

Autozone Your Town
plan dated 12/15/2017

Takeoff by:	E. Walsh
Summary by:	R. Decker
Checked by:	R. Decker
Date:	1/3/2018

Abbreviations: BCY = bank cubic yards (or Raw Volumes) LCY = loose cubic yards (swell factor) CCY = compacted cubic yards SG = subgrade	SF = square feet	Earth_Swell 1.250
	B.O.C. = bottom of concrete	Rock_Swell 1.600
	(#,###) = negative number	(Compaction & Swell Assumptions)
	AS = as shown	BCY% 87.50% Existing
		LCY% 70.00% Swelled

Earthwork File: 7510 Autozon (Sect A1)		(See Note 1)											VOLUMES ADJUSTED FOR SWELL & COMPACTION ASSUMPTIONS						Approx. Grade
DISTURBANCE AREA & STRIPPING							RAW CUT & FILL VOLUMES					Earth	Rock	Proposed	LOOSE CUBIC YARDS			Adjust to Balance	
Subgrade	Surface Area	Total	Area	6" Strip	Cut Earth	Cut Rock	Total Cut	Fill	Balance	Swell	Swell	Compaction	Cut	Fill	Balance				
	SF	SF	Acres	BCY	BCY	BCY	BCY	BCY	BCY	1.250	1.600	Percent	LCY	LCY Required	LCY				
ALL AREAS																			
Landscape Areas	0.50'	5,380	0.12	100	136	0	136	10	126	170	0	90.00%	170	13	157	+ 0.79'			
Amended Soils Areas	1.00'	7,997	0.18	148	148	0	148	6	142	185	0	95.00%	185	8	177	+ 0.60'			
Pavement Areas	0.83' & 1.04'	17,082	0.39	316	928	38	966	0	966	1,160	61	95.00%	1,221	0	1,221	+ 1.93'			
Concrete Pavement Areas	0.92' & 1.08'	5,590	0.13	104	166	5	171	6	165	208	8	95.00%	216	8	208	+ 1.00'			
Sidewalk Areas	0.67'	1,554	0.04	29	38	0	38	1	37	48	0	95.00%	48	1	47	+ 0.82'			
Building Areas	elev. 469.83'	6,715	0.15	124	98	0	98	20	78	123	0	95.00%	123	27	96	+ 0.39'			
Basin Bio Soil Areas	1.17'	5,164	0.12	96	575	17	592	0	592	719	27	95.00%	746	0	746	+ 3.90'			
Basin Bottom Areas	2.00'	6,322	0.15	117	1,353	124	1,477	0	1,477	1,691	198	95.00%	1,889	0	1,889	+ 8.07'			
<i>adjust for non topsoil strip</i>		0	0.00	0	0	0	0	0	0	0	0	95.00%	0	0	0				
î.		0	0.00	0	0	0	0	0	0	0	0	95.00%	0	0	0				
TOTALS		55,804	1.28	1,034	3,442	184	3,626	43	3,583	4,304	294		4,598	57	4,541	+ 2.20'			

Excess topsoil =	774	Excess topsoil swelled 25% =	968
Total Excess (Borrow) Material =	4,357	Total Excess (Borrow) Material =	5,509 + 2.67'

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	350	SY
• Topsoil Required	6"	260 BCY
• Excess (Borrow) Topsoil	774	BCY

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."

JOB: 7510 Autozone Kutztown SECTION: A1 Grading p4 (121517) 20sca

#	Desc	Strip			
1	Topsoil	.5			
	Topsoil		Area =	53354 SqFt	Balance Change per Ft = 1976 CY
	Material		Thickness Ft	Volume CY	
	Topsoil		.5	988.	
			Area =	709 SqFt	Balance Change per Ft = 26 CY
	Material		Thickness Ft	Volume CY	
	Topsoil		.5	13.	
			Area =	678 SqFt	Balance Change per Ft = 25 CY
	Material		Thickness Ft	Volume CY	
	Topsoil		.5	13.	
			Area =	1114 SqFt	Balance Change per Ft = 41 CY
	Material		Thickness Ft	Volume CY	
	Topsoil		.5	21.	
	Totals for Strip Area # 1		Area =	55856 SqFt	Balance Change per Ft = 2069 CY
	Material			Volume CY	
	Topsoil			1034	

Desc

ALL Strip Areas

			Area =	55856 SqFt	Balance Change per Ft = 2069 CY
	Material			Volume CY	
	Topsoil			1034	

JOB: 7510 Autozone Kutztown SECTION: A1 Grading p4 (121517) 20sca

#	Desc	Depth (Ft)	Fill (CY)	Cut (CY)	Earth	Rock
1	Amend Soil	1.	4 Bank Compacted	110 110	110 110	0 0

Totals for Subgrade # 1 Area = 6093 SqFt Balance Change per Ft = 226 CY

#	Desc	Depth (Ft)	Fill (CY)	Cut (CY)	Earth	Rock
3	C_Swalk	.67	1 Bank Compacted	38 38	38 38	0 0

Totals for Subgrade # 3 Area = 1554 SqFt Balance Change per Ft = 58 CY

#	Desc	Depth (Ft)	Fill (CY)	Cut (CY)	Earth	Rock
4	P_Site HD	1.04	0 Bank Compacted	706 706	672 672	34 34

Totals for Subgrade # 4 Area = 12109 SqFt Balance Change per Ft = 448 CY

#	Desc	Elevation (Ft)	Fill (CY)	Cut (CY)	Earth	Rock
6	B_Build	469.83	20 Bank Compacted	98 98	98 98	0 0

Totals for Subgrade # 6 Area = 6715 SqFt Balance Change per Ft = 249 CY

#	Desc	Depth (Ft)	Fill (CY)	Cut (CY)	Earth	Rock
8	P_Site LD	.83	0 Bank Compacted	259 259	256 256	4 4

Totals for Subgrade # 8 Area = 4973 SqFt Balance Change per Ft = 184 CY

#	Desc	Depth (Ft)	Fill (CY)	Cut (CY)	Earth	Rock
12	Bsn_2 Lds	.5	2 Bank Compacted	32 32	32 32	0 0

Totals for Subgrade # 12 Area = 1631 SqFt Balance Change per Ft = 60 CY

#	Desc	Depth (Ft)	Fill (CY)	Cut (CY)	Earth	Rock
13	Bsn_2 Bio	1.17	0 Bank Compacted	343 343	342 342	1 1

Totals for Subgrade # 13 Area = 3018 SqFt Balance Change per Ft = 112 CY

#	Desc	Elevation (Ft)	Fill (CY)	Cut (CY)	Earth	Rock
14	Bsn_2 Stone	463.	0 Bank Compacted	451 451	410 410	41 41

Totals for Subgrade # 14 Area = 1914 SqFt Balance Change per Ft = 71 CY

#	Desc	Depth (Ft)	Fill (CY)	Cut (CY)	Earth	Rock
15	Bsn_1 Lds	.5	0 Bank Compacted	92 92	92 92	0 0

Totals for Subgrade # 15 Area = 2263 SqFt Balance Change per Ft = 84 CY

#	Desc	Depth (Ft)	Fill (CY)	Cut (CY)	Earth	Rock
16	Bsn_1 Bio	1.17	0 Bank Compacted	248 248	233 233	16 16

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Totals for Subgrade # 16 Area = 2146 SqFt Balance Change per Ft = 79 CY

#	Desc	Elevation (Ft)	Fill (CY)	Cut (CY)	Earth	Rock
17	Bsn_1 Stone	462.75	0 Bank	1027	943	83
			Compacted	1027	943	83

Totals for Subgrade # 17 Area = 4408 SqFt Balance Change per Ft = 163 CY

#	Desc	Depth (Ft)	Fill (CY)	Cut (CY)	Earth	Rock
22	P_Conc LD	.92	0 Bank	150	145	5
			Compacted	150	145	5

Totals for Subgrade # 22 Area = 2331 SqFt Balance Change per Ft = 86 CY

#	Desc	Depth (Ft)	Fill (CY)	Cut (CY)	Earth	Rock
23	P_Conc HD	1.08	6 Bank	21	21	0
			Compacted	21	21	0

Totals for Subgrade # 23 Area = 3259 SqFt Balance Change per Ft = 121 CY

#	Desc	Depth (Ft)	Fill (CY)	Cut (CY)	Earth	Rock
35	L_Site	.5	8 Bank	12	12	0
			Compacted	12	12	0

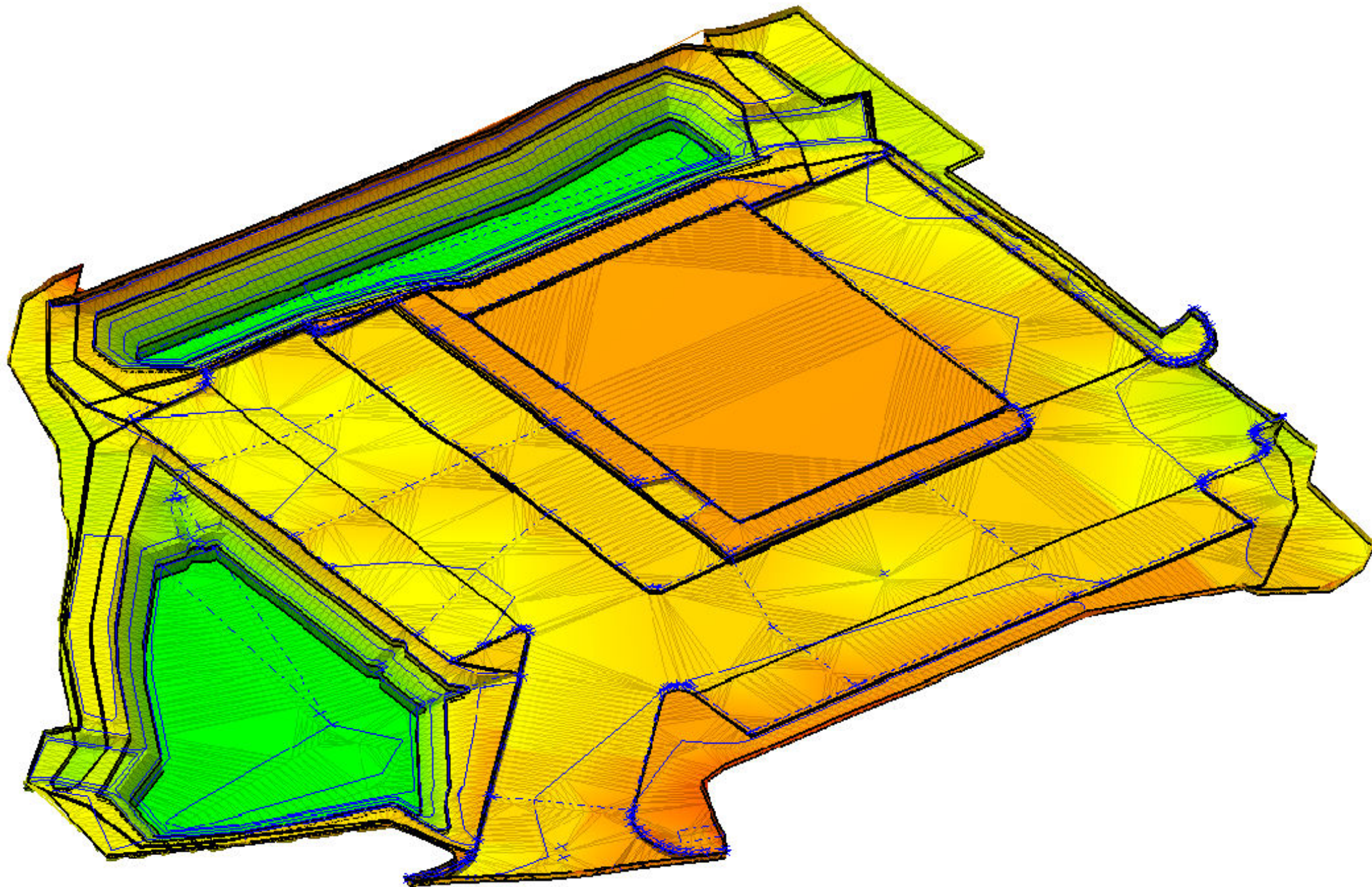
Totals for Subgrade # 35 Area = 1486 SqFt Balance Change per Ft = 55 CY

#	Desc	Depth (Ft)	Fill (CY)	Cut (CY)	Earth	Rock
40	Amend Soil	1.	2 Bank	38	38	0
			Compacted	38	38	0

Totals for Subgrade # 40 Area = 1904 SqFt Balance Change per Ft = 71 CY

Desc	Fill (CY)	Cut (CY)	Earth	Rock
ALL Subgrades	44 Bank	3624	3441	184
	Compacted	3624	3441	184

Area = 55803 SqFt Balance Change per Ft = 2067 CY



3-D Tools

Refresh

Auto

View

- Surface
- Color
- TIN
- Color
- Grades
- Subgrades
- No-Work as Existing

Zoom : Pan

Lock

1.383

Zoom In Zoom Out

Full Screen Maximize

Tilt : Rotate

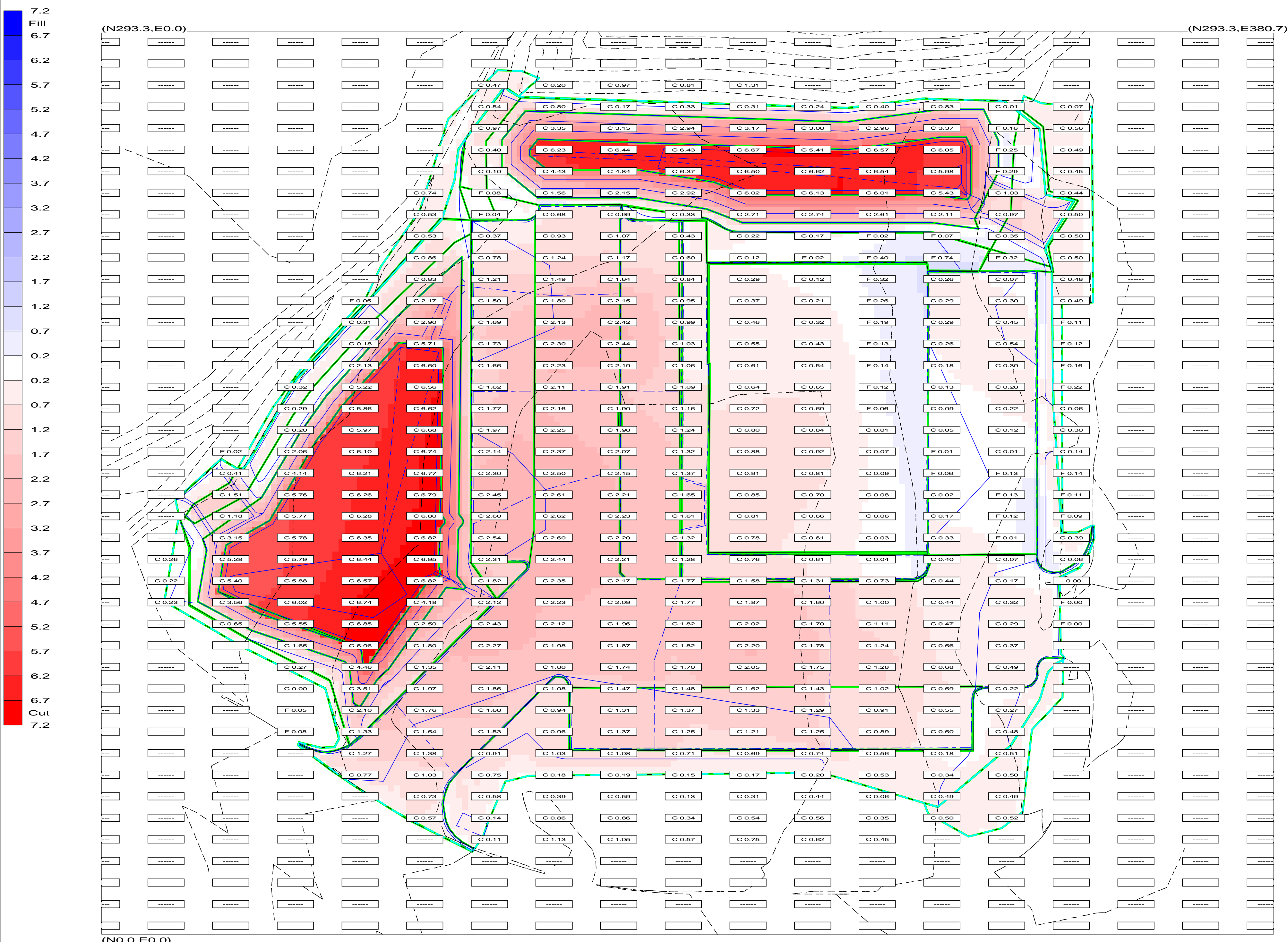
Lighting

Trimming

Drive / Fly

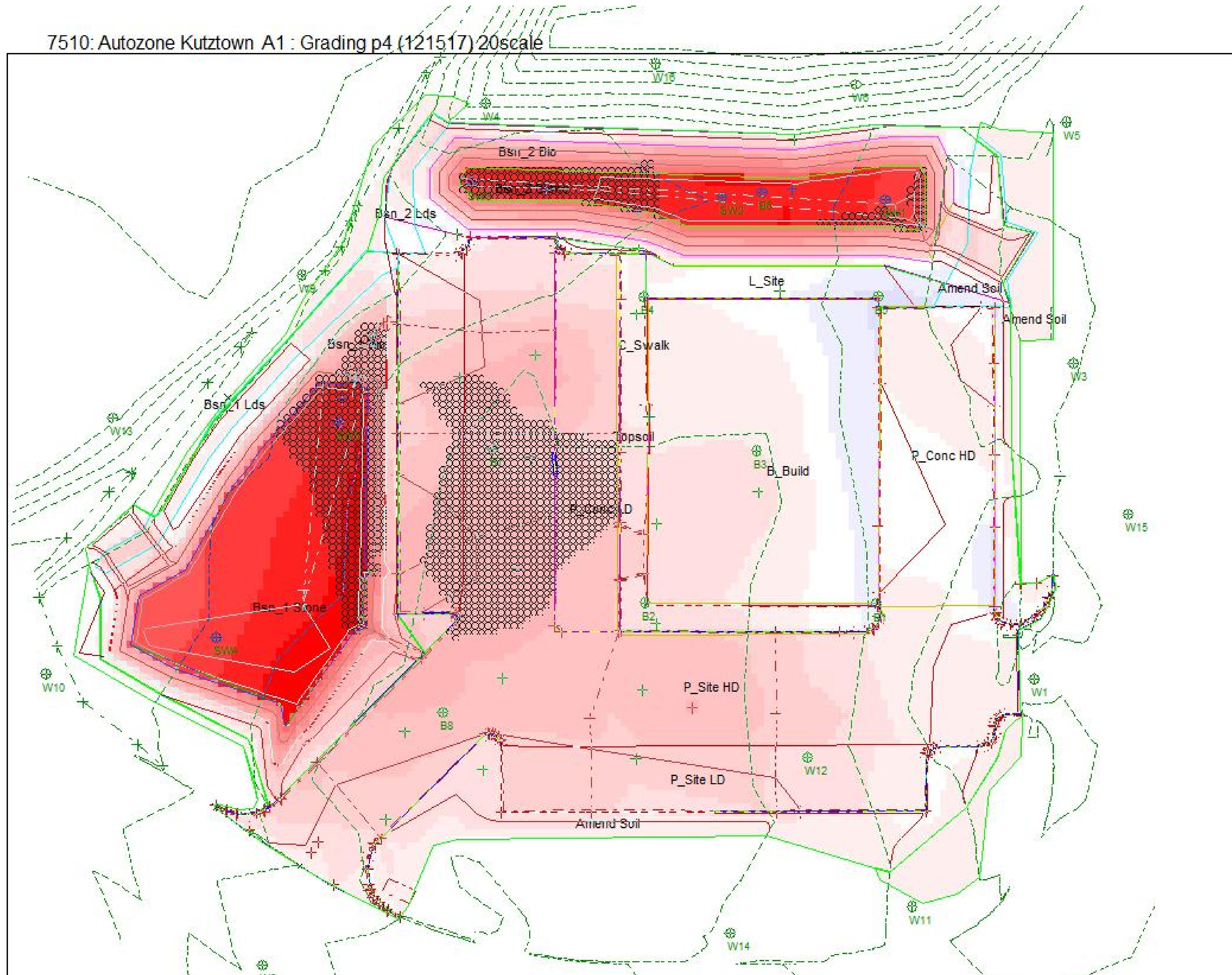
SG Quality

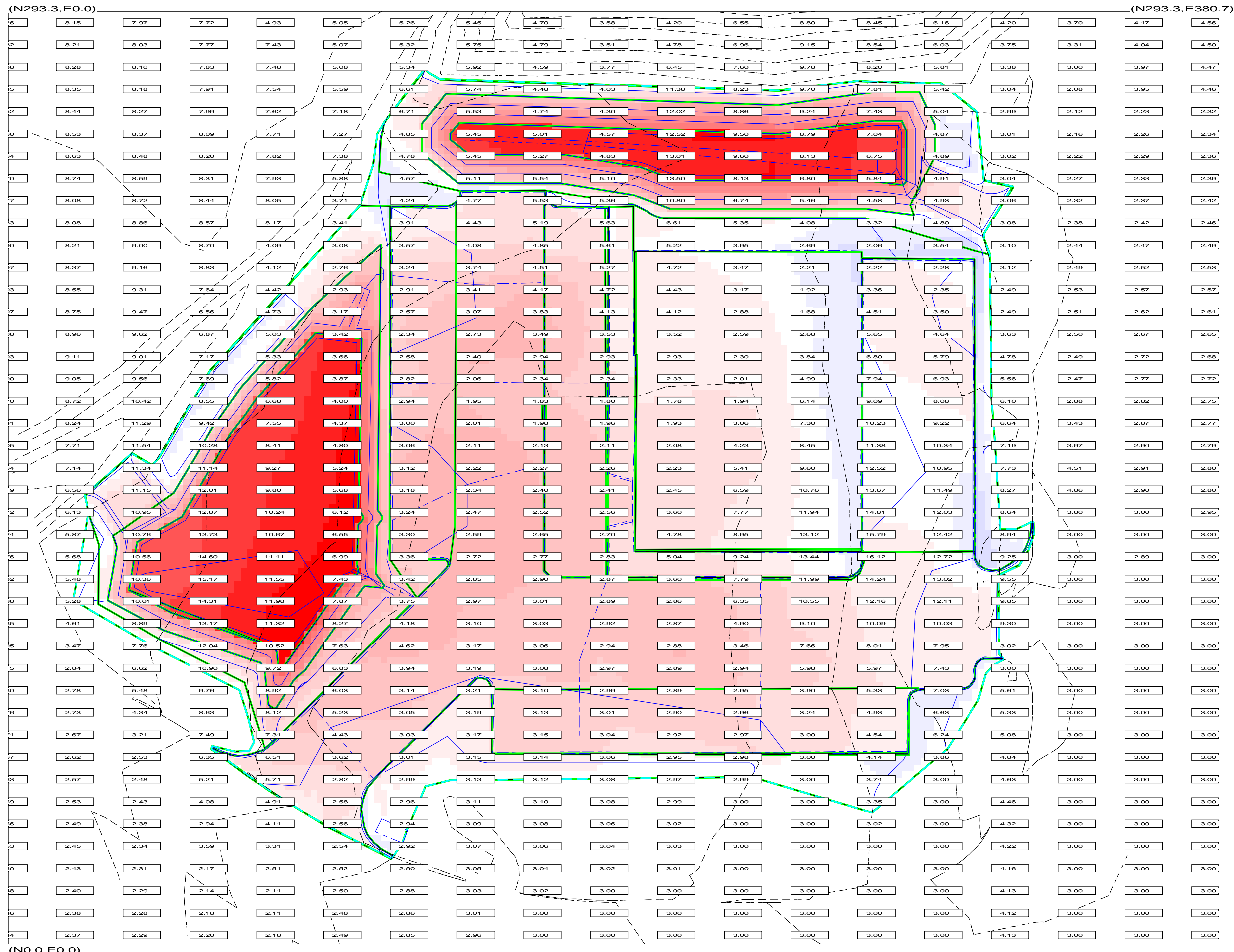
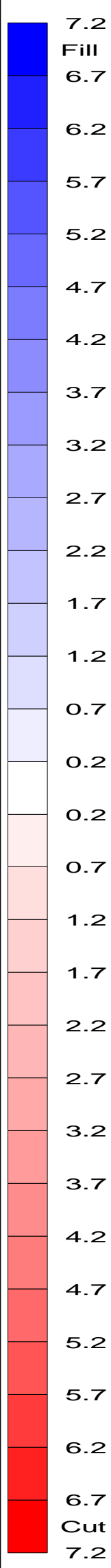
Legend



Existing GRIDS:
 Proposed Cut & Fill Depth

JOB: 7510 Autozone Kutztown
 SECTION: A1 Grading p4 (121517) 20scale
 X-SCALE: 20. ft/in
 Y-SCALE: 20. ft/in
 RUN DATE: 01-03-2018 RUN TIME: 09:47:39
 COMPANY:
 ESTIMATOR:

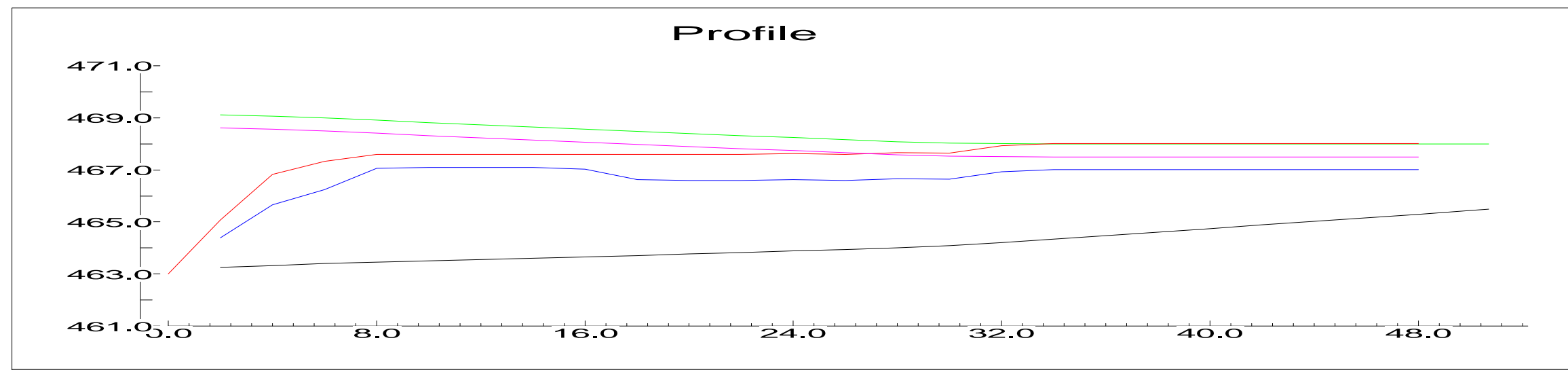




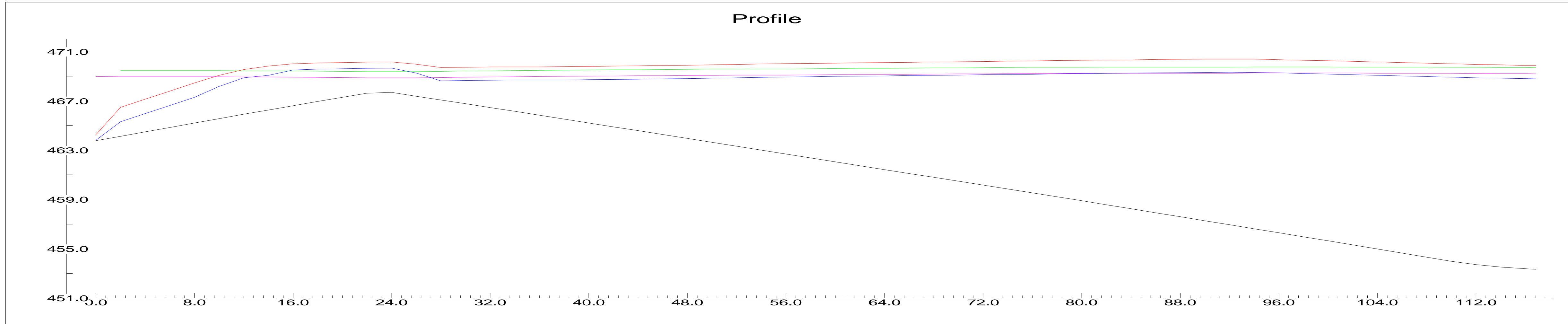
Existing GRIDS:
Proposed Strat 2 Depth

JOB: 7510 Autozone Kutztown
SECTION: A1 Grading p4 (121517) 20scale
X-SCALE: 20. ft/in
Y-SCALE: 20. ft/in
RUN DATE: 01-02-2018 RUN TIME: 08:54:53
COMPANY:
ESTIMATOR:

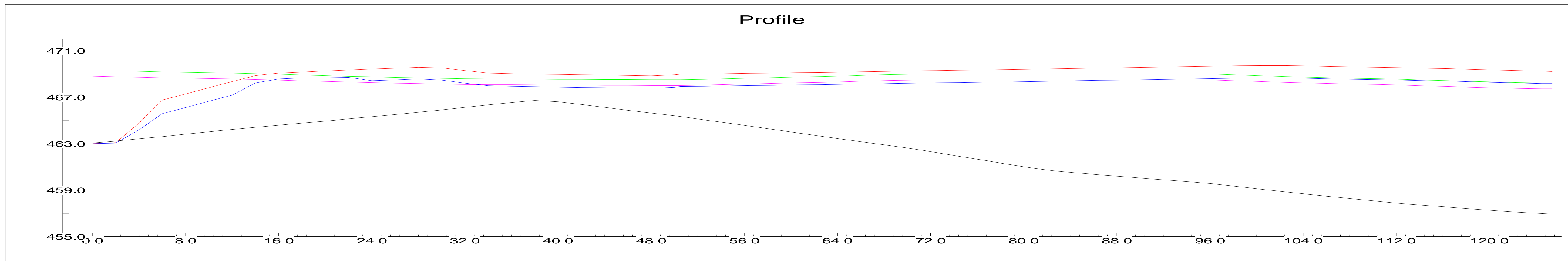
ELEVATION



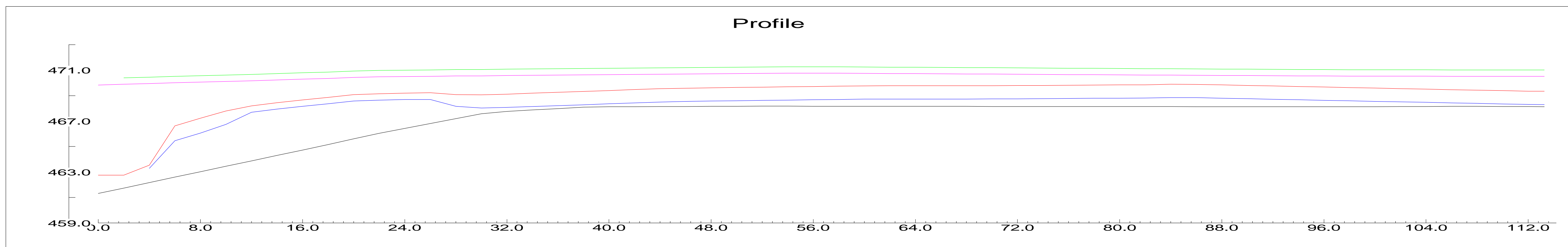
OS 2 to existing inlet



Roof Drain Outfall to End



Outfall to Inlet 1 and 2



Outfall to Inlet 3

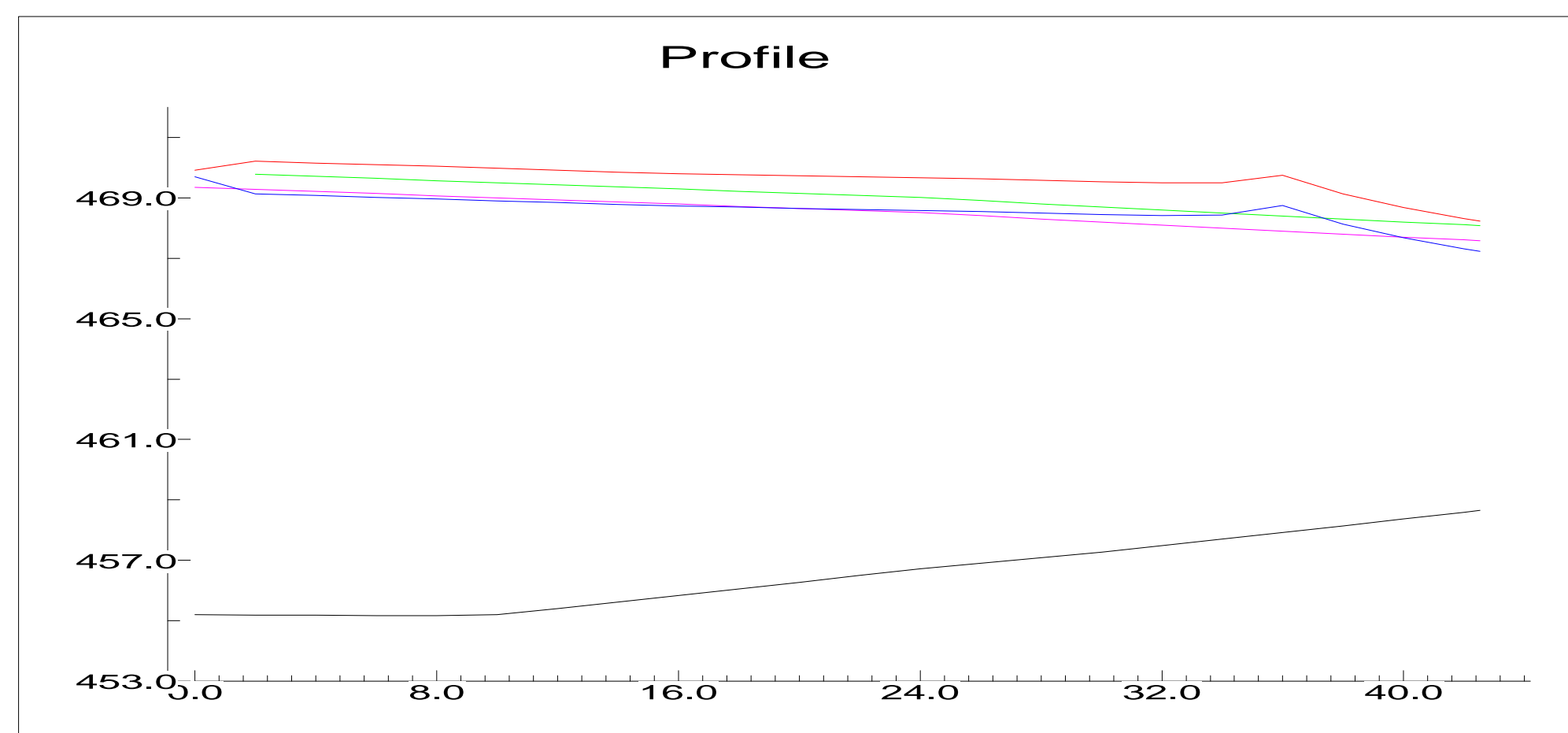
EXISTING/Earth
SUBGRADE

PROPOSED
WATER

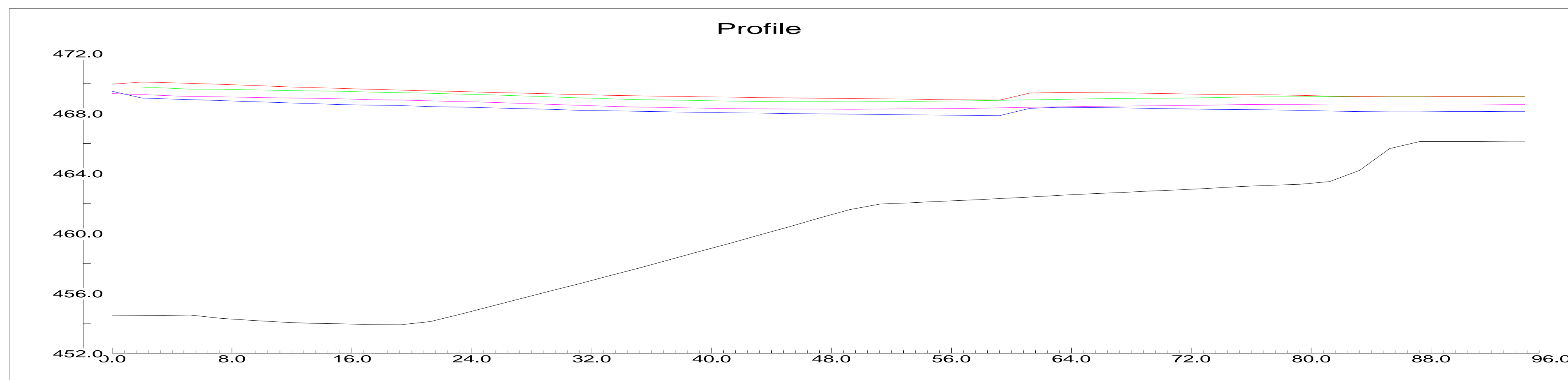
STRIPPING
Rock

JOB: 7510 Autozone Kutztown
SECTION: A1 Grading p4 (121517) 20scale
X-SCALE: 5. ft/in
Y-SCALE: 5. ft/in
RUN DATE: 01-03-2018 RUN TIME: 09:32:38
COMPANY:
ESTIMATOR:

ELEVATION



Water from building to existing stub



Sanitary from building to existing stub

Electric line similar

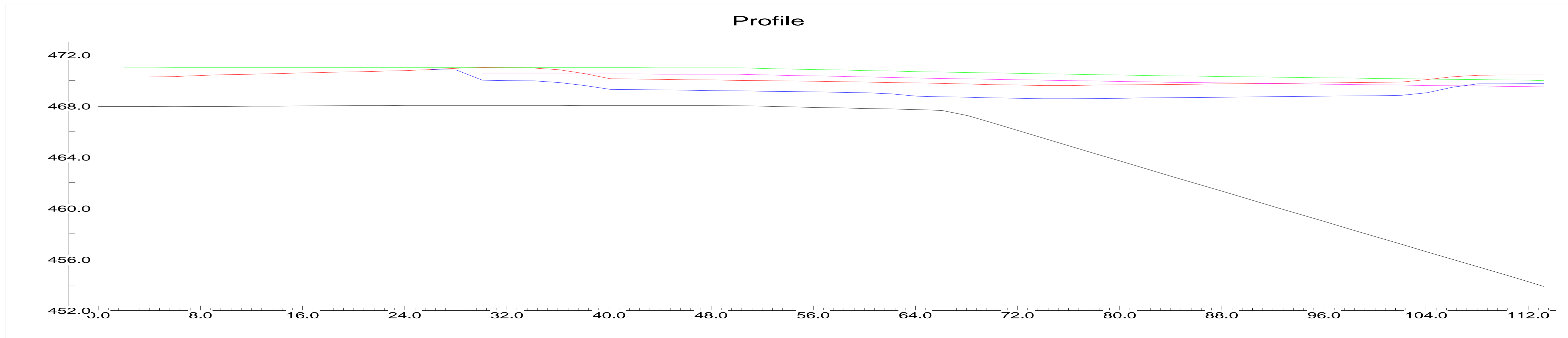
EXISTING/Earth
SUBGRADE

PROPOSED
WATER

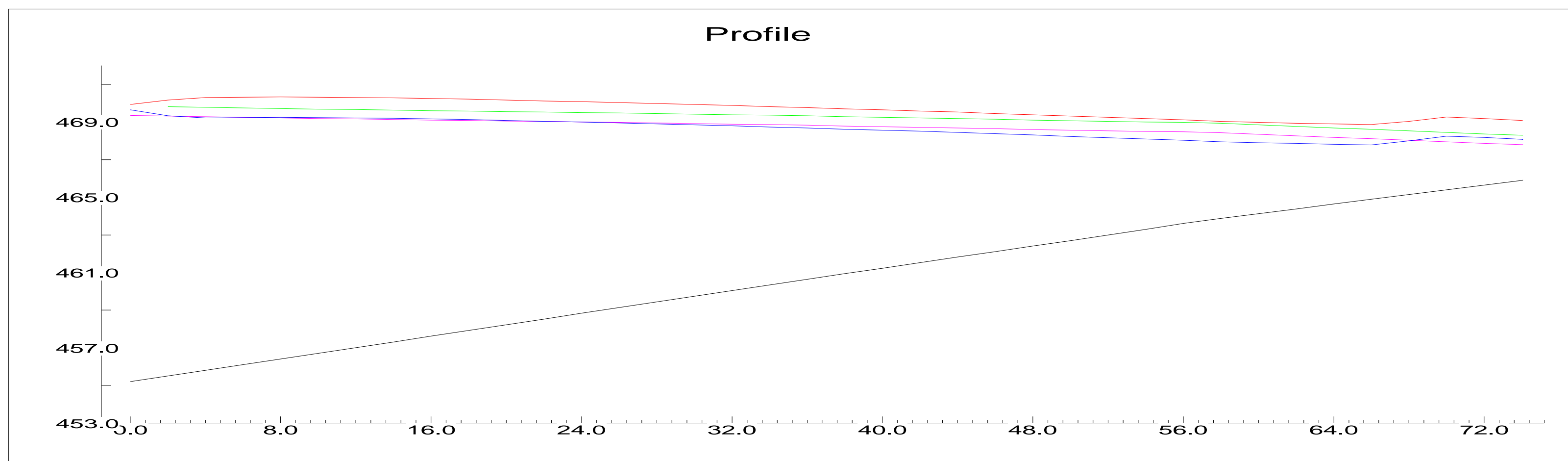
STRIPPING
Rock

JOB: 7510 Autozone Kutztown
SECTION: A1 Grading p4 (121517) 20scale
X-SCALE: 5. ft/in
Y-SCALE: 5. ft/in
RUN DATE: 01-03-2018 RUN TIME: 09:38:41
COMPANY:
ESTIMATOR:

ELEVATION



Gas line from stub to building



Water from building to hose bibb

EXISTING/Earth
SUBGRADE

PROPOSED
WATER

STRIPPING
Rock

JOB: 7510 Autozone Kutztown
SECTION: A1 Grading p4 (121517) 20scale
X-SCALE: 5. ft/in
Y-SCALE: 5. ft/in
RUN DATE: 01-03-2018 RUN TIME: 09:38:41
COMPANY:
ESTIMATOR: