

Section Subgrade Report

JOB: 7345 Portola Center NE 17300 Ph 1 SECTION: A1 Import from CAD OG w MSE

#	Desc	Depth (Ft)	Fill (CY)	Cut (CY)	9	Rock
1	stockpile	.	87	Bank 248916	248916	0
			Compacted 248916	248916		0

Totals for Subgrade # 1 Area = 409884 SqFt Balance Change per Ft = 15181 CY

Desc	Fill (CY)	Cut (CY)	9	Rock
ALL Subgrades	87	Bank 248916	248916	0
		Compacted 248916	248916	0

Area = 409884 SqFt Balance Change per Ft = 15181 CY

Section Strip Area Report

JOB: 7345 Portola Center NE 17300 Ph 1 SECTION: A2 Cad w PDF Staged Final

#	Desc	Strip			
1	Topsoil	1.5			
	Topsoil	Area =	643988 SqFt	Balance Change per Ft =	23851 CY
		Material	Thickness Ft	Volume CY	
		Topsoil	1.5	35777.	
	Totals for Strip Area # 1	Area =	643988 SqFt	Balance Change per Ft =	23851 CY
		Material		Volume CY	
		Topsoil		35777	
#	Desc	Strip			
2	No Strip	.			
	Totals forStrip Area # 2	Area =	1292971 SqFt	Balance Change per Ft =	47888 CY
Desc					
	ALL Strip Areas	Area =	1936959 SqFt	Balance Change per Ft =	71739 CY
		Material		Volume CY	
		Topsoil		35777	

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#	Desc	Depth (Ft)	Fill (CY)	Cut (CY)	Rock
1	Landscape	.2	490532	Bank 145517 Compacted 145517	99093 46424 99093 46424
Totals for Subgrade # 1			Area = 869151 SqFt	Balance Change per Ft = 32191 CY	
#	Desc	Depth (Ft)	Fill (CY)	Cut (CY)	Rock
2	Buttress Area	.2	77	Bank 158484 Compacted 158484	34591 123893 34591 123893
Totals for Subgrade # 2			Area = 129011 SqFt	Balance Change per Ft = 4778 CY	
#	Desc	Depth (Ft)	Fill (CY)	Cut (CY)	Rock
5	Rd in Fill	1.5	62506	Bank 1262 Compacted 1262	1262 0 1262 0
Totals for Subgrade # 5			Area = 95506 SqFt	Balance Change per Ft = 3537 CY	
#	Desc	Depth (Ft)	Fill (CY)	Cut (CY)	Rock
6	Rd in Cut	1.5	10	Bank 52853 Compacted 52853	33827 19026 33827 19026
Totals for Subgrade # 6			Area = 65297 SqFt	Balance Change per Ft = 2418 CY	
#	Desc	Depth (Ft)	Fill (CY)	Cut (CY)	Rock
8	Basin 5	.2	7289	Bank 0 Compacted 0	0 0 0 0
Totals for Subgrade # 8			Area = 10235 SqFt	Balance Change per Ft = 379 CY	
#	Desc	Depth (Ft)	Fill (CY)	Cut (CY)	Rock
10	Basin 6	.2	4251	Bank 5289 Compacted 5289	5217 72 5217 72
Totals for Subgrade # 10			Area = 21977 SqFt	Balance Change per Ft = 814 CY	
#	Desc	Depth (Ft)	Fill (CY)	Cut (CY)	Rock
13	Lots in Fill	2.33	328448	Bank 8479 Compacted 8479	8476 3 8476 3
Totals for Subgrade # 13			Area = 454699 SqFt	Balance Change per Ft = 16841 CY	
#	Desc	Depth (Ft)	Fill (CY)	Cut (CY)	Rock
18	Lots UndCut	2.33	934	Bank 267234 Compacted 267234	169487 97747 169487 97747
Totals for Subgrade # 18			Area = 278493 SqFt	Balance Change per Ft = 10315 CY	
#	Desc	Depth (Ft)	Fill (CY)	Cut (CY)	Rock
24	Rd Cut 0-4	5.	0	Bank 3880 Compacted 3880	3840 39 3840 39

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Totals for Subgrade # 24 Area = 11646 SqFt Balance Change per Ft = 431 CY

Desc	Fill (CY)	Cut (CY)	Rock
ALL Subgrades	894047	Bank 642997	355794 287203
		Compacted 642997	355794 287203
	Area =	1936014 SqFt	Balance Change per Ft = 71704 CY

California Job
plan dated <from CAD>

Takeoff by:	E. Walsh
Summary by:	R. Decker
Checked by:	R. Decker
Date:	9/1/2017

Abbreviations:
BCY = bank cubic yards (or Raw Volumes)
LCY = loose cubic yards (swell factor)
CCY = compacted cubic yards
SG = subgrade
SF = square feet
B.O.C. = bottom of concrete
(#,###) = negative number
AS = as shown

Earth_Swell	1.250
Rock_Swell	1.600
(Compaction & Swell Assumptions)	
BCY%	87.50% Existing
LCY%	70.00% Swelled

See Note 2

Earthwork File: 7345 Portola Center NE 17300 Ph 1 (Sect A1, A2)						(See Note 1)					VOLUMES ADJUSTED FOR SWELL & COMPACTION ASSUMPTIONS							Approx. Grade Adjust to Balance				
DISTURBANCE AREA & STRIPPING						RAW CUT & FILL VOLUMES					Earth			Rock			Proposed			LOOSE CUBIC YARDS		
	Subgrade	Surface Area	Total	Area	18" Strip	Cut Earth	Cut Rip Rock	Total Cut	Fill	Balance	Swell	Swell	Compaction	Cut	Fill	Balance						
		SF		SF	Acres	BCY	BCY	BCY	BCY	BCY	1.250	1.600	Percent	LCY	LCY Required	LCY						
ALL AREAS																						
Stockpile Volume																						
Stockpile Area																						
adjust for overlap area																						
Subtotals																						
Mass Grading																						
Buttress Area																						
Landscape Areas																						
Basin Areas																						
Pavement Areas in fill (2.0' below top of curb)																						
Pavement Areas in fill (2.0' below top of curb)																						
Undercut Pavement Areas (4.0' below subgrade)																						
Building Areas in fill (3.0' below finish grade)																						
Undercut Building Areas (3.0' below finish grade)																						
adjust for non topsoil strip areas																						
Subtotals																						
Fill from undercut to subgrade																						
Pavement Areas from undercut to subgrade																						
Building Areas																						
adjust for overlap area																						
Subtotals																						
TOTALS																						
Excess topsoil =											Excess topsoil swelled 25% =							34,718				
Total Excess (Borrow) Material =											Total Excess (Borrow) Material =							(18,406)				
NOTES:																		- 0.29				

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.

Mass Grade			Total		
Redistribute Topsoil, 2.5" thick		114,500		114,500	SY
• Topsoil Required	2.5"	7,951		7,951	CY
• Excess (Borrow) Topsoil		27,774		27,774	CY

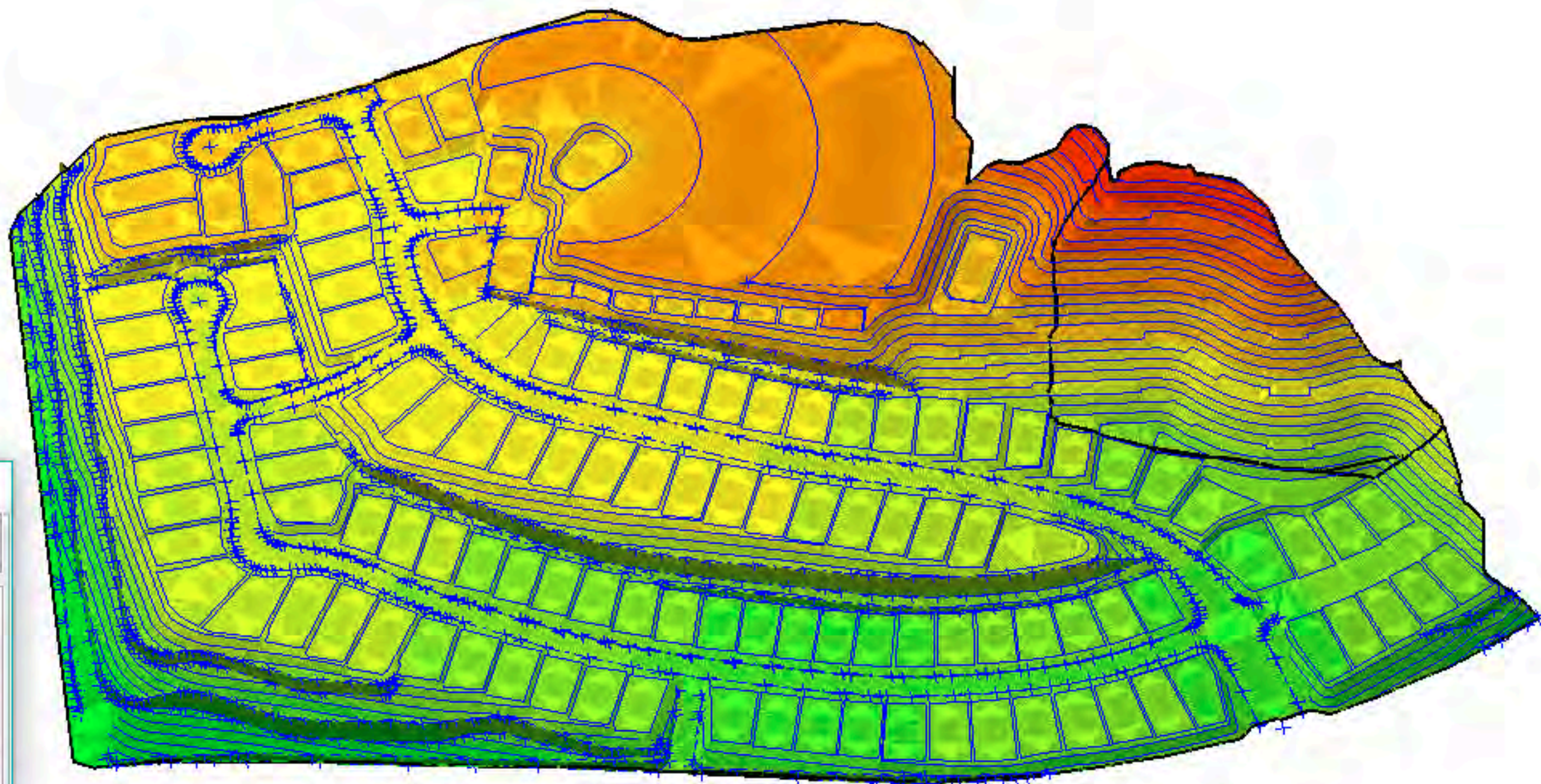
- 2 The last column shows the approximate finish grade adjustment required to achieve a balanced site.
- 3 Pavement areas above are not to be used for exact pavement areas -- e.g. islands are sometimes included within pavement earthwork areas.

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."



3-D Tools

Refresh
☒ Auto

View
☒ Surface
☒ Color
☒ TIN
☒ Color
☒ Grades
☒ Subgrades
☐ No-Work
as Existing

Zoom : Pan

Tilt : Rotate

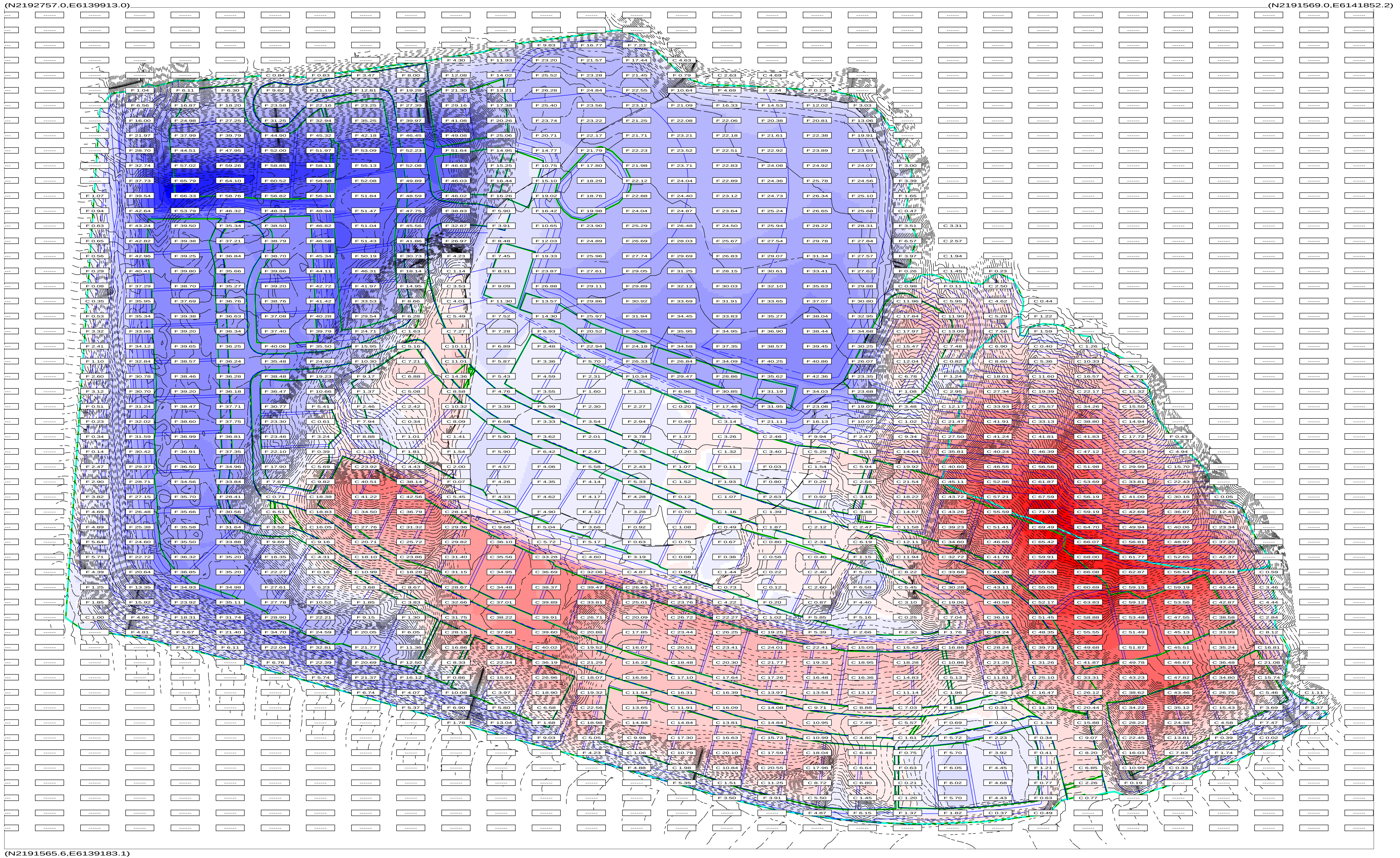
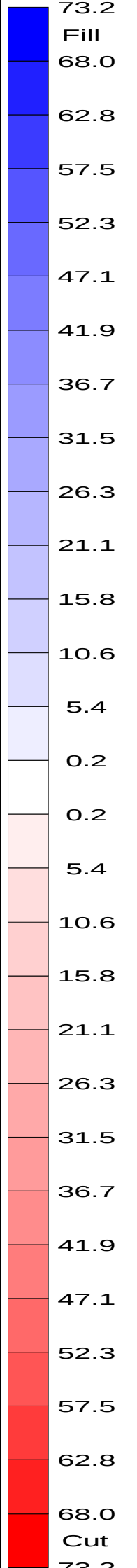
Lighting
[Icons for lighting settings]

Trimming

Drive / Fly

SG Quality

Legend



Existing GRIDS:
Cut & Fill Depth
Proposed

JOB: 7345 Portola Center NE 17300 Ph 1
SECTION: A2 Cad w PDF Staged Final
X-SCALE: 80. ft/in
Y-SCALE: 80. ft/in
RUN DATE: 09-01-2017 RUN TIME: 11:07:48
COMPANY:
ESTIMATOR: