

WDA Design Group

31 E. Main Street

Westborough, MA 01234

Surface Report

Project Name: H:\PROJECTS\0927\CAD\DWG\Data References\Surfaces\Volume Surfaces-East.dwg

Report Date: 3/5/2019 5:20:12 PM

Client:

Project

Description:

Prepared by: TBS

Linear Units: USSurveyFoot **Area Units:** squareFoot **Volume Units:** cubicYard

Surface: Vol_Building(-18")-East (-20")

Description: Description

Area 2D: 37698.647 Area 3D: 50421.002
Elevation Max: 12.865 Elevation Min: -14.206
Number of Points: 2086 Number of Triangles: 3502

Surface: Vol_Landscape-East (-20")

Description: Description

Area 2D: 100099.365 Area 3D: 107142.862
Elevation Max: 27.201 Elevation Min: -8.326
Number of Points: 61479 Number of Triangles: 107692

Surface: Vol_Road-East (-20")

Description: Description

Area 2D: 61101.611 Area 3D: 62801.712
Elevation Max: 25.508 Elevation Min: -7.576
Number of Points: 17167 Number of Triangles: 31089

Surface: Vol_Sidewalk-East (-20")

Description: Description

Area 2D: 11459.178 Area 3D: 11688.505
Elevation Max: 22.302 Elevation Min: -8.228
Number of Points: 11883 Number of Triangles: 16573

Volume Surface: Vol_Building(-18")-East (-20")

Description: Description

Volume Cut: 3380.074 Volume Fill: 2401.679 Volume Total: -978.395
Compare Surface: Buildings - East Site (lowered 18 in.)
Base Surface: eg-easterly (lowered 20")

Volume Surface: Vol_Landscape-East (-20")

Description: Description

Volume Cut: 3571.377 Volume Fill: 15286.232 Volume Total: 11714.856
Compare Surface: Eastern Landscape -Subgrade
Base Surface: eg-easterly (lowered 20")

Volume Surface: Vol_Road-East (-20")

Description: Description

Volume Cut: 2176.835 Volume Fill: 13863.139 Volume Total: 11686.305
Compare Surface: Eastern Road - Subgrade
Base Surface: eg-easterly (lowered 20")

Volume Surface: Vol_Sidewalk-East (-20")

Description: Description

Volume Cut: 494.752 Volume Fill: 3144.597 Volume Total: 2649.845
Compare Surface: Eastern Sidewalk - Subgrade
Base Surface: eg-easterly (lowered 20")

Structural Fill = 2,402 CY

Import Fill (Net Total) = 26,051 CY
Import Fill (Minus building cut) = 22,671 CY

Total + 23% (22,671 x 1.23) = 27,885 CY

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Westborough, MA 01234

Surface Report

Project Name: H:\PROJECTS\0927\CAD\DWG\Data References\Surfaces\Volume Surfaces-West.dwg
Report Date: 3/6/2019 8:49:59 AM

Client:
Project Description:
Prepared by: TBS

Linear Units: USSurveyFoot **Area Units:** squareFoot **Volume Units:** cubicYard

Surface: Vol_Building(-18")-West (-20")

Description: Description

Area 2D: 81057.045 Area 3D: 122572.886
Elevation Max: 19.175 Elevation Min: -23.663
Number of Points: 5706 Number of Triangles: 8866

Surface: Vol_Landscape-West (-20")

Description: Description

Area 2D: 227231.582 Area 3D: 236235.735
Elevation Max: 21.451 Elevation Min: -16.405
Number of Points: 84516 Number of Triangles: 148139

Surface: Vol_Road-West (-20")

Description: Description

Area 2D: 109648.542 Area 3D: 110754.179
Elevation Max: 20.352 Elevation Min: -16.840
Number of Points: 24138 Number of Triangles: 42022

Surface: Vol_Sidewalk-West (-20")

Description: Description

Area 2D: 25548.804 Area 3D: 25905.340
Elevation Max: 20.916 Elevation Min: -13.703
Number of Points: 23099 Number of Triangles: 31916

Volume Surface: Vol_Building(-18")-West (-20")

Description: Description

Volume Cut: 13218.643 Volume Fill: 6301.451 Volume Total: -6917.192
Compare Surface: West Buildings - Total (lowered 18 in.)
Base Surface: eg-westerly (lowered 20")

Volume Surface: Vol_Landscape-West (-20")

Description: Description

Volume Cut: 8397.407 Volume Fill: 49715.879 Volume Total: 41318.472
Compare Surface: Western Landscape - Subgrade
Base Surface: eg-westerly (lowered 20")

Volume Surface: Vol_Road-West (-20")

Description: Description

Volume Cut: 9087.998 Volume Fill: 26487.812 Volume Total: 17399.814
Compare Surface: Western Road - Subgrade
Base Surface: eg-westerly (lowered 20")

Volume Surface: Vol_Sidewalk-West (-20")

Description: Description

Volume Cut: 800.674 Volume Fill: 7395.579 Volume Total: 6594.905
Compare Surface: Sidewalk Subgrade - West Total
Base Surface: eg-westerly (lowered 20")

Structural Fill = 6,301 CY

Import Fill (Net Total) = 65,313 CY
Import Fill (Minus building cut) = 52,094 CY

Total + 23% (52,094 x 1.23) = 64,076 CY