avenue for Water Line				
	Saw Cut Pavement, full depth	LF	28		
	Saw Cut Pavement, trim back	LF	28		
	Pavement Removal, Assume 6' wide	SY	9		
	Fine Grade and Compact Subgrade	SY	9		
	2A Stone Base Course, _" thick	SY	9		
	Bituminous Stabilized Base Course, _" thick	SY	9		
	Bituminous Wearing Course, _" thick	SY	9		
	↑	↑			
Subtotal					
XV.	STRIPING AND SIGNS				
	Striping				
	Striping Parking Spaces	EA	75		
	Striping Solid White Lines, 4" wide	LF	24		
	Striping Dashed White Lines, 4" wide	LF	205		
	Striping Crosshatch Area (including lines and spaces)	SF	634		
	Striping Crosswalk Area (including lines and spaces)	SF	120		
	Striping Directional Arrows	EA	5		
	Striping Handicap Logo	EA	4		
	Striping Stop Bar, 12" wide	LF	53		
	Word "STOP"	EA	4		
	Drive Thru Striping	EA	1		
	Signs				
	Stop Sign (R1-1) NOTE: Only (2) stop signs are shown on site plan C6, however we assume (1) stop sign per stop bar.	EA	4		
	Handicap Parking Sign (R7-8)	EA	4		
	↑	↑			
Subtotal					

	ITEM	UNIT	QUANT	PRICE	AMOUNT
XVI.	LIGHTING EXCAVATION				
	Excavation and Bedding				
	Excavation	CY	320		
	Bedding -- Assume 6" thick and 12" cover	CY	130		
	Select Backfill	CY	180		
	Common Backfill	CY			
	Excess (See Mass Earthwork Overall Summary)	CY	320		
	Trenching and Base Excavation				
	Trench for site lights -- approximate length	LF	850		
	Excavate for site bases	EA	10		
	↑	↑			
Subtotal					
	TOTAL				

Neighborhood Center
plan dated 5/25/2007

Takeoff by:	T. O'Neill
Summary by:	R. Pifer
Checked by:	R. Decker
Date:	5/25/2007

Abbreviations: BCY = bank cubic yards (or Raw Volumes) SF = square feet LCY = loose cubic yards (swell factor) B.O.C. = bottom of concrete CCY = compacted cubic yards (#,###) = negative number SG = subgrade AS = as shown	Earth_Swell	1.189
	Rock_Swell	1.500
	(Compaction & Swell Assumptions)	
	BCY%	88.00% Existing
	LCY%	74.00% Swelled

See Note 2

Insite File: 7040 Neighborhood Center

(See Note 1)

	DISTURBANCE AREA & STRIPPING						RAW CUT & FILL VOLUMES					VOLUMES ADJUSTED FOR SWELL & COMPACTION ASSUMPTIONS						Approx. Grade Adjust to Balance	
	Subgrade	Surface Area	Total	Area	6" Strip		Cut Earth	Cut Rock	Total Cut	Fill	Balance	Earth	Rock	Proposed	LOOSE CUBIC YARDS				
		SF	SF	Acres	BCY		BCY	BCY	BCY	BCY	BCY	Swell	Swell	Compaction	Cut	Fill	Balance		
ALL AREAS																			
Basin	0.33'	3,383	3,383	0.08	63		250	0	250	155	95	297	0	95.00%	297	199	98	+ 0.78'	
Building Areas	0.67'	13,348	13,348	0.31	247		493	0	493	1,105	(612)	586	0	95.00%	586	1,419	(833)	- 1.68'	
Concrete Areas	0.67'	4,581	4,581	0.11	85		350	0	350	342	8	416	0	95.00%	416	439	(23)	- 0.14'	
Landscape Areas	0.33'	27,579	27,579	0.63	511		460	0	460	7,472	(7,012)	547	0	90.00%	547	9,088	(8,541)	- 8.36'	
Pavement Areas	0.83' & 1.12'	33,939	33,939	0.78	629		3,080	0	3,080	2,790	290	3,662	0	95.00%	3,662	3,582	80	+ 0.06'	
î.		0	0	0.00	0		0	0	0	0	0	0	0	90.00%	0	0	0		
TOTALS		82,830	0	82,830	1.91	1,535	4,633	0	4,633	11,864	(7,231)	5,508	0		5,508	14,727	(9,219)	- 3.01'	
											Excess topsoil =	925					Excess topsoil swelled 25% =	1,156	
											Total Excess (Borrow) Material =	(6,306)					Total Excess (Borrow) Material =	(8,063)	- 2.63'

NOTES:

1 TOPSOIL volumes are NOT included in the RAW and ADJUSTED cut & fill volumes. All earth volumes are calculated, after stripping and to proposed subgrade.

Redistribute Topsoil, 6" thick		3,659	SY
• Topsoil Required	6"	610	CY
• Excess (Borrow) Topsoil		925	CY

2 The last column shows the approximate finish grade adjustment required to achieve a balanced site.

3 Pavement areas above are not to be used for exact pavement areas -- e.g. islands are sometimes included within pavement earthwork areas.

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Neighborhood Center Sample.xls Pipe Excav Worksheet 1.0

Description	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
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I. SANITARY SEWER PIPE EXCAVATION														
4" PVC SDR 35 Lateral in landscape (0'-6' deep)	10	6.0	4"	12.0"	2.33	5	6"	100%	12"	2	0	0	3	2
4" PVC SDR 35 Lateral in pavement (0'-6' deep)	40	6.0	4"	12.0"	2.33	21	6"	100%	12"	6	0	15	0	21
6" PVC SDR 35 Lateral in landscape (0'-6' deep)	20	6.0	6"	12.0"	2.50	11	6"	100%	12"	4	0	0	7	4
6" PVC SDR 35 Lateral in pavement (0'-6' deep)	128	6.0	6"	12.0"	2.50	71	6"	100%	12"	23	1	47	0	71
8" PVC SDR 35 in landscape (14'-16' deep)	505	16.0	8"	18.0"	3.67	1098	6"	100%	12"	142	7	0	949	149
<i>TRUE</i>	703					1206				177	8	62	959	247
Excavation	1206	CY												
Bedding	177	CY												
Select Backfill	62	CY												
Common Backfill	959	CY												
Excess	247	CY												

Description	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
II. WATER PIPE EXCAVATION														
6" DIP in landscape	31	4.8	6"	12.0"	2.50	14	4"	50%	0"	2	0	12	0	14
6" DIP in pavement	147	4.8	6"	12.0"	2.50	65	4"	50%	0"	7	1	57	0	65
6" DIP in existing East Tenth Avenue pavement	14	4.8	6"	12.0"	2.50	6	4"	50%	0"	1	0	5	0	6
î	0	0.0	0"	12.0"	2.00	0	6"	100%	12"	0	0	0	0	0
<i>TRUE</i>	192					85				10	1	74	0	85
Excavation	85	CY												
Bedding	10	CY												
Select Backfill	74	CY												
Common Backfill	0	CY												
Excess	85	CY												

Neighborhood Center Sample.xls Pipe Excav Worksheet 1.0

Description	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
III. STORM PIPE EXCAVATION														
8" HDPE in landscape (0'-6' deep)	30	6.0	8"	12.0"	2.67	18	6"	100%	12"	6	0	12	0	18
8" HDPE in pavement (0'-6' deep)	169	6.0	8"	12.0"	2.67	100	6"	100%	12"	34	2	64	0	100
12" HDPE in landscape (0'-6' deep)	413	6.0	12"	12.0"	3.00	275	6"	100%	12"	103	12	160	0	275
12" HDPE in pavement (0'-6' deep)	58	6.0	12"	12.0"	3.00	39	6"	100%	12"	14	2	23	0	39
12" HDPE in landscape (6'-8' deep)	23	8.0	12"	12.0"	3.00	20	6"	100%	12"	6	1	13	0	20
15" HDPE in landscape (0'-6' deep)	224	6.0	15"	12.0"	3.25	162	6"	100%	12"	64	10	88	0	162
15" HDPE in pavement (0'-6' deep)	74	6.0	15"	12.0"	3.25	53	6"	100%	12"	21	3	29	0	53
î	0	0.0	0"	12.0"	2.00	0	6"	100%	12"	0	0	0	0	0
	<i>TRUE</i>	991				667				248	30	389	0	667
Excavation	667	CY												
Bedding	248	CY												
Select Backfill	389	CY												
Common Backfill	0	CY												
Excess	667	CY												

Neighborhood Center Sample.xls Pipe Excav Worksheet 1.0

Description	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
IV. MISCELLANEOUS UTILITIES EXCAVATION														
Trenching for 2" gas mains in landscape	72	3.0	2"	14.0"	2.50	20	6"	100%	12"	11	0	9	0	20
Trenching for 2" gas mains in pavement	146	3.0	2"	13.0"	2.33	38	6"	100%	12"	21	0	17	0	38
Trenching for underground electric, cable and electric in landscape	114	4.0	4"	13.0"	2.50	42	6"	100%	12"	19	0	23	0	42
Trenching for underground electric, cable and electric in pavement	40	4.0	4"	14.0"	2.67	16	6"	100%	12"	7	0	9	0	16
î	0	0.0	0"	12.0"	2.00	0	6"	100%	12"	0	0	0	0	0
<i>TRUE</i>	372					116				58	0	58	0	116
Excavation	116	CY												
Bedding	58	CY												
Select Backfill	58	CY												
Common Backfill	0	CY												
Excess	116	CY												

Neighborhood Center Sample.xls Pipe Excav Worksheet 1.0

Description	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
V. SITE LIGHTING EXCAVATION														
Trench for site lights -- approximate length	850	4.0	2"	14.0"	2.50	315	6"	100%	12"	130	1	184	0	315
î	0	0.0	0"	12.0"	2.00	0	6"	100%	12"	0	0	0	0	0
<i>TRUE</i>	850					315				130	1	184	0	315
Excavation	315	CY												
Bedding	130	CY												
Select Backfill	184	CY												
Common Backfill	0	CY												

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)
										(including bury)			(within excavated area only)					
Neighborhood Center										<p>This takeoff has been prepared by <i>Walsh Estimating Service</i>, a division of Maracorp International:</p> <p>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.</p> <p>By acceptance of this takeoff, the purchaser agrees to the following statement:</p> <p>"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."</p>								
100 Development Boulevard																		
Pennsylvania																		
Prepared: 5/25/2007																		
Wall Location: West of Site																		
p. 3	0+00	0.00	479.00	478.00	478.00	1.00	2.00	3.00	0.00	Cut	2.00	0.00	3.00	1.5H:1V	0.00	24"	12"	0.00
	0+22	22.00	480.00	472.00	472.00	8.00	2.00	10.00	143.00	Cut	2.00	0.00	3.00	1.5H:1V	7.33	24"	12"	2.44
	0+35	13.00	482.89	470.05	470.01	12.84	2.00	14.84	161.46	Cut	1.96	0.00	3.00	1.5H:1V	4.28	24"	12"	1.42
	0+49	14.00	486.00	467.95	468.01	18.05	2.00	20.05	244.23	Cut	2.06	0.00	3.00	1.5H:1V	4.70	24"	12"	1.57
	0+62	13.00	488.00	466.00	466.00	22.00	2.00	24.00	286.33	Cut	2.00	0.00	3.00	1.5H:1V	4.42	24"	12"	1.49
	0+90	28.00	488.00	460.00	460.00	28.00	2.00	30.00	756.00	Cut	2.00	0.00	3.00	1.5H:1V	9.33	24"	12"	3.11
	1+02	12.00	482.00	458.00	458.00	24.00	2.00	26.00	336.00	Cut	2.00	0.00	3.00	1.5H:1V	4.00	24"	12"	1.33
	1+32	30.00	478.00	456.00	456.00	22.00	2.00	24.00	750.00	Cut	2.00	0.00	3.00	1.5H:1V	10.00	24"	12"	3.33
	1+50	18.00	472.00	454.00	454.00	18.00	2.00	20.00	396.00	Cut	2.00	0.00	3.00	1.5H:1V	6.00	24"	12"	2.00
	1+86	36.00	460.00	452.00	452.00	8.00	2.00	10.00	540.00	Cut	2.00	0.00	3.00	1.5H:1V	12.00	24"	12"	4.00
	1+92	6.00	458.00	451.63	451.25	6.37	2.00	8.37	55.11	Cut	1.62	0.00	3.00	1.5H:1V	1.75	24"	12"	0.54
	2+10	18.00	452.00	450.50	450.50	1.50	2.00	3.50	106.83	Cut	2.00	0.00	3.00	1.5H:1V	5.26	24"	12"	1.64
		210.00				17.98	avg. height		3,775						69			23

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)
Wall Location: Northwest of Parking Lot																		
p. 3	0+00	0.00	507.00	506.00	507.50	1.00	2.00	3.00	0.00	Cut	3.00	0.00	3.00	1.5H:1V	0.00	24"	12"	0.00
	0+14	14.00	508.33	506.33	508.00	2.00	2.00	4.00	49.00	Cut	3.67	0.00	3.00	1.5H:1V	9.51	24"	12"	4.32
	0+21	7.00	509.00	506.50	509.00	2.50	2.00	4.50	29.75	Cut	4.50	0.00	3.00	1.5H:1V	6.42	24"	12"	3.24
	0+28	7.00	509.74	506.87	510.00	2.87	2.00	4.87	32.80	Cut	4.87	0.00	3.00	1.5H:1V	7.91	24"	12"	4.27
	0+40	12.00	511.00	507.50	510.78	3.50	2.00	5.50	62.22	Cut	5.28	0.00	3.00	1.5H:1V	15.35	24"	12"	8.58
	0+51	11.00	511.50	508.00	511.50	3.50	2.00	5.50	60.50	Cut	5.50	0.00	3.00	1.5H:1V	15.46	24"	12"	8.87
	0+65	14.00	511.00	508.50	511.12	2.50	2.00	4.50	70.00	Cut	4.50	0.00	3.00	1.5H:1V	17.50	24"	12"	9.72
	1+06	41.00	510.00	508.70	510.00	1.30	2.00	3.30	159.90	Cut	3.30	0.00	3.00	1.5H:1V	35.09	24"	12"	17.32
	1+19	13.00	509.20	508.80	509.00	0.40	2.00	2.40	37.05	Cut	2.20	0.00	3.00	1.5H:1V	6.70	24"	12"	2.73
		119.00				4.21	avg. height		501						114			59

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)
Wall Location: East of Parking Lot																		
p. 3	0+00	0.00	511.00	510.00	511.00	1.00	2.00	3.00	0.00	Cut	3.00	0.00	3.00	1.5H:1V	0.00	24"	12"	0.00
	0+08	8.00	512.00	509.30	512.00	2.70	2.00	4.70	30.80	Cut	4.70	0.00	3.00	1.5H:1V	6.72	24"	12"	3.30
	0+28	20.00	513.38	509.58	513.24	3.80	2.00	5.80	105.00	Cut	5.66	0.00	3.00	1.5H:1V	26.42	24"	12"	14.91
	0+37	9.00	514.00	509.70	513.80	4.30	2.00	6.30	54.45	Cut	6.10	0.00	3.00	1.5H:1V	14.52	24"	12"	8.64
	1+02	65.00	514.00	508.60	513.80	5.40	2.00	7.40	445.25	Cut	7.20	0.00	3.00	1.5H:1V	127.87	24"	12"	79.84
	1+97	95.00	512.00	508.60	512.10	3.40	2.00	5.40	608.00	Cut	5.40	0.00	3.00	1.5H:1V	171.24	24"	12"	104.74
	2+04	7.00	510.00	508.11	512.20	1.89	2.00	3.89	32.52	Cut	3.89	0.00	3.00	1.5H:1V	7.81	24"	12"	4.20
		204.00				6.25	avg. height		1,276						355			216
	TOTALS =	533.00				10.42	avg. height		5,552						538			298