Cut / Fill Report – ES50

Dataset: 20261020ES50 (10/20/2026, 11:21 AM) · Source: PIX4Dcloud annotations · NAD83(2011) / Colorado Central (ftUS) + NAVD88 (ftUS), GEOID18
Volumes in cubic yards (US). Fill shown as negative per PIX4D convention. Net = cut + fill (positive = net cut, negative = net fill).

Cut Areas

Annotation	2D Area (ft²)	Min Elev (ft)	Max Elev (ft)	Base Surface	Cut (yd³)	Cut Error (yd³)	Fill (yd³)	Fill Error (yd³)	Net (yd³)
Cut 1	4,848.61	6,081.94	6,085.83	Triangulated	774.3	9.8	-0.4	0.3	773.9
Cut 2	2,977.06	6,082.39	6,085.07	Triangulated	420.1	6.0	-0.6	0.2	419.5
Cut 3	291.60	6,077.76	6,080.29	Triangulated	12.6	0.5	-0.1	0.1	12.5
Cut 4	9,266.74	6,074.83	6,088.62	Triangulated	2,505.3	18.8	-2.5	0.5	2,502.8
Cut 5	3,926.32	6,065.56	6,069.33	Triangulated	335.9	6.2	-16.0	2.0	320.0
Cut 6	1,806.34	6,057.25	6,060.47	Triangulated	159.4	2.9	-5.2	0.9	154.1
Cut 7	4,035.08	6,082.25	6,090.58	Triangulated	763.6	8.2	-0.4	0.2	763.2
Cut 8	716.64	6,052.48	6,058.36	Triangulated	13.7	1.1	-2.8	0.4	10.9
Subtotal	**27,868.39**				**4,984.9**	**53.7**	**-28.0**	**4.5**	**4,956.9**

Fill Areas

Annotation	2D Area (ft²)	Min Elev (ft)	Max Elev (ft)	Base Surface	Cut (yd³)	Cut Error (yd³)	Fill (yd³)	Fill Error (yd³)	Net (yd³)
Fill 1	45.00	6,051.41	6,054.69	Triangulated	0.1	0.0	-1.3	0.1	-1.2
Fill 2	2,650.68	6,074.70	6,085.78	Triangulated	0.6	0.2	-361.0	5.4	-360.4
Fill 3	5,106.67	6,066.60	6,080.63	Triangulated	23.1	1.7	-356.4	9.0	-333.3
Fill 4	1,061.24	6,078.34	6,082.67	Triangulated	2.1	0.1	-113.4	2.1	-111.3
Fill 5	2,638.82	6,079.31	6,083.05	Triangulated	9.6	0.2	-378.1	5.3	-368.5
Subtotal	**11,502.41**				**35.6**	**2.3**	**-1,210.3**	**21.8**	**-1,174.8**

Site Summary

Cut areas – net cut (yd³)	**4,956.9**
Fill areas – net fill (yd³)	**1,174.8**
Gross cut, all annotations (yd³)	**5,020.5**
Gross fill, all annotations (yd³)	**1,238.3**
Overall net (yd³): positive = excess cut / export, negative = import needed	**3,782.2**

Notes:

- All annotations use a Triangulated base surface (Fill 1 and Fill 5 were reprocessed from Average to Triangulated).
- Volumes for Cut 1–8 were calculated on 10/21/2026 from the existing annotation polygons; Fill 1–5 were already calculated.
- Cut/fill errors are PIX4D's per-annotation estimates; they are not combined statistically here (simple sums shown).
- Volumes are surface-comparison values from the annotation base surfaces, not design-grade earthwork quantities; no shrink/swell applied.