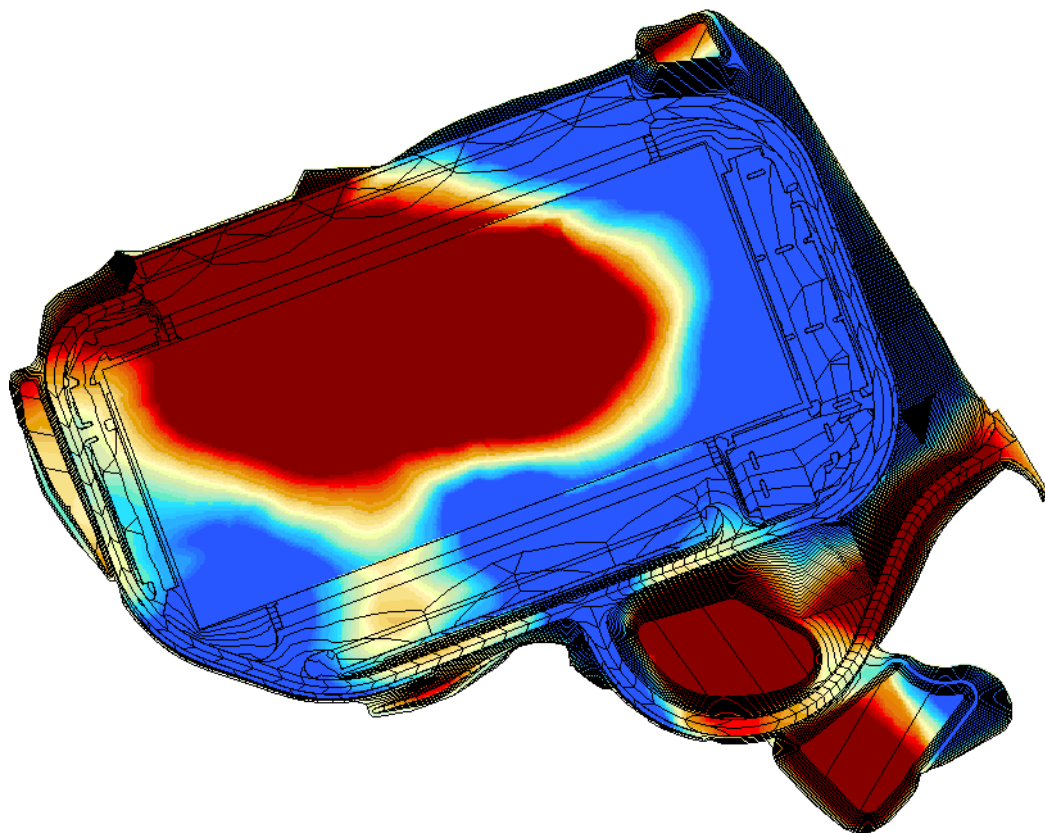


DIRTLOGIC^{LLC}



"Take the guesswork out of dirtwork"

WAREHOUSE - SAMPLE TAKE-OFF



Balance Summary

Volumes:

Total Cut	480,273.00 CY
Total Fill	555,194.00 CY
Import	74,921.00 CY
Per 1/10 of a foot change	8,404.00 CY

Prepared By

DirtLogic, LLC.

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QUANTITY SUMMARY

2

Site Summary

Area:

Total SF	2,269,493.00 SF
Cut SF	1,068,352.00 SF
Fill SF	1,184,095.00 SF
On Grade SF	17,046.00 SF
Stripping Region SF	2,282,260.00 SF

** Balance Summary

Volumes:

Total Cut	480,273.00 CY
Total Fill	555,194.00 CY
Import	74,921.00 CY
Per 1/10 of a foot change	8,404.00 CY

Existing Site Preparation: Clearing, Stripping, Demolition

Volume:

8" Strip @	8" Depth	56,380.00 CY
Total Strip =		56,380.00 CY

Notes

All Paving Sections are figured to back of Curb

The Scale that this plan was scaled at was Electronic

Strippings- Assumed Areas as per plan

Anyone using this report should verify all Sectional Depths & Assumptions

* Stripping Quantities are not included in the Total Cut Volumes above
and should be treated as separate quantities

** No compaction factor, shrink or swell conversions were taken into
account in these calculations

Exclusions

Footing Excavation

Trench Spoils



MATERIAL AREAS

Material Areas	Depth	Sh#	Slope Areas	Volume to Subgrade	
				Cut	Fill
Basin #1	18.0 "	Section	24,695 SF	1,513 CY	140 CY
Basin #2	18.0 "	Section	15,991 SF	1,737 CY	757 CY
Basin #3	18.0 "	Section	77,458 SF	40,740 CY	54 CY
Basin #4	18.0 "	Section	71,934 SF	23,318 CY	4,003 CY
Building	13.0 "	Section	808,300 SF	269,372 CY	99,103 CY
Dolly Pad	14.0 "	Section	19,431 SF	3,953 CY	5,396 CY
Drive Access - AC	16.5 "	Section	179,513 SF	17,408 CY	69,798 CY
Island Planter	12.0 "	Section	49,507 SF	78 CY	20,076 CY
Landscape	6.0 "	Section	501,328 SF	43,267 CY	150,552 CY
Loading Dock	14.0 "	Section	127,735 SF	27,348 CY	26,770 CY
Parking - AC	10.0 "	Section	157,849 SF	4,098 CY	103,708 CY
Sidewalk	8.0 "	Section	10,059 SF	406 CY	4,976 CY
Truck Court - AC	14.0 "	Section	250,473 SF	47,035 CY	69,861 CY

Job: Warehouse - Take-off
Units: Ft-CY
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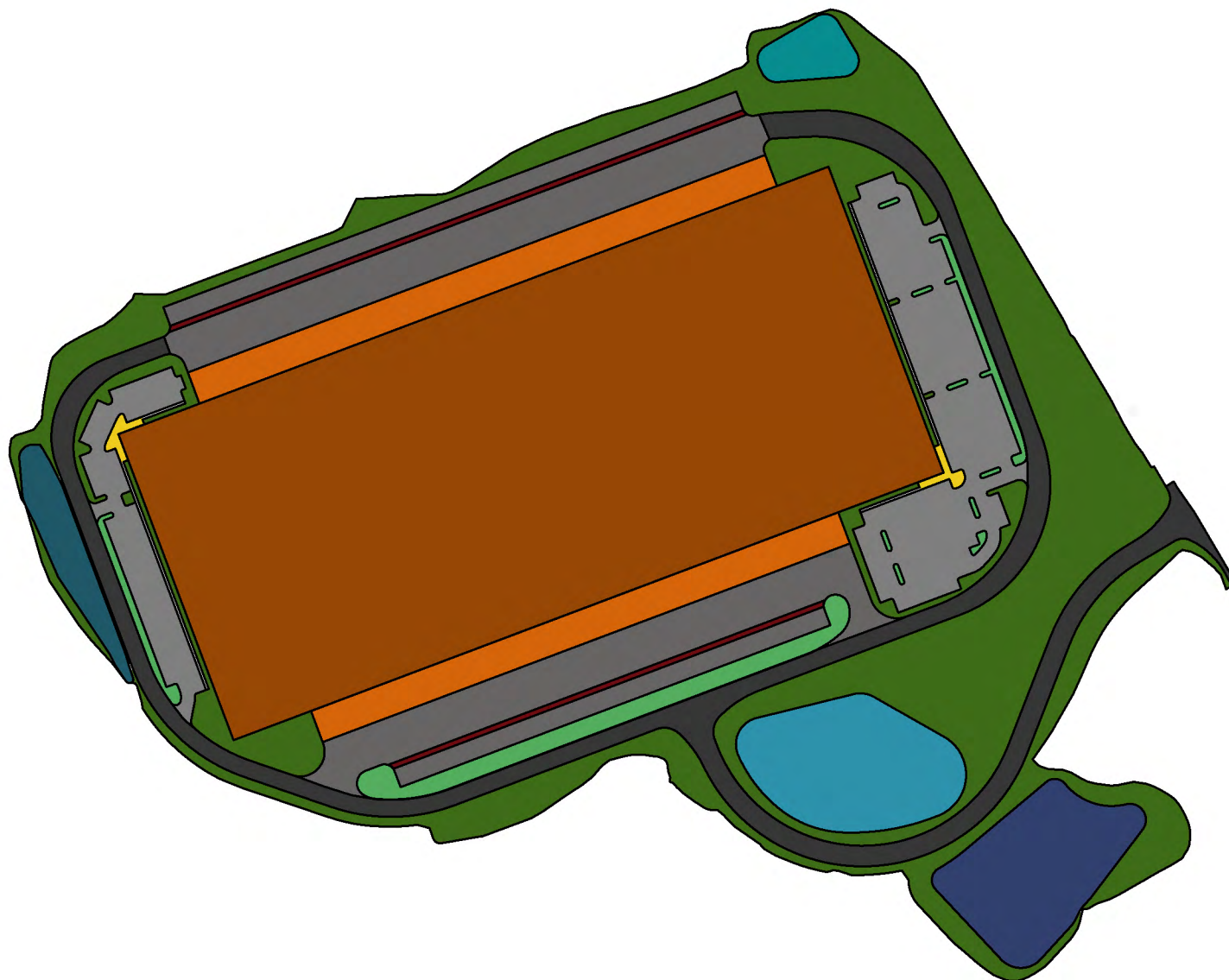
Volume Report
Subgrade vs. Stripped

	Area				Volume		Comp/Ratio		Compact		Export	Change
	Total	Cut	Fill	OnGrade	Cut	Fill	Cut	Fill	Cut	Fill	-Import	Per .1 Ft
Basin #1	24,330	20,347	3,512	471	1,513	140	1.00	1.00	1,513	140	1,373	90
Basin #2	15,549	10,827	4,559	163	1,737	757	1.00	1.00	1,737	757	980	58
Basin #3	76,357	75,518	782	57	40,740	54	1.00	1.00	40,740	54	40,686	283
Basin #4	70,909	54,802	15,852	255	23,318	4,003	1.00	1.00	23,318	4,003	19,315	263
Basin Sub:	187,145	161,494	24,705	946	67,308	4,954			67,308	4,954	62,354	694
Building	808,300	505,165	298,333	4,802	269,372	99,103	1.00	1.00	269,372	99,103	170,269	2,994
Dolly Pad	8,340	1,252	6,948	140	47	3,013	1.00	1.00	47	3,013	-2,966	31
Dolly Pad	11,086	6,290	4,715	81	3,906	2,383	1.00	1.00	3,906	2,383	1,523	41
Dolly Sub:	19,426	7,542	11,663	221	3,953	5,396			3,953	5,396	-1,443	72
Drive Access - AC	177,210	60,659	114,259	2,292	17,408	69,798	1.00	1.00	17,408	69,798	-52,390	656
Island Planter	318	0	318	0	0	344	1.00	1.00	0	344	-344	1
Island Planter	318	0	318	0	0	407	1.00	1.00	0	407	-407	1
Island Planter	6,606	0	6,606	0	0	7,487	1.00	1.00	0	7,487	-7,487	24
Island Planter	318	0	318	0	0	373	1.00	1.00	0	373	-373	1
Island Planter	318	0	318	0	0	207	1.00	1.00	0	207	-207	1
Island Planter	318	0	318	0	0	271	1.00	1.00	0	271	-271	1
Island Planter	318	0	318	0	0	225	1.00	1.00	0	225	-225	1
Island Planter	318	0	318	0	0	160	1.00	1.00	0	160	-160	1
Island Planter	5,389	0	5,389	0	0	524	1.00	1.00	0	524	-524	20
Island Planter	33,927	2,105	31,528	294	78	9,614	1.00	1.00	78	9,614	-9,536	126
Island Planter	595	0	595	0	0	464	1.00	1.00	0	464	-464	2
Island Sub:	48,743	2,105	46,344	294	78	20,076			78	20,076	-19,998	179
Landscape	485,184	169,443	311,243	4,498	43,267	150,552	1.00	1.00	43,267	150,552	-107,285	1,797
Loading Dock	60,939	4,283	55,659	997	90	18,538	1.00	1.00	90	18,538	-18,448	226
Loading Dock	66,736	47,462	19,098	176	27,258	8,232	1.00	1.00	27,258	8,232	19,026	247
Loading Sub:	127,675	51,745	74,757	1,173	27,348	26,770			27,348	26,770	578	473
Parking - AC	113,482	0	113,482	0	0	101,020	1.00	1.00	0	101,020	-101,020	420
Parking - AC	42,859	18,099	23,936	824	4,098	2,688	1.00	1.00	4,098	2,688	1,410	159
Parking Sub:	156,341	18,099	137,418	824	4,098	103,708			4,098	103,708	-99,610	579
Sidewalk	4,858	3,334	1,479	45	406	220	1.00	1.00	406	220	186	18
Sidewalk	5,198	0	5,198	0	0	4,756	1.00	1.00	0	4,756	-4,756	19
Sidewalk Sub:	10,056	3,334	6,677	45	406	4,976			406	4,976	-4,570	37
Truck Court - AC	130,231	76,228	53,560	443	46,573	27,777	1.00	1.00	46,573	27,777	18,796	482
Truck Court - AC	119,182	12,538	105,136	1,508	462	42,084	1.00	1.00	462	42,084	-41,622	441
Truck Sub:	249,413	88,766	158,696	1,951	47,035	69,861			47,035	69,861	-22,826	923
Regions Total	2,269,493	1,068,352	1,184,095	17,046	480,273	555,194			480,273	555,194	-74,921	8,404

Stripping Qtys	Plane Area	Slope Area	Depth	Volume
8" Strip	2,269,491	2,282,260	0.667	56,380
Sectional Qtys	Plane Area	Slope Area	Depth	Volume
Basin #1	24,330	24,695	1.500	1,372
Basin #2	15,549	15,991	1.500	888
Basin #3	76,357	77,458	1.500	4,303
Basin #4	70,908	71,934	1.500	3,996
Basin Sub:	187,144	190,078		10,559
Building	808,300	808,300	1.083	32,422
Dolly Pad	11,086	11,088	1.167	479
Dolly Pad	8,340	8,343	1.167	361
Dolly Sub:	19,426	19,431		840
Drive Access - AC	177,210	179,513	1.375	9,142
Island Planter	318	318	1.000	12
Island Planter	318	318	1.000	12
Island Planter	318	318	1.000	12
Island Planter	5,389	5,445	1.000	202
Island Planter	33,927	34,609	1.000	1,282
Island Planter	318	319	1.000	12
Island Planter	318	318	1.000	12
Island Planter	595	595	1.000	22
Island Planter	318	318	1.000	12
Island Planter	318	319	1.000	12
Island Planter	6,605	6,630	1.000	246
Island Sub:	48,742	49,507		1,836
Landscape	485,184	501,328	0.500	9,284
Loading Dock	60,939	60,970	1.167	2,635
Loading Dock	66,736	66,765	1.167	2,886
Loading Sub:	127,675	127,735		5,521
Parking - AC	113,482	114,486	0.833	3,532
Parking - AC	42,859	43,363	0.833	1,338
Parking Sub:	156,341	157,849		4,870
Sidewalk	5,198	5,199	0.667	128
Sidewalk	4,858	4,860	0.667	120
Sidewalk Sub:	10,056	10,059		248
Truck Court - AC	130,231	130,610	1.167	5,645
Truck Court - AC	119,182	119,863	1.167	5,181
Truck Sub:	249,413	250,473		10,826
Sectional Total	2,269,491	2,294,273		85,548

Material Areas

-  Basin #1
-  Basin #2
-  Basin #3
-  Basin #4
-  Building
-  Dolly Pad
-  Drive Access - AC
-  Island Planter
-  Landscape
-  Loading Dock
-  Parking - AC
-  Sidewalk
-  Truck Court - AC

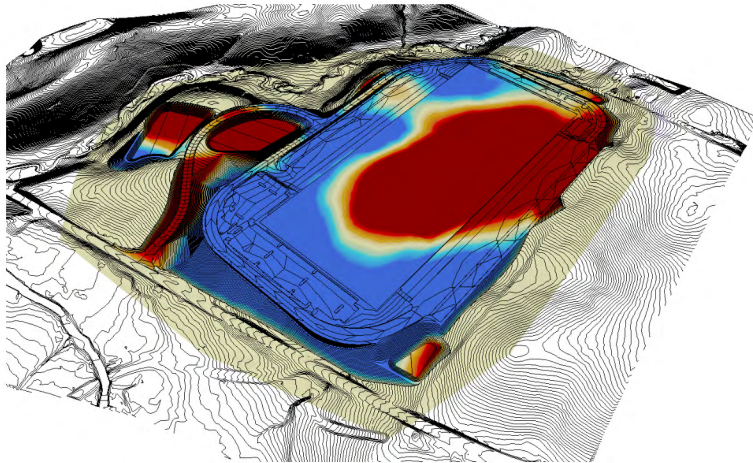
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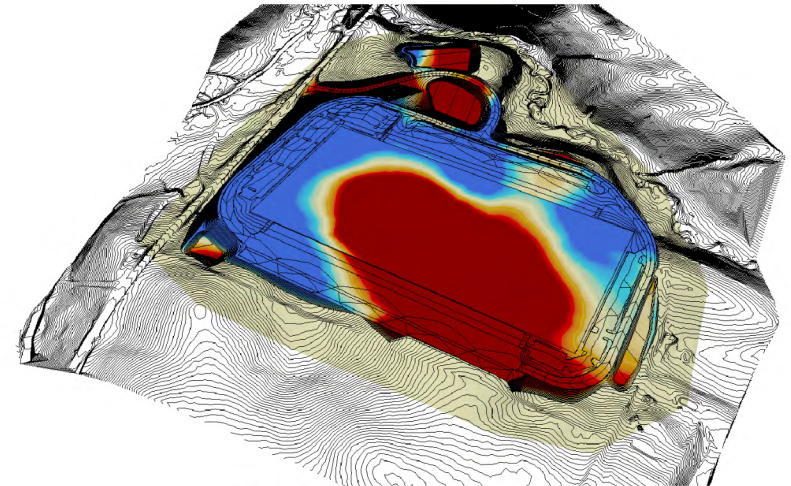
DIRTLOGIC, LLC.
1-877-775-6442
PLANS@DIRTLOGIC.COM

DirtLogic - Warehouse - Sample Takeoff
SECTIONAL AREA LAYOUT

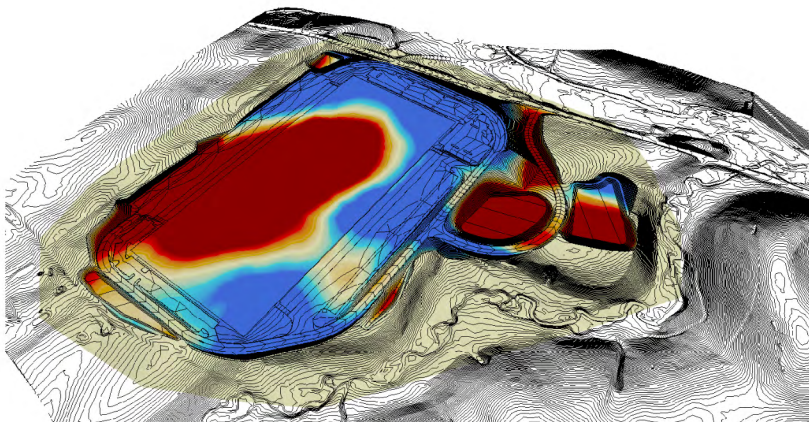




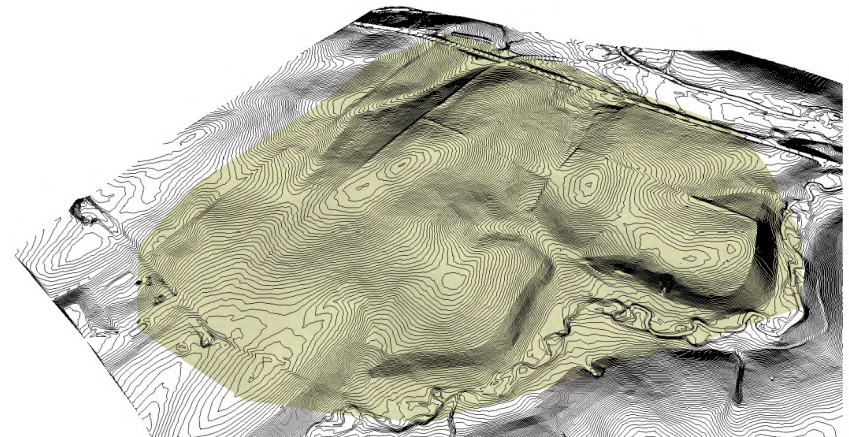
PROPOSED GROUND



PROPOSED GROUND



PROPOSED GROUND



EXISTING GROUND

[NOT TO SCALE]



DIRTLOGIC LLC

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DirtLogic - Warehouse - Sample Takeoff
3D VIEWS



Q.C. CHECKLIST

Here is a series of checks we have run that you can also use.

Title Page:

- ☐ Project name is correct and descriptive
- ☐ Spelling of Project name is correct
- ☐ Date is correct

Summary:

- ☐ Project name matches name on Title Page
- ☐ Quantities in the Site Summary, Site Strippings and Balance Summary compare to the Job Total on the Volume Report
- ☐ Stripping depths are correct and Named appropriately
- ☐ Additional Notes are correctly documented

Material Areas (Summary page 2):

- ☐ Naming Scheme complies to [DirtLogic Standards](#)
- ☐ Sectional Depths are correct and the Section Breakout equates to total Sectional Depth listed
- ☐ Material Types are correctly listed along the Section Breakout
- ☐ Slope Areas and Volumes compare to the Volume Report
- ☐ All Exclusions and Notes are listed correctly (if any)

Volume Report:

- ☐ Surface Comparison is correct for this particular project's needs
- ☐ Project Name matches name on Title Page
- ☐ Units are correct
- ☐ Date is correct
- ☐ No Negatives or 0's are found throughout entire Volume Report were they shouldn't be
- ☐ Regions Total S.F. should be relatively close in comparison to the Sections Total S.F.
- ☐ Naming Scheme complies to [DirtLogic Standards](#)
- ☐ Sectional Depths are consistent throughout

Sectional Area Layout:

- ☐ Legend Hatch Type compares to AreaHatch Types
- ☐ Scale and North Arrow are correct
- ☐ Project name matches name on Title Page

Cut/Fill Grid Map/3D Views:

- ☐ Layout complies to [DirtLogic Standards](#)
- ☐ Project Name matches name on Title Page
- ☐ Building Pad/s is flat across entire area
- ☐ No unusual Cut/Fill Depths are shown

Electronic Files:

- ☐ Compare Agtek files, AutoCAD Files and Plan Sheets for discrepancies
- ☐ Terrain Modeling is clean and complete in Design and Existing Surface (Walls, Pads, Curbs, etc.)
- ☐ Project Daylights at Perimeter where it is supposed to
- ☐ No Over-Lapping Regions (Alt+F)
- ☐ **"Follow Up"**

Technician:

Initial: XXXXX

Date: XXXX

DirtLogic Breakdown Report : Help Guide

**Volume Report
Subgrade vs. Stripped**

	Total	Area		Volume		Comp/Ratio		Compact		Export	Change
		Cut	Fill	OnGrade	Cut	Fill	Cut	Fill	Cut	-Import	Per .1 Ft
A Building Pad	2,946	2,946	0	0	990	0	1.00	1.00	990	0	990
Drive Entrance	874	872	0	2	161	0	1.00	1.00	161	0	161
Garage Pad	3,265	3,265	0	0	1,371	0	1.00	1.00	1,371	0	1,371
Planter	141	141	0	0	19	0	1.00	1.00	19	0	19
Sidewalk	186	117	44	25	3	0	1.00	1.00	3	0	3
Sidewalk	2,883	2,583	200	100	234	4	1.00	1.00	234	4	230
Sidewalk Sub:	3,069	2,700	244	125	237	4			237	4	233
Regions Total	10,295	9,924	244	127	2,778	4			2,778	4	2,774
Unspecified	9,258	7,003	1,764	491	567	39	1.00	1.00	567	39	528
I Job Total	19,553	16,927	2,008	618	3,345	43			3,345	43	3,302

Stripping Qtys	Plane Area	Slope Area	Depth	Volume
6in Strip	19,546	20,117	0.500	373

Sectional Qtys	Plane Area	Slope Area	Depth	Volume
Building Pad	2,946	2,947	1.000	109

L

What is a Breakdown Report?

A breakdown report is a report of the total compilation of all the information that has been imputed into the our earthwork-engineering programs.

- A. This is the total square foot area of the regions. (Regions are individual features i.e. Roads, Sidewalks, Buildings, etc. these are used to quantify areas and to find sub-grade)
- B. This shows how much of that region's total square foot area is in a cut and how much is in a fill.
- C. This identifies the cubic yardage of cut/fill that lies within those regions.
- D. This is the fill ratio that can be added to the fill quantity upon request for figuring dirt expansion.
- E. This is the total cubic yardage of export/import that lies within a specific region.
- F. This is the cubic yardage change per raising/lowering the regions or the entire site .1 ft. (useful for developing a balanced site)
- G. This is the Subtotal of all the regions combined.
- H. The unspecified is all the area that does not lie within a specified region, but is still part of the job.
- I. This is the subtotal of the regions and the unspecified combined. It is the overall quantities for the entire job.
- J. This includes the name, depth, area, and cubic yardage of site strippings.
- K. This is the breakdown of the regions, which gives the thickness of the section to sub-grade, the area of the region, and the volume of material that lies within that region.
- L. This is the actual area, taking into account slopes.



*"Take the **guesswork** out of **dirtwork**!"*

Disclaimer

- **DirtLogic (DL) take-offs are created as per the grading plans during estimating phase of this project. If a Geotech report is available DL will use it to verify Clear and Grubbing depths.**
- DirtLogic runs it's take-offs to the **bottom of rock, not the bottom of structural fill unless otherwise noted in this report.**
- **Please note** that variations in graphical representations may have been employed to promote clarity of the plans. Variations may include the size, location, orientation or omission of various plan entities. Anyone using this information should verify conformance to the approved plans, details, specifications and any subsequent revisions thereto. The user accepts all responsibility for the use and/or propagation of this information.
- **Lengths, Counts, Areas and Depths herein**, are taken from Engineer produced drawings and are not produced in our office or by our employees. However, we do our best to search out any errors that might occur but don't guarantee that there aren't any. We note any assumptions that might be made by us due to lack of information provided. The information DL provides in these reports is only as good as the information DL is provided with. DL is not responsible for changes made during construction that differ from plans used during the estimating phase of this project unless otherwise noted in this report.
- **Quality Assurance** measures are taken very seriously here using Proprietary software developed by DirtLogic, LLC. and are only proven to work within our defined scope of work; **being within the limits of grading only.** Takeoff software cannot calculate anything outside of that defined scope, so we can't insure that any quantities given outside of that scope will be correct and accounted for. Any quantities that might be included outside of our scope are given as a convenience, and should be verified before use as we don't always have all project specifications and are limited to what has been supplied to us by the client or Engineer.
- The **CUSTOMER** is advised to check all electronic media for computer viruses before loading the files. The customer is fully responsible for intercepting and disabling viruses, if any, that may be inadvertently transmitted with the electronic files and hereby agrees to indemnify and hold DirtLogic, LLC. Harmless from and against all claims of any type or nature asserted by customer or any party as a result of viruses inadvertently transmitted with the electronic files.

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