COUNTY OF ORANGE

OC PUBLIC WORKS DEPARTMENT

SANTA ANA, CALIFORNIA

SHANE L. SILSBY, DIRECTOR

2019
SCOUR STUDY

Prepared by:

OC SURVEY

KEVIN HILLS, COUNTY SURVEYOR

FIELD UNIT – BOUNDARY ANALYSIS & MAPPING

ORANGE COUNTY BOARD OF SUPERVISORS

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2019
ANNUAL SCOUR STUDY

SAN DIEGO CREEK CHANNEL (F05) BASIN 1

MAXIMUM CAPACITY OF BASIN 1

STATION 34+00 TO 76+00

AS-BUILT PLANS:

F05-101-4-A	STA. 10+00 TO 25+00
F05-101-1-A	STA. 25+00 TO 98+00

NOTE: As-Built plans were used for left side of the basin, the right side of the template was modified based on the San Diego Creek 2004 Emergency Repair Agreement whereas, a 40' Wildlife Corridor was established on the right side of the channel

VERTICAL DATUM

NGVD 1929 Mean Sea Level / 1995 O.C.S. Vertical Adjustment

Office Check by:	Wade Weaver, PLS, Deputy County Surveyor
	Michael LaFontaine, PLS, Senior Land Surveyor
Filed Data Provided by:	OC survey and JFA, Inc. (Consultant)
Survey Party Chief:	Jonathan Johns, Surveyor III
Computer processing done by:	Hanna Aftim, Surveyor III

COUNTY of ORANGE
OC PUBLIC WORKS

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FIELD UNIT- BOUNDARY ANALYSIS & MAPPING

2019 SCOURS STUDY (MAX. CAPACITY BASIN TEMPLATE) - VOLUME REPORT

SAN DIEGO CREEK (F05) BASIN #1, STATION 34+00 to 76+00
Date of Survey September 2019

ALIGNMENT: CENTERLINE ALIGNMENT REACH 1
SURFACE 1: SAN DIEGO CREEK SCOURS REACH1 EG (2019 Ground)
SURFACE 2: F05B1-07 MAX CAP (2010 Maximum Capacity Basin #1 Template)

BASELINE STATION NUMBER	STATION CUT AREA	STATION CUT VOLUME	STATION FILL AREA	STATION FILL VOLUME	MASS ORDINATE VOLUME
34+00	493.16	0.00	14.83	0.00	0.00
35+00	257.62	1390.34	18.20	61.17	1329.17
36+00	311.70	1054.30	21.20	72.97	2310.50
37+00	294.56	1122.71	28.78	92.57	3340.64
38+00	254.25	1016.32	28.48	106.05	4250.92
39+00	266.11	963.64	23.72	96.67	5117.89
40+00	210.23	882.11	66.09	166.31	5833.69
41+00	259.19	869.30	41.26	198.80	6504.19
42+00	296.29	1028.67	33.64	138.71	7394.16
43+00	287.20	1080.54	57.92	169.55	8305.15
44+00	304.07	1094.94	101.34	294.92	9105.17
45+00	238.78	1005.29	88.82	352.15	9758.31
46+00	250.62	906.31	93.67	337.95	10326.67
47+00	314.17	1045.91	117.04	390.21	10982.37
48+00	343.40	1214.71	140.10	475.15	11721.92
49+00	384.60	1347.42	74.46	397.09	12672.26
50+00	348.22	1357.50	71.59	270.48	13759.27
51+00	368.35	1325.56	36.52	200.31	14884.53
52+00	299.76	1228.46	63.33	185.33	15927.65
53+00	318.77	1129.55	66.00	240.71	16816.50
54+00	306.57	1144.66	94.98	299.71	17661.45
55+00	382.57	1267.74	99.59	362.01	18567.18
56+00	361.42	1373.69	125.12	417.79	19523.09
57+00	354.85	1326.46	97.90	413.72	20435.83

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2019 SCOURS STUDY (MAX. CAPACITY BASIN TEMPLATE) - VOLUME REPORT

SAN DIEGO CREEK (F05) BASIN #1, STATION 34+00 to 76+00
Date of Survey September 2019

ALIGNMENT: CENTERLINE ALIGNMENT REACH 1
SURFACE 1: SAN DIEGO CREEK SCOURS REACH1 EG (2019 Ground)
SURFACE 2: F05B1-07 MAX CAP (2010 Maximum Capacity Basin #1 Template)

BASELINE STATION NUMBER	STATION CUT AREA	STATION CUT VOLUME	STATION FILL AREA	STATION FILL VOLUME	MASS ORDINATE VOLUME
58+00	370.07	1339.50	97.87	363.14	21412.19
59+00	419.53	1452.41	94.60	357.58	22507.03
60+00	262.43	1252.64	119.19	396.81	23362.86
61+00	307.62	1050.23	121.34	445.69	23967.40
62+00	242.80	1016.93	147.30	497.24	24487.09
63+00	460.27	1304.12	104.01	465.04	25326.17
64+00	349.16	1502.90	93.39	366.05	26463.02
65+00	405.68	1397.29	95.24	350.59	27509.72
66+00	414.01	1518.15	81.15	327.42	28700.45
67+00	238.57	1204.41	86.03	310.39	29594.46
68+00	331.44	1045.38	55.38	262.66	30377.18
69+00	266.32	1096.56	97.37	284.22	31189.53
70+00	425.01	1260.94	113.90	394.64	32055.83
71+00	428.07	1554.10	188.91	568.14	33041.79
72+00	471.60	1643.34	91.28	525.78	34159.35
73+00	592.83	1946.17	175.23	500.73	35604.79
74+00	581.94	2143.66	198.42	703.70	37044.75
75+00	608.30	2173.14	341.64	1014.10	38203.80
76+00	454.70	1968.51	803.91	2121.39	38050.92

CUT: 54,046 Cu. Yds. **FILL: 15,996 Cu. Yds** **NET: 38,051 Cu. Yds.**

COUNTY of ORANGE
OC PUBLIC WORKS

OC SURVEY
FIELD UNIT – BOUNDARY ANALYSIS & MAPPING

2019 SCOURS STUDY – % MAX. CAPACITY BASIN TEMPLATE
VOLUME REPORT (SEPTMBER 20, 2019)

SAN DIEGO CREEK (F05) BASIN # 1, STATION 34+00 to 76+00

STATION	CUT AREA	CUT VOLUME	FILL AREA	FILL VOLUME	% of CAPACITY
34+00	493.16	0.00	1163.19	0.00	
35+00	257.62	1390.34	1193.09	4363.00	**31.87%**
36+00	311.70	1054.30	1234.06	4495.00	**23.45%**
37+00	294.56	1122.71	1259.71	4618.00	**24.31%**
38+00	254.25	1016.32	1281.80	4707.00	**21.59%**
39+00	266.11	963.64	1294.59	4771.00	**20.20%**
40+00	210.23	882.11	1314.55	4832.00	**18.26%**
41+00	259.19	869.30	1317.23	4874.00	**17.84%**
42+00	296.29	1028.67	1326.75	4896.00	**21.01%**
43+00	287.20	1080.54	1350.10	4957.00	**21.80%**
44+00	304.07	1094.94	1366.89	5031.00	**21.76%**
45+00	238.78	1005.29	1333.28	5000.00	**20.11%**
46+00	250.62	906.31	1347.89	4965.00	**18.25%**
47+00	314.17	1045.91	1352.71	5001.00	**20.91%**
48+00	343.40	1214.71	1412.08	5120.00	**23.72%**
49+00	384.60	2038.02	1401.05	5209.00	**25.87%**
50+00	348.22	1357.50	1385.60	5160.00	**26.31%**
51+00	368.35	1325.56	1375.09	5112.00	**25.93%**
52+00	299.76	1228.46	1365.21	5075.00	**24.21%**

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FIELD UNIT – BOUNDARY ANALYSIS & MAPPING

2019 SCOURS STUDY – % MAX. CAPACITY BASIN TEMPLATE
VOLUME REPORT (SEPTMBER 20, 2019)

SAN DIEGO CREEK (F05) BASIN # 1, STATION 34+00 to 76+00

53+00	318.77	1129.55	1421.14	5160.00	**21.89%**
54+00	306.57	1144.66	1460.23	5336.00	**21.45%**
55+00	382.57	1267.74	1481.78	5448.00	**23.27%**
56+00	361.42	1373.69	1506.68	5534.00	**24.82%**
57+00	354.85	1326.46	1497.68	5564.00	**23.84%**
58+00	370.07	1339.50	1544.40	5633.00	**23.78%**
59+00	419.53	1452.41	1542.98	5717.00	**25.41%**
60+00	262.43	1252.64	1517.40	5667.00	**22.10%**
61+00	307.62	1050.23	1561.65	5702.00	**18.42%**
62+00	242.80	1016.93	1571.01	5801.00	**17.53%**
63+00	460.27	1304.12	1641.14	5948.00	**21.93%**
64+00	349.16	1502.90	1660.74	6115.00	**24.58%**
65+00	405.68	1397.29	1655.70	6142.00	**22.75%**
66+00	414.01	1518.15	1698.66	6212.00	**24.44%**
67+00	238.57	1204.41	1677.37	6252.00	**19.26%**
68+00	331.44	1045.38	1756.87	6360.00	**16.44%**
69+00	266.32	1096.56	1763.58	6519.00	**16.82%**
70+00	425.01	1260.94	1746.89	6501.00	**19.40%**
71+00	428.07	1554.10	1780.89	6533.00	**23.79%**
72+00	471.60	1332.14	1328.77	5759.00	**28.54%**
73+00	592.83	1946.17	1849.94	5887.00	**33.06%**

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2019 SCOURS STUDY – % MAX. CAPACITY BASIN TEMPLATE
VOLUME REPORT (SEPTMBER 20, 2019)

SAN DIEGO CREEK (F05) BASIN # 1, STATION 34+00 to 76+00

74+00	581.94	2143.66	1840.51	6834.00	**31.37%**
75+00	608.30	2173.14	1895.34	6918.00	**31.41%**
76+00	454.70	1968.51	1738.47	6729.00	**29.25%**
		TOTAL CUT VOLUME		**MAX. CAPACITY BASIN 3 VOLUME**	**TOTAL % OF CAPACITY**
	Cubic Yards	**54,046**	**Cubic Yards**	**232,457**	**23.25%**

NOTE: NO STATIONS ARE FILLED BEYOND 50% OF THE MAXIMUM CAPACITY OF BASIN #1

2019 SCOURS

SAN DIEGO CREEK (F05) BASIN # 1

2019 GROUND DATA

STATION	OFFSET	ELEV.
34+00	178.77	20.61
34+00	132.79	8.06
34+00	94.71	8.06
34+00	87.83	9.94
34+00	79.12	10.25
34+00	65.45	0.07
34+00	50.41	-0.11
34+00	21.29	1.41
34+00	17.24	3.84
34+00	-19.12	4.44
34+00	-61.16	4.74
34+00	-67.92	0.51
34+00	-90.53	0.51
34+00	-93.59	5.15
34+00	-105.84	7.44
34+00	-119.10	8.56
34+00	-134.87	4.89
34+00	-144.05	9.67
34+00	-158.19	10.78
34+00	-161.68	12.96
34+00	-180.33	20.14
34+00	-185.10	19.87
35+00	183.69	19.65
35+00	180.05	19.18
35+00	143.35	9.09
35+00	109.26	8.02
35+00	56.43	8.03
35+00	50.06	2.19
35+00	20.39	-0.13
35+00	-13.54	0.08
35+00	-59.70	-0.11
35+00	-89.17	0.59
35+00	-100.36	9.08
35+00	-119.32	8.69
35+00	-130.84	6.95
35+00	-140.08	6.95
35+00	-182.47	20.83
35+00	-188.60	20.93
36+00	184.30	19.69
36+00	178.79	19.17
36+00	141.15	8.62

2019 SCOURS

SAN DIEGO CREEK (F05) BASIN # 1

2019 GROUND DATA

STATION	OFFSET	ELEV.
36+00	95.86	9.68
36+00	62.35	10.43
36+00	51.08	1.67
36+00	10.56	-0.51
36+00	-31.06	-0.32
36+00	-82.61	1.39
36+00	-93.36	8.58
36+00	-100.68	10.19
36+00	-117.68	8.92
36+00	-129.81	6.84
36+00	-141.12	7.42
36+00	-183.40	21.10
36+00	-188.87	21.32
37+00	185.01	20.22
37+00	179.49	19.74
37+00	136.06	8.14
37+00	93.82	8.11
37+00	65.84	9.79
37+00	52.51	1.19
37+00	21.12	-0.19
37+00	-21.05	-0.40
37+00	-50.62	-0.56
37+00	-79.58	1.89
37+00	-89.42	7.84
37+00	-95.32	8.68
37+00	-115.40	8.83
37+00	-129.90	6.94
37+00	-143.23	7.94
37+00	-185.51	21.37
37+00	-190.09	21.37
38+00	183.96	20.18
38+00	178.96	19.83
38+00	143.49	9.68
38+00	91.97	10.79
38+00	66.15	8.39
38+00	55.49	0.48
38+00	8.54	-0.40
38+00	-27.59	-0.31
38+00	-73.29	-0.20
38+00	-80.56	4.55
38+00	-94.99	9.60

2019 SCOURS

SAN DIEGO CREEK (F05) BASIN # 1

2019 GROUND DATA

STATION	OFFSET	ELEV.
38+00	-107.87	9.77
38+00	-128.20	7.19
38+00	-142.65	7.92
38+00	-189.13	21.92
38+00	-193.98	21.92
39+00	184.04	20.22
39+00	179.03	19.80
39+00	135.04	9.43
39+00	98.54	10.82
39+00	69.90	9.11
39+00	58.83	1.27
39+00	32.70	-0.75
39+00	-2.77	-0.06
39+00	-46.95	-0.19
39+00	-74.88	1.46
39+00	-83.63	7.45
39+00	-97.65	10.30
39+00	-123.27	7.44
39+00	-145.51	8.22
39+00	-185.55	21.35
39+00	-191.67	21.33
40+00	183.32	19.76
40+00	178.11	19.35
40+00	139.62	9.66
40+00	110.22	10.03
40+00	76.25	8.81
40+00	69.38	1.69
40+00	64.60	0.43
40+00	19.39	-0.32
40+00	-13.28	-1.76
40+00	-70.41	1.27
40+00	-85.46	7.21
40+00	-101.90	10.19
40+00	-114.94	7.94
40+00	-141.64	8.47
40+00	-183.18	20.80
40+00	-191.92	21.30
41+00	183.46	20.02
41+00	177.48	19.60
41+00	143.75	10.51

2019 SCOURS

SAN DIEGO CREEK (F05) BASIN # 1

2019 GROUND DATA

STATION	OFFSET	ELEV.
41+00	101.96	10.62
41+00	81.20	8.39
41+00	71.69	1.92
41+00	65.84	0.02
41+00	49.21	-0.27
41+00	-13.47	-0.67
41+00	-57.82	0.37
41+00	-68.02	7.58
41+00	-75.33	6.01
41+00	-99.73	9.90
41+00	-143.91	8.53
41+00	-187.51	22.44
41+00	-194.56	22.53
42+00	183.36	21.32
42+00	178.19	20.75
42+00	137.13	9.17
42+00	110.78	9.69
42+00	79.74	8.73
42+00	70.23	0.89
42+00	36.25	-0.29
42+00	4.14	-0.41
42+00	-27.81	-0.65
42+00	-56.41	0.78
42+00	-70.02	8.07
42+00	-81.73	8.02
42+00	-100.16	10.17
42+00	-105.66	8.73
42+00	-139.32	7.97
42+00	-189.96	23.25
42+00	-196.34	23.46
43+00	183.15	21.32
43+00	175.55	20.64
43+00	132.93	8.36
43+00	105.57	8.56
43+00	82.42	8.85
43+00	69.85	1.83
43+00	46.56	-1.14
43+00	14.46	-0.88
43+00	-32.46	0.00
43+00	-61.59	1.09
43+00	-73.99	9.06

2019 SCOURS

SAN DIEGO CREEK (F05) BASIN # 1

2019 GROUND DATA

STATION	OFFSET	ELEV.
43+00	-87.44	8.52
43+00	-103.35	11.07
43+00	-111.44	8.82
43+00	-142.65	8.34
43+00	-190.75	23.76
43+00	-196.77	23.94
44+00	182.28	21.18
44+00	177.31	20.97
44+00	140.26	9.12
44+00	113.65	8.45
44+00	75.47	8.20
44+00	63.39	0.44
44+00	41.05	-1.77
44+00	5.43	-1.04
44+00	-33.91	-0.59
44+00	-61.72	0.87
44+00	-73.21	8.18
44+00	-87.70	7.73
44+00	-103.33	10.51
44+00	-111.30	8.95
44+00	-140.76	8.60
44+00	-190.95	24.67
44+00	-198.15	24.79
45+00	181.54	21.31
45+00	176.41	21.02
45+00	135.52	9.55
45+00	90.42	10.11
45+00	83.17	9.60
45+00	64.06	0.61
45+00	37.24	-1.36
45+00	-20.80	-0.69
45+00	-58.23	-0.21
45+00	-62.85	1.58
45+00	-73.02	7.76
45+00	-89.61	9.80
45+00	-100.71	9.49
45+00	-143.46	8.95
45+00	-195.01	25.40
45+00	-201.14	25.47
46+00	181.50	21.99

2019 SCOURS

SAN DIEGO CREEK (F05) BASIN # 1

2019 GROUND DATA

STATION	OFFSET	ELEV.
46+00	175.40	22.03
46+00	141.69	11.08
46+00	107.94	10.04
46+00	80.01	9.56
46+00	57.91	-1.06
46+00	49.41	-0.71
46+00	47.67	-0.63
46+00	-3.91	-1.16
46+00	-35.75	-0.86
46+00	-62.38	0.88
46+00	-67.41	4.83
46+00	-102.38	10.54
46+00	-113.67	8.79
46+00	-144.75	9.13
46+00	-195.39	24.88
46+00	-201.21	25.15
47+00	179.56	22.87
47+00	175.29	22.47
47+00	138.34	10.90
47+00	93.80	10.70
47+00	68.85	7.37
47+00	49.19	1.32
47+00	24.19	-1.11
47+00	13.97	-1.08
47+00	-18.12	-2.00
47+00	-18.47	-2.11
47+00	-19.31	-1.99
47+00	-35.74	-1.37
47+00	-42.54	-1.19
47+00	-61.79	0.02
47+00	-73.04	7.87
47+00	-93.95	6.22
47+00	-102.75	9.91
47+00	-141.97	9.32
47+00	-191.96	25.00
47+00	-198.74	25.03
48+00	178.83	22.58
48+00	174.78	22.36
48+00	146.83	14.27
48+00	132.02	8.65
48+00	92.60	8.01

2019 SCOURS

SAN DIEGO CREEK (F05) BASIN # 1

2019 GROUND DATA

STATION	OFFSET	ELEV.
48+00	66.35	6.61
48+00	46.60	1.04
48+00	39.29	0.34
48+00	30.49	-1.18
48+00	-22.24	-1.32
48+00	-60.16	-0.35
48+00	-72.72	5.88
48+00	-107.17	11.03
48+00	-114.42	8.53
48+00	-135.31	8.77
48+00	-191.82	27.00
48+00	-199.67	27.00
49+00	180.20	22.93
49+00	172.38	22.42
49+00	142.07	12.15
49+00	91.78	9.31
49+00	65.95	8.56
49+00	43.46	2.10
49+00	26.75	-1.35
49+00	-17.23	-1.10
49+00	-43.53	-0.12
49+00	-69.05	0.86
49+00	-75.61	6.77
49+00	-106.49	10.99
49+00	-114.17	8.69
49+00	-132.21	8.57
49+00	-182.84	24.71
49+00	-186.93	24.73
50+00	182.69	23.14
50+00	178.19	22.81
50+00	137.76	11.88
50+00	89.86	9.84
50+00	58.85	7.58
50+00	42.62	1.35
50+00	17.64	-1.48
50+00	-5.44	-1.73
50+00	-36.26	0.14
50+00	-65.69	0.39
50+00	-70.62	5.29
50+00	-86.30	6.29
50+00	-107.21	10.84

2019 SCOURS

SAN DIEGO CREEK (F05) BASIN # 1

2019 GROUND DATA

STATION	OFFSET	ELEV.
50+00	-114.87	8.26
50+00	-133.27	8.54
50+00	-171.50	20.89
50+00	-179.08	20.89
51+00	182.51	23.42
51+00	175.16	23.03
51+00	156.69	15.36
51+00	122.03	11.25
51+00	82.44	10.66
51+00	64.26	8.78
51+00	41.99	1.42
51+00	25.87	-0.82
51+00	-8.35	-0.64
51+00	-27.79	-0.25
51+00	-58.42	1.53
51+00	-64.24	6.38
51+00	-83.01	4.74
51+00	-99.25	9.35
51+00	-107.75	8.44
51+00	-134.99	8.67
51+00	-171.80	20.54
51+00	-176.41	20.43
52+00	182.51	23.51
52+00	177.55	23.37
52+00	144.70	12.56
52+00	116.31	11.56
52+00	87.39	12.36
52+00	72.57	10.01
52+00	55.75	0.30
52+00	20.37	-1.45
52+00	-6.36	-0.67
52+00	-28.88	-0.44
52+00	-53.43	1.60
52+00	-59.13	6.98
52+00	-86.71	6.59
52+00	-100.56	9.80
52+00	-114.18	8.99
52+00	-132.86	8.49
52+00	-169.90	20.13
52+00	-175.72	20.09
53+00	180.58	23.66

2019 SCOURS

SAN DIEGO CREEK (F05) BASIN # 1

2019 GROUND DATA

STATION	OFFSET	ELEV.
53+00	176.57	23.57
53+00	147.39	13.39
53+00	118.66	11.63
53+00	87.80	10.65
53+00	73.56	8.63
53+00	61.82	0.12
53+00	39.65	-1.37
53+00	4.43	-0.86
53+00	-14.83	-0.27
53+00	-52.89	0.82
53+00	-62.57	6.67
53+00	-95.29	10.40
53+00	-109.19	9.02
53+00	-133.38	8.79
53+00	-170.44	20.16
53+00	-177.57	20.19
54+00	179.53	23.62
54+00	175.67	23.50
54+00	145.47	12.57
54+00	111.93	10.59
54+00	71.08	8.17
54+00	58.79	0.16
54+00	38.03	-1.42
54+00	10.93	-1.62
54+00	-32.53	-0.22
54+00	-56.51	0.92
54+00	-67.96	6.06
54+00	-98.38	10.33
54+00	-133.49	9.10
54+00	-170.30	21.08
54+00	-175.11	20.95
55+00	178.78	23.86
55+00	175.00	23.40
55+00	147.64	13.08
55+00	135.71	12.07
55+00	119.80	9.69
55+00	83.89	10.41
55+00	65.42	9.50
55+00	54.07	-0.78
55+00	38.84	-1.69
55+00	3.70	-1.30

2019 SCOURS

SAN DIEGO CREEK (F05) BASIN # 1

2019 GROUND DATA

STATION	OFFSET	ELEV.
55+00	-27.23	-0.42
55+00	-58.96	1.53
55+00	-69.38	7.29
55+00	-101.56	10.14
55+00	-137.26	9.83
55+00	-169.58	20.22
55+00	-173.86	20.09
56+00	180.31	23.69
56+00	175.08	23.32
56+00	147.59	12.64
56+00	140.53	12.05
56+00	131.84	10.01
56+00	91.55	9.98
56+00	59.19	7.17
56+00	49.41	-0.34
56+00	22.78	-2.52
56+00	-8.12	-1.47
56+00	-41.27	-0.07
56+00	-60.39	1.50
56+00	-75.47	6.58
56+00	-96.95	9.42
56+00	-134.05	9.92
56+00	-169.67	20.62
56+00	-173.29	20.43
57+00	182.91	23.67
57+00	176.56	23.18
57+00	149.67	13.52
57+00	137.70	11.74
57+00	118.71	9.62
57+00	78.30	10.34
57+00	66.16	11.19
57+00	47.46	1.43
57+00	24.28	-1.79
57+00	-10.99	-1.41
57+00	-37.64	-0.66
57+00	-53.49	0.73
57+00	-62.01	4.06
57+00	-85.31	6.29
57+00	-104.15	9.74
57+00	-136.36	9.15
57+00	-171.43	20.84

2019 SCOURS

SAN DIEGO CREEK (F05) BASIN # 1

2019 GROUND DATA

STATION	OFFSET	ELEV.
57+00	-175.54	20.72
58+00	181.98	23.78
58+00	175.93	23.19
58+00	152.84	14.52
58+00	142.16	13.75
58+00	116.05	9.55
58+00	82.13	10.43
58+00	71.42	10.41
58+00	57.92	2.02
58+00	37.02	-1.81
58+00	-8.96	-1.24
58+00	-18.30	-0.95
58+00	-52.77	0.83
58+00	-71.44	7.75
58+00	-88.90	8.16
58+00	-99.12	10.40
58+00	-106.54	9.17
58+00	-134.66	9.31
58+00	-173.34	21.82
58+00	-178.36	21.71
59+00	180.44	24.05
59+00	174.99	23.48
59+00	152.42	14.74
59+00	125.58	9.85
59+00	90.81	12.11
59+00	71.92	10.77
59+00	56.93	1.41
59+00	35.10	-1.90
59+00	14.67	-1.43
59+00	-15.69	-0.85
59+00	-46.33	-0.05
59+00	-61.77	7.38
59+00	-97.56	10.00
59+00	-136.57	9.48
59+00	-176.10	22.50
59+00	-181.55	22.23
60+00	186.69	24.08
60+00	181.30	24.05
60+00	174.65	23.84
60+00	153.78	15.05

2019 SCOURS

SAN DIEGO CREEK (F05) BASIN # 1

2019 GROUND DATA

STATION	OFFSET	ELEV.
60+00	144.52	14.20
60+00	127.80	9.67
60+00	96.08	12.41
60+00	77.14	11.35
60+00	53.02	-0.06
60+00	31.04	-1.90
60+00	-7.24	-1.15
60+00	-36.02	-1.06
60+00	-58.28	0.59
60+00	-66.78	4.90
60+00	-74.73	7.01
60+00	-86.35	7.76
60+00	-99.73	9.67
60+00	-136.01	9.33
60+00	-173.77	21.86
60+00	-184.00	21.60
61+00	186.77	23.96
61+00	181.92	23.91
61+00	176.53	23.48
61+00	154.36	14.88
61+00	146.59	14.04
61+00	124.28	10.30
61+00	64.21	8.72
61+00	49.53	-0.32
61+00	25.34	-1.44
61+00	-13.96	-1.56
61+00	-38.61	-1.01
61+00	-60.92	0.27
61+00	-70.98	6.20
61+00	-80.93	8.15
61+00	-107.89	9.22
61+00	-138.24	9.70
61+00	-175.71	22.08
61+00	-183.41	22.02
62+00	187.04	23.94
62+00	181.78	23.81
62+00	173.64	23.00
62+00	137.34	11.51
62+00	102.88	11.73
62+00	76.08	9.23
62+00	39.31	-1.29

2019 SCOURS

SAN DIEGO CREEK (F05) BASIN # 1

2019 GROUND DATA

STATION	OFFSET	ELEV.
62+00	14.51	-1.98
62+00	5.00	-2.10
62+00	-40.74	-1.17
62+00	-59.30	0.14
62+00	-67.27	3.86
62+00	-75.65	4.32
62+00	-82.09	6.78
62+00	-99.34	9.40
62+00	-111.62	9.40
62+00	-136.99	9.96
62+00	-174.99	22.24
62+00	-182.54	22.08
63+00	187.43	24.18
63+00	182.48	24.24
63+00	174.90	23.75
63+00	150.34	14.62
63+00	105.60	12.51
63+00	66.56	8.83
63+00	48.92	6.84
63+00	36.53	-0.39
63+00	3.01	-2.13
63+00	-2.47	-1.83
63+00	-43.77	-0.53
63+00	-61.18	0.65
63+00	-70.49	6.49
63+00	-98.57	9.63
63+00	-111.24	9.93
63+00	-138.68	10.08
63+00	-176.70	22.60
63+00	-186.40	22.23
64+00	186.17	24.26
64+00	181.16	24.31
64+00	175.44	23.64
64+00	126.66	9.93
64+00	88.45	10.62
64+00	63.37	8.67
64+00	51.47	-0.84
64+00	33.65	-1.44
64+00	-5.28	-1.17
64+00	-18.86	-0.77
64+00	-59.67	0.63

2019 SCOURS

SAN DIEGO CREEK (F05) BASIN # 1

2019 GROUND DATA

STATION	OFFSET	ELEV.
64+00	-69.46	6.42
64+00	-93.97	7.99
64+00	-100.52	9.82
64+00	-112.29	10.06
64+00	-139.78	10.55
64+00	-176.55	22.28
64+00	-183.54	22.21
65+00	186.22	24.27
65+00	180.86	24.29
65+00	174.10	23.56
65+00	131.68	10.67
65+00	101.52	11.65
65+00	64.17	10.01
65+00	50.53	-0.84
65+00	17.82	-1.51
65+00	-7.83	-1.17
65+00	-18.38	-0.92
65+00	-23.00	-0.87
65+00	-51.44	0.69
65+00	-62.58	6.62
65+00	-70.30	6.10
65+00	-91.33	8.44
65+00	-98.74	10.27
65+00	-125.08	9.95
65+00	-141.58	10.43
65+00	-178.23	22.58
65+00	-186.03	22.16
66+00	185.09	24.27
66+00	180.43	24.25
66+00	175.74	23.90
66+00	133.90	11.14
66+00	96.34	11.51
66+00	64.25	9.74
66+00	47.84	0.17
66+00	11.24	-1.82
66+00	-17.02	-0.96
66+00	-52.51	0.47
66+00	-77.41	7.47
66+00	-108.79	10.45
66+00	-140.24	10.25
66+00	-178.82	22.51

2019 SCOURS

SAN DIEGO CREEK (F05) BASIN # 1

2019 GROUND DATA

STATION	OFFSET	ELEV.
66+00	-185.22	22.27
67+00	185.92	23.89
67+00	180.91	24.02
67+00	175.89	23.50
67+00	148.41	14.53
67+00	121.32	10.68
67+00	86.26	12.90
67+00	60.91	-0.09
67+00	19.97	-1.51
67+00	-2.57	-1.08
67+00	-31.57	-0.37
67+00	-49.38	1.31
67+00	-58.38	4.31
67+00	-79.71	6.81
67+00	-109.08	10.32
67+00	-141.24	10.36
67+00	-180.48	22.92
67+00	-187.80	22.87
68+00	186.17	24.19
68+00	181.66	24.25
68+00	175.39	23.78
68+00	151.03	15.11
68+00	130.52	10.94
68+00	81.18	11.37
68+00	66.73	1.15
68+00	17.37	-1.17
68+00	9.30	-1.27
68+00	-14.90	-0.81
68+00	-43.48	0.91
68+00	-52.52	4.81
68+00	-85.21	7.35
68+00	-106.26	10.47
68+00	-142.72	10.72
68+00	-178.44	22.84
68+00	-185.47	22.86
69+00	178.93	24.10
69+00	171.93	23.89
69+00	170.65	23.40
69+00	149.20	14.98
69+00	115.62	10.12

2019 SCOURS

SAN DIEGO CREEK (F05) BASIN # 1

2019 GROUND DATA

STATION	OFFSET	ELEV.
69+00	89.89	11.18
69+00	61.95	-0.40
69+00	25.61	-1.84
69+00	-1.07	-1.45
69+00	-38.94	1.61
69+00	-44.00	3.18
69+00	-89.21	7.03
69+00	-103.96	10.45
69+00	-145.62	11.43
69+00	-181.67	23.10
69+00	-187.10	23.04
70+00	179.42	24.42
70+00	172.54	24.37
70+00	171.28	23.57
70+00	145.95	15.25
70+00	128.36	10.96
70+00	110.37	10.44
70+00	95.26	13.49
70+00	68.25	0.02
70+00	42.00	-1.77
70+00	12.59	-1.27
70+00	-18.23	-0.26
70+00	-30.84	6.77
70+00	-66.81	6.24
70+00	-102.14	10.66
70+00	-141.64	10.70
70+00	-144.78	11.09
70+00	-181.80	23.53
70+00	-187.38	23.34
71+00	181.08	24.63
71+00	175.22	24.52
71+00	173.90	23.92
71+00	149.24	15.12
71+00	121.10	11.73
71+00	95.16	13.18
71+00	77.26	0.54
71+00	57.88	-1.84
71+00	29.01	-2.36
71+00	6.02	-1.19
71+00	-16.89	1.24
71+00	-31.61	7.17

2019 SCOURS

SAN DIEGO CREEK (F05) BASIN # 1

2019 GROUND DATA

STATION	OFFSET	ELEV.
71+00	-48.50	5.59
71+00	-74.72	7.13
71+00	-98.07	9.24
71+00	-145.99	11.18
71+00	-182.93	23.31
71+00	-189.07	23.22
72+00	184.22	24.32
72+00	179.55	24.37
72+00	176.21	23.96
72+00	128.75	12.10
72+00	101.59	9.27
72+00	88.50	6.93
72+00	80.70	-0.02
72+00	45.40	-1.64
72+00	22.12	-1.46
72+00	21.53	-1.53
72+00	-9.80	-0.08
72+00	-22.72	4.95
72+00	-44.94	5.84
72+00	-80.90	9.47
72+00	-106.13	11.03
72+00	-146.37	11.58
72+00	-182.90	23.47
72+00	-188.96	23.35
73+00	184.44	24.76
73+00	179.51	24.68
73+00	176.02	24.15
73+00	139.69	13.54
73+00	109.04	13.62
73+00	77.47	0.51
73+00	44.84	-2.49
73+00	30.89	-2.10
73+00	4.78	0.31
73+00	-5.16	4.33
73+00	-32.85	7.81
73+00	-66.77	7.36
73+00	-146.62	11.47
73+00	-183.76	23.25
73+00	-188.78	23.05
74+00	184.97	24.87

2019 SCOURS

SAN DIEGO CREEK (F05) BASIN # 1

2019 GROUND DATA

STATION	OFFSET	ELEV.
74+00	180.43	24.81
74+00	177.23	24.44
74+00	150.68	15.82
74+00	114.86	13.95
74+00	98.64	12.98
74+00	82.63	2.12
74+00	63.69	-2.36
74+00	36.70	-2.93
74+00	9.89	-0.04
74+00	-18.38	5.13
74+00	-27.94	5.31
74+00	-50.57	7.08
74+00	-95.34	11.26
74+00	-147.41	12.18
74+00	-183.47	23.31
74+00	-189.62	23.20
75+00	186.01	24.48
75+00	180.47	24.62
75+00	173.60	23.59
75+00	152.39	16.00
75+00	112.70	12.61
75+00	85.05	-0.26
75+00	77.31	-1.31
75+00	39.84	-6.43
75+00	15.84	-1.56
75+00	-4.74	0.08
75+00	-32.48	6.78
75+00	-64.49	7.99
75+00	-95.06	10.91
75+00	-102.90	11.18
75+00	-112.19	11.48
75+00	-141.36	12.04
75+00	-146.19	12.74
75+00	-178.71	23.82
75+00	-186.30	23.73
76+00	184.47	24.63
76+00	179.19	24.68
76+00	176.34	24.58
76+00	159.75	18.08
76+00	142.53	13.58
76+00	119.86	10.81

2019 SCOURS

SAN DIEGO CREEK (F05) BASIN # 1

2019 GROUND DATA

STATION	OFFSET	ELEV.
76+00	97.41	0.67
76+00	54.24	-11.45
76+00	39.87	-12.95
76+00	14.47	-5.98
76+00	-6.30	0.67
76+00	-16.35	5.92
76+00	-31.82	7.81
76+00	-42.02	1.37
76+00	-69.60	0.87
76+00	-78.10	10.48
76+00	-102.14	11.97
76+00	-125.23	13.89
76+00	-146.95	15.22
76+00	-147.37	15.28
76+00	-172.27	24.02
76+00	-181.03	23.61

2019 SCOURS

SAN DIEGO CREEK (F05) BASIN # 1

MAXIMUM CAPACITY PLAN TEMPLATE DATA

STATION	OFFSET	ELEV.
34+00	-102.05	6.67
34+00	-80.23	0.00
34+00	73.25	0.00
34+00	95.83	7.53
35+00	-101.56	6.84
35+00	-80.07	0.00
35+00	73.35	0.00
35+00	98.80	8.48
36+00	-101.08	7.00
36+00	-80.15	0.00
36+00	75.18	0.00
36+00	101.61	8.81
37+00	-101.09	7.20
37+00	-80.09	0.00
37+00	73.57	0.00
37+00	101.05	9.16
38+00	-101.11	7.40
38+00	-80.18	0.00
38+00	71.49	0.00
38+00	100.51	9.69
39+00	-101.11	7.50
39+00	-80.12	0.00
39+00	70.75	0.00
39+00	101.85	10.37
40+00	-101.13	7.60
40+00	-80.21	0.00
40+00	70.89	0.00
40+00	103.16	10.75
41+00	-101.19	7.65
41+00	-80.14	0.00
41+00	70.05	0.00
41+00	101.45	10.47
42+00	-101.25	7.70
42+00	-80.22	0.00
42+00	69.79	0.00
42+00	100.02	9.88
43+00	-101.26	7.80
43+00	-80.16	0.00
43+00	70.68	0.00
43+00	98.58	9.30

2019 SCOURS

SAN DIEGO CREEK (F05) BASIN # 1

MAXIMUM CAPACITY PLAN TEMPLATE DATA

STATION	OFFSET	ELEV.
44+00	-101.27	7.90
44+00	-80.25	0.00
44+00	70.41	0.00
44+00	97.42	9.00
45+00	-101.28	7.95
45+00	-80.18	0.00
45+00	65.05	0.00
45+00	96.41	10.45
46+00	-101.30	8.00
46+00	-80.28	0.00
46+00	65.70	0.00
46+00	95.39	9.90
47+00	-102.46	8.10
47+00	-81.37	0.00
47+00	62.94	0.00
47+00	93.74	10.27
48+00	-101.34	8.20
48+00	-80.33	0.00
48+00	69.07	0.00
48+00	94.45	8.46
49+00	-103.11	8.29
49+00	-82.00	0.00
49+00	64.01	0.00
49+00	91.65	9.21
50+00	-102.03	8.38
50+00	-80.83	0.00
50+00	61.35	0.00
50+00	91.94	10.20
51+00	-102.71	8.49
51+00	-79.46	0.00
51+00	58.15	0.00
51+00	92.04	11.30
52+00	-101.70	8.60
52+00	-75.99	0.00
52+00	57.00	0.00
52+00	94.41	12.47
53+00	-103.19	8.70
53+00	-77.04	0.00
53+00	60.18	0.00
53+00	92.47	10.76

2019 SCOURS

SAN DIEGO CREEK (F05) BASIN # 1

MAXIMUM CAPACITY PLAN TEMPLATE DATA

STATION	OFFSET	ELEV.
54+00	-101.82	8.80
54+00	-75.41	0.00
54+00	64.12	0.00
54+00	93.58	9.82
55+00	-103.36	8.90
55+00	-76.57	0.00
55+00	63.25	0.00
55+00	92.55	9.82
56+00	-102.04	9.00
56+00	-75.04	0.00
56+00	65.36	0.00
56+00	94.57	9.73
57+00	-103.53	9.15
57+00	-76.09	0.00
57+00	60.15	0.00
57+00	94.52	11.46
58+00	-102.16	9.30
58+00	-74.47	0.00
58+00	63.80	0.00
58+00	97.52	11.24
59+00	-103.65	9.35
59+00	-75.61	0.00
59+00	61.37	0.00
59+00	95.24	11.29
60+00	-102.29	9.40
60+00	-74.08	0.00
60+00	59.14	0.00
60+00	95.92	12.26
61+00	-103.87	9.55
61+00	-75.18	0.00
61+00	59.67	0.00
61+00	95.08	11.80
62+00	-102.61	9.70
62+00	-73.61	0.00
62+00	59.30	0.00
62+00	97.19	12.63
63+00	-104.07	9.79
63+00	-74.70	0.00
63+00	63.56	0.00
63+00	96.36	10.93

2019 SCOURS

SAN DIEGO CREEK (F05) BASIN # 1

MAXIMUM CAPACITY PLAN TEMPLATE DATA

STATION	OFFSET	ELEV.
64+00	-102.76	9.91
64+00	-73.12	0.00
64+00	64.90	0.00
64+00	98.58	11.32
65+00	-104.27	10.00
65+00	-74.23	0.00
65+00	61.32	0.00
65+00	96.78	11.82
66+00	-102.96	10.10
66+00	-72.65	0.00
66+00	65.22	0.00
66+00	98.06	10.94
67+00	-104.44	10.25
67+00	-73.75	0.00
67+00	59.18	0.00
67+00	96.61	12.48
68+00	-103.07	10.40
68+00	-72.16	0.00
68+00	65.71	0.00
68+00	98.24	10.84
69+00	-104.60	10.50
69+00	-73.21	0.00
69+00	63.30	0.00
69+00	97.45	11.38
70+00	-103.28	10.60
70+00	-71.57	0.00
70+00	61.48	0.00
70+00	99.72	12.75
71+00	-104.76	10.70
71+00	-72.68	0.00
71+00	61.85	0.00
71+00	99.18	12.44
72+00	-103.42	10.81
72+00	-71.09	0.00
72+00	81.54	0.00
72+00	101.71	7.61
73+00	-104.88	10.90
73+00	-72.19	0.00
73+00	65.02	0.00
73+00	100.66	11.88

2019 SCOURS

SAN DIEGO CREEK (F05) BASIN # 1

MAXIMUM CAPACITY PLAN TEMPLATE DATA

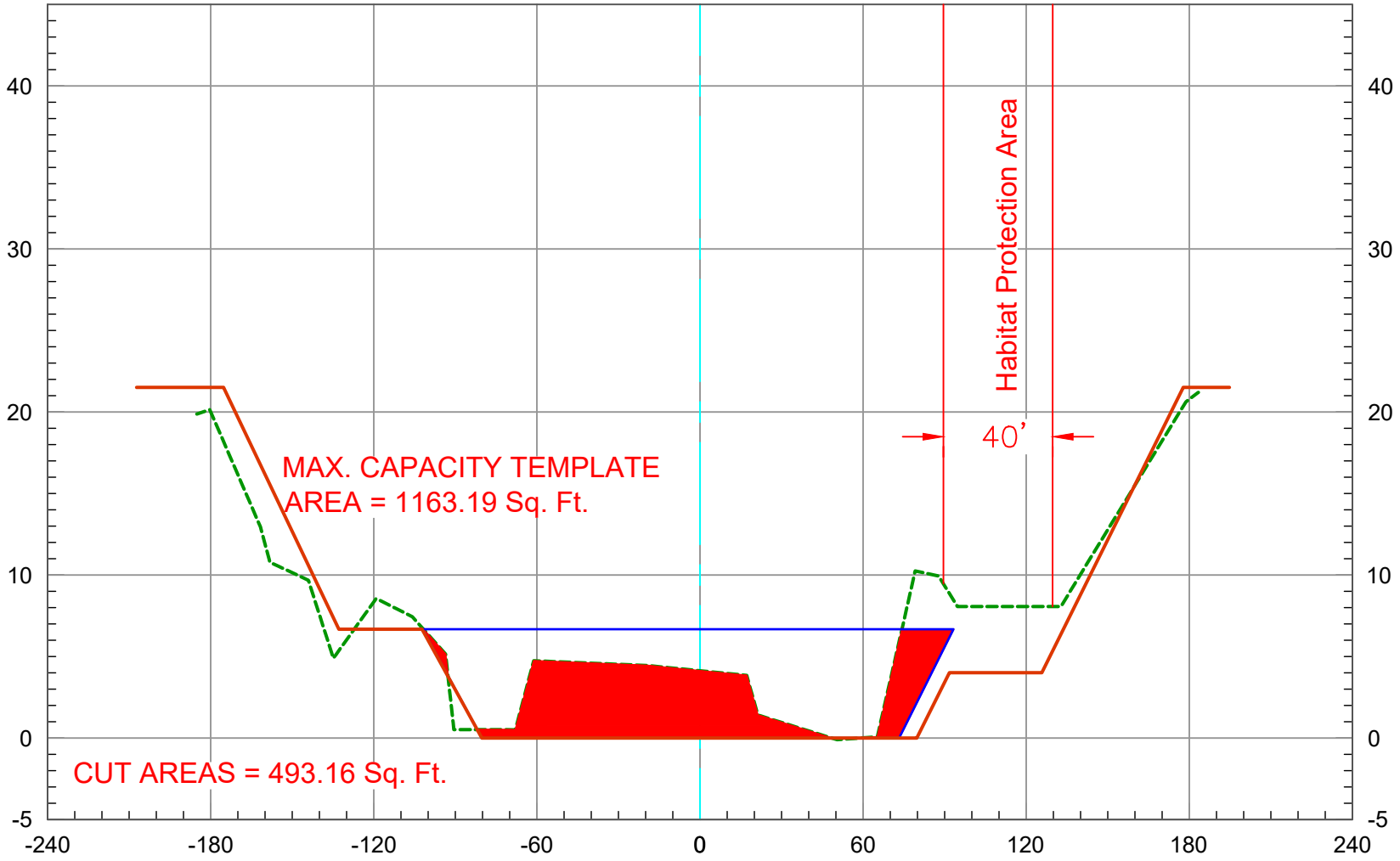
STATION	OFFSET	ELEV.
74+00	-103.55	11.00
74+00	-70.64	0.00
74+00	63.72	0.00
74+00	102.70	12.99
75+00	-112.21	11.25
75+00	-78.50	0.00
75+00	73.17	0.00
75+00	104.30	10.37
76+00	-119.97	11.50
76+00	-85.55	0.00
76+00	79.55	0.00
76+00	106.88	9.03

U.S. Survey Foot

OC Public Works
OC Survey/Field Services
Boundary Analysis & Mapping

SAN DIEGO CREEK (F05) BASIN 1 - 2019 SCOURS

CL



34+00

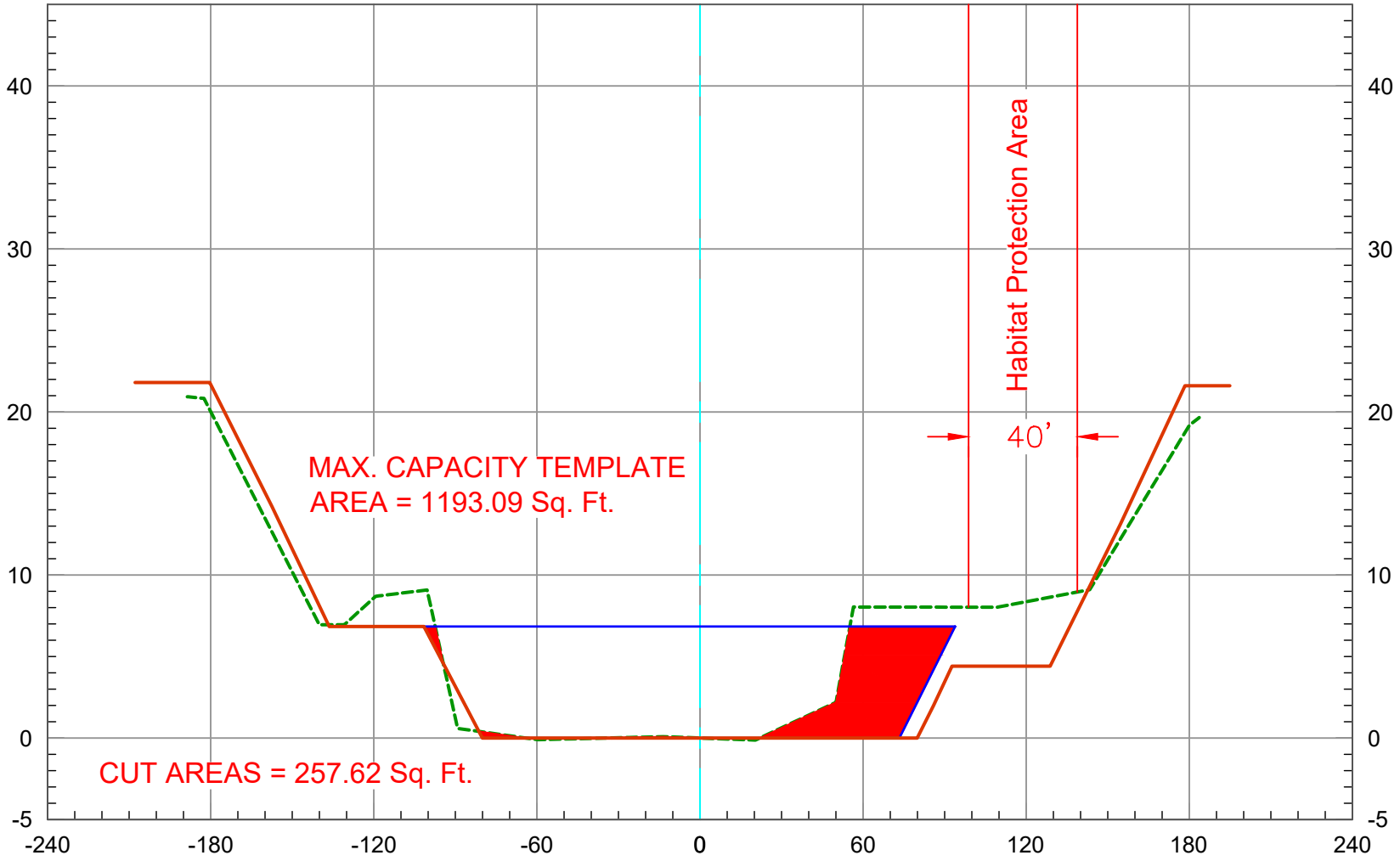
2019 Ground
As-Built Plan
Maximum Capacity

Vert. Scale: 1" = 10'
Horiz. Scale: 1" = 60'

U.S. Survey Foot

OC Public Works
OC Survey/Field Services
Boundary Analysis & Mapping

SAN DIEGO CREEK (F05) BASIN 1 - 2019 SCOURS
CL



35+00

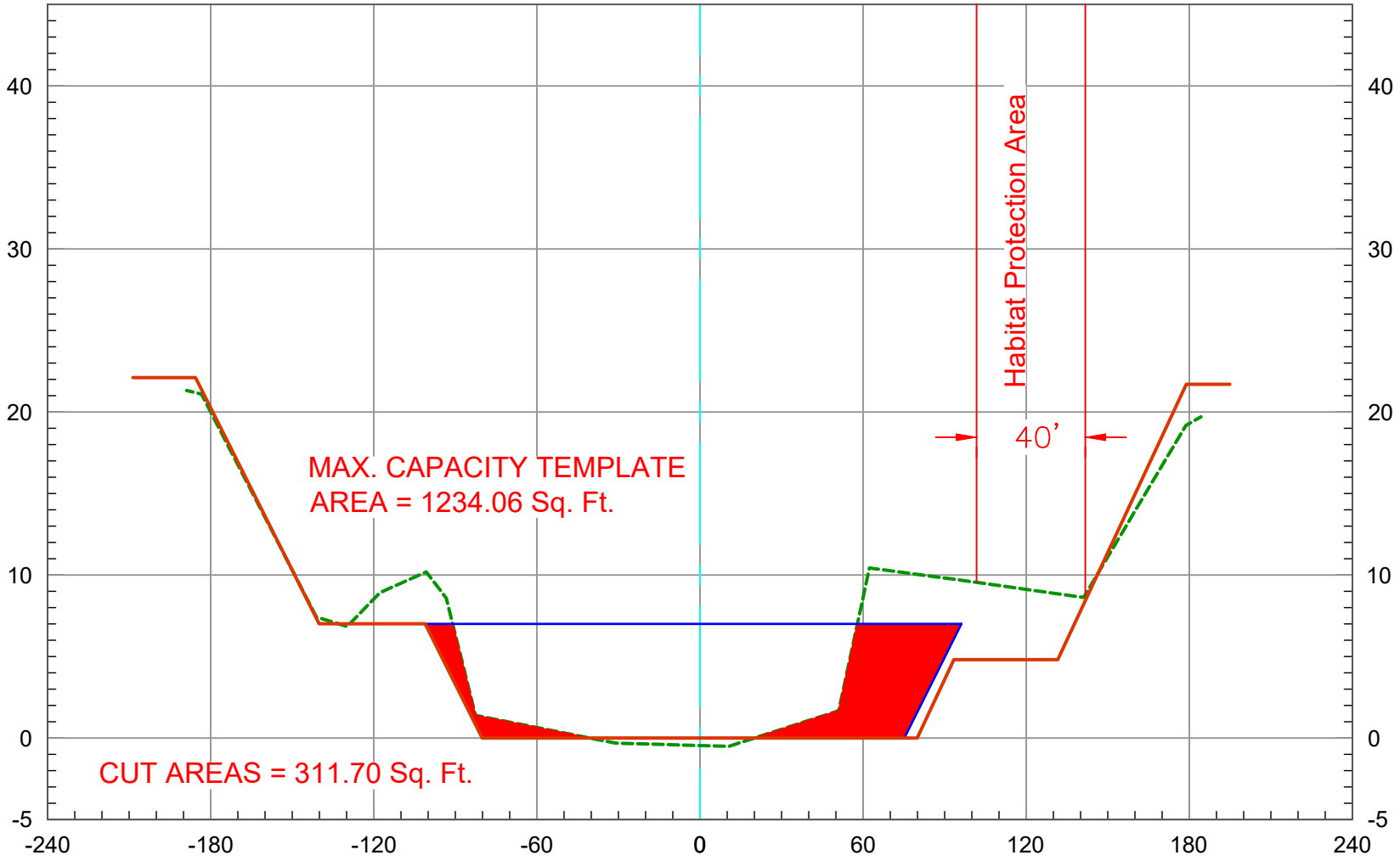
2019 Ground
As-Built Plan
Maximum Capacity

Vert. Scale: 1" = 10'
Horiz. Scale: 1" = 60'

U.S. Survey Foot

OC Public Works
OC Survey/Field Services
Boundary Analysis & Mapping

SAN DIEGO CREEK (F05) BASIN 1 - 2019 SCOURS
CL



36+00

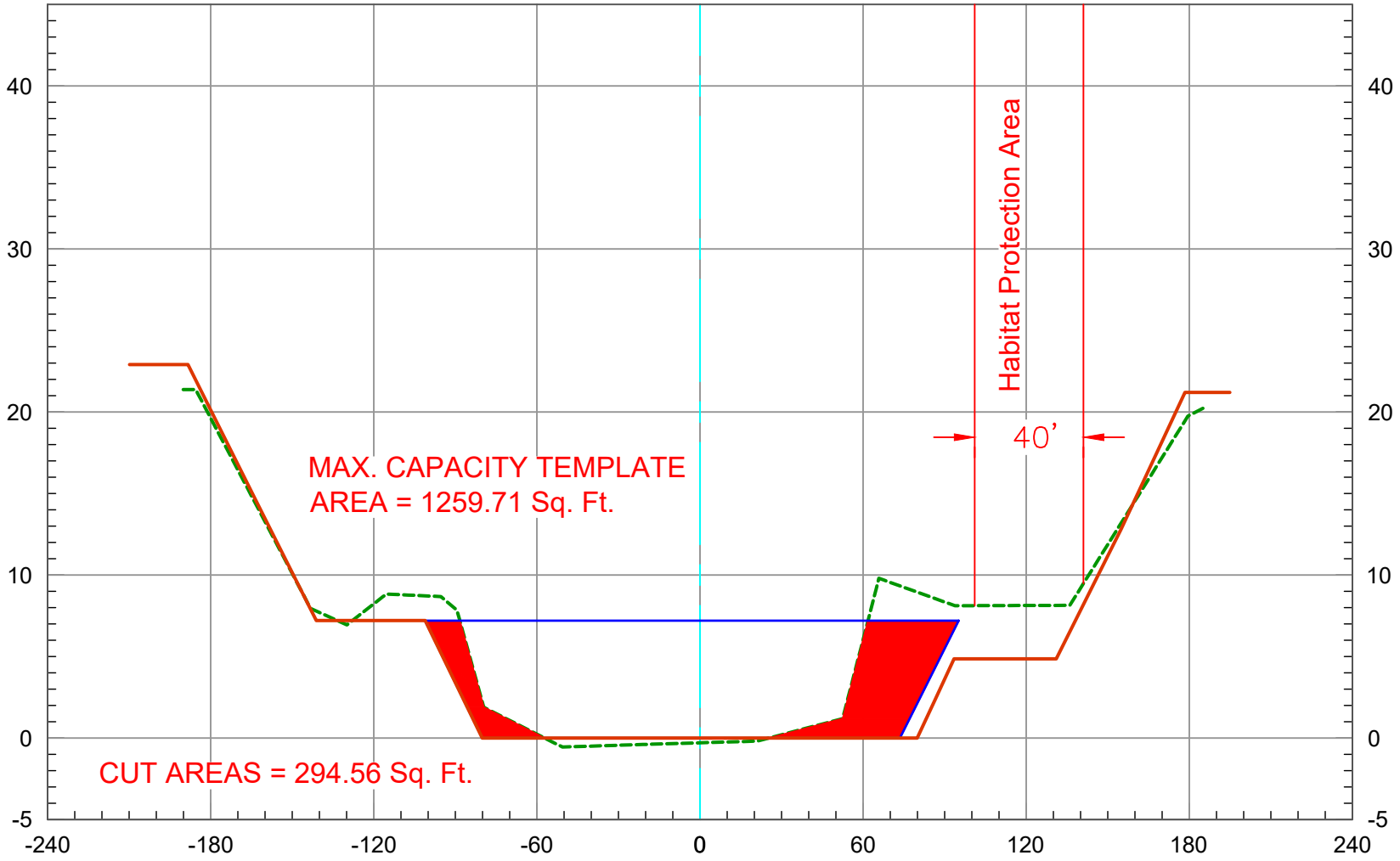
2019 Ground
As-Built Plan
Maximum Capacity

Vert. Scale: 1" = 10'
Horiz. Scale: 1" = 60'

U.S. Survey Foot

OC Public Works
OC Survey/Field Services
Boundary Analysis & Mapping

SAN DIEGO CREEK (F05) BASIN 1 - 2019 SCOURS
CL



37+00

2019 Ground
As-Built Plan
Maximum Capacity

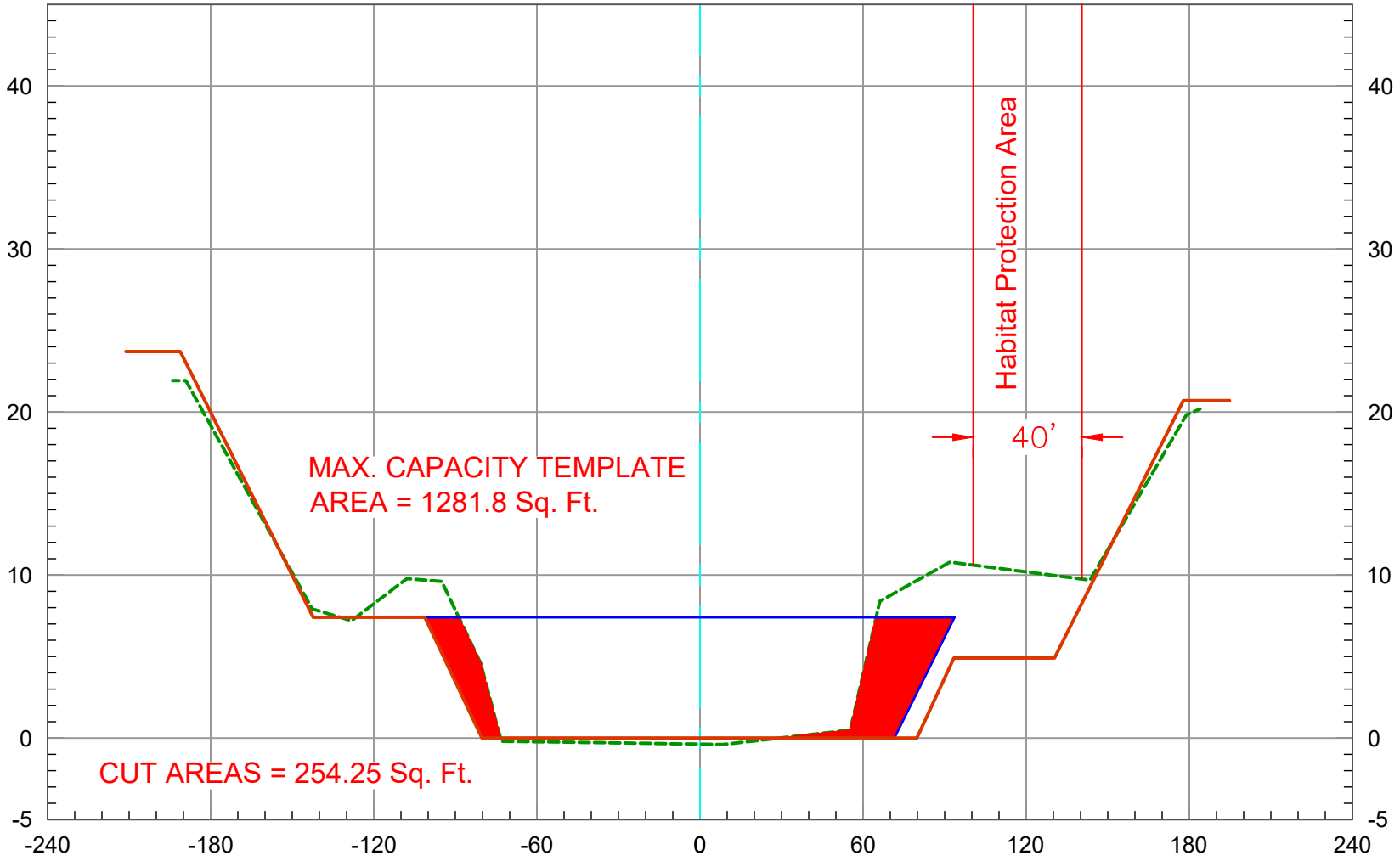
Vert. Scale: 1" = 10'
Horiz. Scale: 1" = 60'

U.S. Survey Foot

OC Public Works
OC Survey/Field Services
Boundary Analysis & Mapping

SAN DIEGO CREEK (F05) BASIN 1 - 2019 SCOURS

CL



38+00

2019 Ground
As-Built Plan
Maximum Capacity

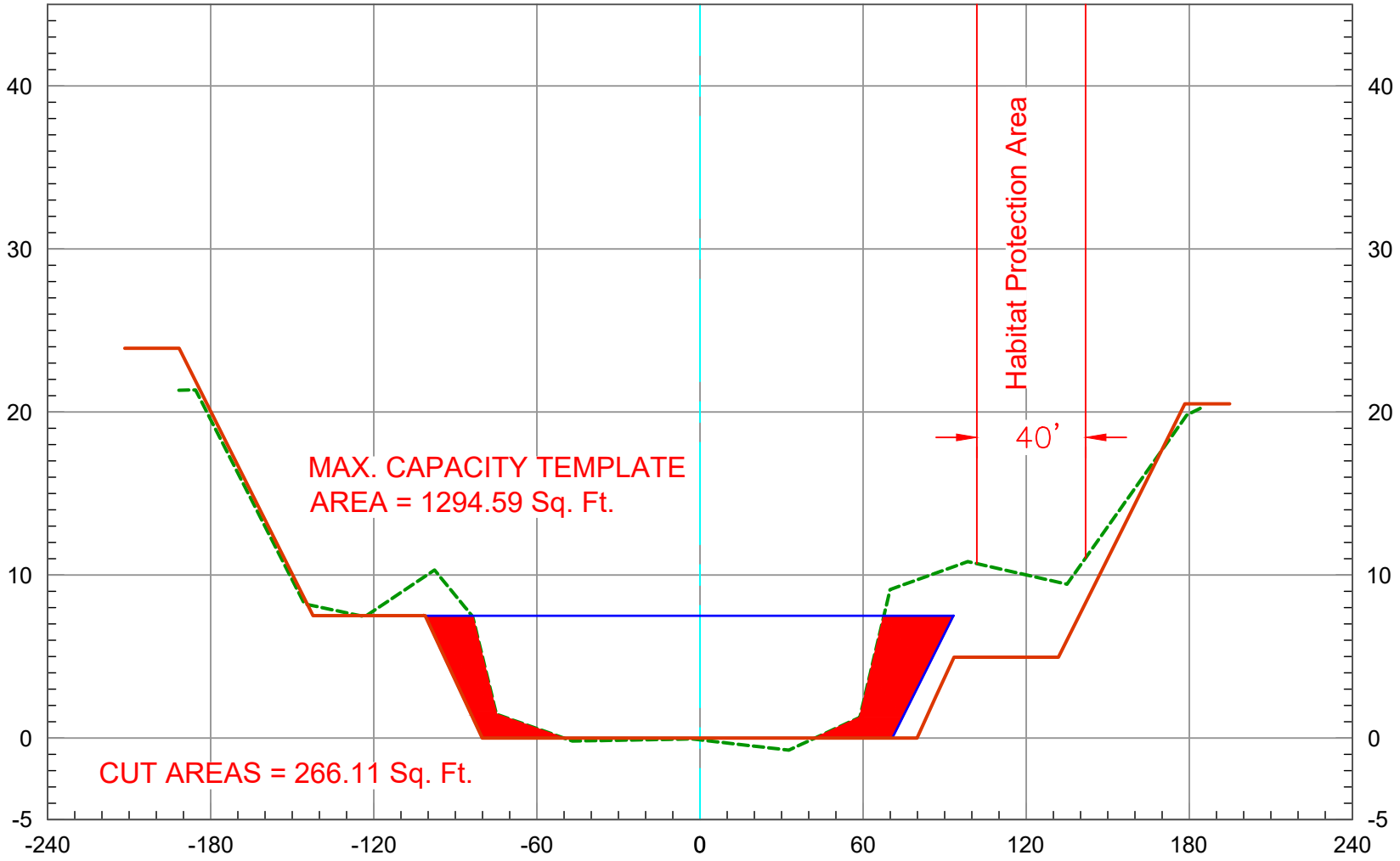
Vert. Scale: 1" = 10'
Horiz. Scale: 1" = 60'

U.S. Survey Foot

OC Public Works
OC Survey/Field Services
Boundary Analysis & Mapping

SAN DIEGO CREEK (F05) BASIN 1 - 2019 SCOURS

CL



39+00

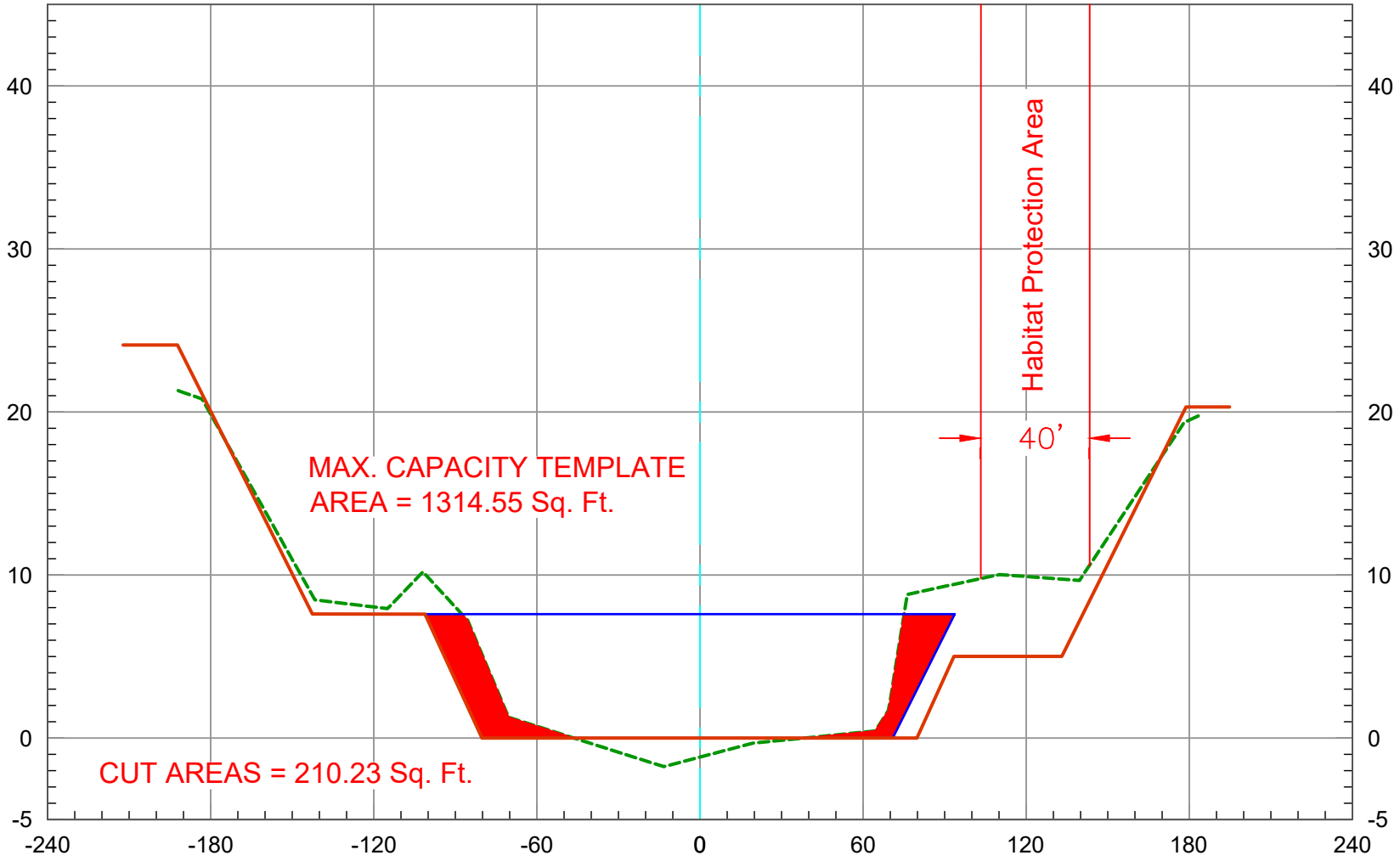
2019 Ground
As-Built Plan
Maximum Capacity

Vert. Scale: 1" = 10'
Horiz. Scale: 1" = 60'

U.S. Survey Foot

OC Public Works
OC Survey/Field Services
Boundary Analysis & Mapping

SAN DIEGO CREEK (F05) BASIN 1 - 2019 SCOURS
CL



2019 Ground
As-Built Plan
Maximum Capacity

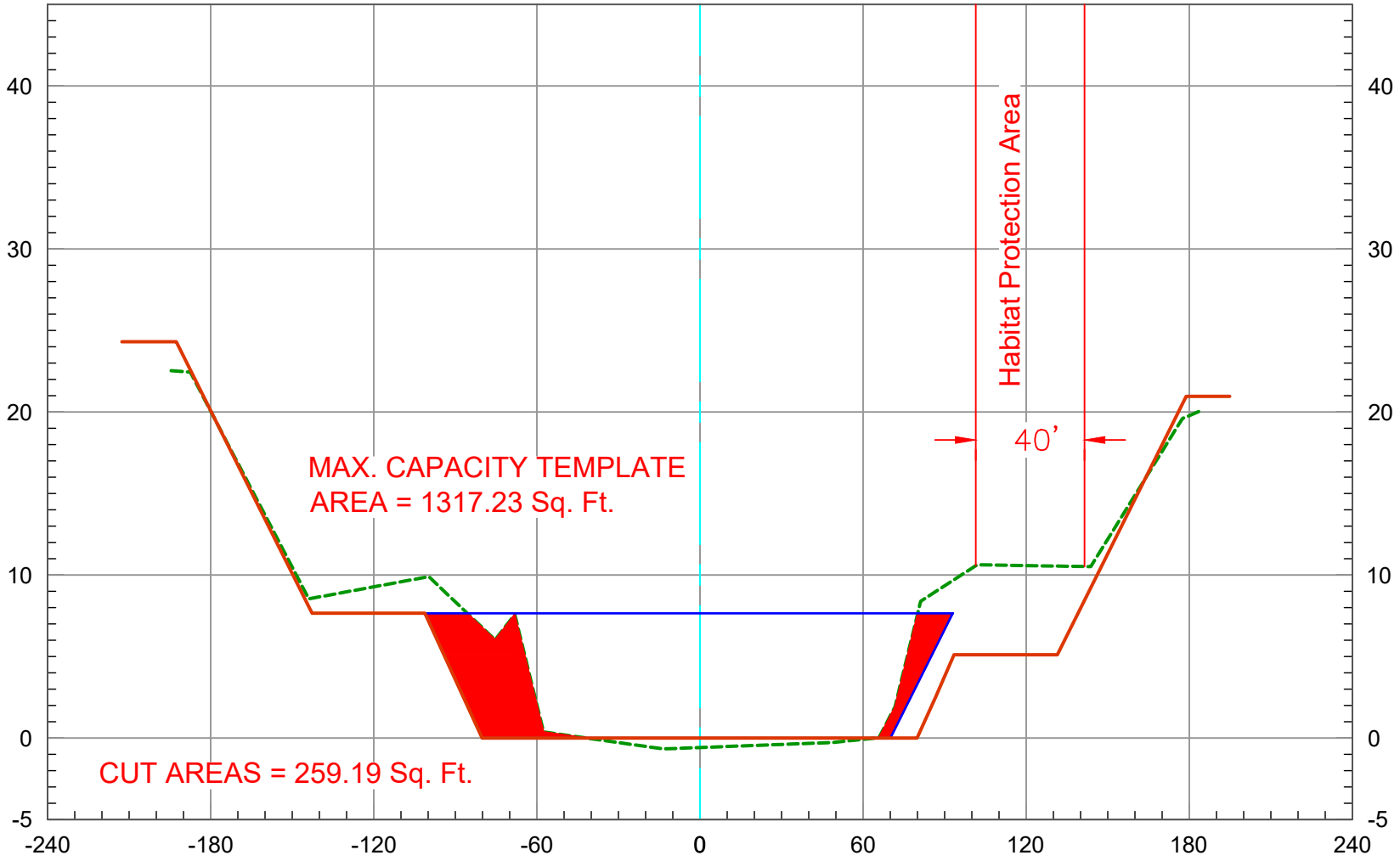
Vert. Scale: 1" = 10'
Horiz. Scale: 1" = 60'

U.S. Survey Foot

OC Public Works
OC Survey/Field Services
Boundary Analysis & Mapping

SAN DIEGO CREEK (F05) BASIN 1 - 2019 SCOURS

CL



41+00

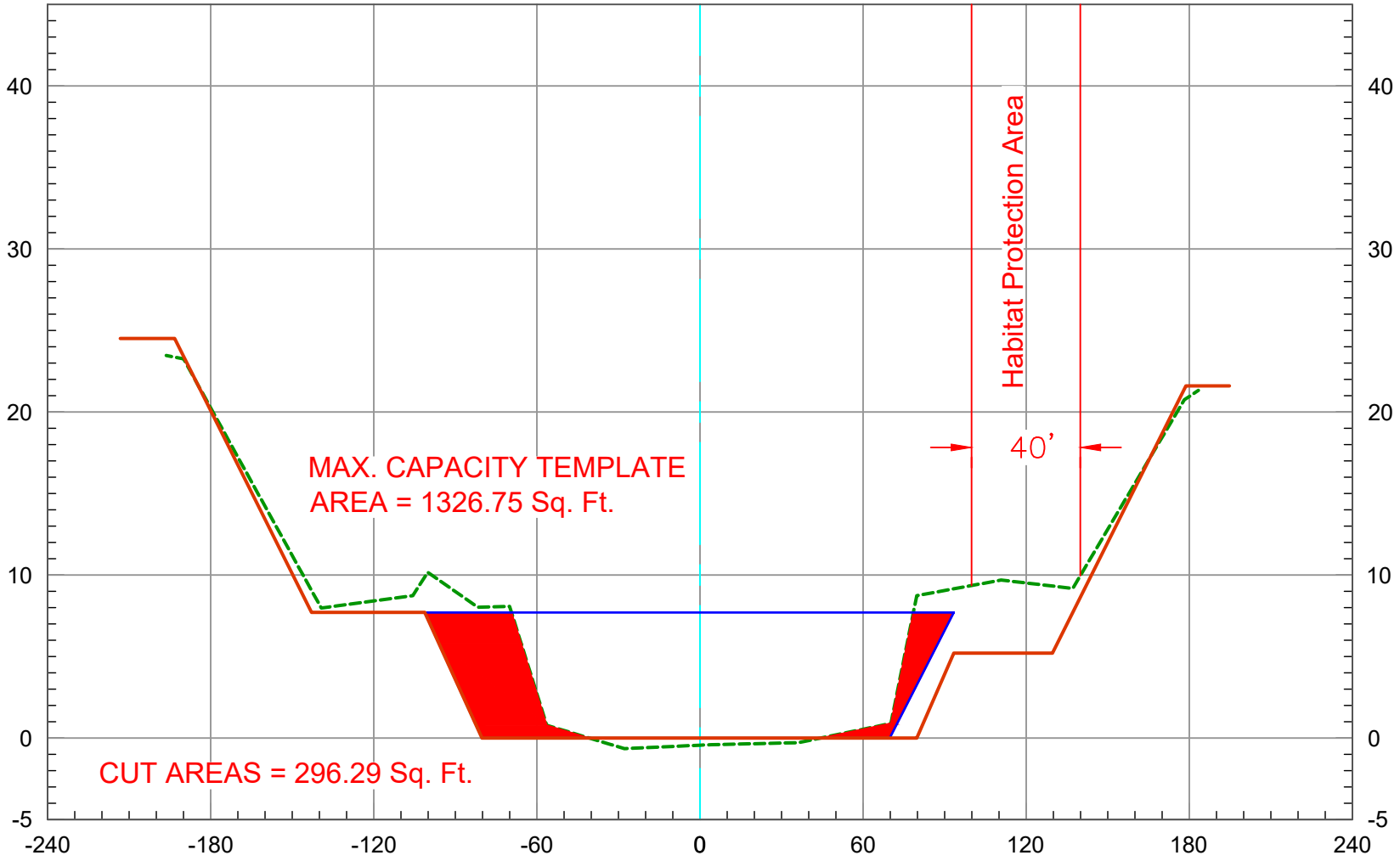
2019 Ground
As-Built Plan
Maximum Capacity

Vert. Scale: 1" = 10'
Horiz. Scale: 1" = 60'

U.S. Survey Foot

OC Public Works
OC Survey/Field Services
Boundary Analysis & Mapping

SAN DIEGO CREEK (F05) BASIN 1 - 2019 SCOURS
CL



42+00

2019 Ground
As-Built Plan
Maximum Capacity

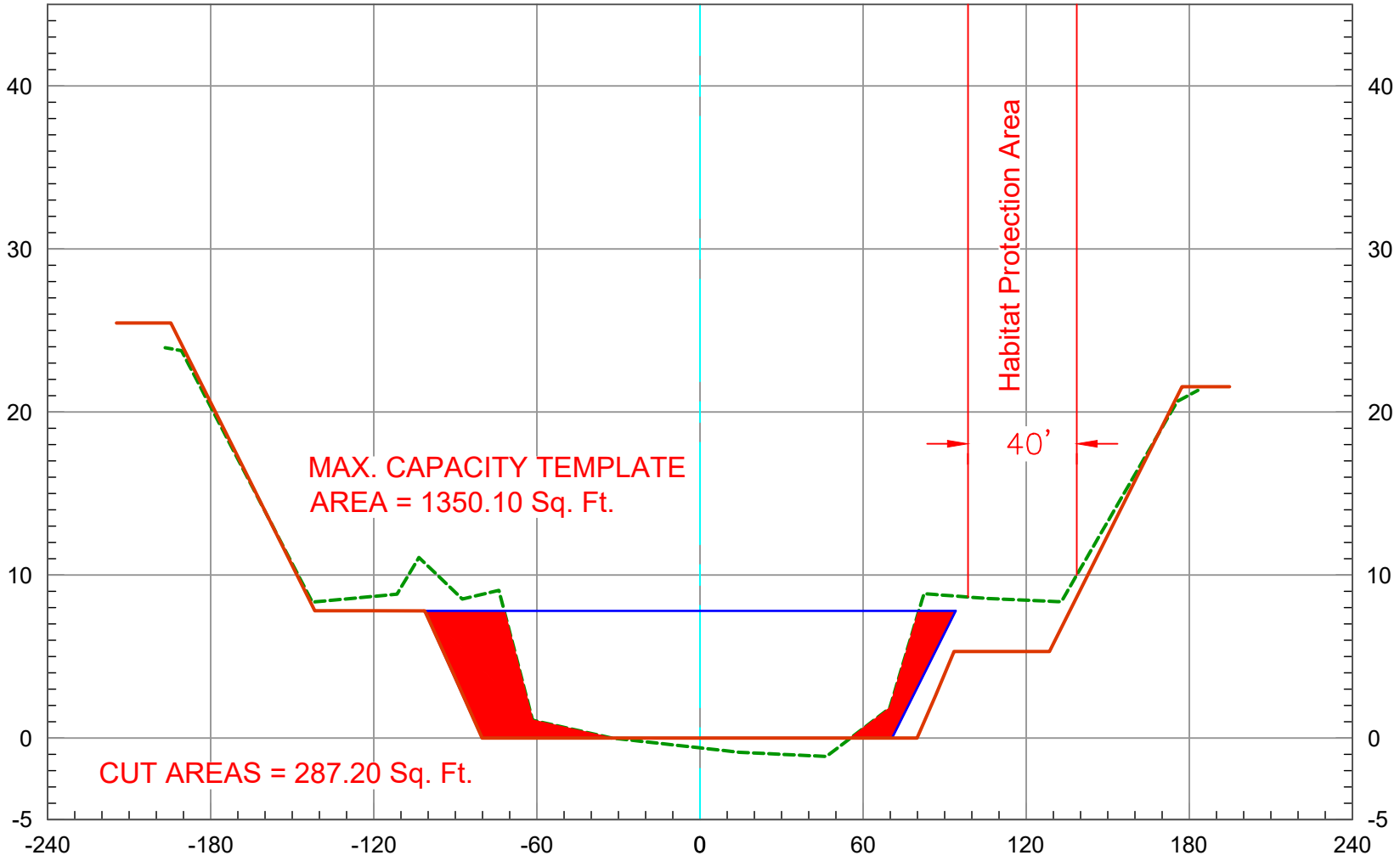
Vert. Scale: 1" = 10'
Horiz. Scale: 1" = 60'

U.S. Survey Foot

OC Public Works
OC Survey/Field Services
Boundary Analysis & Mapping

SAN DIEGO CREEK (F05) BASIN 1 - 2019 SCOURS

CL



43+00

2019 Ground
As-Built Plan
Maximum Capacity

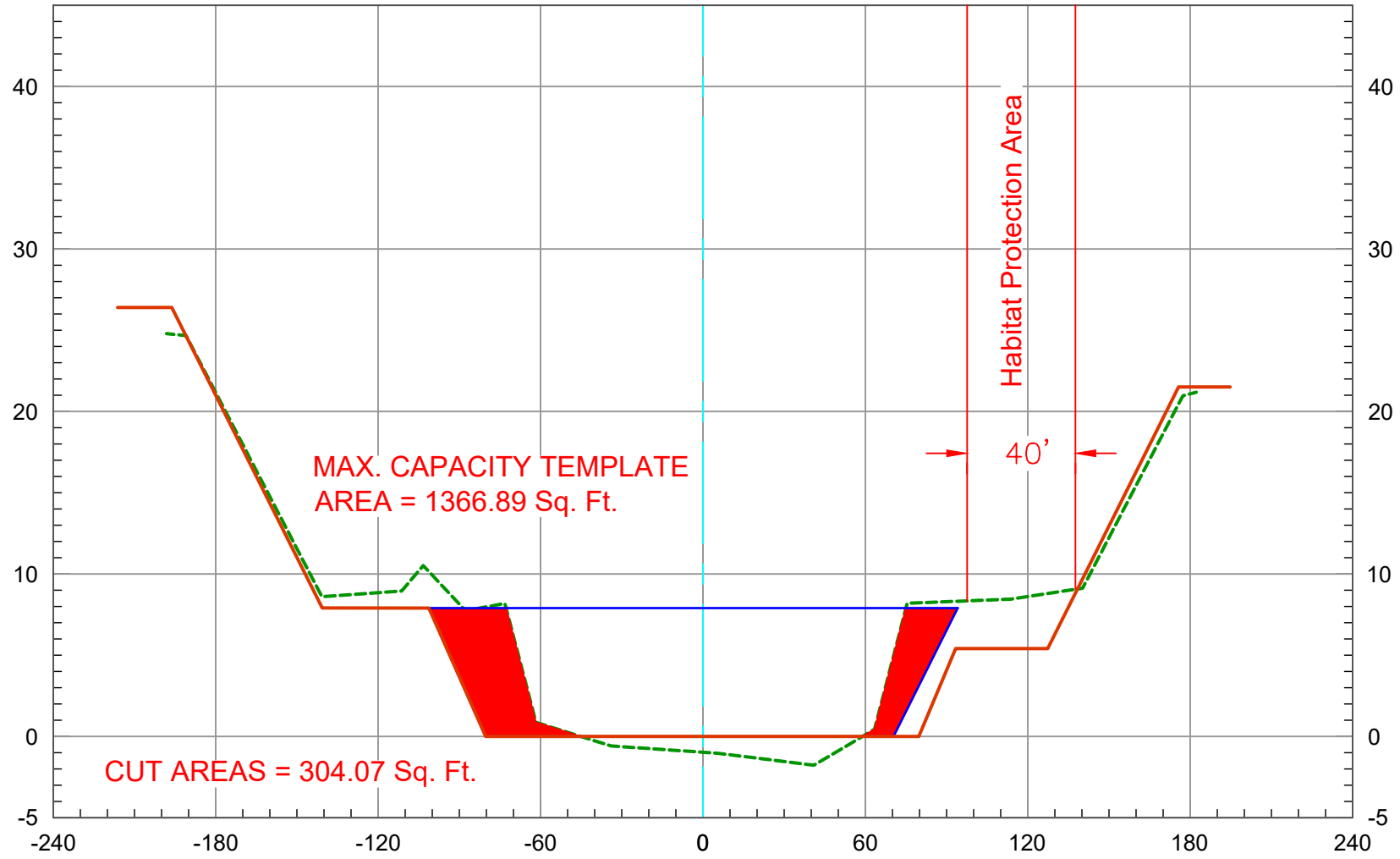
Vert. Scale: 1" = 10'
Horiz. Scale: 1" = 60'

U.S. Survey Foot

OC Public Works
OC Survey/Field Services
Boundary Analysis & Mapping

SAN DIEGO CREEK (F05) BASIN 1 - 2019 SCOURS

CL



44+00

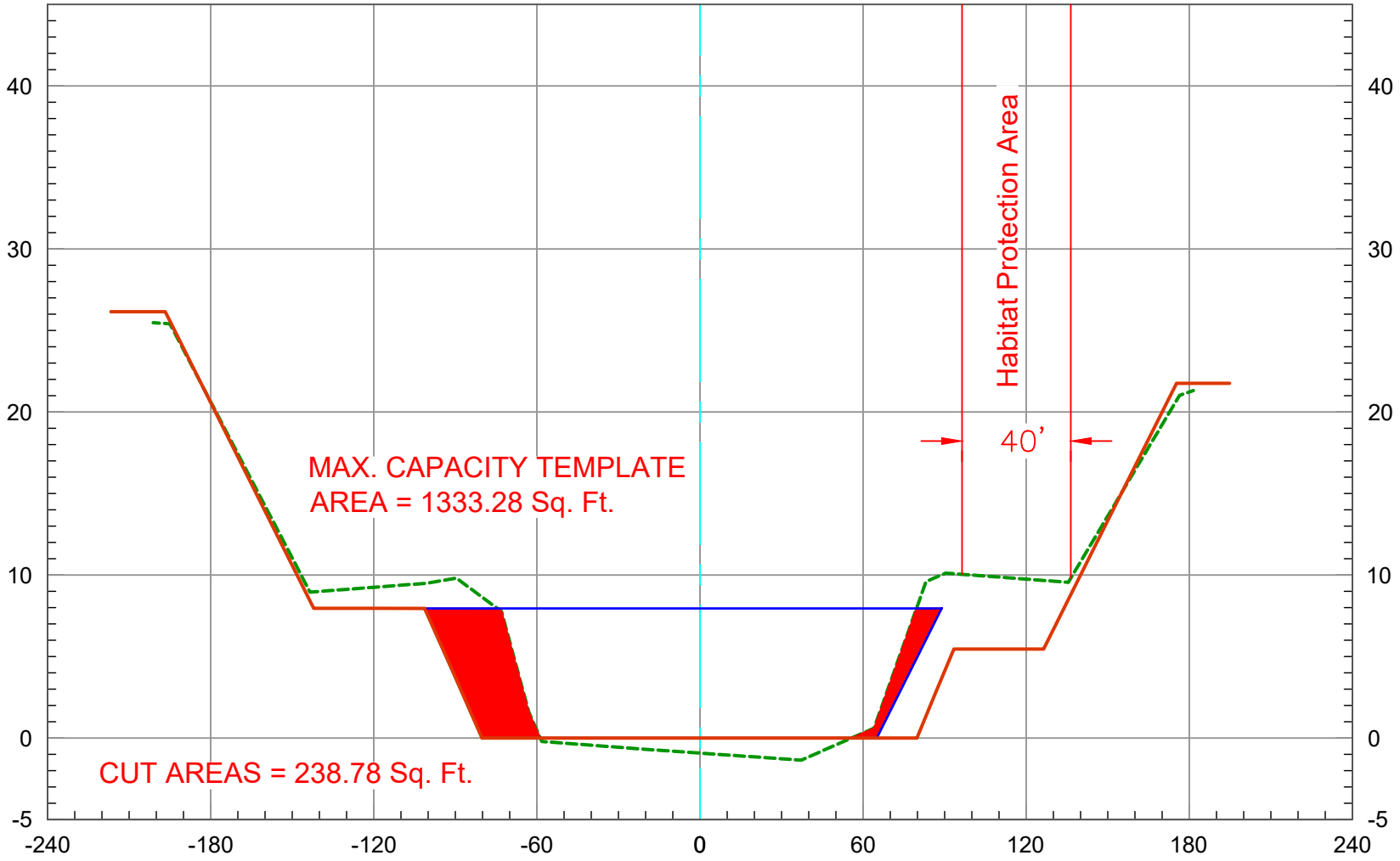
2019 Ground
As-Built Plan
Maximum Capacity

Vert. Scale: 1" = 10'
Horiz. Scale: 1" = 60'

U.S. Survey Foot

OC Public Works
OC Survey/Field Services
Boundary Analysis & Mapping

SAN DIEGO CREEK (F05) BASIN 1 - 2019 SCOURS
CL



45+00

2019 Ground
As-Built Plan
Maximum Capacity

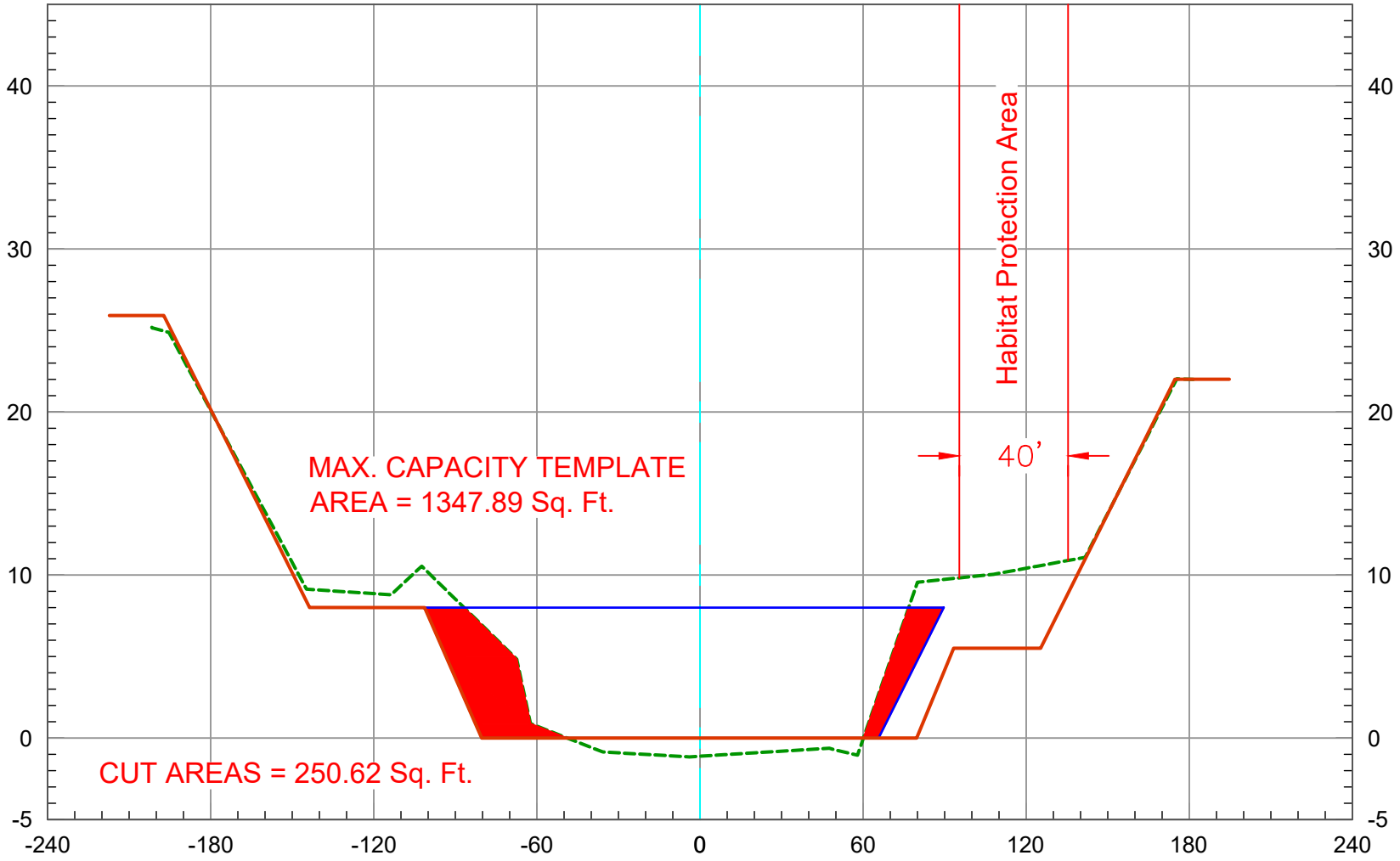
Vert. Scale: 1" = 10'
Horiz. Scale: 1" = 60'

U.S. Survey Foot

OC Public Works
OC Survey/Field Services
Boundary Analysis & Mapping

SAN DIEGO CREEK (F05) BASIN 1 - 2019 SCOURS

CL



46+00

2019 Ground
As-Built Plan
Maximum Capacity

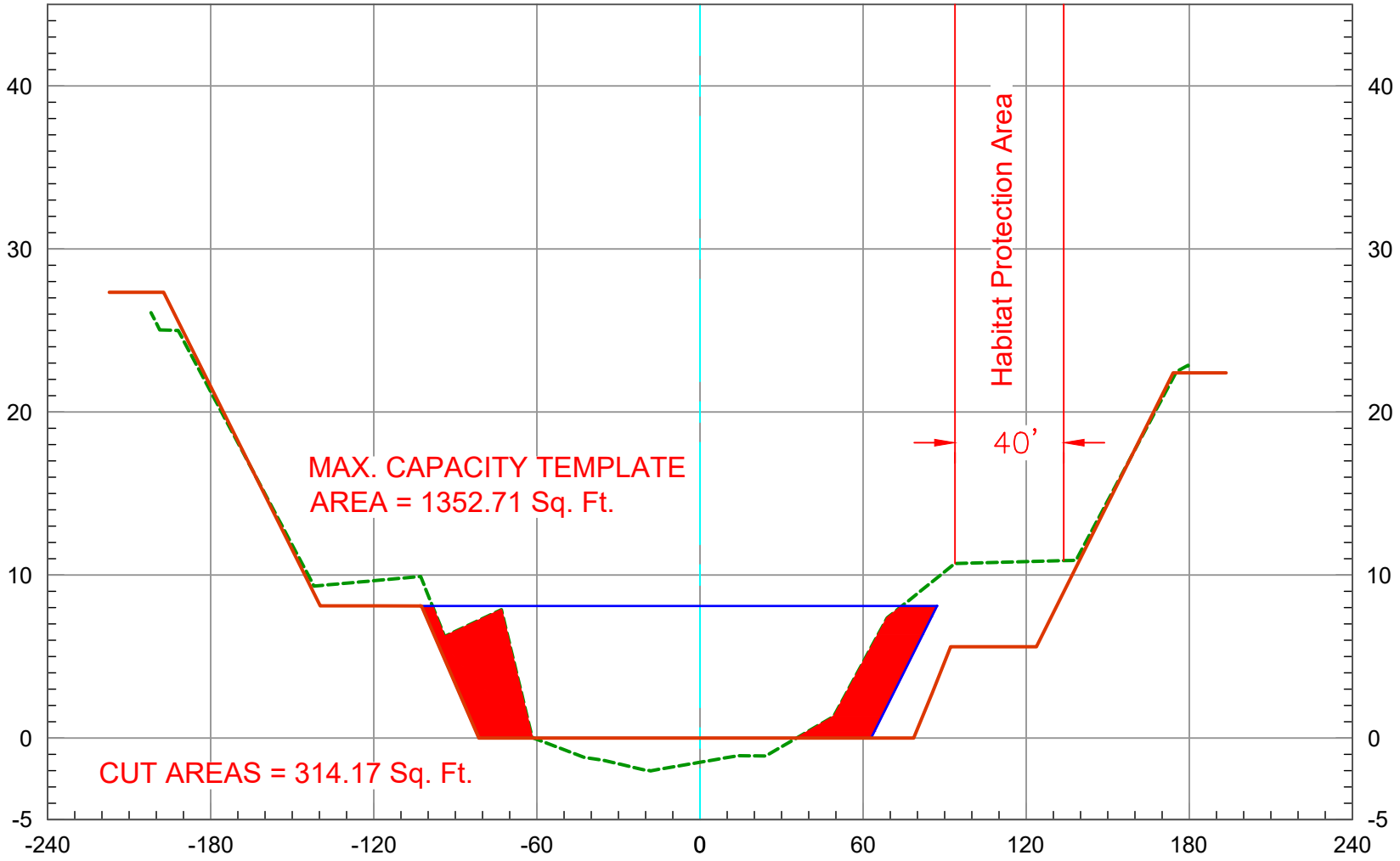
Vert. Scale: 1" = 10'
Horiz. Scale: 1" = 60'

U.S. Survey Foot

OC Public Works
OC Survey/Field Services
Boundary Analysis & Mapping

SAN DIEGO CREEK (F05) BASIN 1 - 2019 SCOURS

CL



47+00

2019 Ground
As-Built Plan
Maximum Capacity

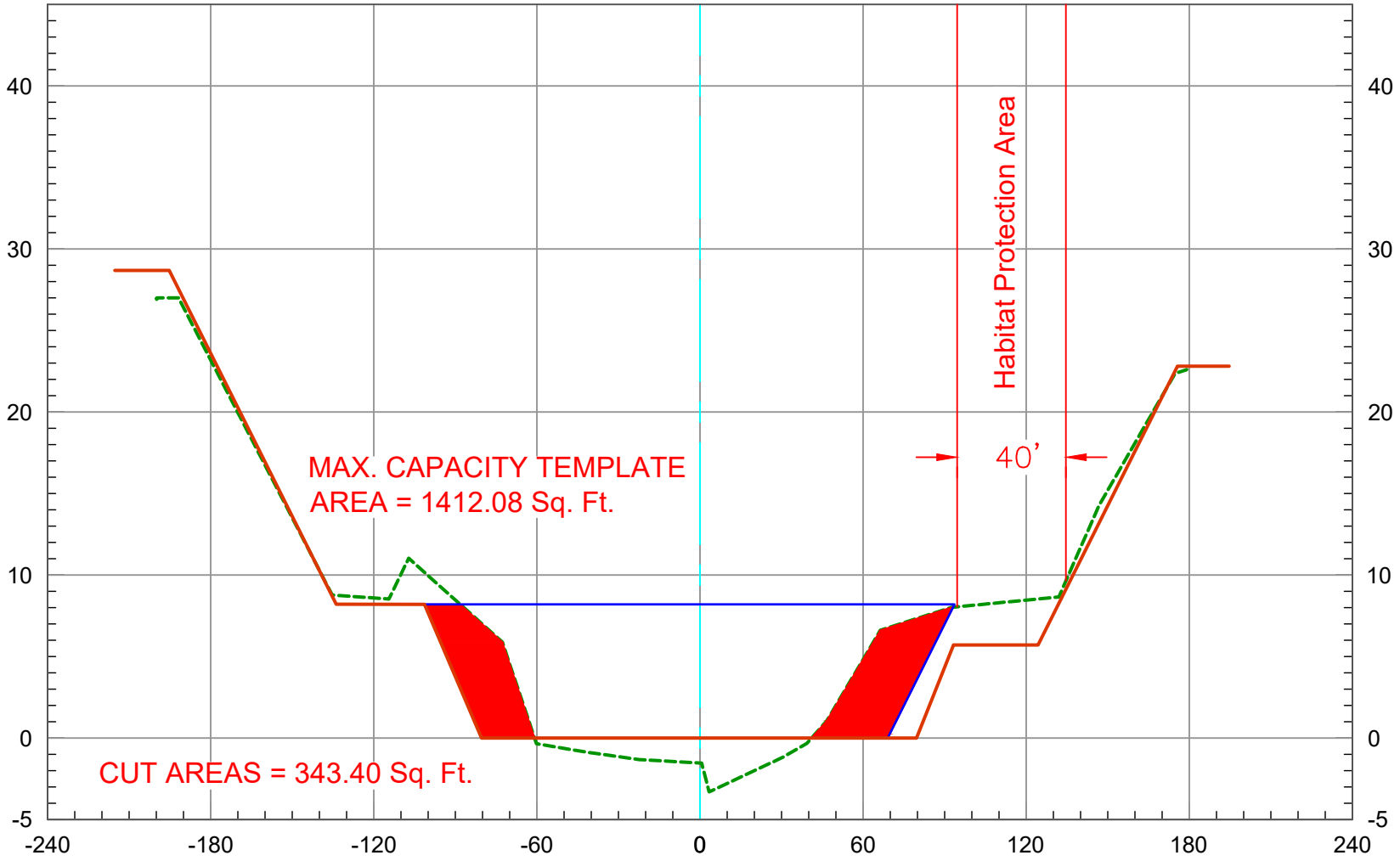
Vert. Scale: 1" = 10'
Horiz. Scale: 1" = 60'

U.S. Survey Foot

OC Public Works
OC Survey/Field Services
Boundary Analysis & Mapping

SAN DIEGO CREEK (F05) BASIN 1 - 2019 SCOURS

CL



48+00

2019 Ground
As-Built Plan
Maximum Capacity

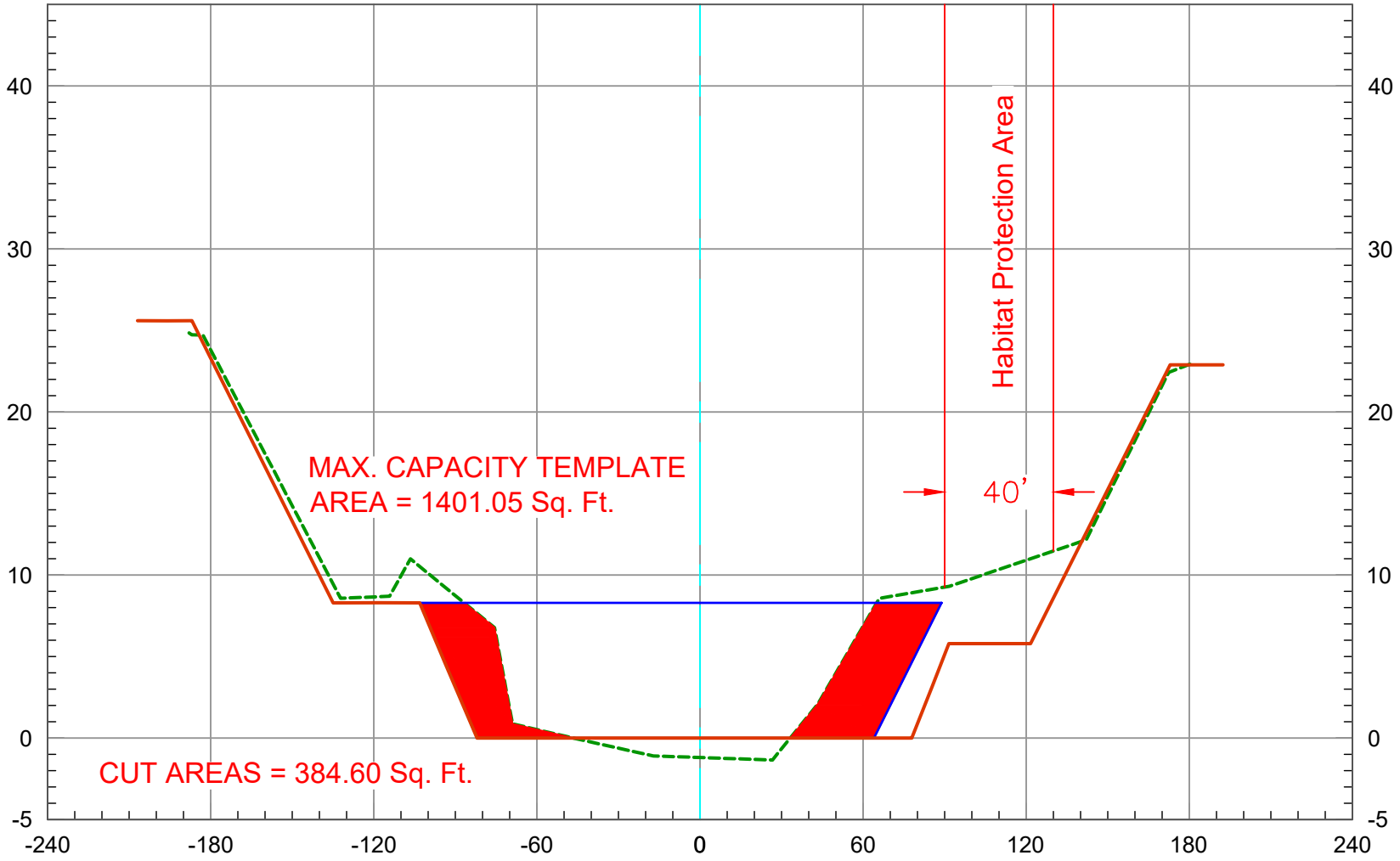
Vert. Scale: 1" = 10'
Horiz. Scale: 1" = 60'

U.S. Survey Foot

OC Public Works
OC Survey/Field Services
Boundary Analysis & Mapping

SAN DIEGO CREEK (F05) BASIN 1 - 2019 SCOURS

CL



49+00

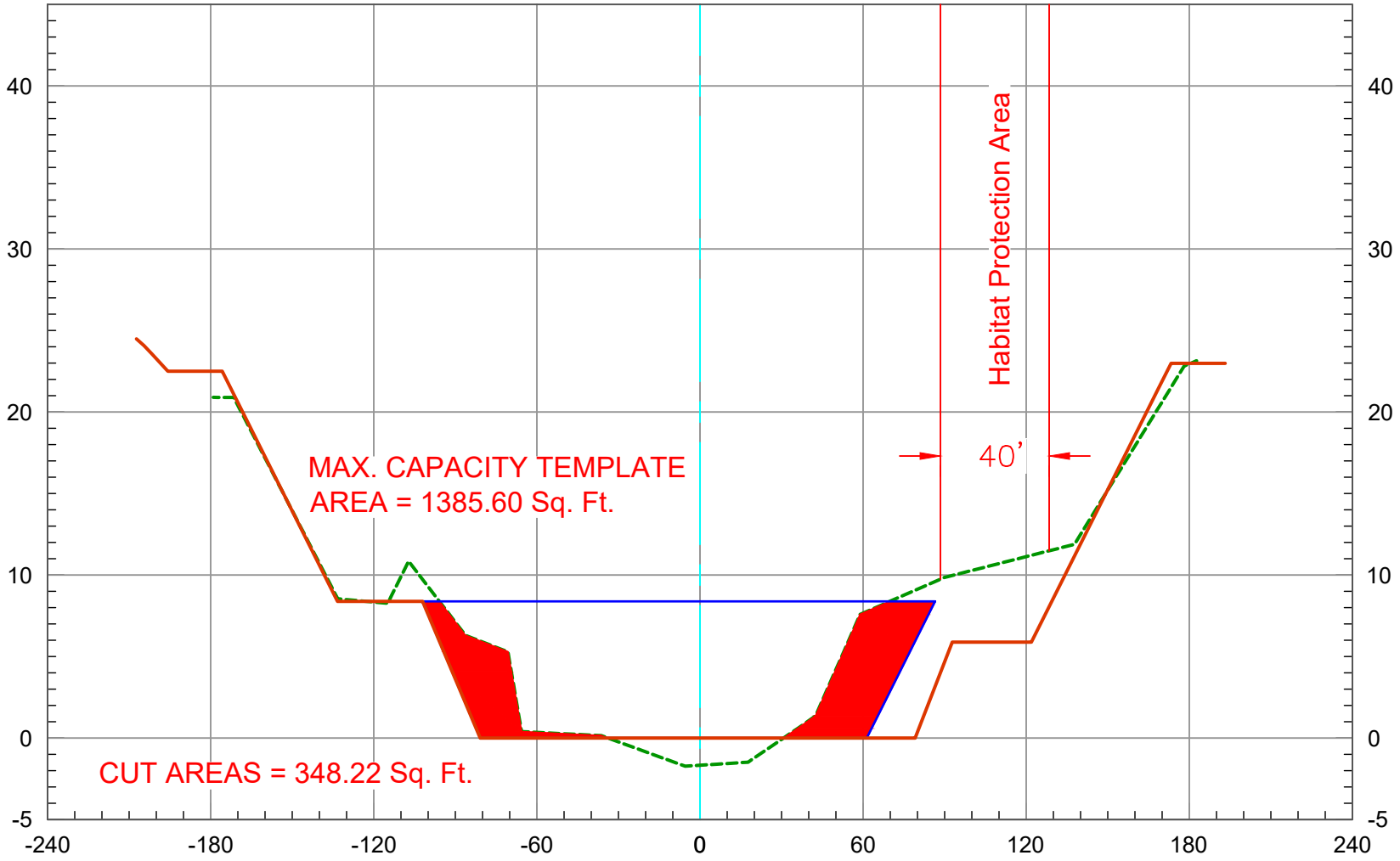
2019 Ground
As-Built Plan
Maximum Capacity

Vert. Scale: 1" = 10'
Horiz. Scale: 1" = 60'

U.S. Survey Foot

OC Public Works
OC Survey/Field Services
Boundary Analysis & Mapping

SAN DIEGO CREEK (F05) BASIN 1 - 2019 SCOURS
CL



2019 Ground
As-Built Plan
Maximum Capacity

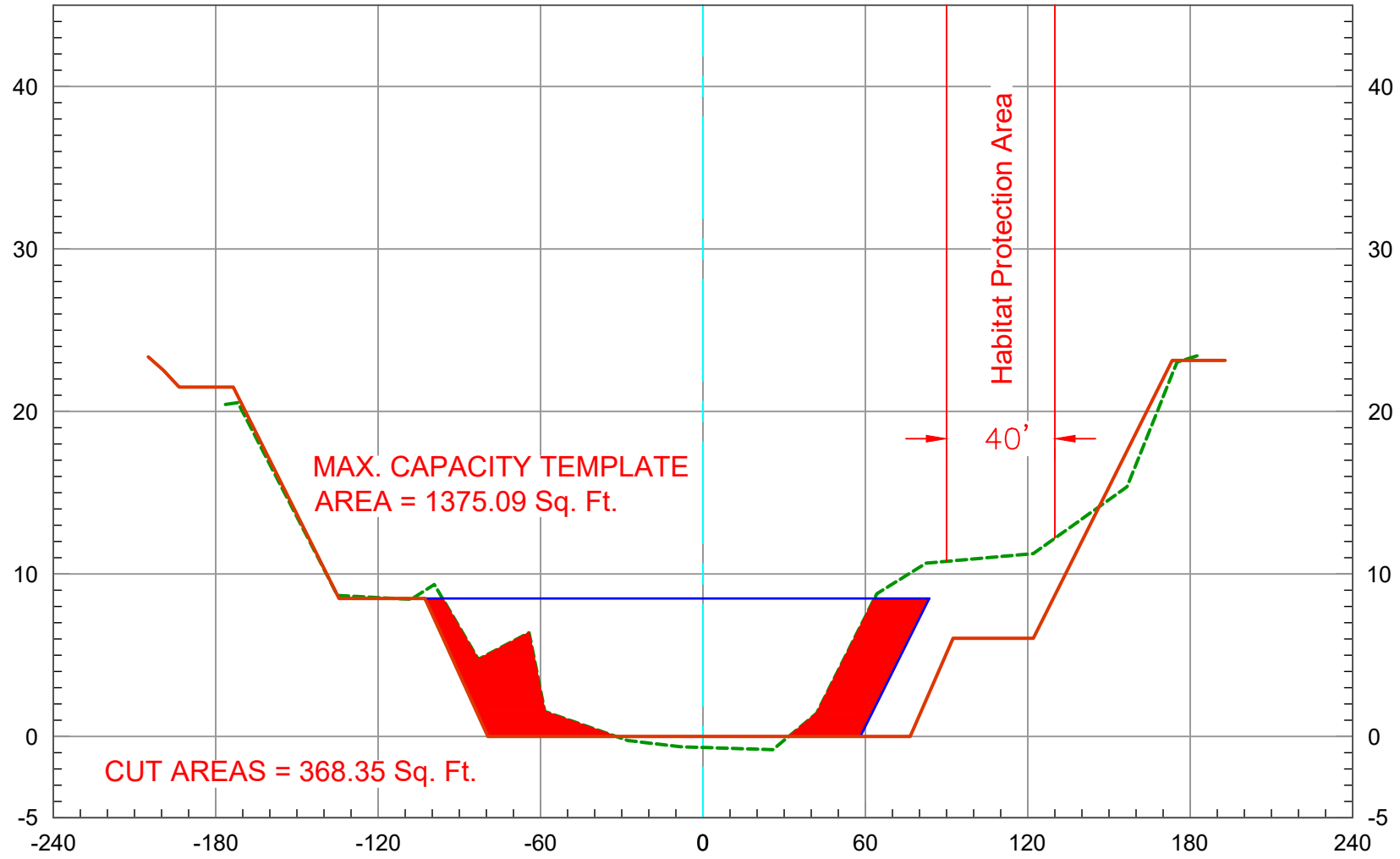
Vert. Scale: 1" = 10'
Horiz. Scale: 1" = 60'

U.S. Survey Foot

OC Public Works
OC Survey/Field Services
Boundary Analysis & Mapping

SAN DIEGO CREEK (F05) BASIN 1 - 2019 SCOURS

CL



51+00

2019 Ground
As-Built Plan
Maximum Capacity

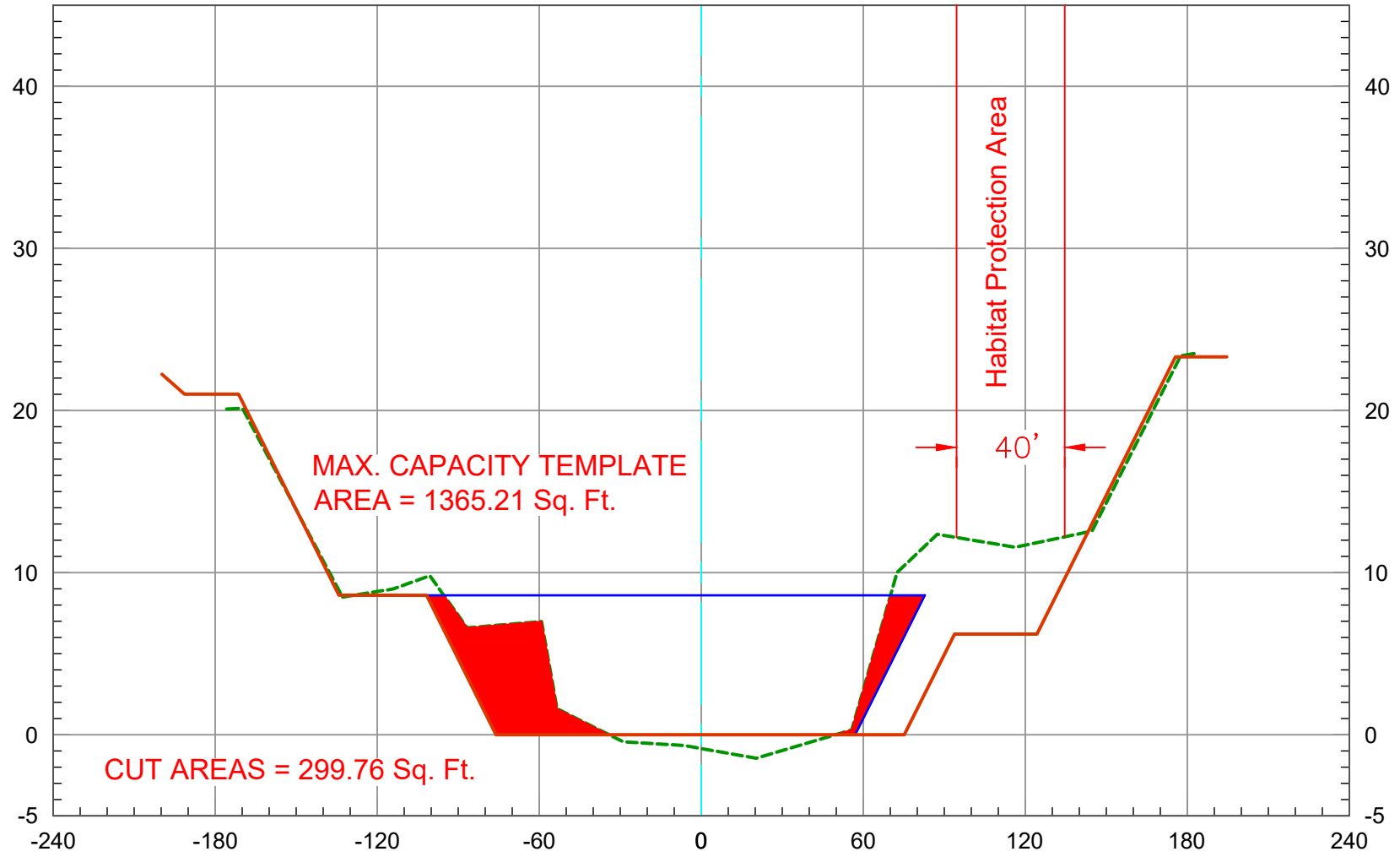
Vert. Scale: 1" = 10'
Horiz. Scale: 1" = 60'

U.S. Survey Foot

OC Public Works
OC Survey/Field Services
Boundary Analysis & Mapping

SAN DIEGO CREEK (F05) BASIN 1 - 2019 SCOURS

CL



52+00

2019 Ground
As-Built Plan
Maximum Capacity

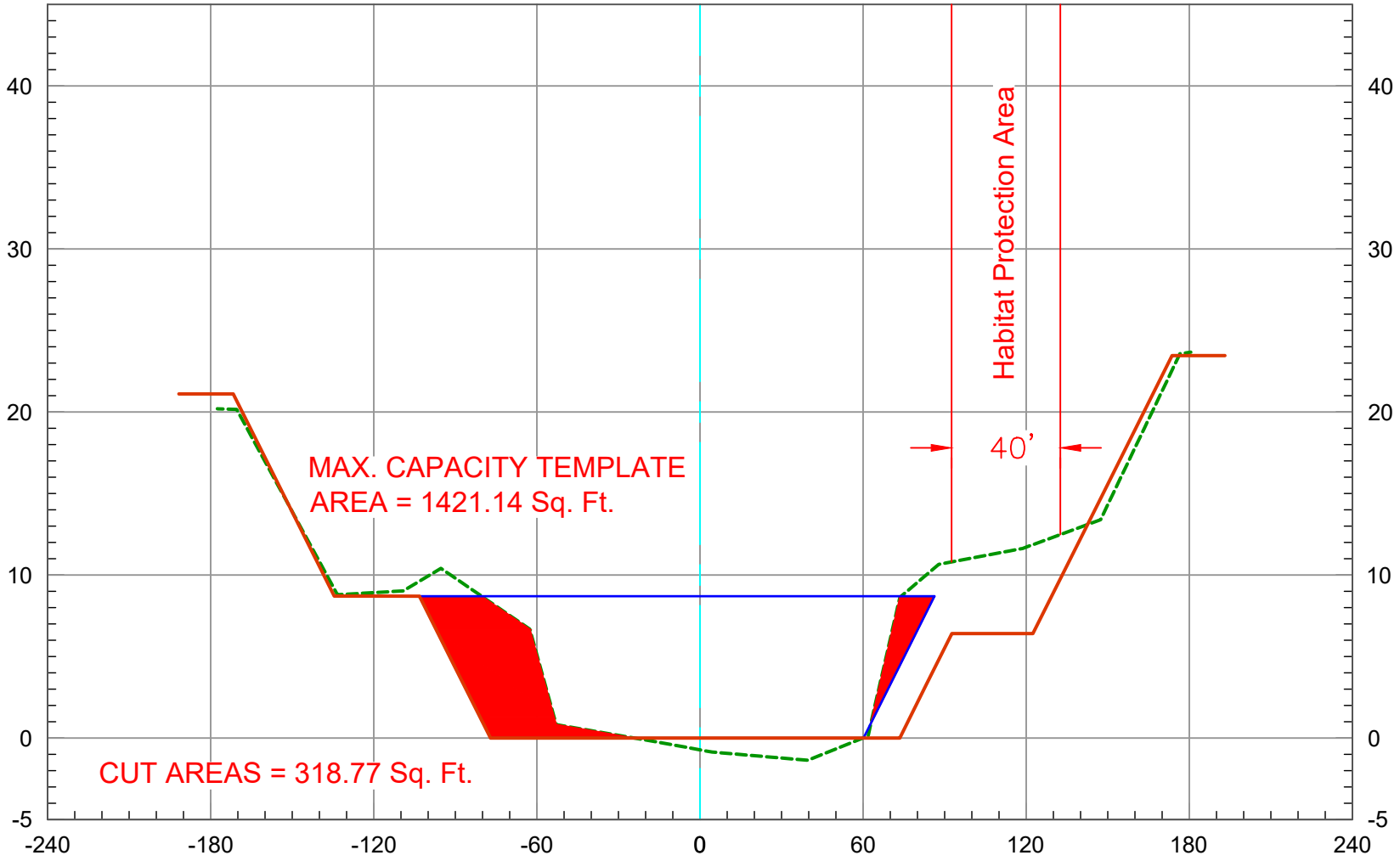
Vert. Scale: 1" = 10'
Horiz. Scale: 1" = 60'

U.S. Survey Foot

OC Public Works
OC Survey/Field Services
Boundary Analysis & Mapping

SAN DIEGO CREEK (F05) BASIN 1 - 2019 SCOURS

CL



53+00

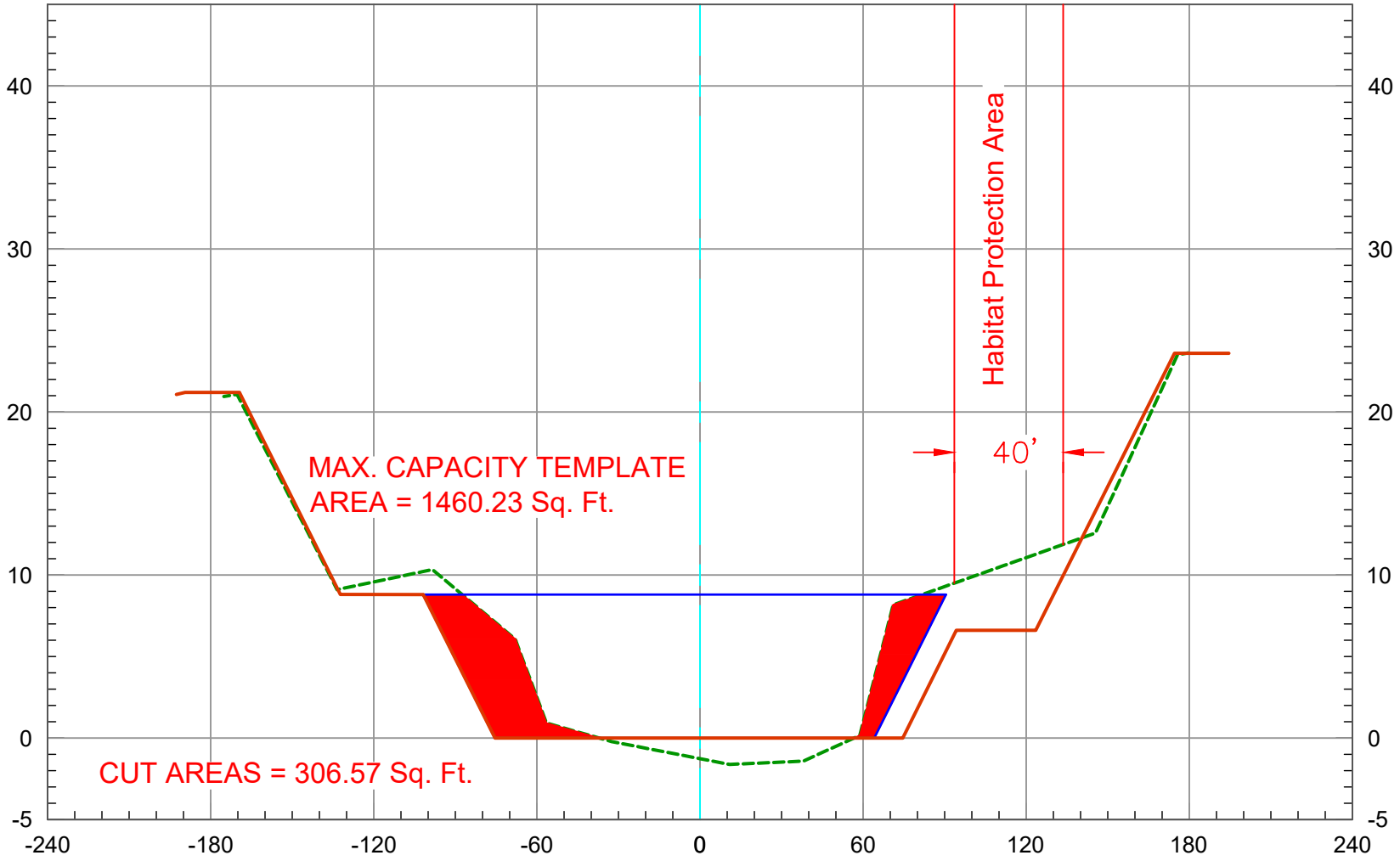
2019 Ground
As-Built Plan
Maximum Capacity

Vert. Scale: 1" = 10'
Horiz. Scale: 1" = 60'

U.S. Survey Foot

OC Public Works
OC Survey/Field Services
Boundary Analysis & Mapping

SAN DIEGO CREEK (F05) BASIN 1 - 2019 SCOURS
CL



54+00

2019 Ground
As-Built Plan
Maximum Capacity

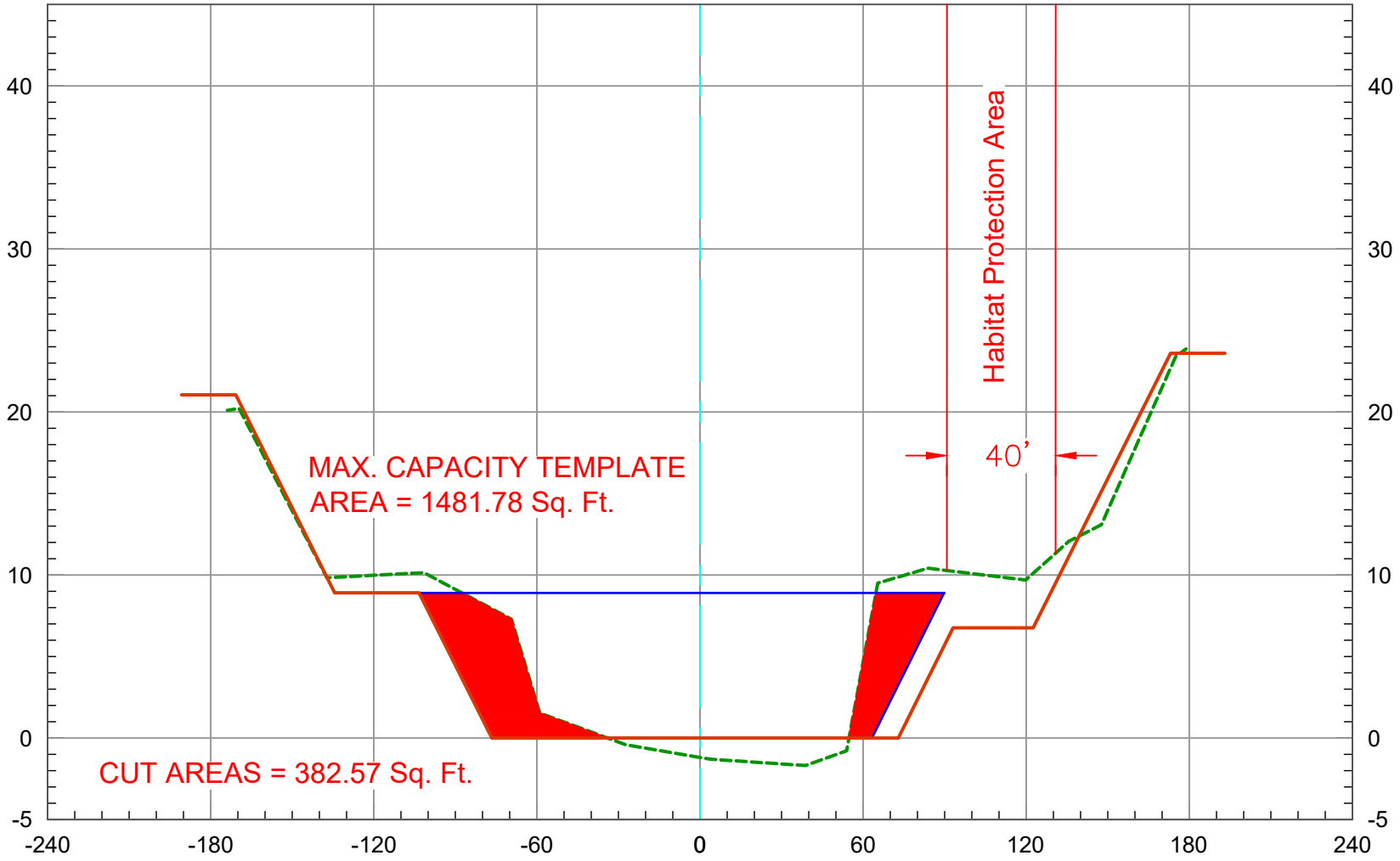
Vert. Scale: 1" = 10'
Horiz. Scale: 1" = 60'

U.S. Survey Foot

OC Public Works
OC Survey/Field Services
Boundary Analysis & Mapping

SAN DIEGO CREEK (F05) BASIN 1 - 2019 SCOURS

CL



55+00

2019 Ground
As-Built Plan
Maximum Capacity

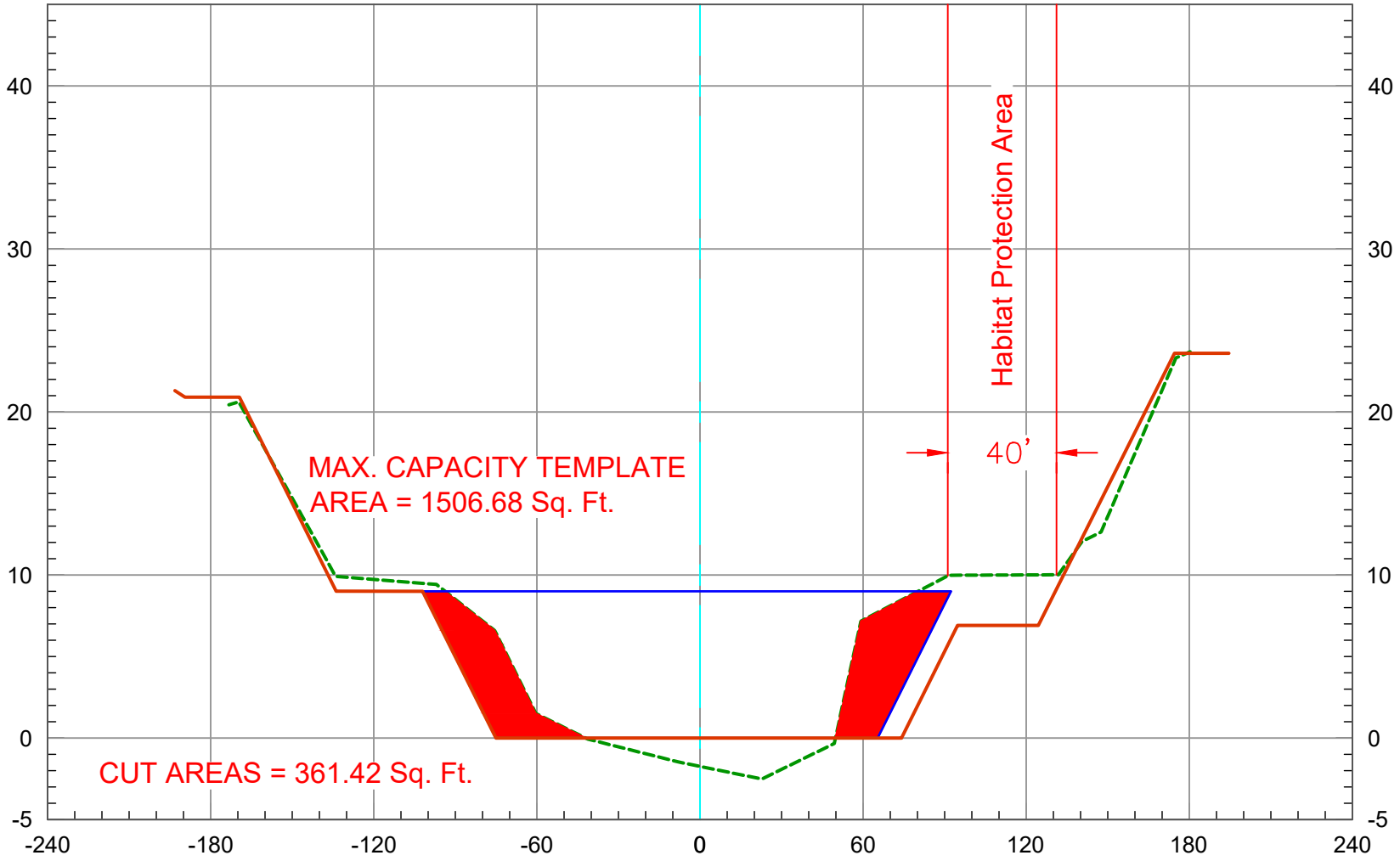
Vert. Scale: 1" = 10'
Horiz. Scale: 1" = 60'

U.S. Survey Foot

OC Public Works
OC Survey/Field Services
Boundary Analysis & Mapping

SAN DIEGO CREEK (F05) BASIN 1 - 2019 SCOURS

CL



56+00

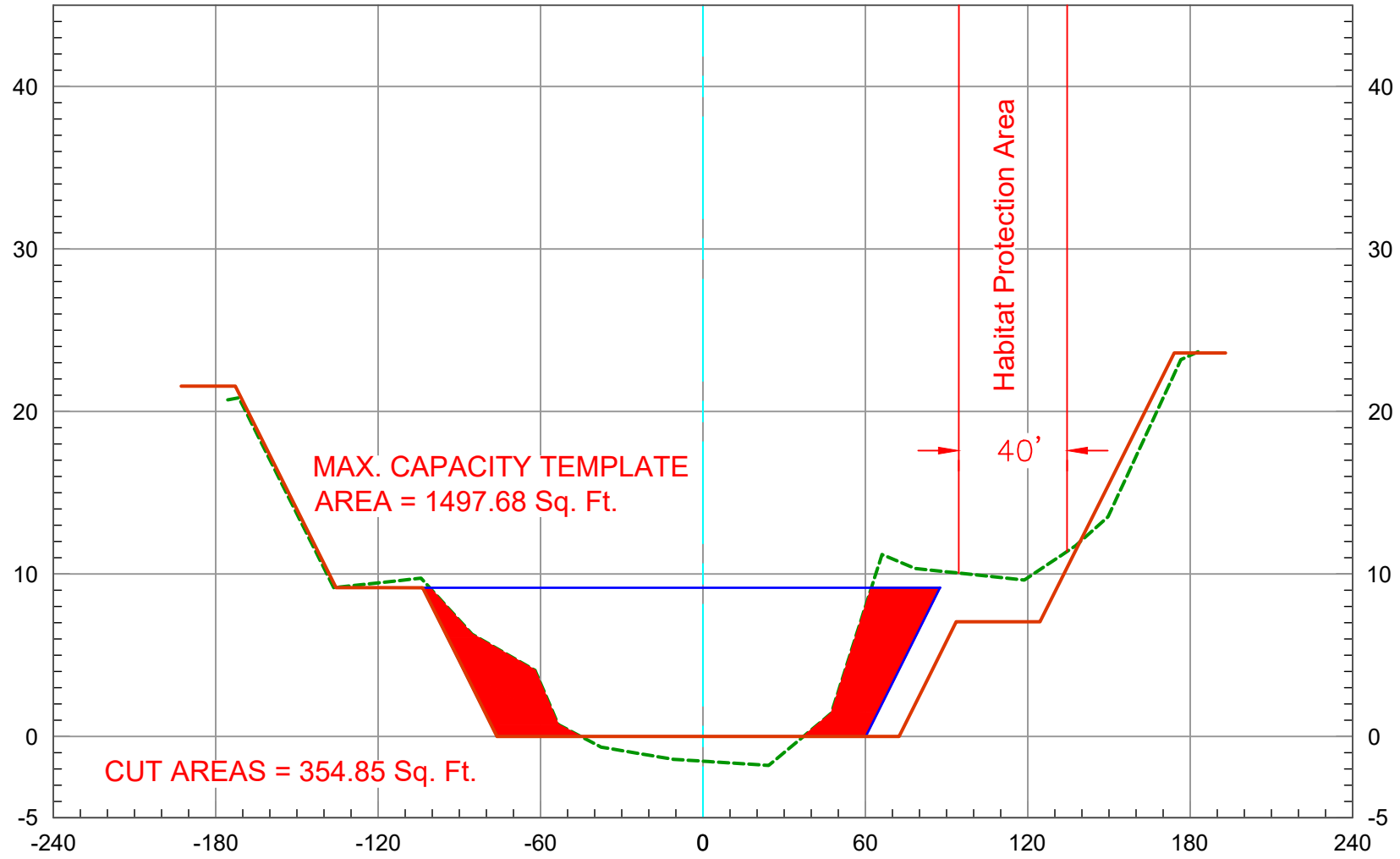
2019 Ground
As-Built Plan
Maximum Capacity

Vert. Scale: 1" = 10'
Horiz. Scale: 1" = 60'

U.S. Survey Foot

OC Public Works
OC Survey/Field Services
Boundary Analysis & Mapping

SAN DIEGO CREEK (F05) BASIN 1 - 2019 SCOURS
CL



57+00

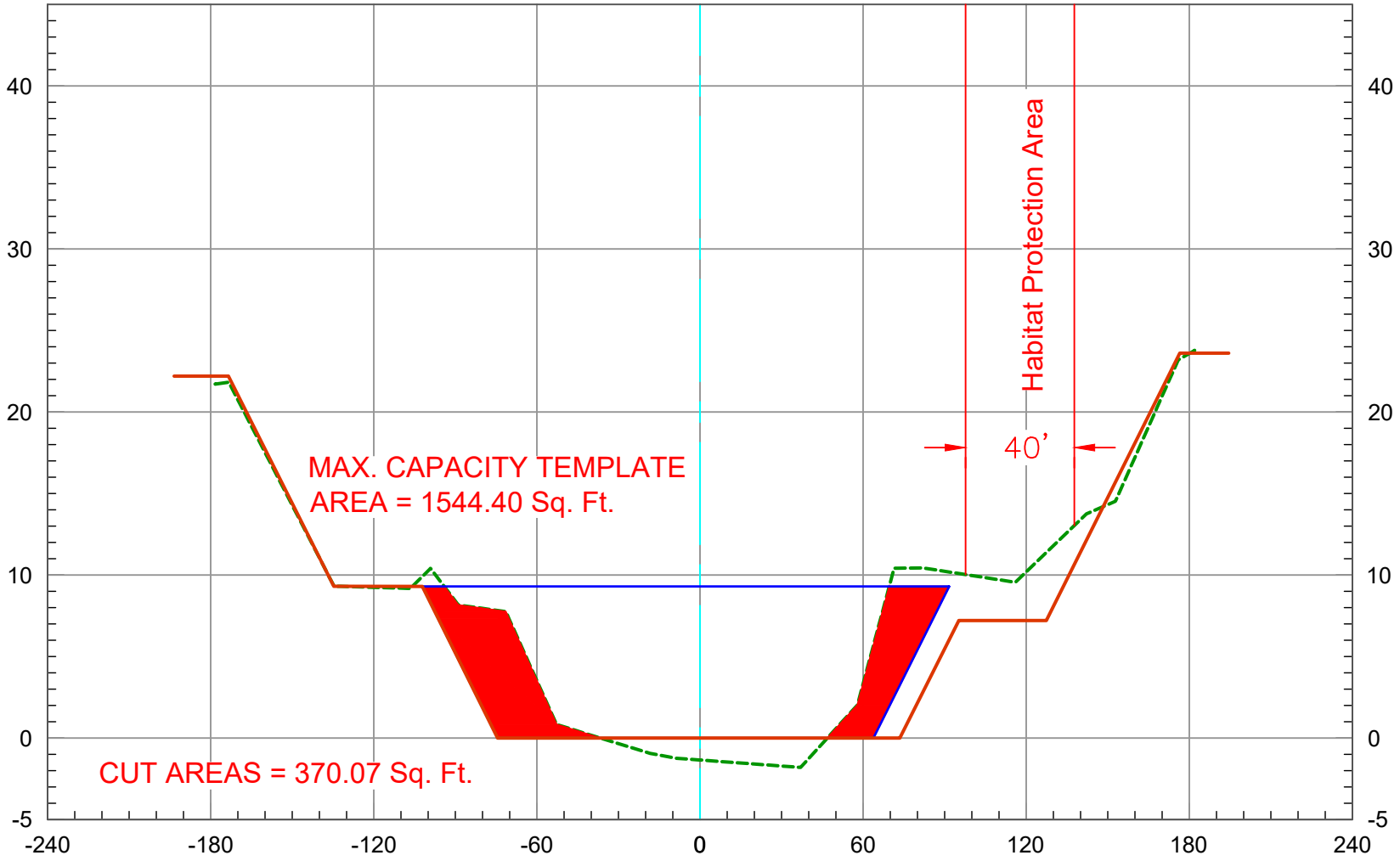
2019 Ground
As-Built Plan
Maximum Capacity

Vert. Scale: 1" = 10'
Horiz. Scale: 1" = 60'

U.S. Survey Foot

OC Public Works
OC Survey/Field Services
Boundary Analysis & Mapping

SAN DIEGO CREEK (F05) BASIN 1 - 2019 SCOURS
CL



58+00

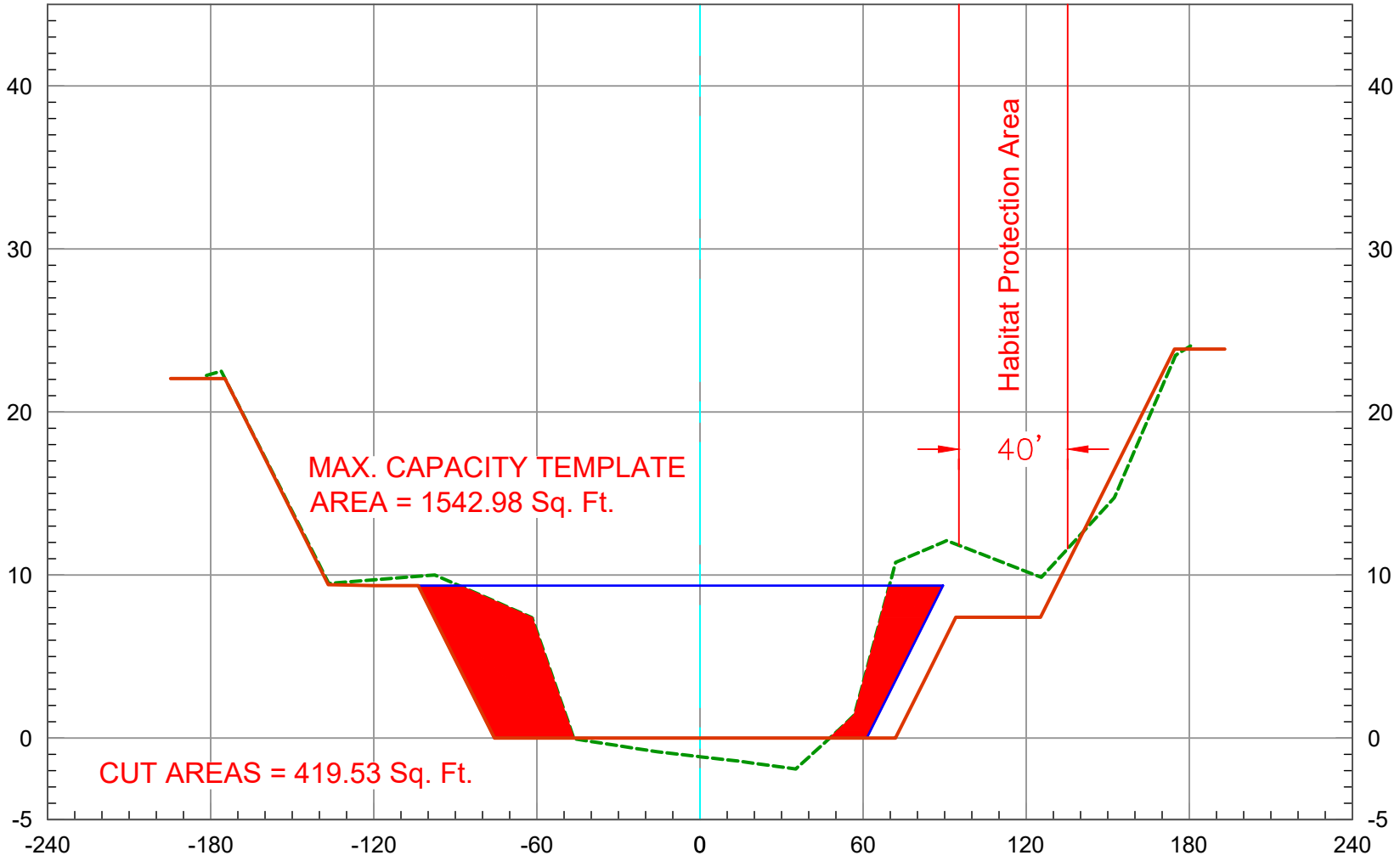
2019 Ground
As-Built Plan
Maximum Capacity

Vert. Scale: 1" = 10'
Horiz. Scale: 1" = 60'

U.S. Survey Foot

OC Public Works
OC Survey/Field Services
Boundary Analysis & Mapping

SAN DIEGO CREEK (F05) BASIN 1 - 2019 SCOURS
CL



59+00

2019 Ground
As-Built Plan
Maximum Capacity

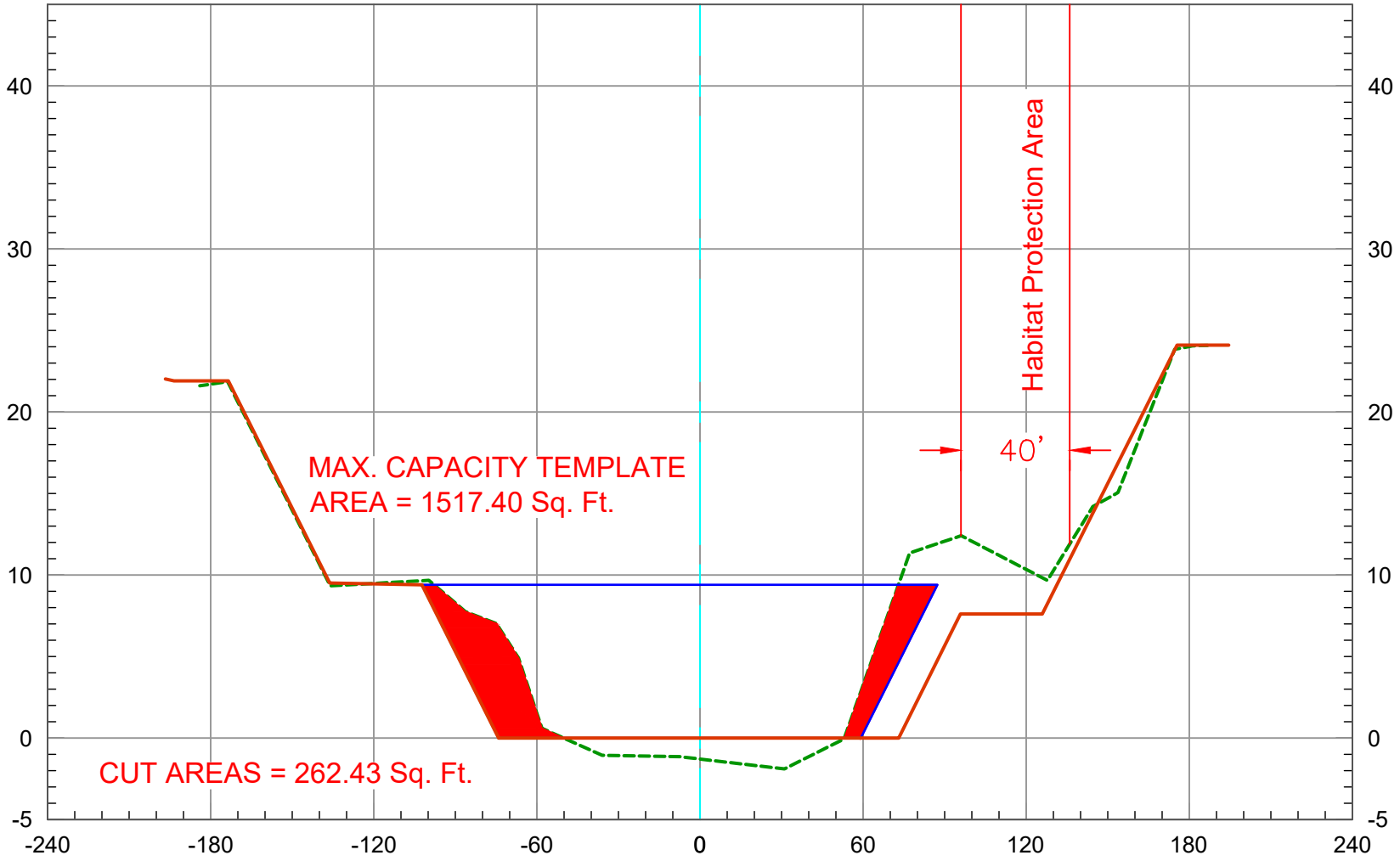
Vert. Scale: 1" = 10'
Horiz. Scale: 1" = 60'

U.S. Survey Foot

OC Public Works
OC Survey/Field Services
Boundary Analysis & Mapping

SAN DIEGO CREEK (F05) BASIN 1 - 2019 SCOURS

CL



60+00

2019 Ground
As-Built Plan
Maximum Capacity

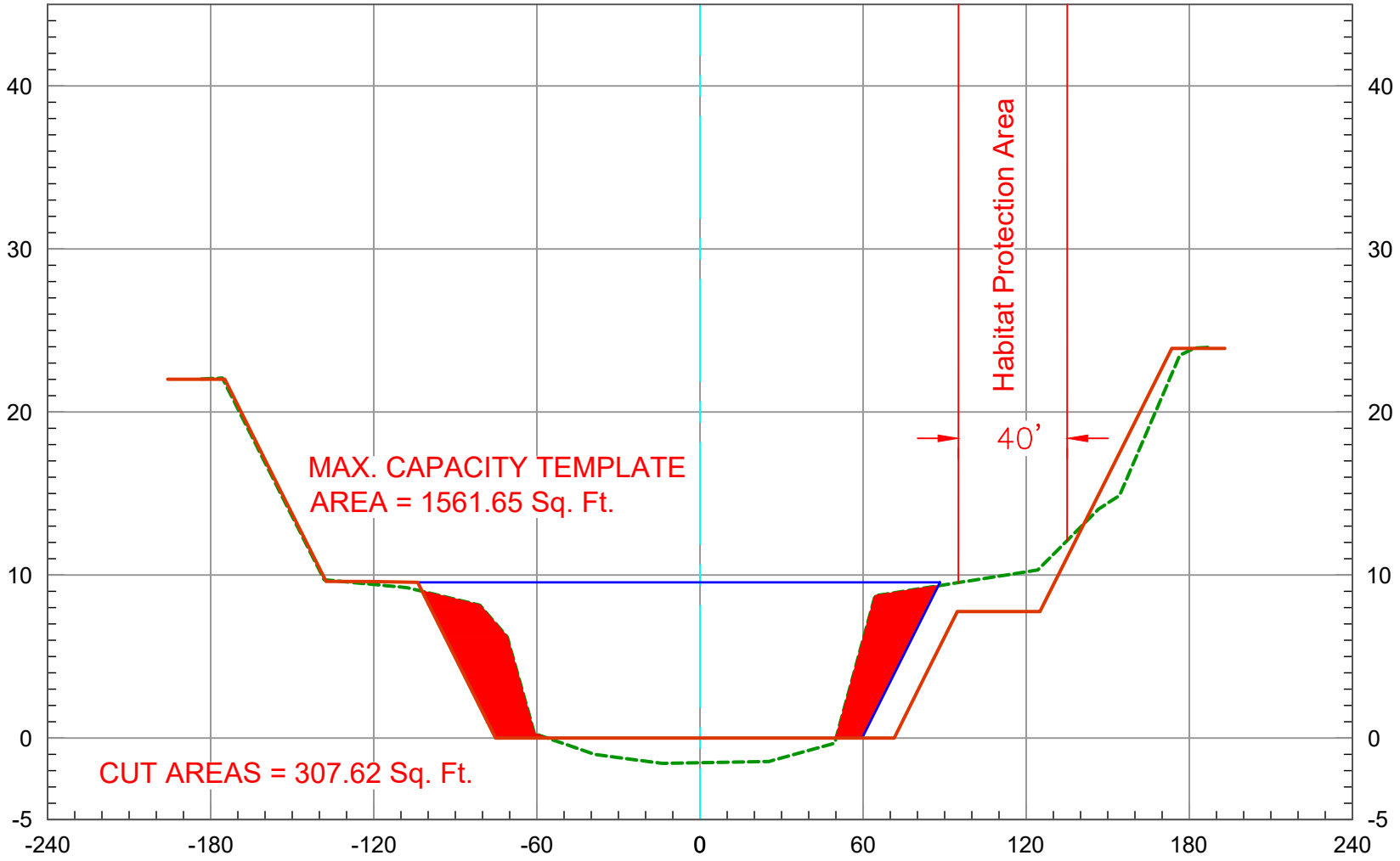
Vert. Scale: 1" = 10'
Horiz. Scale: 1" = 60'

U.S. Survey Foot

OC Public Works
OC Survey/Field Services
Boundary Analysis & Mapping

SAN DIEGO CREEK (F05) BASIN 1 - 2019 SCOURS

CL



61+00

2019 Ground
As-Built Plan
Maximum Capacity

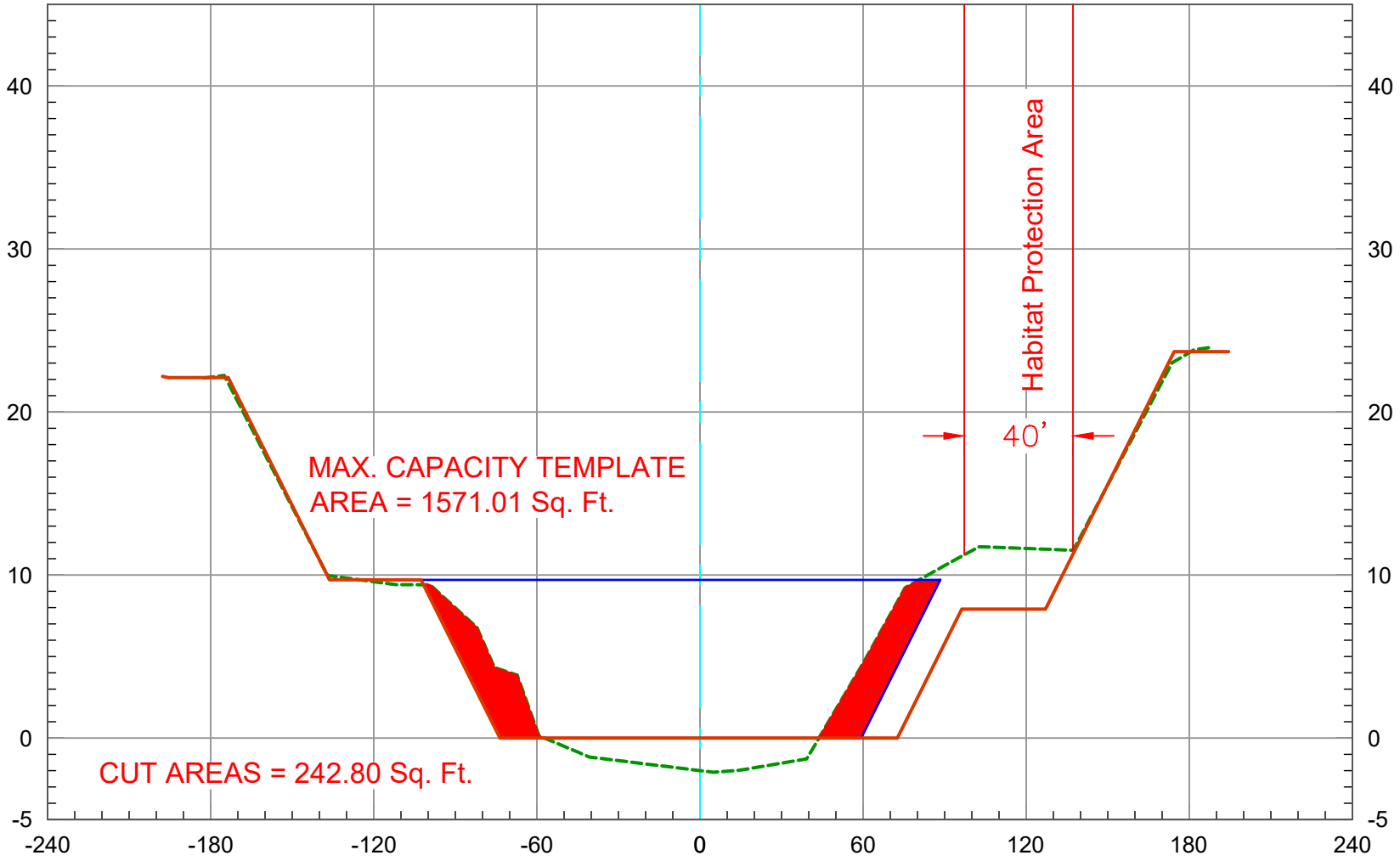
Vert. Scale: 1" = 10'
Horiz. Scale: 1" = 60'

U.S. Survey Foot

OC Public Works
OC Survey/Field Services
Boundary Analysis & Mapping

SAN DIEGO CREEK (F05) BASIN 1 - 2019 SCOURS

CL



62+00

2019 Ground
As-Built Plan
Maximum Capacity

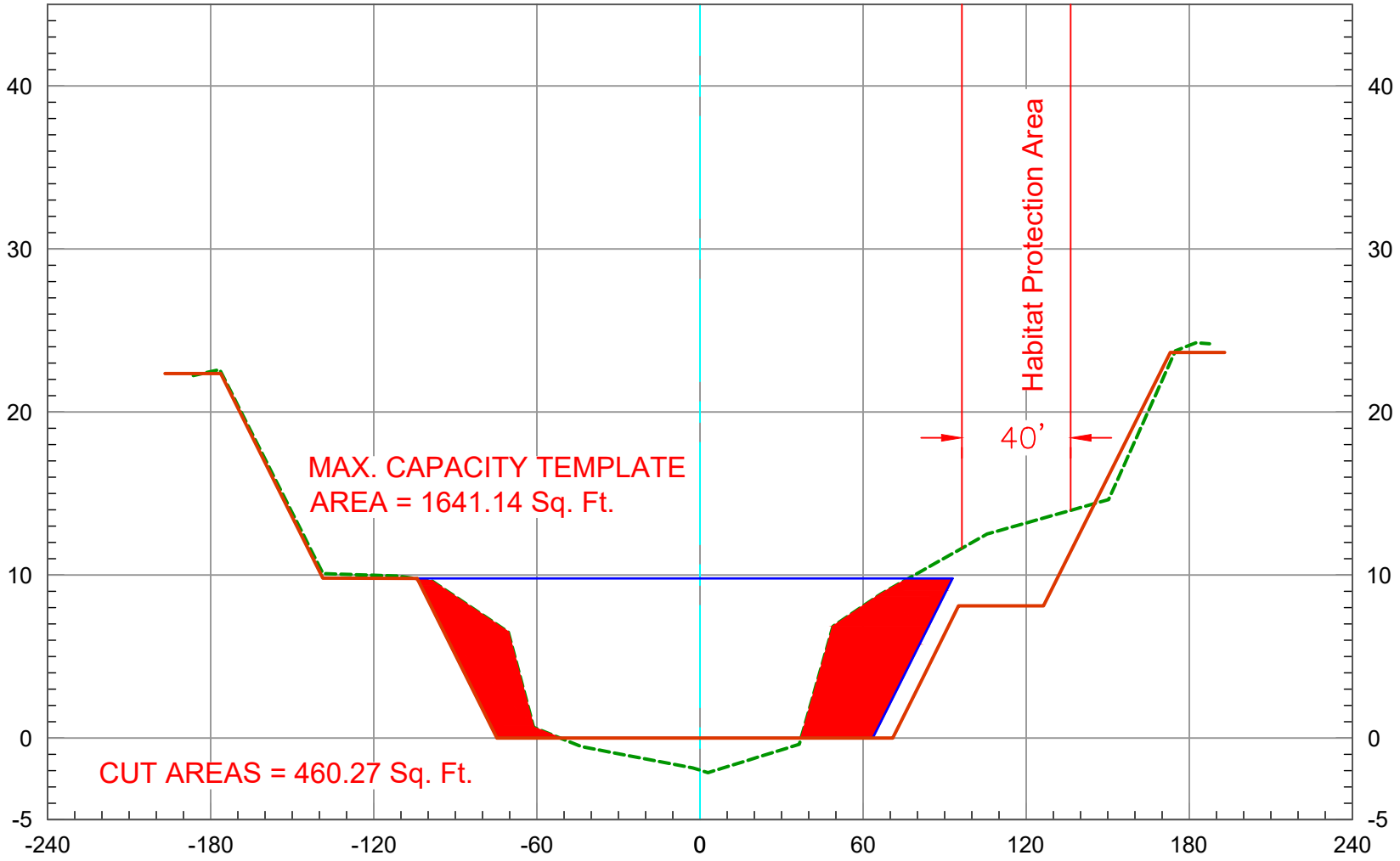
Vert. Scale: 1" = 10'
Horiz. Scale: 1" = 60'

U.S. Survey Foot

OC Public Works
OC Survey/Field Services
Boundary Analysis & Mapping

SAN DIEGO CREEK (F05) BASIN 1 - 2019 SCOURS

CL



63+00

2019 Ground
As-Built Plan
Maximum Capacity

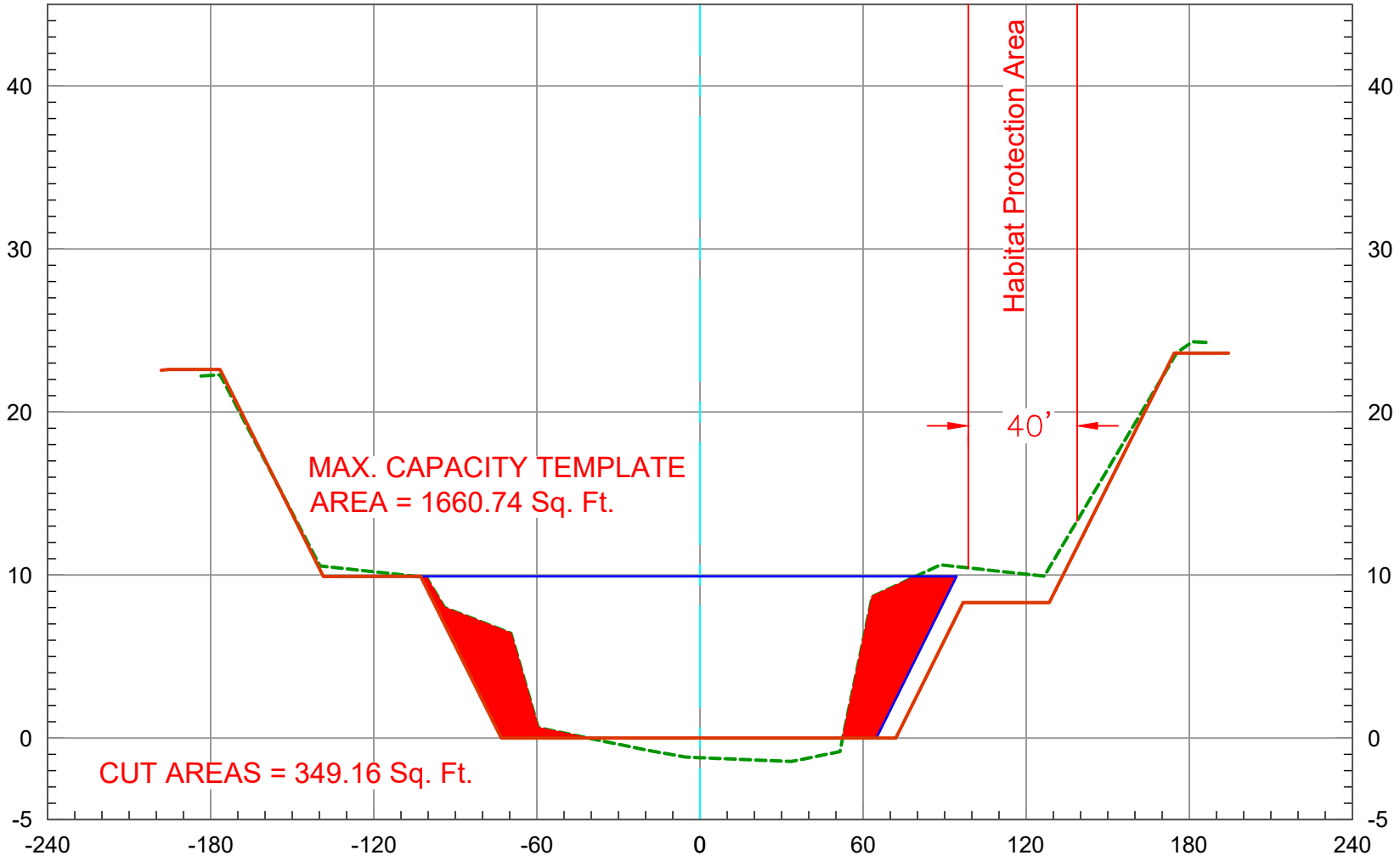
Vert. Scale: 1" = 10'
Horiz. Scale: 1" = 60'

U.S. Survey Foot

OC Public Works
OC Survey/Field Services
Boundary Analysis & Mapping

SAN DIEGO CREEK (F05) BASIN 1 - 2019 SCOURS

CL



64+00

2019 Ground
As-Built Plan
Maximum Capacity

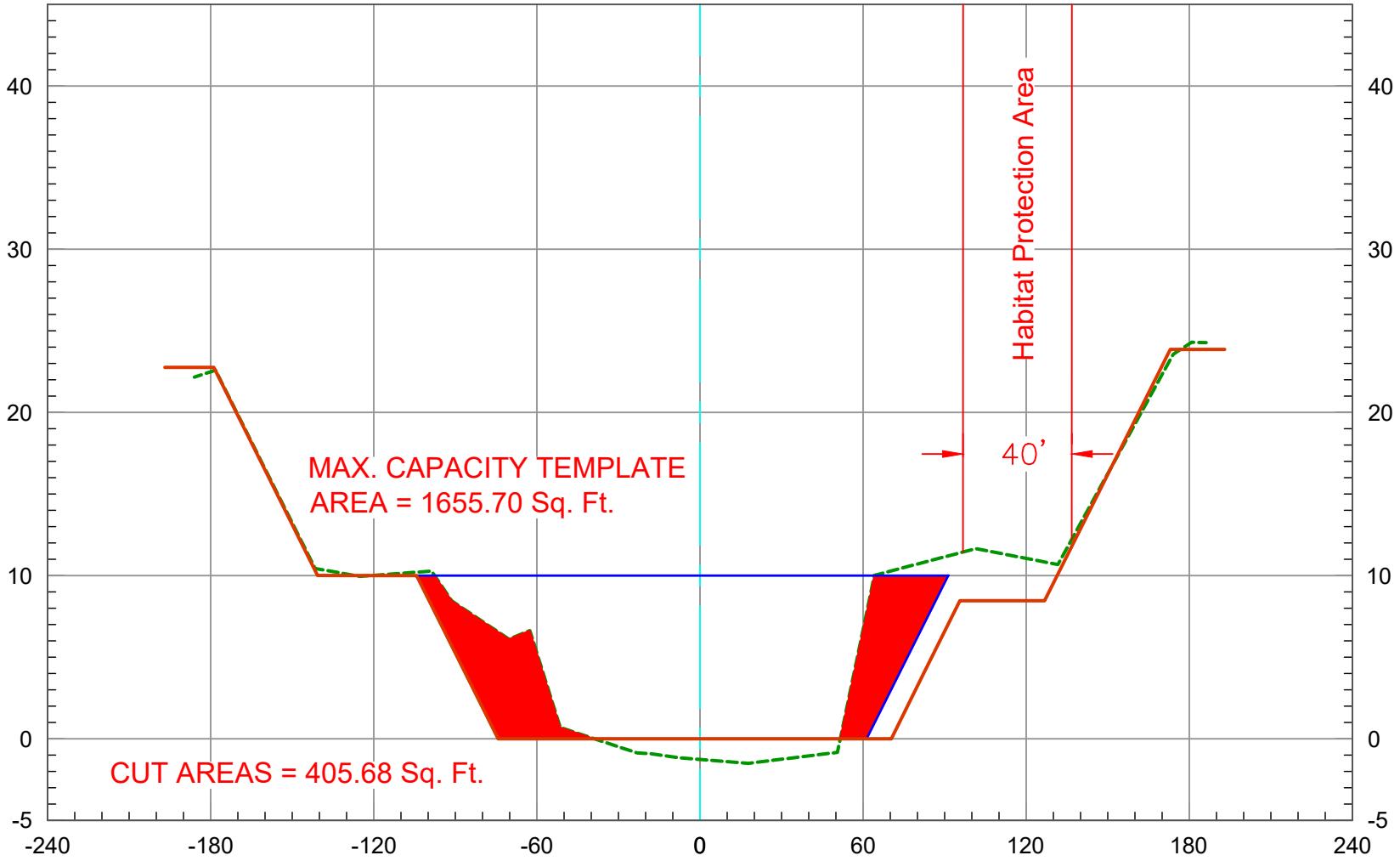
Vert. Scale: 1" = 10'
Horiz. Scale: 1" = 60'

U.S. Survey Foot

OC Public Works
OC Survey/Field Services
Boundary Analysis & Mapping

SAN DIEGO CREEK (F05) BASIN 1 - 2019 SCOURS

CL



65+00

2019 Ground
As-Built Plan
Maximum Capacity

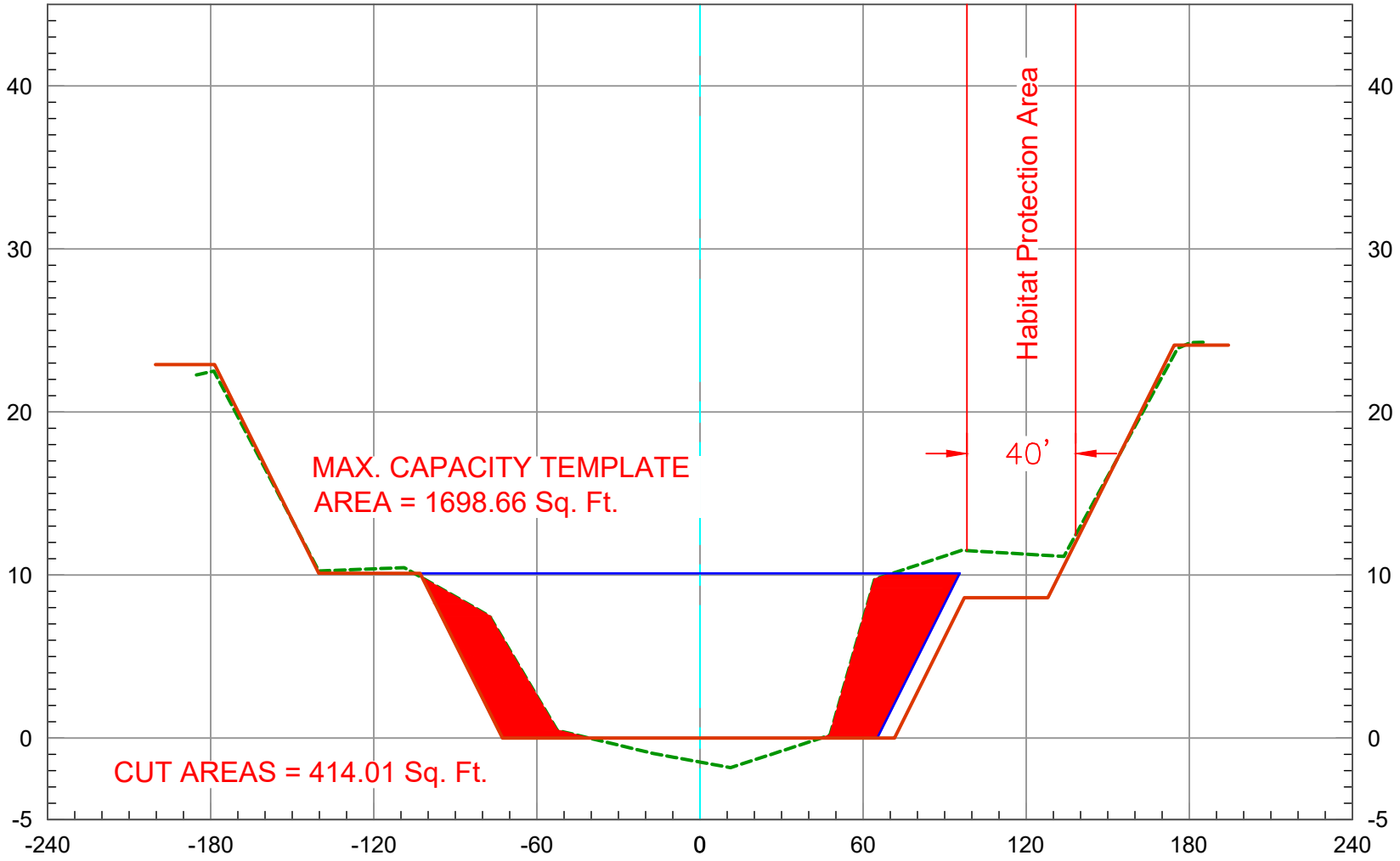
Vert. Scale: 1" = 10'
Horiz. Scale: 1" = 60'

U.S. Survey Foot

OC Public Works
OC Survey/Field Services
Boundary Analysis & Mapping

SAN DIEGO CREEK (F05) BASIN 1 - 2019 SCOURS

CL



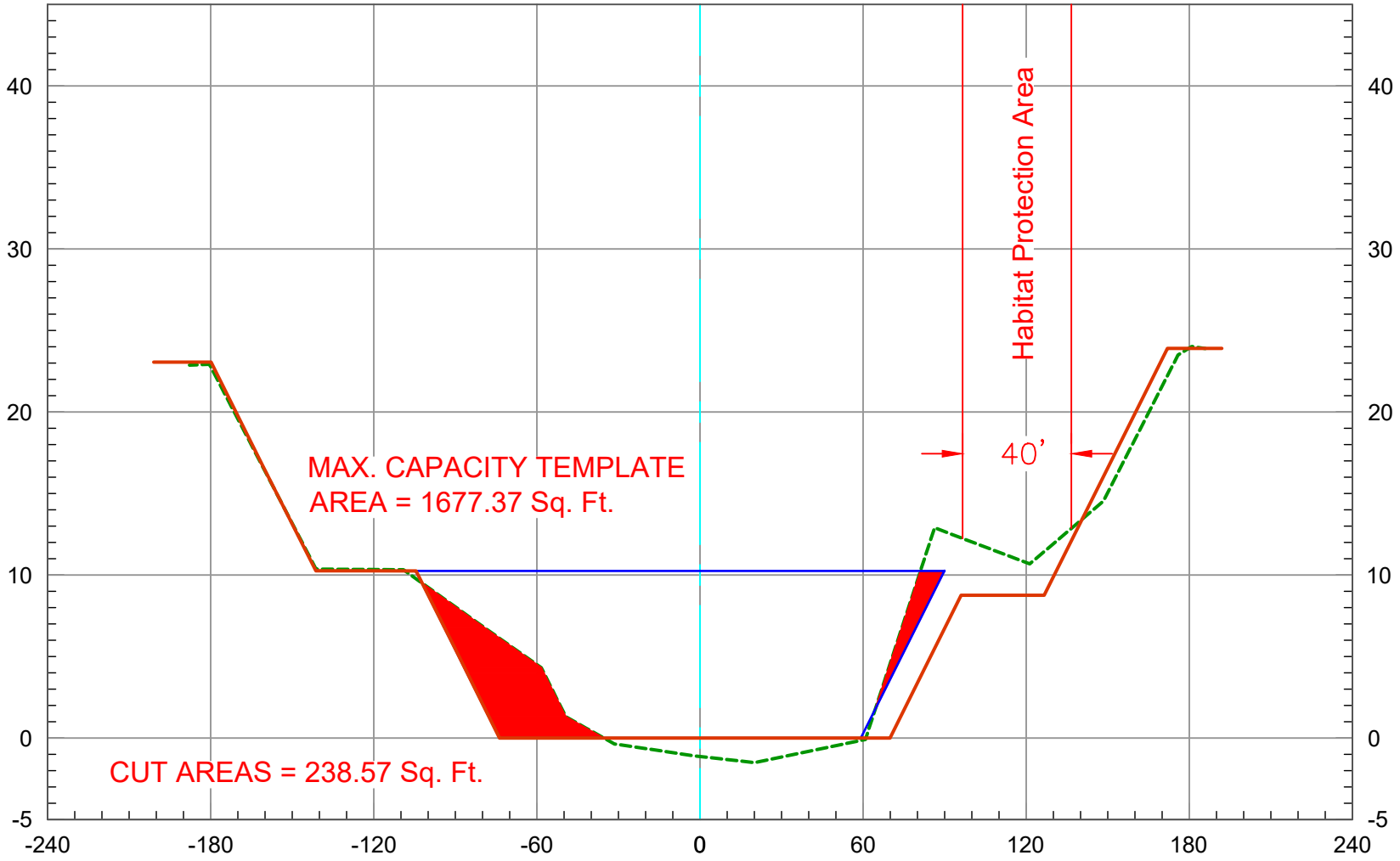
2019 Ground
As-Built Plan
Maximum Capacity

Vert. Scale: 1" = 10'
Horiz. Scale: 1" = 60'

U.S. Survey Foot

OC Public Works
OC Survey/Field Services
Boundary Analysis & Mapping

SAN DIEGO CREEK (F05) BASIN 1 - 2019 SCOURS
CL



67+00

2019 Ground
As-Built Plan
Maximum Capacity

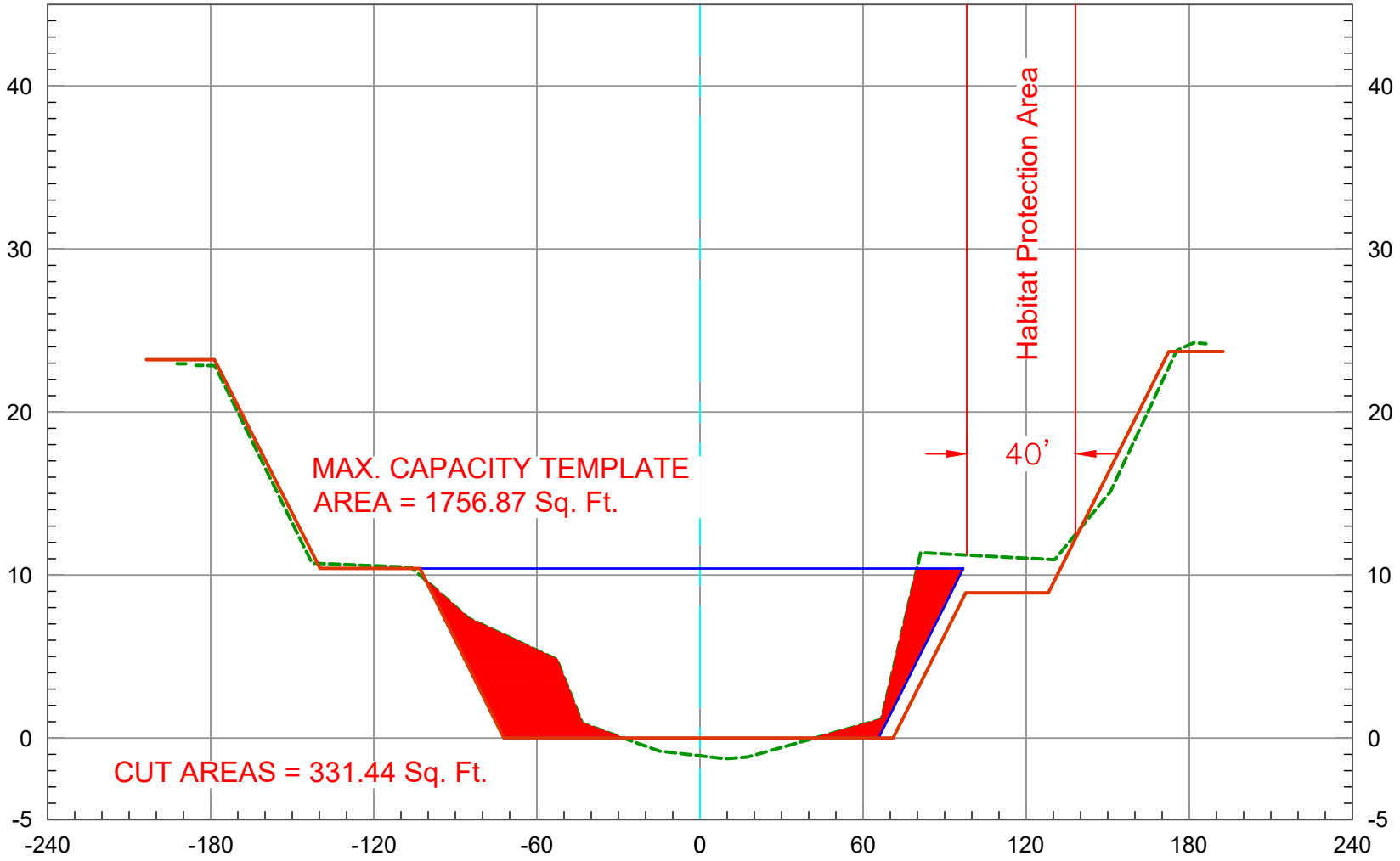
Vert. Scale: 1" = 10'
Horiz. Scale: 1" = 60'

U.S. Survey Foot

OC Public Works
OC Survey/Field Services
Boundary Analysis & Mapping

SAN DIEGO CREEK (F05) BASIN 1 - 2019 SCOURS

CL



68+00

2019 Ground
As-Built Plan
Maximum Capacity

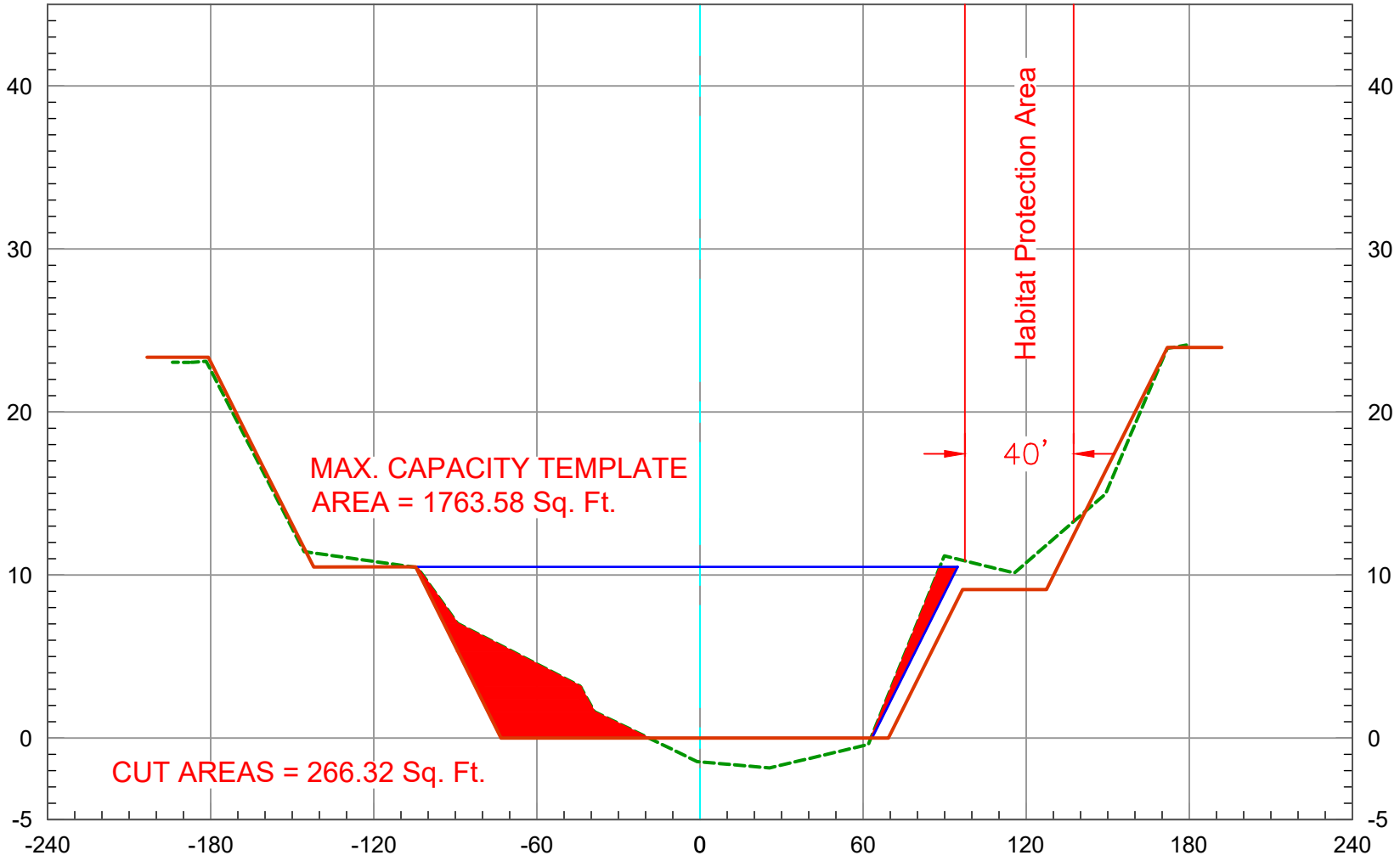
Vert. Scale: 1" = 10'
Horiz. Scale: 1" = 60'

U.S. Survey Foot

OC Public Works
OC Survey/Field Services
Boundary Analysis & Mapping

SAN DIEGO CREEK (F05) BASIN 1 - 2019 SCOURS

CL



69+00

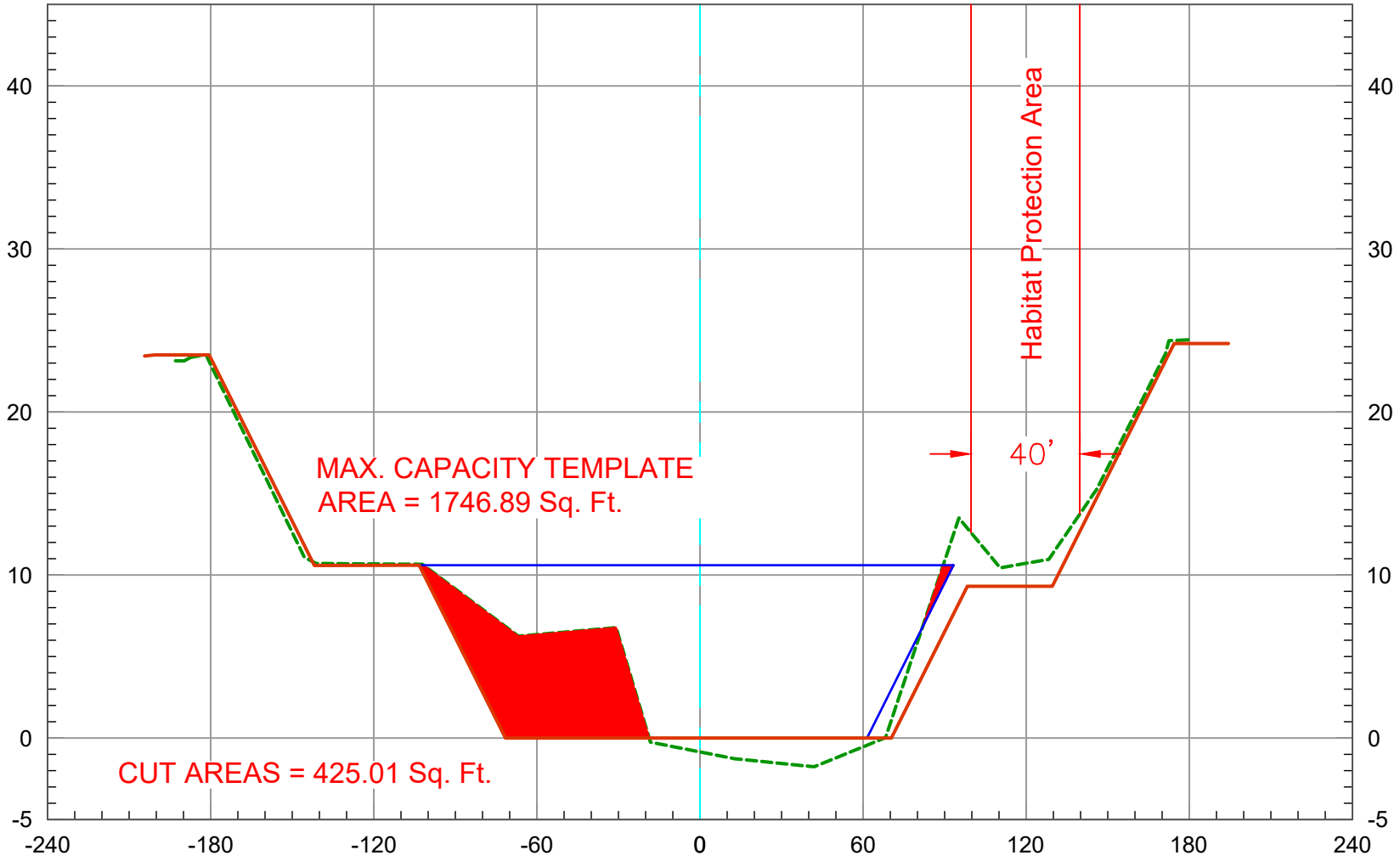
2019 Ground
As-Built Plan
Maximum Capacity

Vert. Scale: 1" = 10'
Horiz. Scale: 1" = 60'

U.S. Survey Foot

OC Public Works
OC Survey/Field Services
Boundary Analysis & Mapping

SAN DIEGO CREEK (F05) BASIN 1 - 2019 SCOURS
CL



2019 Ground
As-Built Plan
Maximum Capacity

Vert. Scale: 1" = 10'
Horiz. Scale: 1" = 60'

U.S. Survey Foot

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SAN DIEGO CREEK (F05) BASIN 1 - 2019 SCOURS

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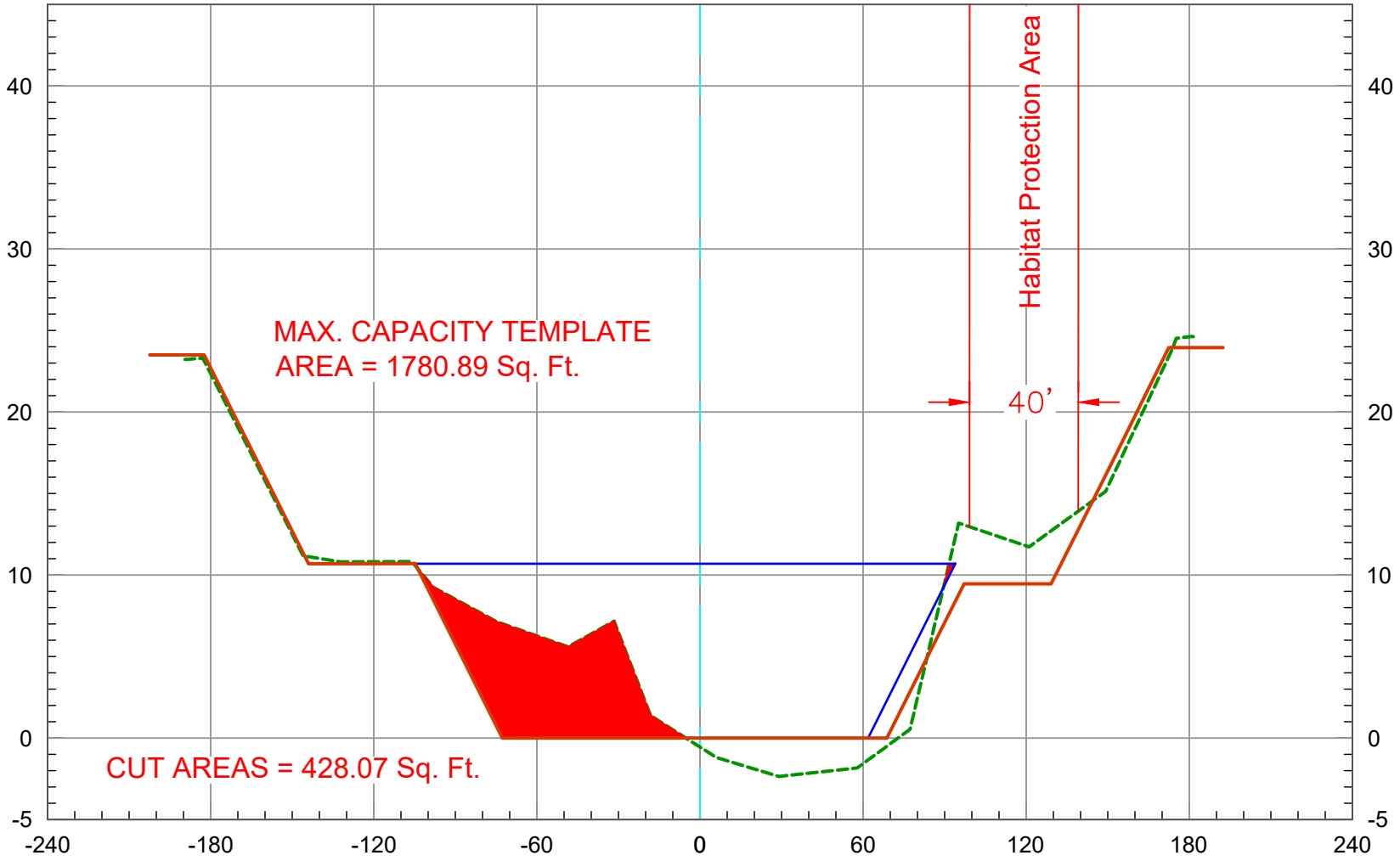

2019 Ground
As-Built Plan
Maximum Capacity

Vert. Scale: 1" = 10'
Horiz. Scale: 1" = 60'

U.S. Survey Foot

OC Public Works
OC Survey/Field Services
Boundary Analysis & Mapping

SAN DIEGO CREEK (F05) BASIN 1 - 2019 SCOURS

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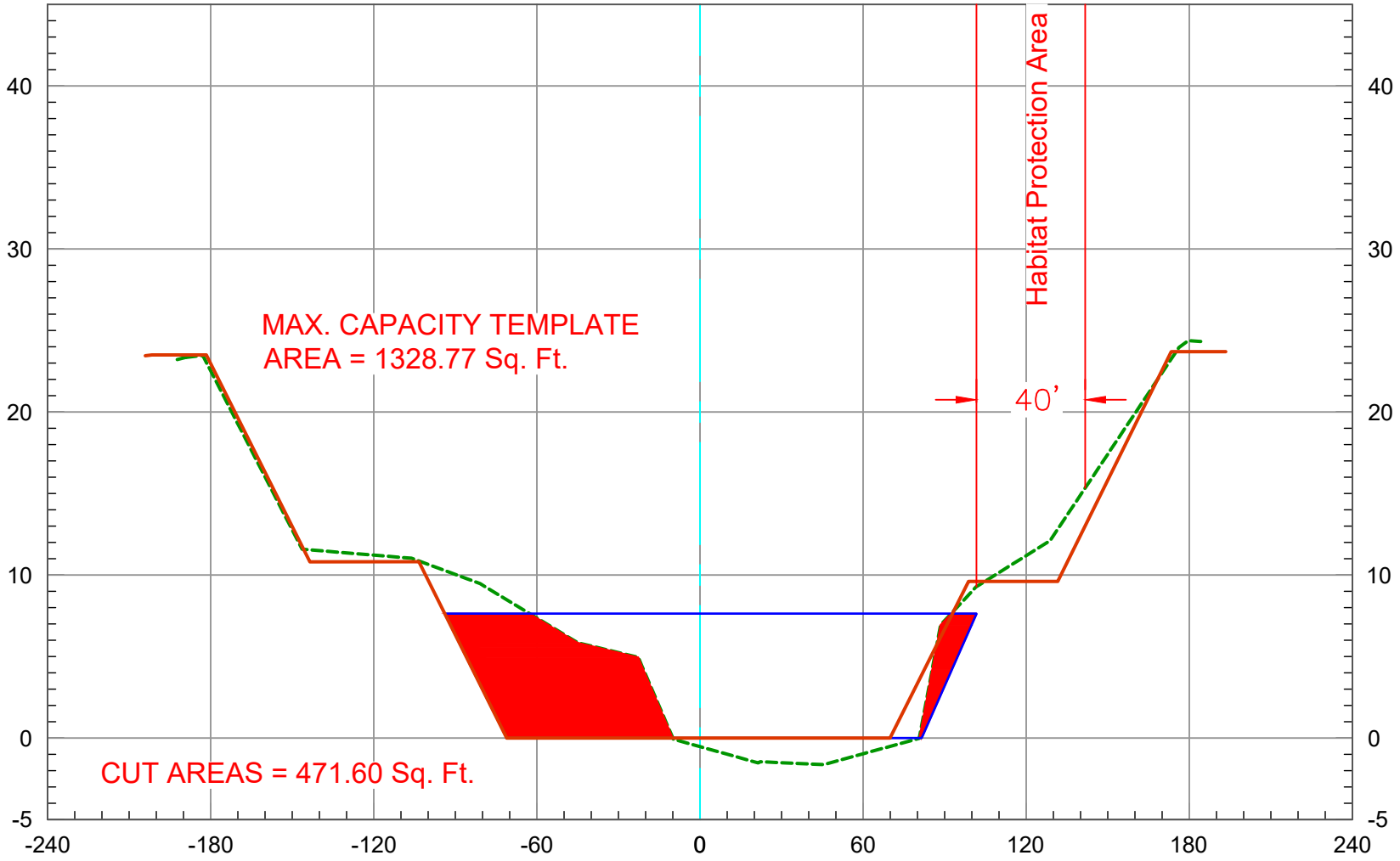

72+00

2019 Ground
As-Built Plan
Maximum Capacity

Vert. Scale: 1" = 10'
Horiz. Scale: 1" = 60'

U.S. Survey Foot

OC Public Works
OC Survey/Field Services
Boundary Analysis & Mapping

SAN DIEGO CREEK (F05) BASIN 1 - 2019 SCOURS

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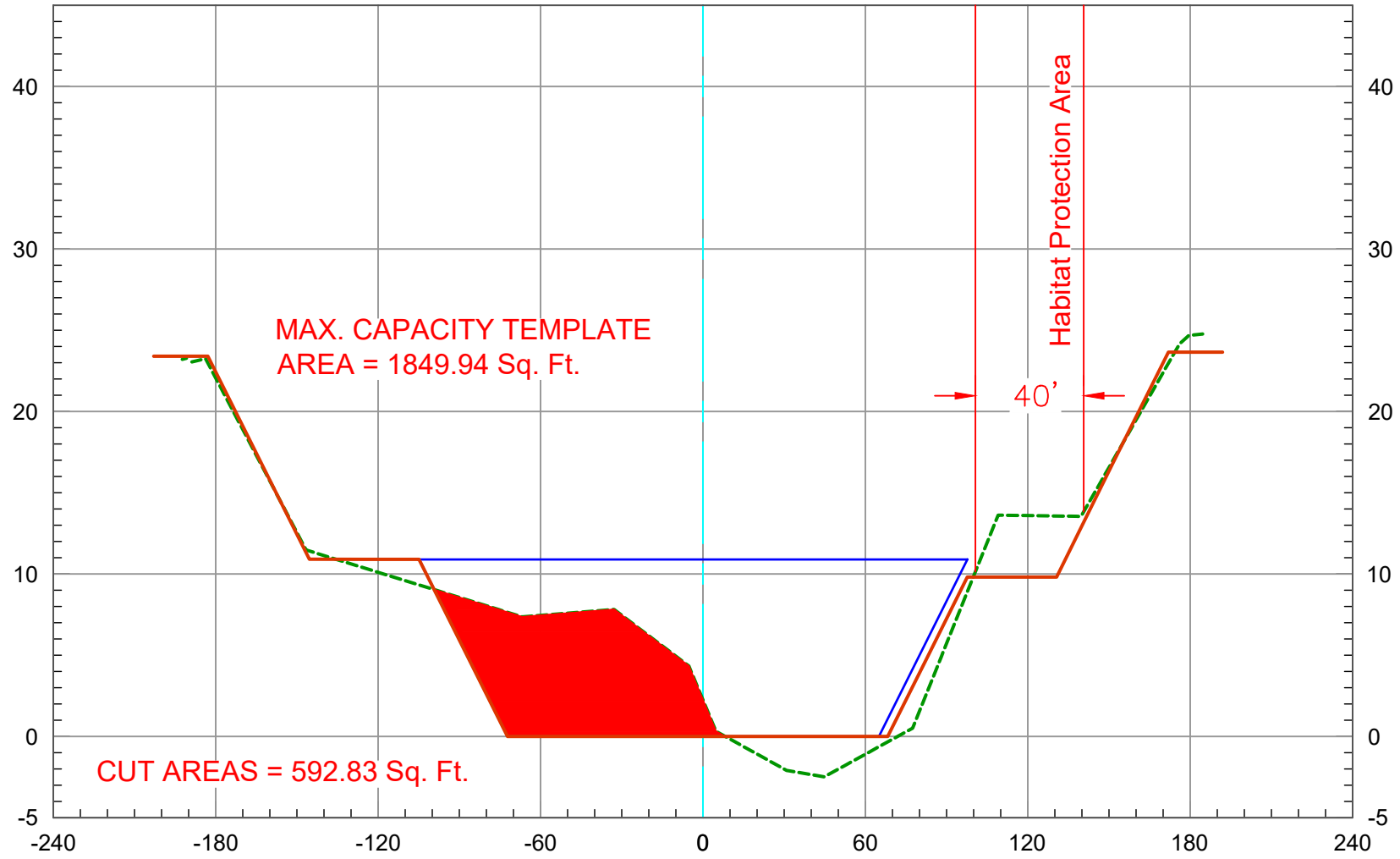


73+00

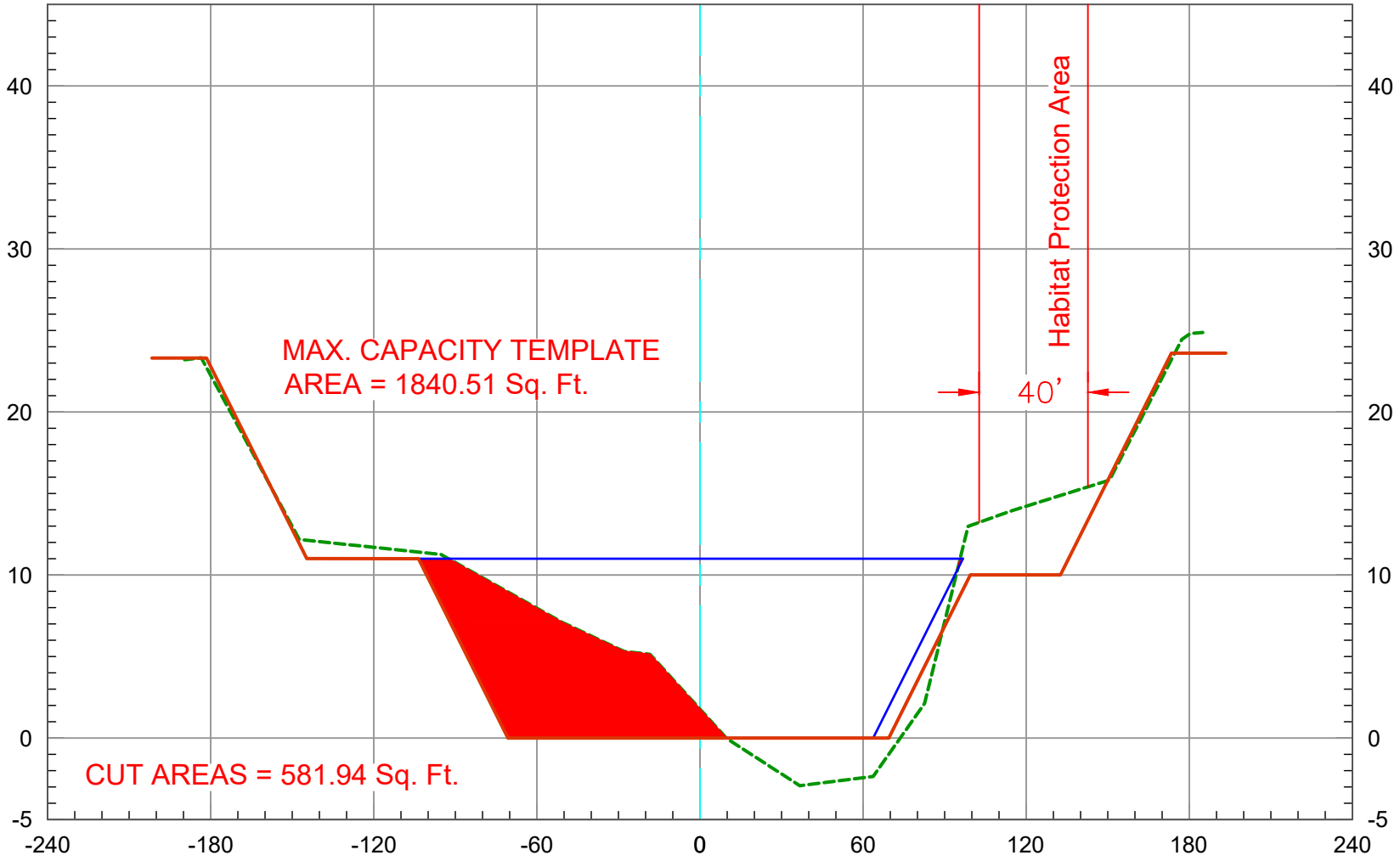
2019 Ground
As-Built Plan
Maximum Capacity

Vert. Scale: 1" = 10'
Horiz. Scale: 1" = 60'

U.S. Survey Foot

OC Public Works
OC Survey/Field Services
Boundary Analysis & Mapping

SAN DIEGO CREEK (F05) BASIN 1 - 2019 SCOURS
CL



74+00

2019 Ground
As-Built Plan
Maximum Capacity

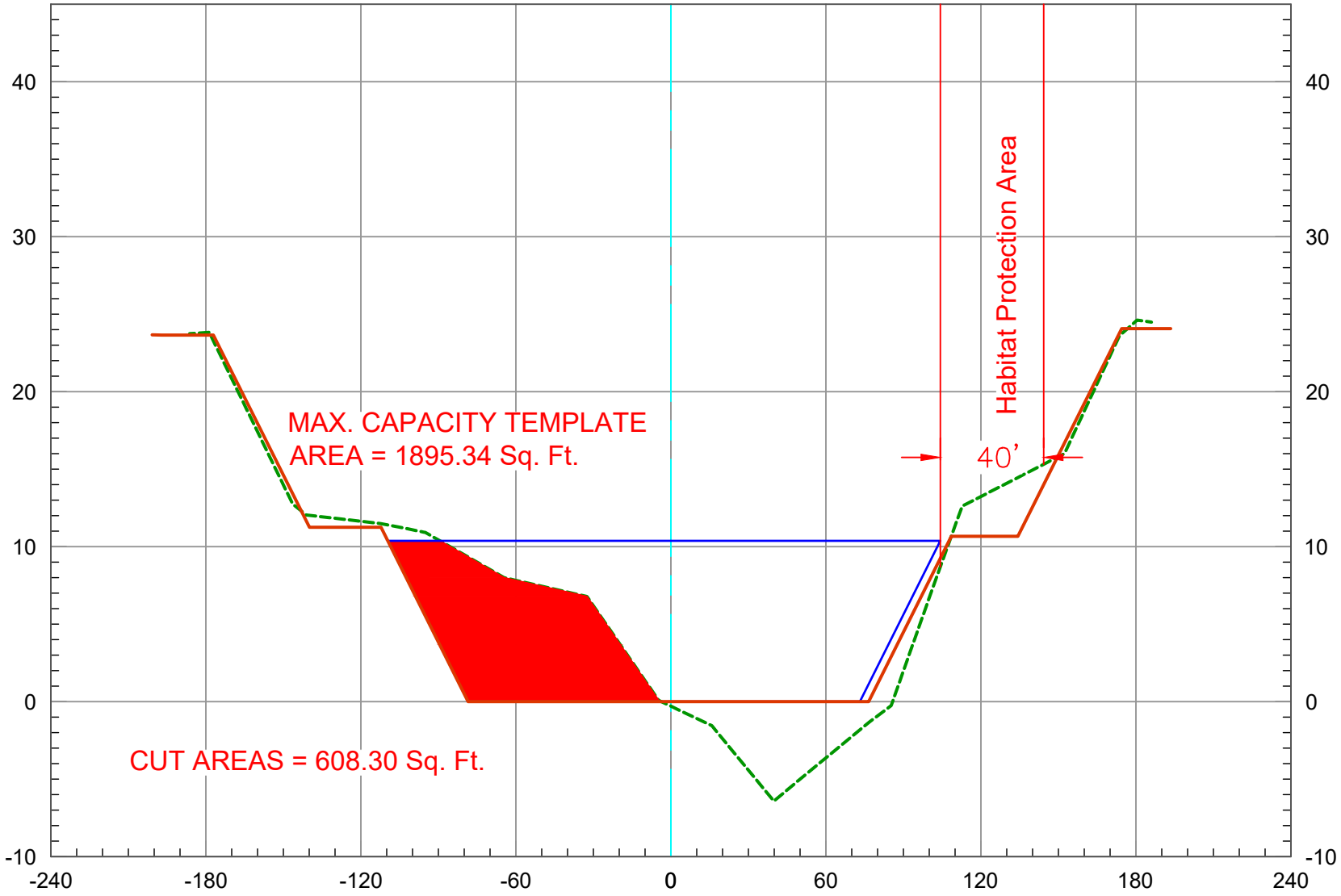
Vert. Scale: 1" = 10'
Horiz. Scale: 1" = 60'

U.S. Survey Foot

OC Public Works
OC Survey/Field Services
Boundary Analysis & Mapping

SAN DIEGO CREEK (F05) BASIN 1 - 2019 SCOURS

CL



75+00

2019 Ground
As-Built Plan
Maximum Capacity

Vert. Scale: 1" = 10'
Horiz. Scale: 1" = 60'