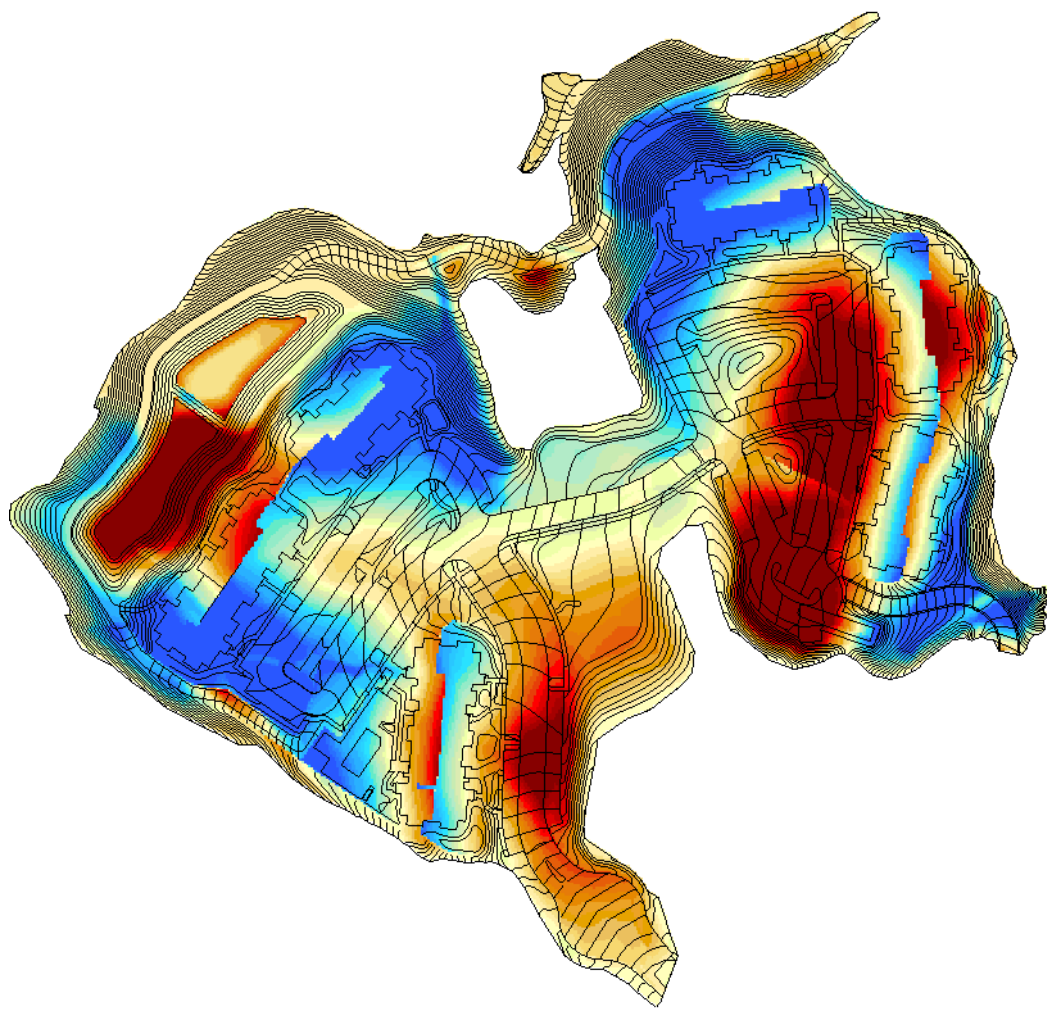


DIRTLOGIC^{LLC}



"Take the guesswork out of dirtwork"

APARTMENTS - SAMPLE TAKE-OFF



Balance Summary

Volumes:

Total Cut	43,533.00 CY
Total Fill	57,129.00 CY
Import	13,596.00 CY
Per 1/10 of a foot change	2,476.00 CY

Prepared By

DirtLogic, LLC.

T: 1.877.775.6442

E: Plans@DirtLogic.com

www.DirtLogic.com



QUANTITY SUMMARY

Site Summary

Area:

Total SF	668,738.00 SF
Cut SF	329,719.00 SF
Fill SF	318,659.00 SF
On Grade SF	20,360.00 SF
Stripping Region SF	679,431.00 SF

** Balance Summary

Volumes:

Total Cut	43,533.00 CY
Total Fill	57,129.00 CY
Import	13,596.00 CY
Per 1/10 of a foot change	2,476.00 CY

Existing Site Preparation: Clearing, Stripping, Demolition

Volume:

1.5" Grind @	1.5" Depth	2.00 CY
6" Strip @	6" Depth	9,625.00 CY
Previously Stripped @	0" Depth	0.00 CY
Total Strip =		9,627.00 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
1.5" Inlay	1.5 "	Section	440 SF	0 CY	1 CY
Bioretention - Bottom	60.0 "	Section	16,186 SF	4,363 CY	0 CY
Bioretention - Slope	0.0 "	Section	23,636 SF	2,133 CY	160 CY
Building #1	8.0 "	Section	15,260 SF	861 CY	852 CY
Building #2	8.0 "	Section	15,253 SF	667 CY	3,241 CY
Building #3	8.0 "	Section	12,170 SF	12 CY	3,478 CY
Building #4	8.0 "	Section	12,238 SF	0 CY	3,853 CY
Building #5	8.0 "	Section	12,237 SF	1,296 CY	421 CY
Building #6	8.0 "	Section	12,171 SF	287 CY	820 CY
Driveway	12.0 "	Section	156 SF	29 CY	0 CY
Dumpster Recycle	15.0 "	Section	1,403 SF	303 CY	33 CY
Heavy Duty - AC	11.0 "	Section	73,519 SF	8,892 CY	4,586 CY
Island Planter	12.0 "	Section	26,314 SF	2,921 CY	1,007 CY
Landscape	6.0 "	Section	331,251 SF	12,260 CY	30,074 CY
Light Duty - AC	9.0 "	Section	58,659 SF	6,357 CY	4,064 CY
Main Entry - AC	12.5 "	Section	12,940 SF	1,315 CY	0 CY
Pedestrian Path	7.5 "	Section	21,213 SF	481 CY	1,536 CY
Pool	0.0 "	Section	1,279 SF	0 CY	205 CY
Pool Area	9.0 "	Section	5,631 SF	3 CY	803 CY
Rip Rap	12.0 "	Section	2,368 SF	87 CY	0 CY
Shoulder	11.0 "	Section	951 SF	17 CY	157 CY
Sidewalk	9.0 "	Section	23,838 SF	1,249 CY	1,838 CY

Job: Apartments - Sample Take-off

Units: Ft-CY

Wed Aug 19, 2020 15:17:37 Page 1

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
1.5" Inlay	439	1	143	295	0	1	1.00	1.00	0	1	-1	2
Bioretention - Bottom	8,042	8,042	0	0	719	0	1.00	1.00	719	0	719	30
Bioretention - Bottom	8,144	8,144	0	0	3,644	0	1.00	1.00	3,644	0	3,644	30
Bioretention - Slope	22,953	13,154	6,467	3,332	2,133	160	1.00	1.00	2,133	160	1,973	85
Bioretention Sub:	39,139	29,340	6,467	3,332	6,496	160			6,496	160	6,336	145
Building #1	15,251	6,946	8,104	201	861	852	1.00	1.00	861	852	9	56
Building #2	15,246	4,042	11,157	47	667	3,241	1.00	1.00	667	3,241	-2,574	56
Building #3	12,170	405	11,686	79	12	3,478	1.00	1.00	12	3,478	-3,466	45
Building #4	12,237	3	12,215	19	0	3,853	1.00	1.00	0	3,853	-3,853	45
Building #5	12,237	7,766	4,220	251	1,296	421	1.00	1.00	1,296	421	875	45
Building #6	12,170	4,311	7,552	307	287	820	1.00	1.00	287	820	-533	45
Building Sub:	79,311	23,473	54,934	904	3,123	12,665			3,123	12,665	-9,542	292
Driveway	156	156	0	0	29	0	1.00	1.00	29	0	29	1
Dumpster Recycle	1,396	1,089	297	10	303	33	1.00	1.00	303	33	270	5
Heavy Duty - AC	4,754	932	3,784	38	85	919	1.00	1.00	85	919	-834	18
Heavy Duty - AC	37,827	16,207	20,330	1,290	2,113	2,723	1.00	1.00	2,113	2,723	-610	140
Heavy Duty - AC	3,785	3,785	0	0	1,242	0	1.00	1.00	1,242	0	1,242	14
Heavy Duty - AC	26,863	20,020	6,671	172	5,452	944	1.00	1.00	5,452	944	4,508	99
Heavy Sub:	73,229	40,944	30,785	1,500	8,892	4,586			8,892	4,586	4,306	271
Island Planter	775	775	0	0	298	0	1.00	1.00	298	0	298	3
Island Planter	5,769	5,769	0	0	1,288	0	1.00	1.00	1,288	0	1,288	21
Island Planter	161	160	0	1	24	0	1.00	1.00	24	0	24	1
Island Planter	13,495	8,087	5,085	323	1,263	328	1.00	1.00	1,263	328	935	50
Island Planter	5,885	1,262	4,537	86	43	679	1.00	1.00	43	679	-636	22
Island Planter	132	130	0	2	5	0	1.00	1.00	5	0	5	0
Island Sub:	26,217	16,183	9,622	412	2,921	1,007			2,921	1,007	1,914	97
Landscape	323,394	145,922	165,042	12,430	12,260	30,074	1.00	1.00	12,260	30,074	-17,814	1,198
Light Duty - AC	2,196	2,196	0	0	672	0	1.00	1.00	672	0	672	8
Light Duty - AC	1,530	1,530	0	0	260	0	1.00	1.00	260	0	260	6
Light Duty - AC	12,342	2,339	9,788	215	79	2,365	1.00	1.00	79	2,365	-2,286	46
Light Duty - AC	5,751	5,751	0	0	697	0	1.00	1.00	697	0	697	21
Light Duty - AC	8,932	2,606	6,084	242	86	851	1.00	1.00	86	851	-765	33
Light Duty - AC	5,722	5,722	0	0	1,143	0	1.00	1.00	1,143	0	1,143	21
Light Duty - AC	7,610	5,146	2,410	54	1,101	190	1.00	1.00	1,101	190	911	28
Light Duty - AC	2,816	2,816	0	0	769	0	1.00	1.00	769	0	769	10
Light Duty - AC	6,937	4,594	2,257	86	783	449	1.00	1.00	783	449	334	26
Light Duty - AC	1,142	0	1,142	0	0	209	1.00	1.00	0	209	-209	4

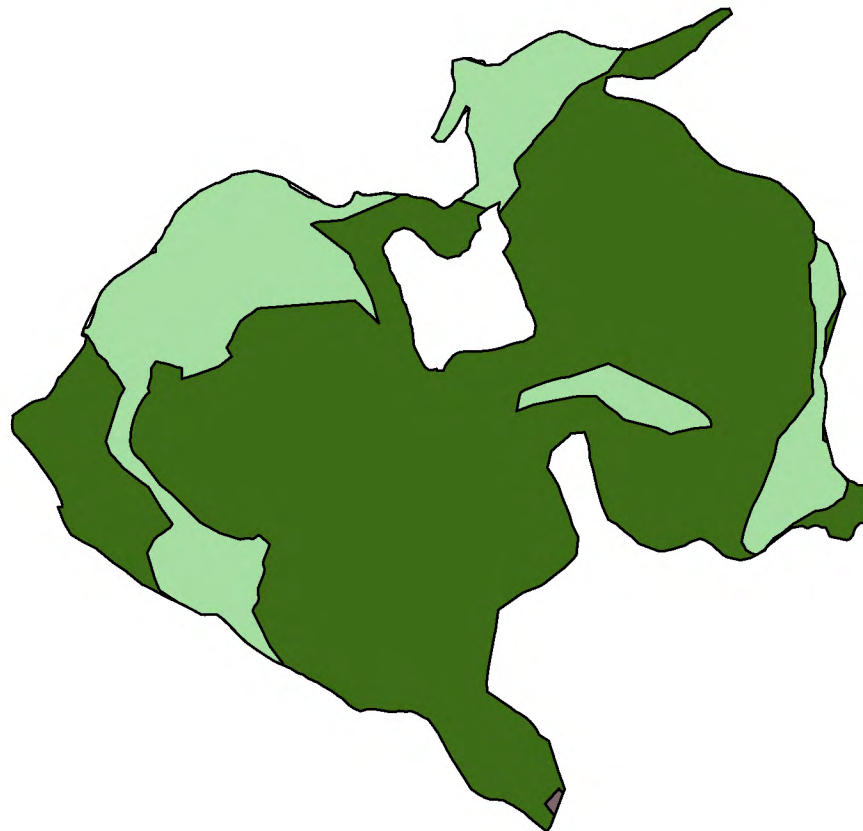
Light Duty - AC	1,528	1,528	0	0	278	0	1.00	1.00	278	0	278	6
Light Duty - AC	1,180	1,180	0	0	489	0	1.00	1.00	489	0	489	4
Light Sub:	57,686	35,408	21,681	597	6,357	4,064			6,357	4,064	2,293	213
Main Entry - AC	12,829	12,829	0	0	1,315	0	1.00	1.00	1,315	0	1,315	48
Pedestrian Path	20,479	10,300	9,895	284	458	1,509	1.00	1.00	458	1,509	-1,051	76
Pedestrian Path	168	168	0	0	17	0	1.00	1.00	17	0	17	1
Pedestrian Path	479	188	283	8	6	27	1.00	1.00	6	27	-21	2
Pedestrian Sub:	21,126	10,656	10,178	292	481	1,536			481	1,536	-1,055	79
Pool	1,279	0	1,279	0	0	205	1.00	1.00	0	205	-205	5
Pool Area	5,631	175	5,377	79	3	803	1.00	1.00	3	803	-800	21
Pool Sub:	6,910	175	6,656	79	3	1,008			3	1,008	-1,005	26
Rip Rap	2,346	2,346	0	0	87	0	1.00	1.00	87	0	87	9
Shoulder	206	92	111	3	10	12	1.00	1.00	10	12	-2	1
Shoulder	308	16	291	1	0	68	1.00	1.00	0	68	-68	1
Shoulder	434	84	349	1	7	77	1.00	1.00	7	77	-70	2
Shoulder Sub:	948	192	751	5	17	157			17	157	-140	4
Sidewalk	237	0	237	0	0	57	1.00	1.00	0	57	-57	1
Sidewalk	2,172	1,112	1,043	17	116	181	1.00	1.00	116	181	-65	8
Sidewalk	8,289	3,651	4,423	215	548	726	1.00	1.00	548	726	-178	31
Sidewalk	558	558	0	0	123	0	1.00	1.00	123	0	123	2
Sidewalk	862	383	472	7	57	91	1.00	1.00	57	91	-34	3
Sidewalk	2,974	2,734	124	116	200	3	1.00	1.00	200	3	197	11
Sidewalk	199	199	0	0	21	0	1.00	1.00	21	0	21	1
Sidewalk	126	126	0	0	10	0	1.00	1.00	10	0	10	0
Sidewalk	2,756	1,125	1,574	57	48	167	1.00	1.00	48	167	-119	10
Sidewalk	2,468	0	2,468	0	0	495	1.00	1.00	0	495	-495	9
Sidewalk	121	0	121	0	0	44	1.00	1.00	0	44	-44	0
Sidewalk	2,484	1,117	1,276	91	126	30	1.00	1.00	126	30	96	9
Sidewalk	366	0	365	1	0	44	1.00	1.00	0	44	-44	1
Sidewalk Sub:	23,612	11,005	12,103	504	1,249	1,838			1,249	1,838	-589	86
Regions Total	668,738	329,719	318,659	20,360	43,533	57,129			43,533	57,129	-13,596	2,476

Stripping Qtys	Plane Area	Slope Area	Depth	Volume
1.5" Grind	439	439	0.125	2
6" Strip	514,357	519,775	0.500	9,625
Previously Stripped	28,810	30,024	0.000	0
Previously Stripped	92,432	95,201	0.000	0
Previously Stripped	21,097	22,351	0.000	0
Previously Stripped	11,599	11,641	0.000	0
Previously Sub:	153,938	159,217		0
Stripping Total	668,734	679,431		9,627

Sectional Qtys	Plane Area	Slope Area	Depth	Volume
1.5" Inlay	439	440	0.125	2

Bioretention - Bottom	8,042	8,042	5.000	1,489
Bioretention - Bottom	8,144	8,144	5.000	1,508
Bioretention - Slope	22,953	23,636	0.000	0
Bioretention Sub:	39,139	39,822		2,997
Building #1	15,251	15,260	0.667	377
Building #2	15,245	15,253	0.667	377
Building #3	12,170	12,170	0.667	301
Building #4	12,237	12,238	0.667	302
Building #5	12,237	12,237	0.667	302
Building #6	12,169	12,171	0.667	301
Building Sub:	79,309	79,329		1,960
Driveway	156	156	1.000	6
Dumpster Recycle	1,396	1,403	1.250	65
Heavy Duty - AC	26,863	26,987	0.917	917
Heavy Duty - AC	3,785	3,790	0.917	129
Heavy Duty - AC	37,827	37,968	0.917	1,290
Heavy Duty - AC	4,754	4,774	0.917	162
Heavy Sub:	73,229	73,519		2,498
Island Planter	5,885	5,902	1.000	219
Island Planter	161	161	1.000	6
Island Planter	132	132	1.000	5
Island Planter	13,495	13,551	1.000	502
Island Planter	5,769	5,793	1.000	215
Island Planter	775	775	1.000	29
Island Sub:	26,217	26,314		976
Landscape	323,394	331,251	0.500	6,134
Light Duty - AC	2,196	2,229	0.750	62
Light Duty - AC	1,530	1,556	0.750	43
Light Duty - AC	6,937	7,041	0.750	196
Light Duty - AC	1,142	1,172	0.750	33
Light Duty - AC	1,527	1,554	0.750	43
Light Duty - AC	1,180	1,219	0.750	34
Light Duty - AC	12,342	12,553	0.750	349
Light Duty - AC	8,932	9,101	0.750	253
Light Duty - AC	5,751	5,823	0.750	162
Light Duty - AC	5,722	5,805	0.750	161
Light Duty - AC	7,610	7,751	0.750	215
Light Duty - AC	2,816	2,855	0.750	79
Light Sub:	57,685	58,659		1,630
Main Entry - AC	12,829	12,940	1.042	499
Pedestrian Path	479	480	0.625	11
Pedestrian Path	167	167	0.625	4

Pedestrian Path	20,479	20,566	0.625	476
Pedestrian Sub:	21,125	21,213		491
Pool	1,279	1,279	0.000	0
Pool Area	5,631	5,631	0.750	156
Pool Sub:	6,910	6,910		156
Rip Rap	2,346	2,368	1.000	88
Shoulder	434	434	0.917	15
Shoulder	206	206	0.917	7
Shoulder	308	311	0.917	11
Shoulder Sub:	948	951		33
Sidewalk	862	894	0.750	25
Sidewalk	2,484	2,600	0.750	72
Sidewalk	2,974	2,983	0.750	83
Sidewalk	558	564	0.750	16
Sidewalk	199	199	0.750	6
Sidewalk	126	126	0.750	4
Sidewalk	2,756	2,758	0.750	77
Sidewalk	2,468	2,483	0.750	69
Sidewalk	121	121	0.750	3
Sidewalk	237	237	0.750	7
Sidewalk	366	366	0.750	10
Sidewalk	2,172	2,189	0.750	61
Sidewalk	8,289	8,318	0.750	231
Sidewalk Sub:	23,612	23,838		664
Sectional Total	668,734	679,113		18,199



**Existing Site Preparation: Clearing,
Stripping, Demolition**

Volume:

	1.5" Grind @	2" Depth	2.00 CY
	6" Strip @	6" Depth	9,625.00 CY
	Previously Stripped @	0" Depth	0.00 CY
Total Strip =			9,627.00 CY



Material Areas

- 1.5" Inlay
- Bioretention - Bottom
- Bioretention - Slope
- Building #1
- Building #2
- Building #3
- Building #4
- Building #5
- Building #6
- Driveway
- Dumpster Recycle
- Heavy Duty - AC
- Island Planter
- Landscape
- Light Duty - AC
- Main Entry - AC
- Pedestrian Path
- Pool
- Pool Area
- Rip Rap
- Shoulder
- Sidewalk

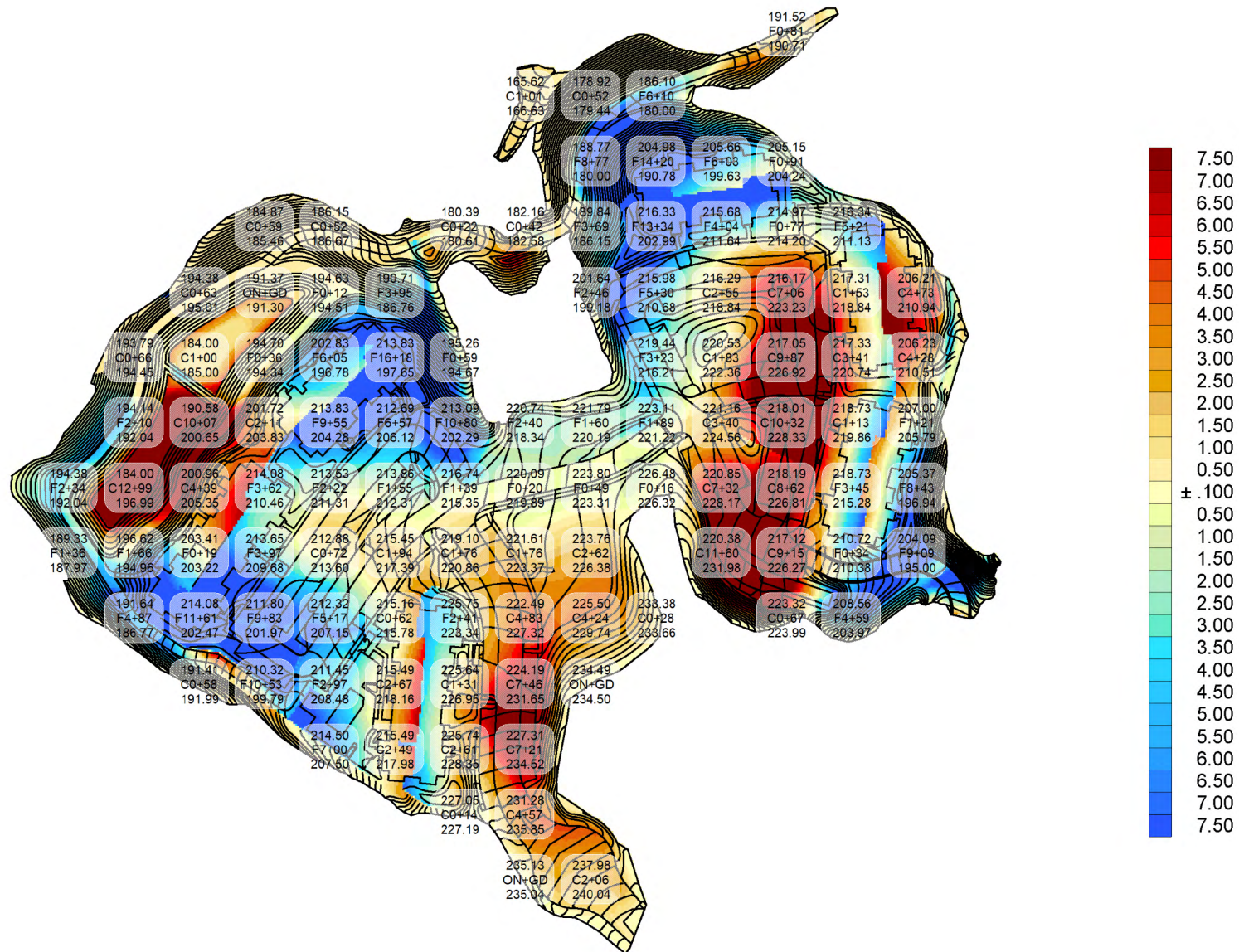


DIRTLOGIC LLC

"Take the guesswork out of dirtwork"

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

DirtLogic - Apartments - Sample Takeoff
SECTIONAL AREA LAYOUT



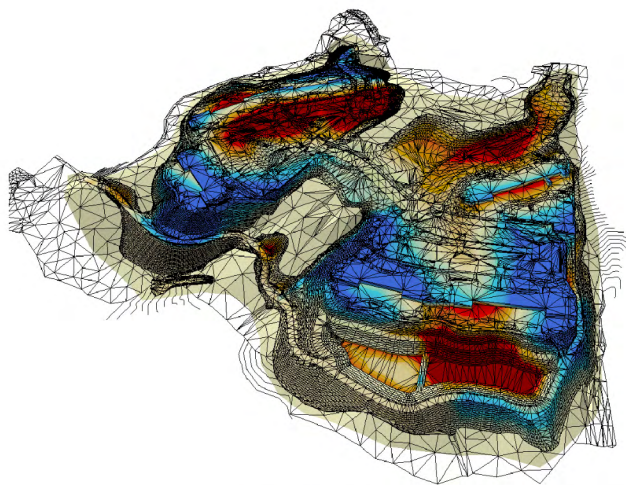
±


DIRTLOGIC LLC

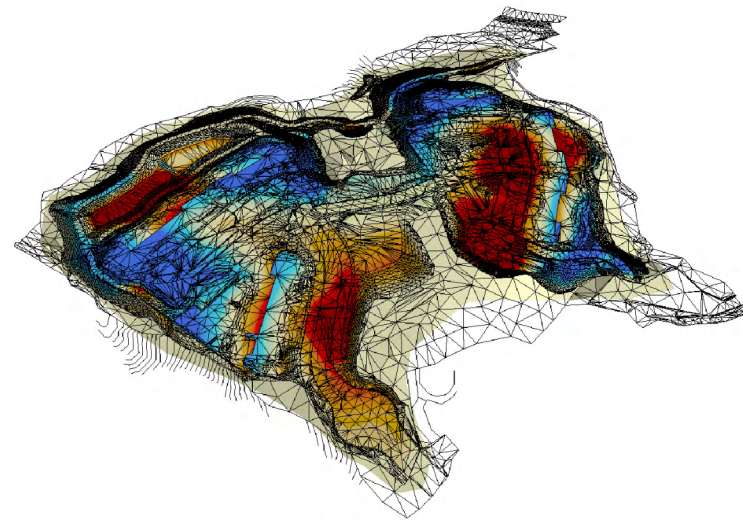
"Take the guesswork out of dirtwork"

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

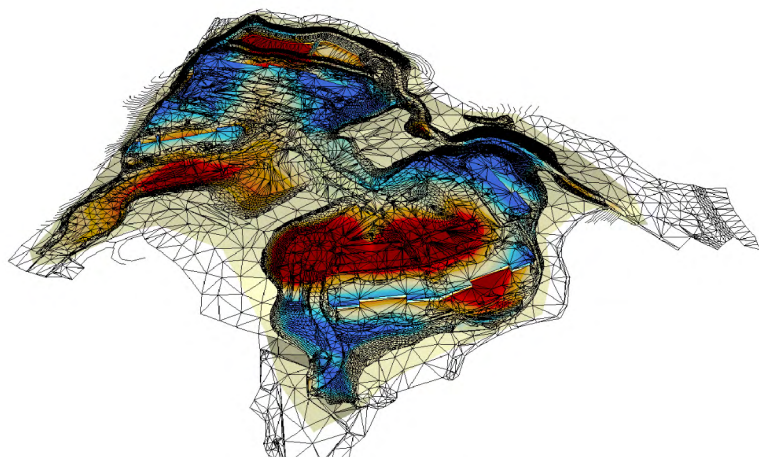
 DirtLogic - Apartments - Sample Takeoff
CUT / FILL MAP



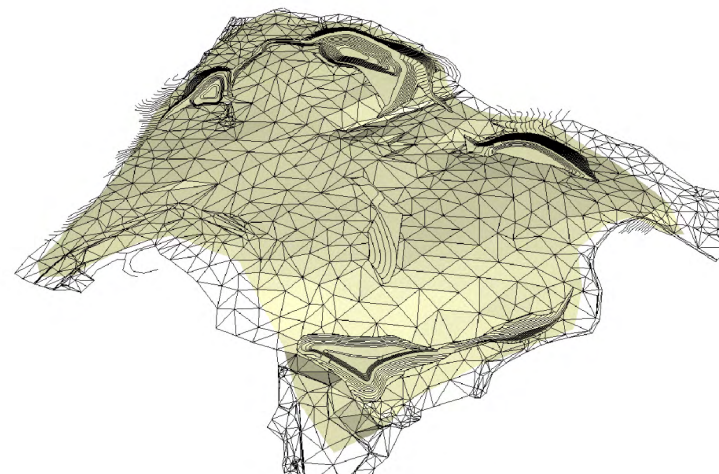
PROPOSED GROUND



PROPOSED GROUND



PROPOSED GROUND



EXISTING GROUND



DIRTLOGIC LLC

"Take the guesswork out of dirtwork"

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

DirtLogic - Apartments - 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:XXXXXXX

Date:XXXXXXX

Technician: XXXXXXXX

XXXXXXX@dirlogic.com

XXX-XXX-XXXX ext.

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
G 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
H Job Total	19,553	16,927	2,008	618	3,345	43			3,345	43	3,302
I											
J Stripping Qtys	Plane Area	Slope Area	Depth	Volume							
6in Strip	19,546	20,117	0.500	373							
L											
K Sectional Qtys	Plane Area	Slope Area	Depth	Volume							
Building Pad	2,946	2,947	1.000	109							

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.

DirtLogic, LLC.

[Toll-Free] 1.877.775.6442

[Office] 503.723.3478

[Fax] 503.907.9504

[Email] Plans@DirtLogic.com

www.DirtLogic.com

www.DirtStore.com