

U.S. *Survey
Foot*

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



OC PUBLIC WORKS DEPARTMENT

JAMES TREADWAY, DIRECTOR OF PUBLIC WORKS
KEVIN HILLS, COUNTY SURVEYOR

SAN DIEGO CREEK CHANNEL (F05) SCOUR STUDY

**MAXIMUM CAPACITY OF BASIN 2
STATION 82+00 TO 98+00**

HORIZONTAL DATUM

COORDINATES SHOWN ARE BASED ON THE CALIFORNIA COORDINATE SYSTEM (CCS83), ZONE VI, NAD 83, OCS (1991.35) EPOCH ADJUSTMENT.

ALL DISTANCE SHOWN ARE GRID, UNLESS OTHERWISE NOTED. TO OBTAIN GROUND DISTANCES MULTIPLY GRID BY COMBINED FACTOR OF 1.00002886. A LEGACY PROJECT AVERAGE COMBINATION FACTOR WAS HELD PER SURVEY #9890P54444.

ALL DISTANCES ARE BASED ON THE U.S. SURVEY FOOT.

VERTICAL DATUM

NGVD 1929 / 1995 O.C.S. VERTICAL ADJUSTMENT

PROJECT CROSS SECTIONS

COUNTY of ORANGE
OC PUBLIC WORKS
OC SURVEY

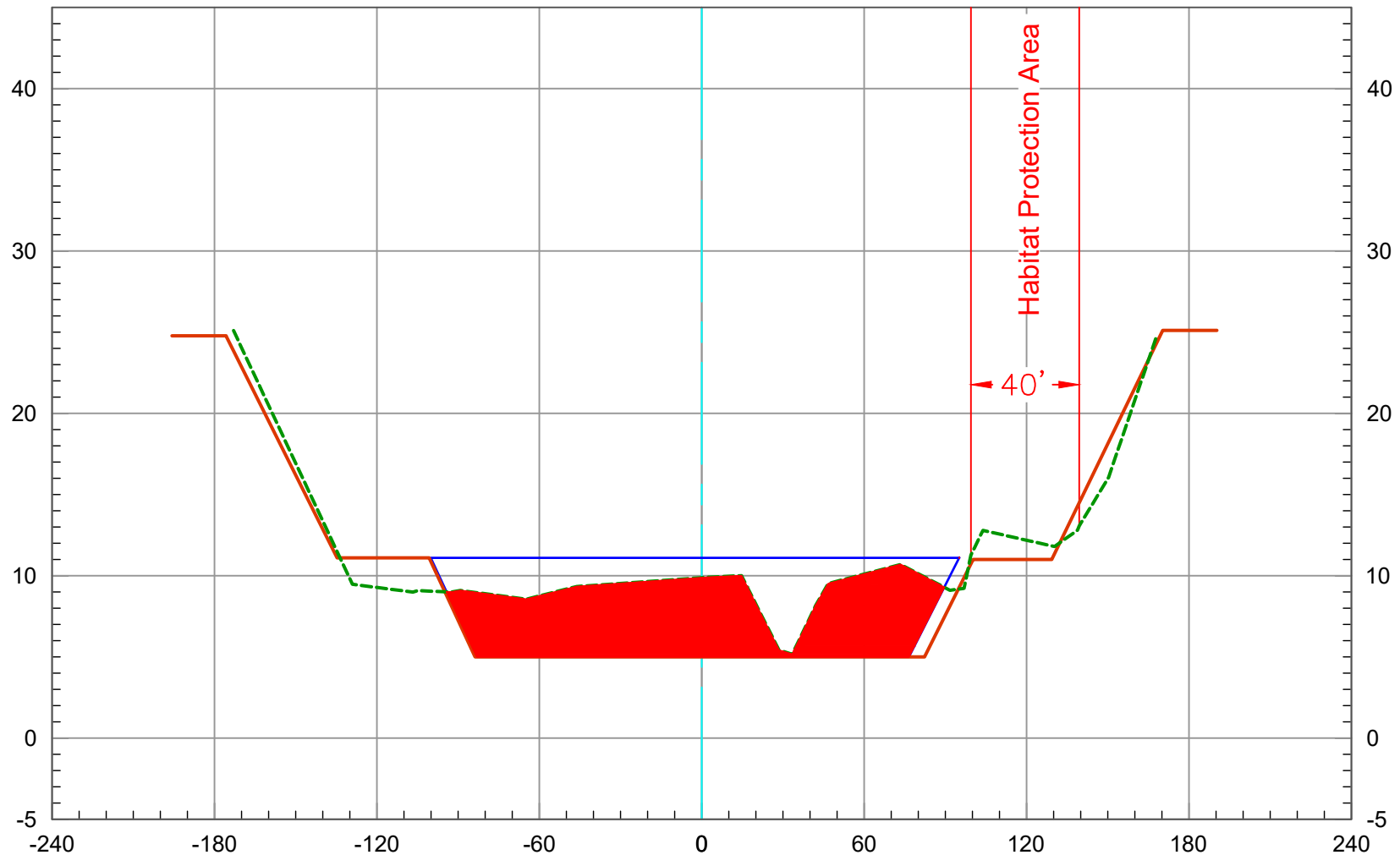
FIELD SERVICES - MAPPING UNIT

2022 SCOURS STUDY - % MAX. CAPACITY BASIN TEMPLATE
VOLUME REPORT (OCTOBER 2022)

SAN DIEGO CREEK (F05) BASIN #2, STATION 82+00 TO 98+00

STATION	CUT AREA	CUT VOLUME	MAX CAPACITY PLAN AREA	MAX CAPACITY PLAN VOLUME	% of CAPACITY
82+00	709.75	0.00	1082.31	0.00	
83+00	240.15	1759.06	1104.24	4049.00	43.44%
84+00	241.51	891.96	1042.63	3976.00	22.43%
85+00	254.40	918.36	970.78	3729.00	24.63%
86+00	280.60	990.74	974.99	3603.00	27.50%
87+00	197.44	885.24	1005.25	3667.00	24.14%
88+00	203.69	742.83	1048.59	3803.00	19.53%
89+00	319.47	968.82	1268.96	4292.00	22.57%
90+00	309.04	1163.91	1506.45	5140.00	22.64%
91+00	284.24	1098.67	1577.62	5711.00	19.24%
92+00	380.90	1231.74	1473.94	5651.00	21.80%
93+00	370.16	1390.85	1610.97	5713.00	24.35%
94+00	494.43	1601.10	1286.18	5365.00	29.84%
95+00	481.69	1807.64	1737.43	5599.00	32.29%
96+00	494.84	1808.40	1816.07	6581.00	27.48%
97+00	485.90	1816.20	1911.00	6902.00	26.31%
98+00	562.89	1942.21	1920.00	7094.00	27.38%
		TOTAL CUT VOLUME		MAX. CAPACITY BASIN 3 VOLUME	TOTAL % OF CAPACITY
	Cubic Yards	21,018	Cubic Yards	80,875	25.99%

SAN DIEGO CREEK (F05) BASIN 2 - 2022 SCOURS CL

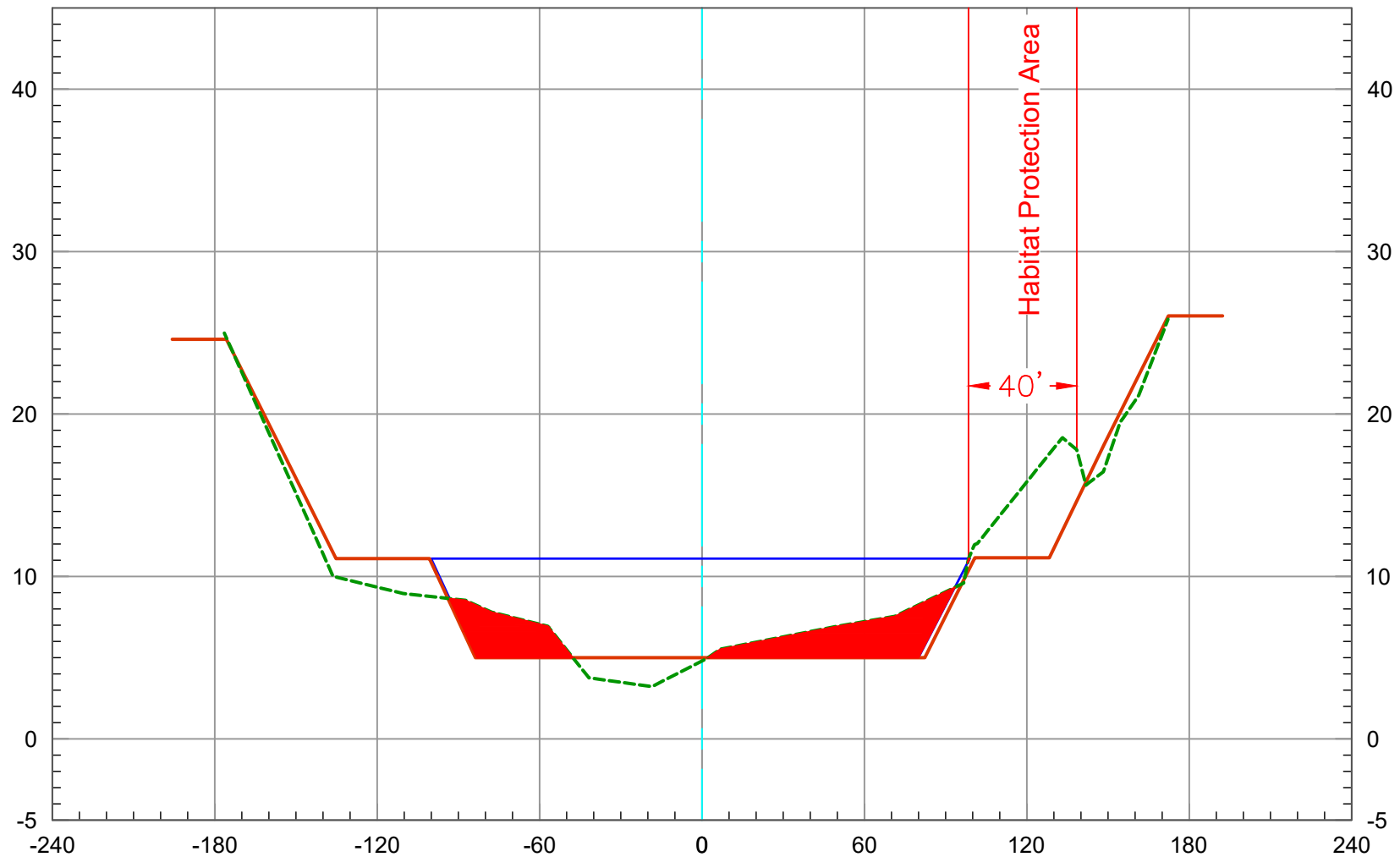


2022 O.C.S. Topography ---
Record Drawings ---
Maximum Capacity ---

82+00

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

SAN DIEGO CREEK (F05) BASIN 2 - 2022 SCOURS CL

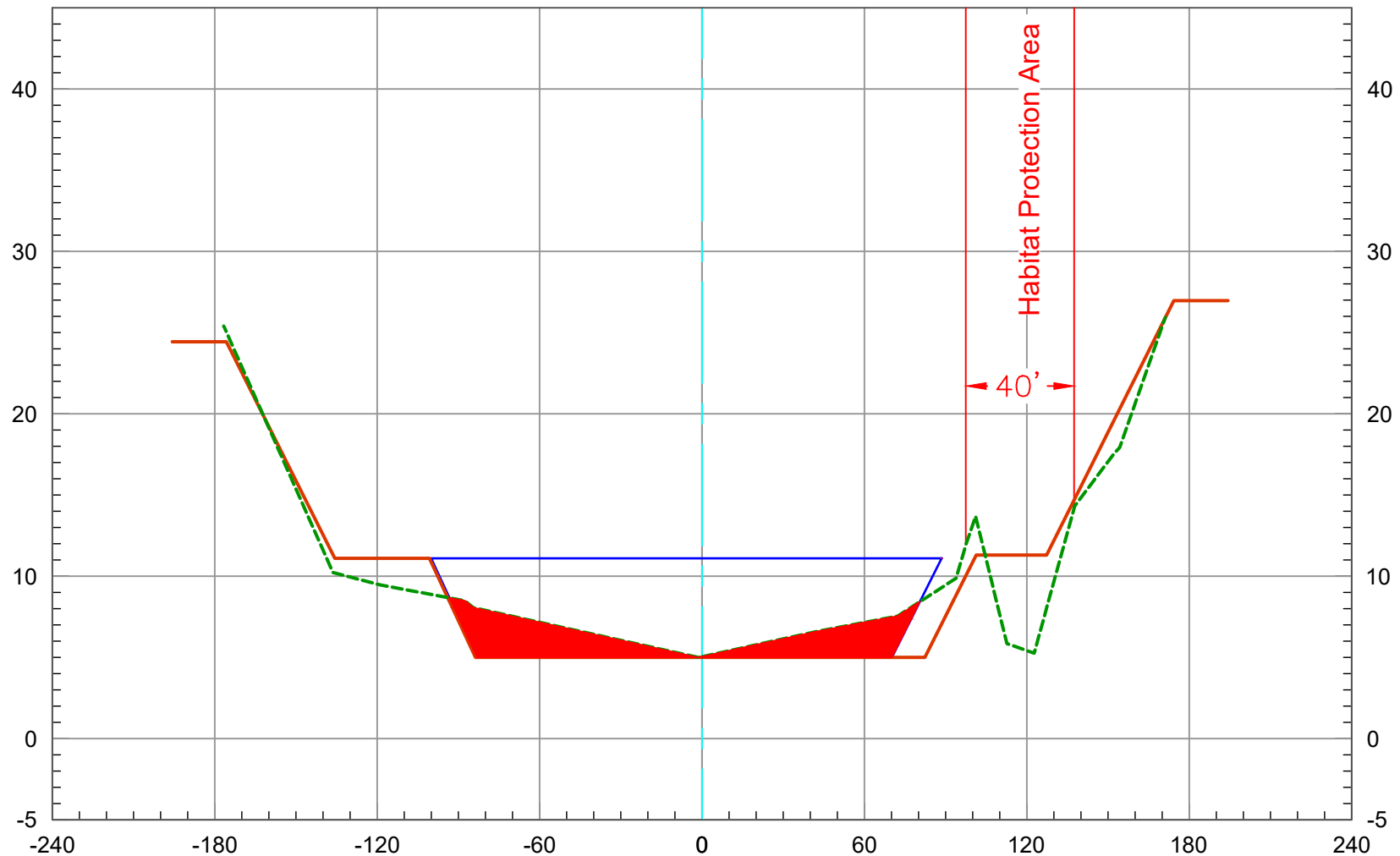


2022 O.C.S. Topography ---
Record Drawings ---
Maximum Capacity ---

83+00

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

SAN DIEGO CREEK (F05) BASIN 2 - 2022 SCOURS CL

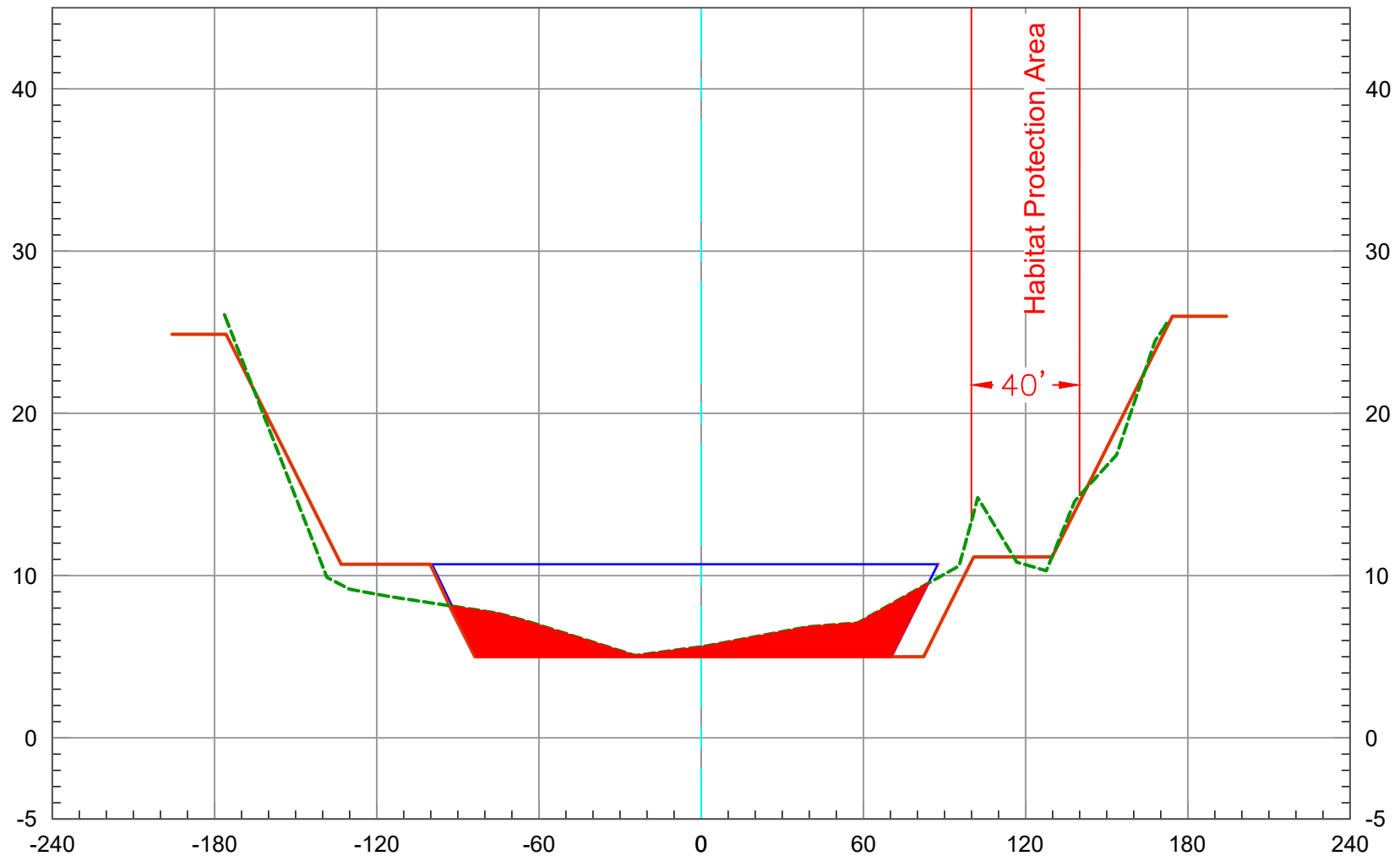


2022 O.C.S. Topography ---
Record Drawings ---
Maximum Capacity ---

84+00

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

SAN DIEGO CREEK (F05) BASIN 2 - 2022 SCOURS CL

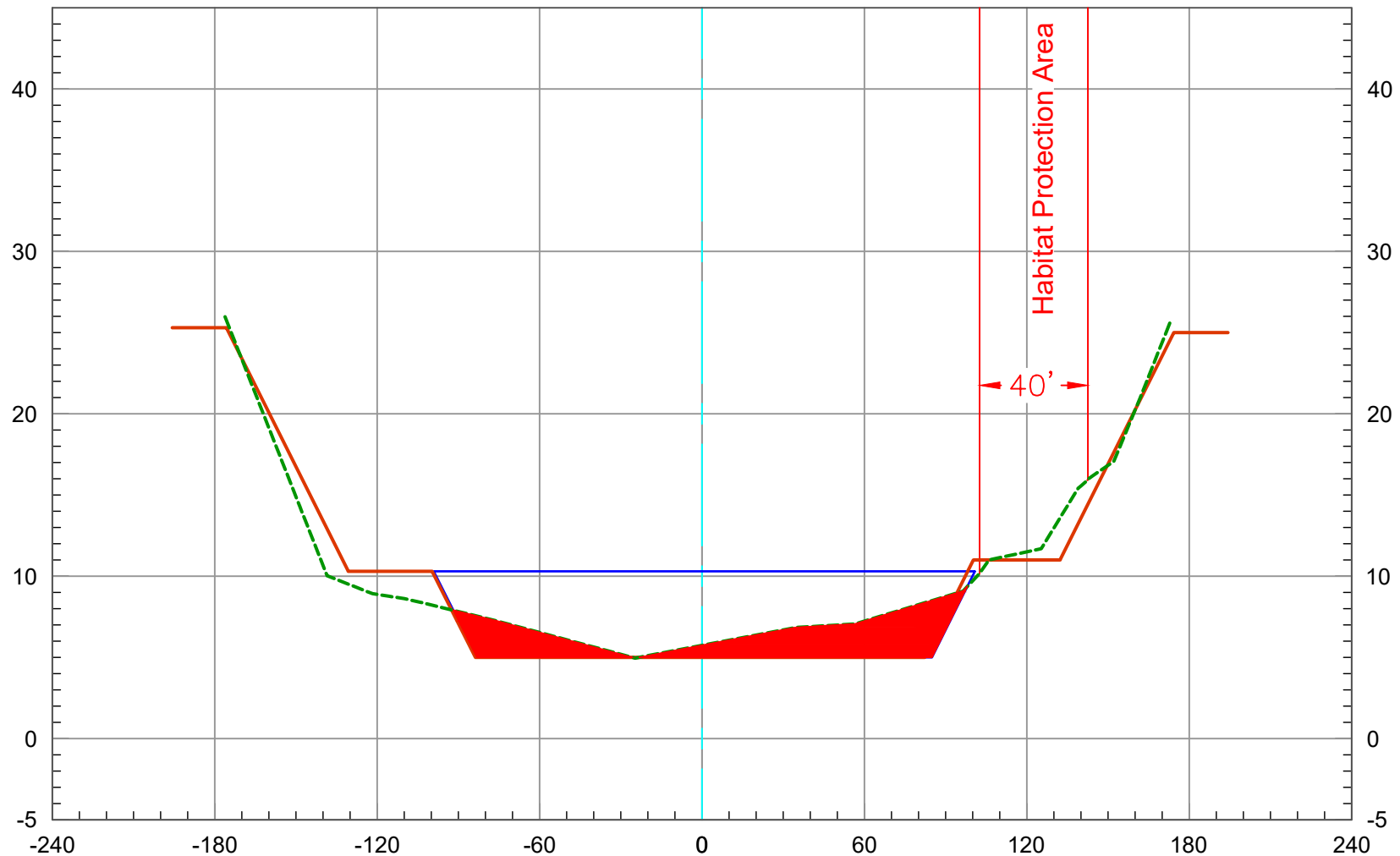


2022 O.C.S. Topography ---
Record Drawings —
Maximum Capacity —

85+00

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

SAN DIEGO CREEK (F05) BASIN 2 - 2022 SCOURS CL

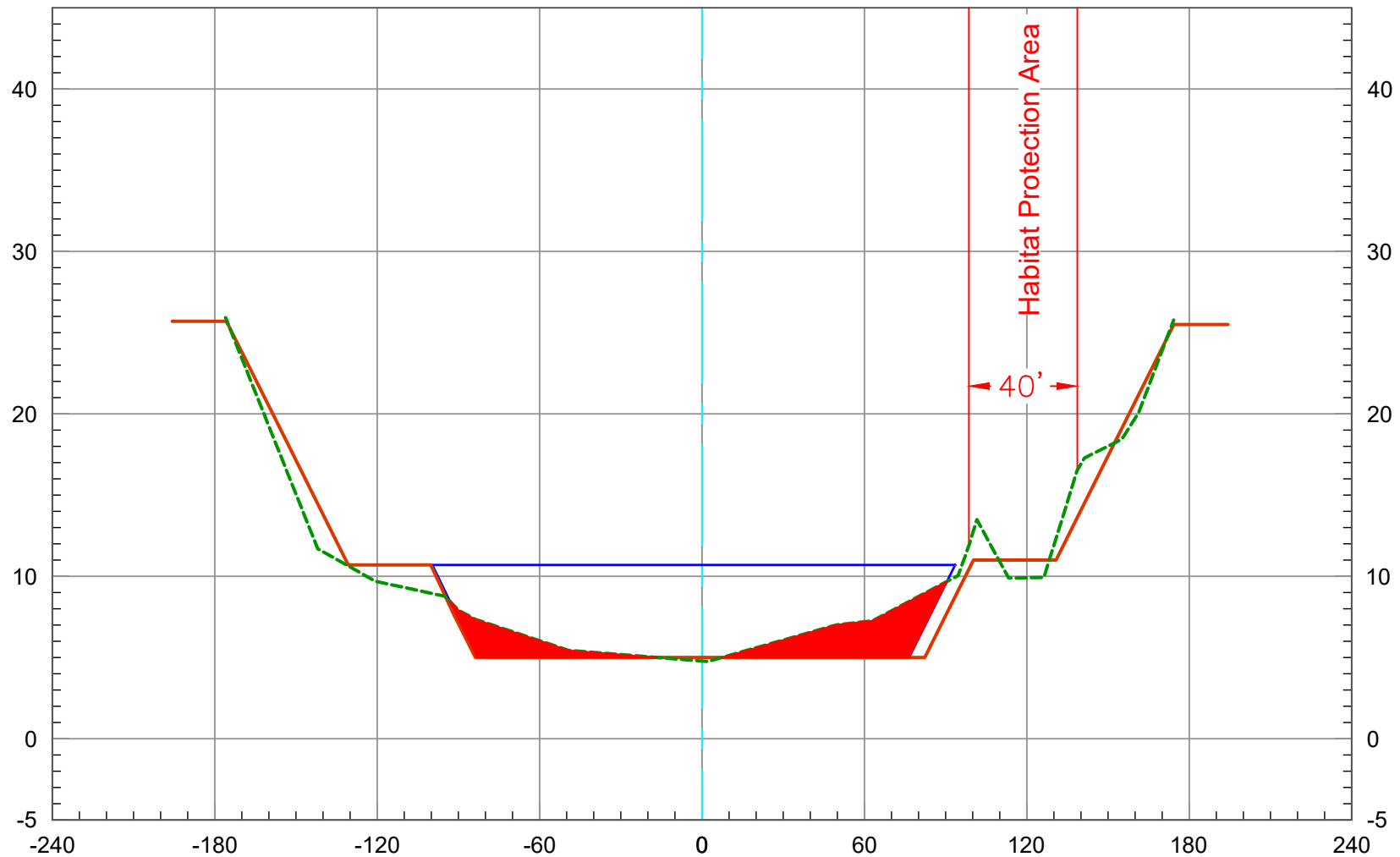


2022 O.C.S. Topography -----
Record Drawings —————
Maximum Capacity —————

86+00

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

SAN DIEGO CREEK (F05) BASIN 2 - 2022 SCOURS CL

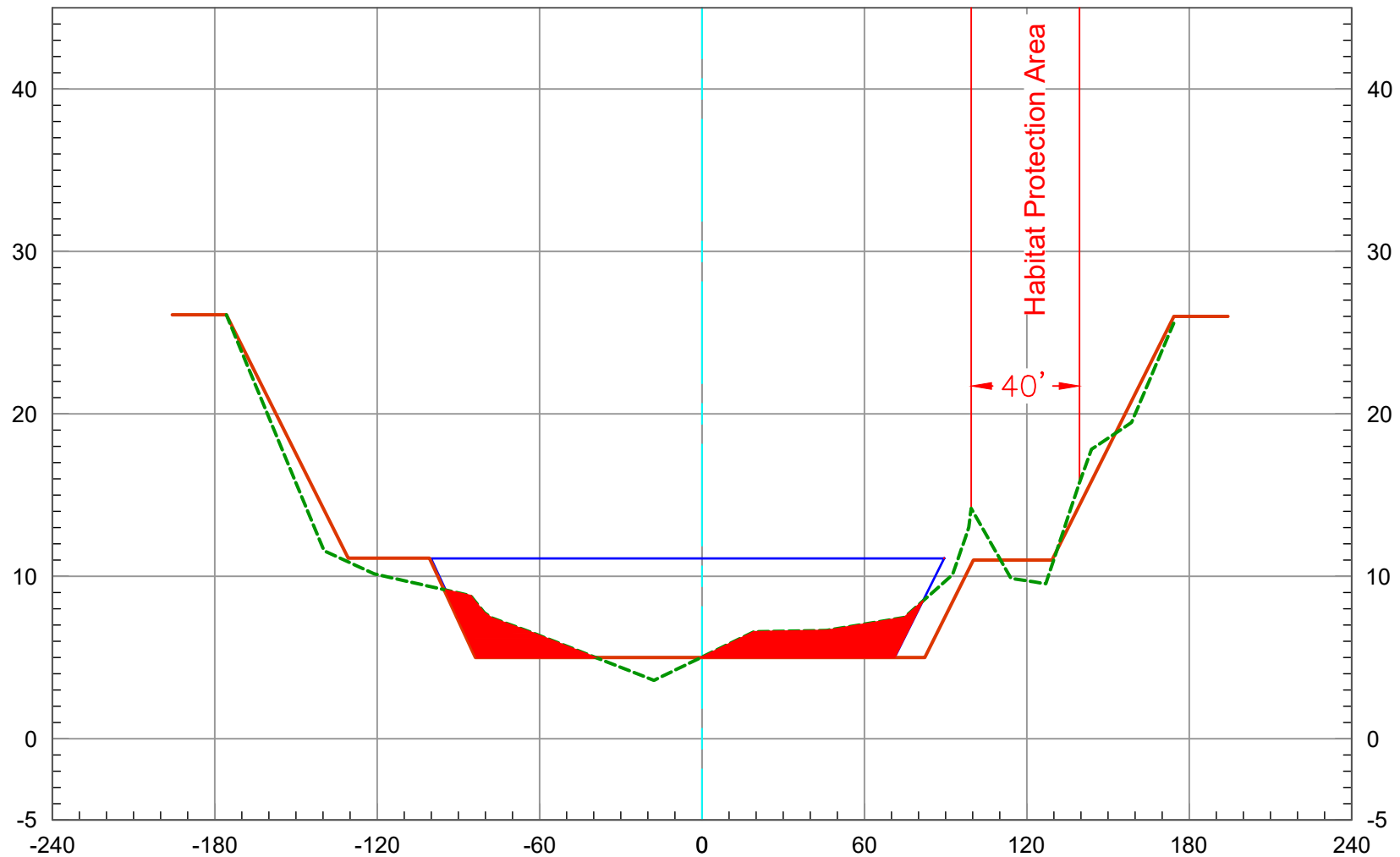


2022 O.C.S. Topography ---
Record Drawings —
Maximum Capacity —

87+00

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

SAN DIEGO CREEK (F05) BASIN 2 - 2022 SCOURS CL

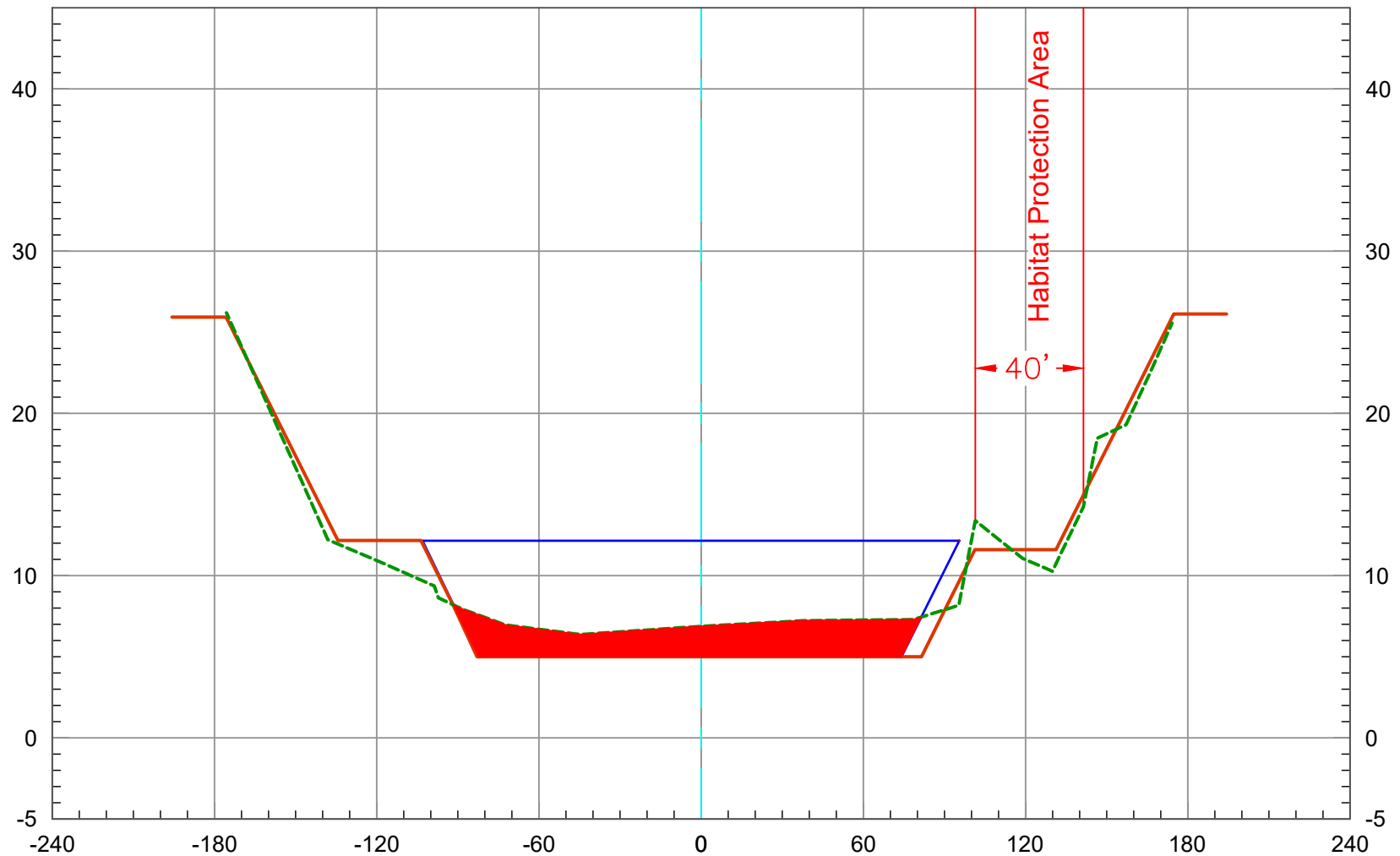


2022 O.C.S. Topography ---
Record Drawings —
Maximum Capacity —

88+00

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

SAN DIEGO CREEK (F05) BASIN 2 - 2022 SCOURS CL

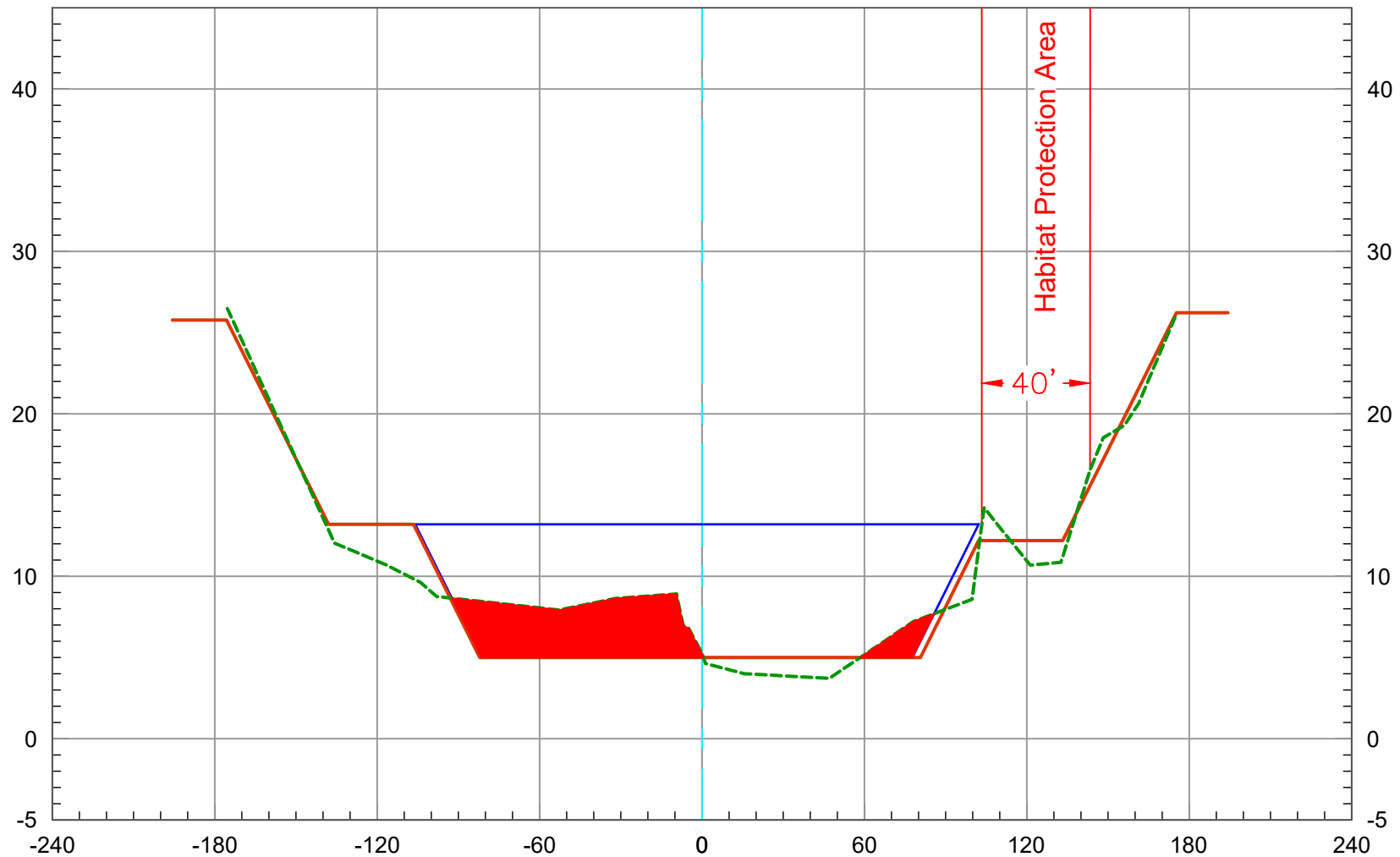


2022 O.C.S. Topography ---
Record Drawings ---
Maximum Capacity ---

89+00

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

SAN DIEGO CREEK (F05) BASIN 2 - 2022 SCOURS CL

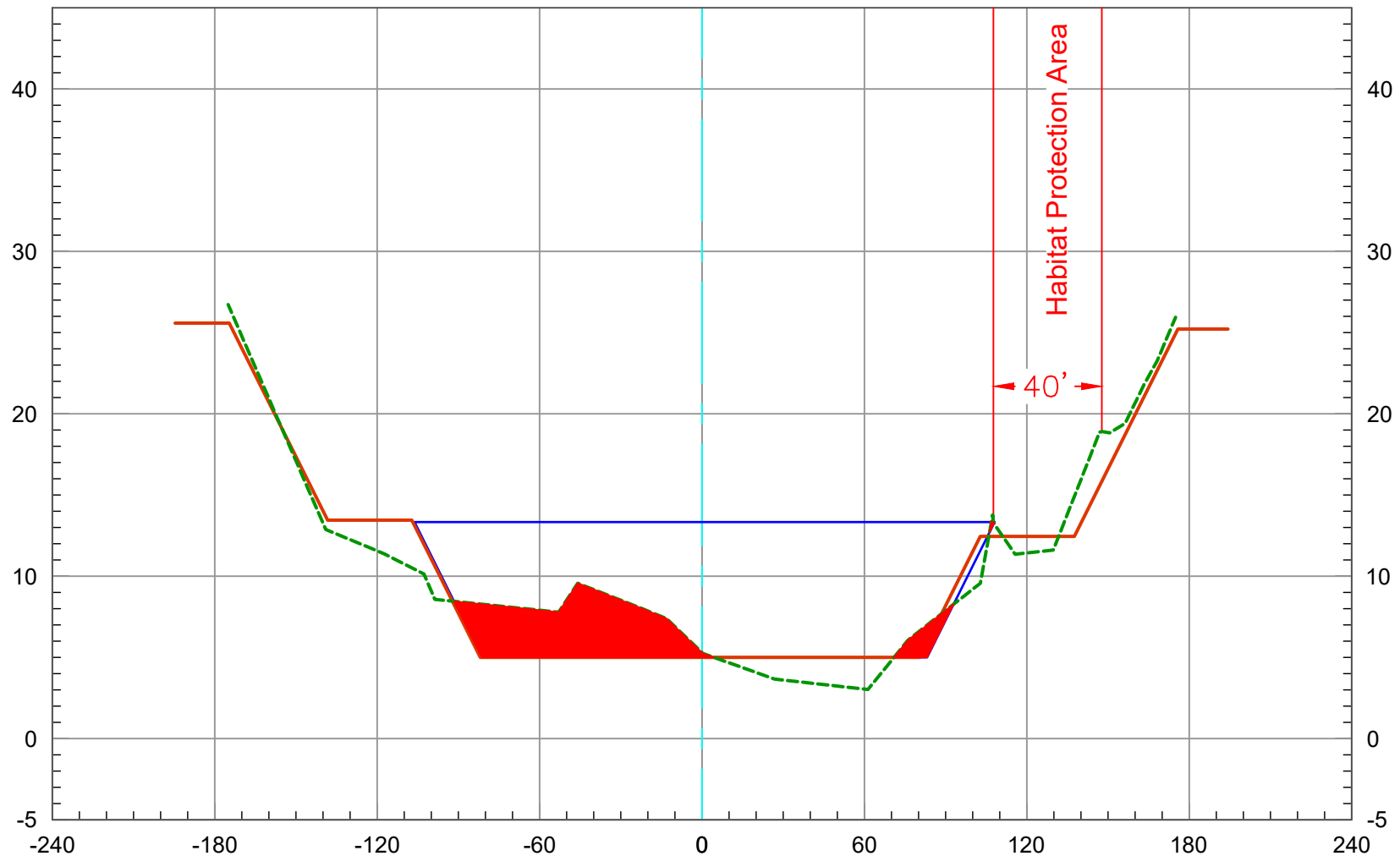


2022 O.C.S. Topography -----
Record Drawings —————
Maximum Capacity —————

90+00

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

SAN DIEGO CREEK (F05) BASIN 2 - 2022 SCOURS CL

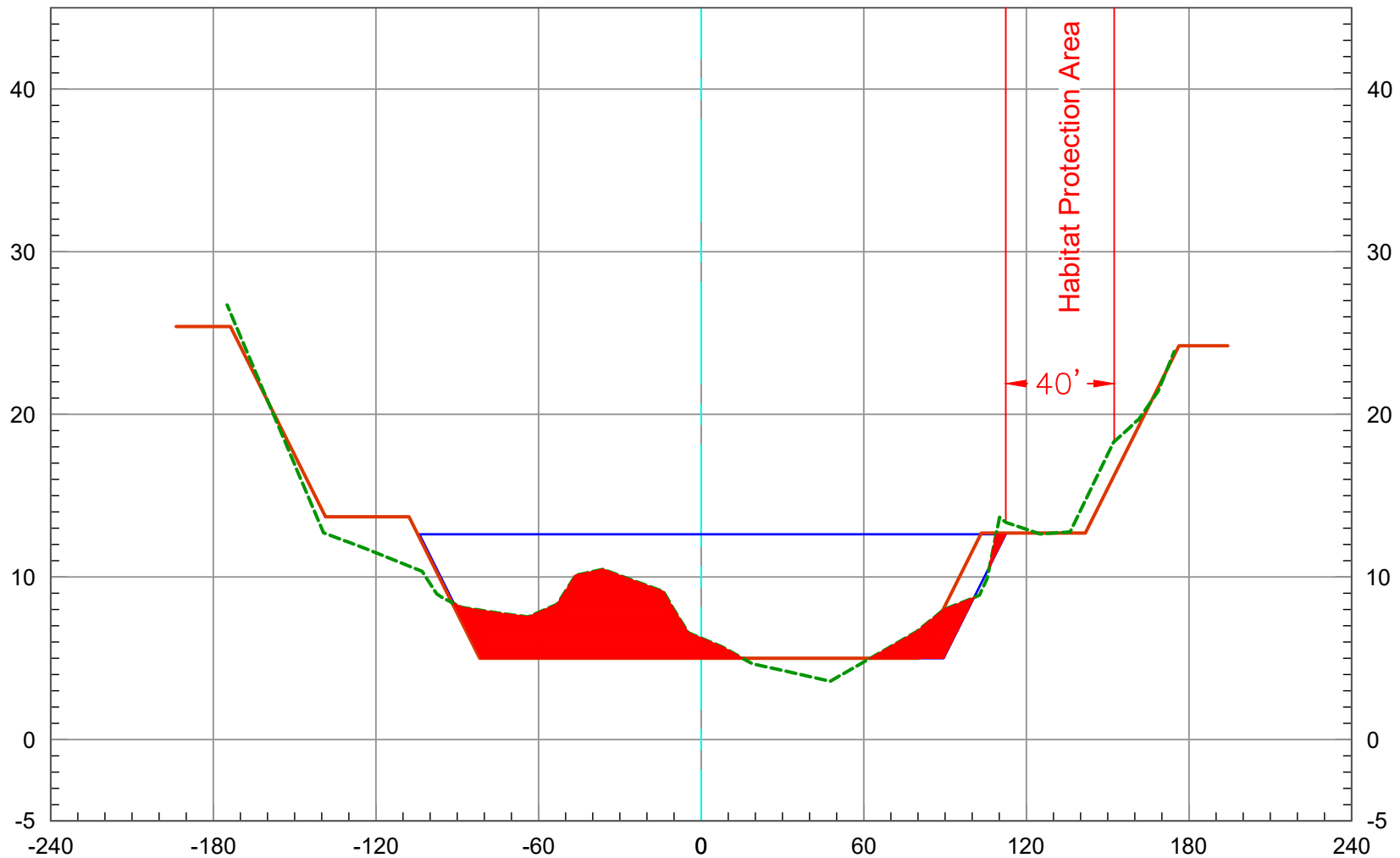


2022 O.C.S. Topography ---
Record Drawings —
Maximum Capacity —

91+00

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

SAN DIEGO CREEK (F05) BASIN 2 - 2022 SCOURS CL

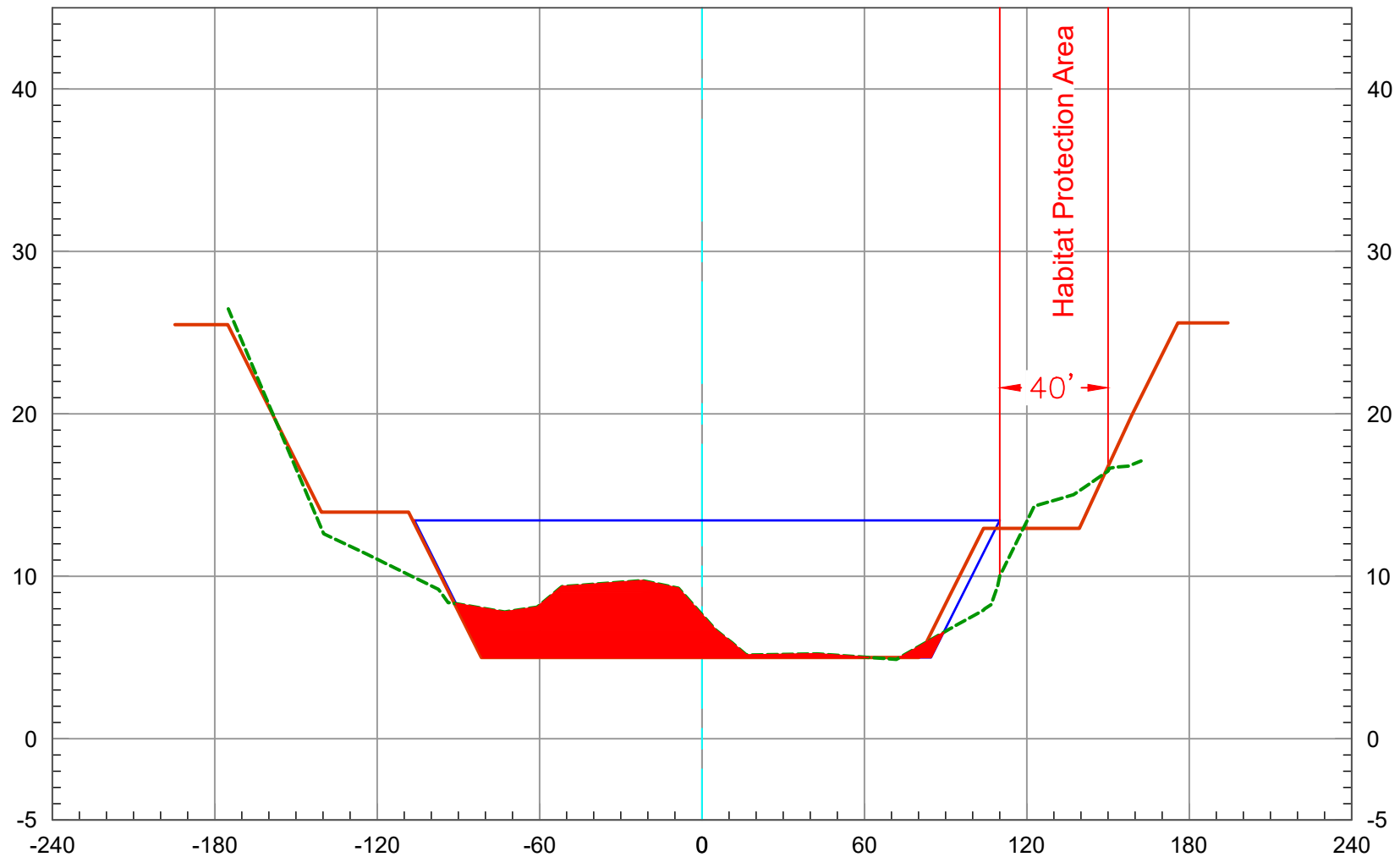


2022 O.C.S. Topography -----
Record Drawings —————
Maximum Capacity —————

92+00

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

SAN DIEGO CREEK (F05) BASIN 2 - 2022 SCOURS CL

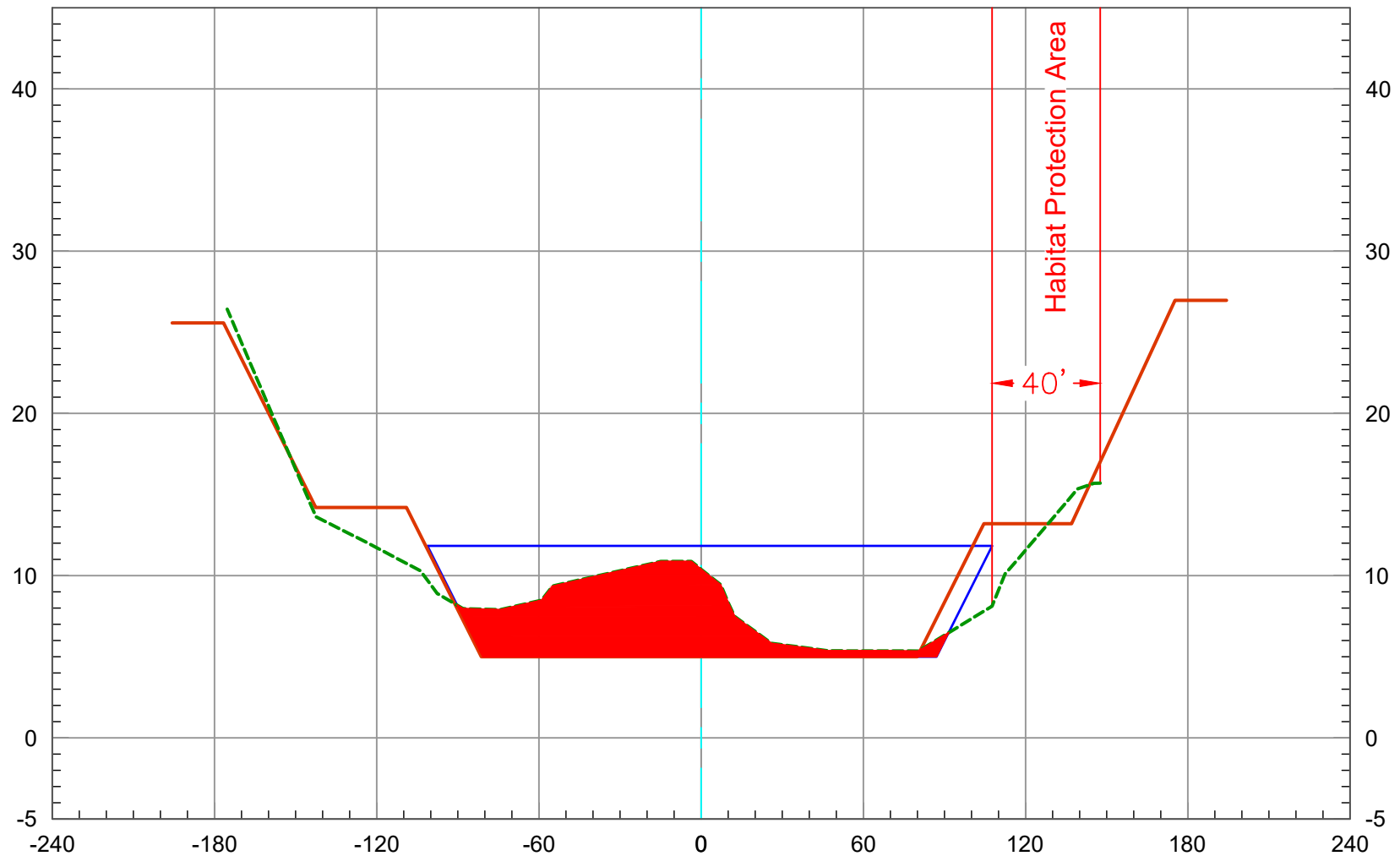


2022 O.C.S. Topography ---
Record Drawings ---
Maximum Capacity ---

93+00

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

SAN DIEGO CREEK (F05) BASIN 2 - 2022 SCOURS CL

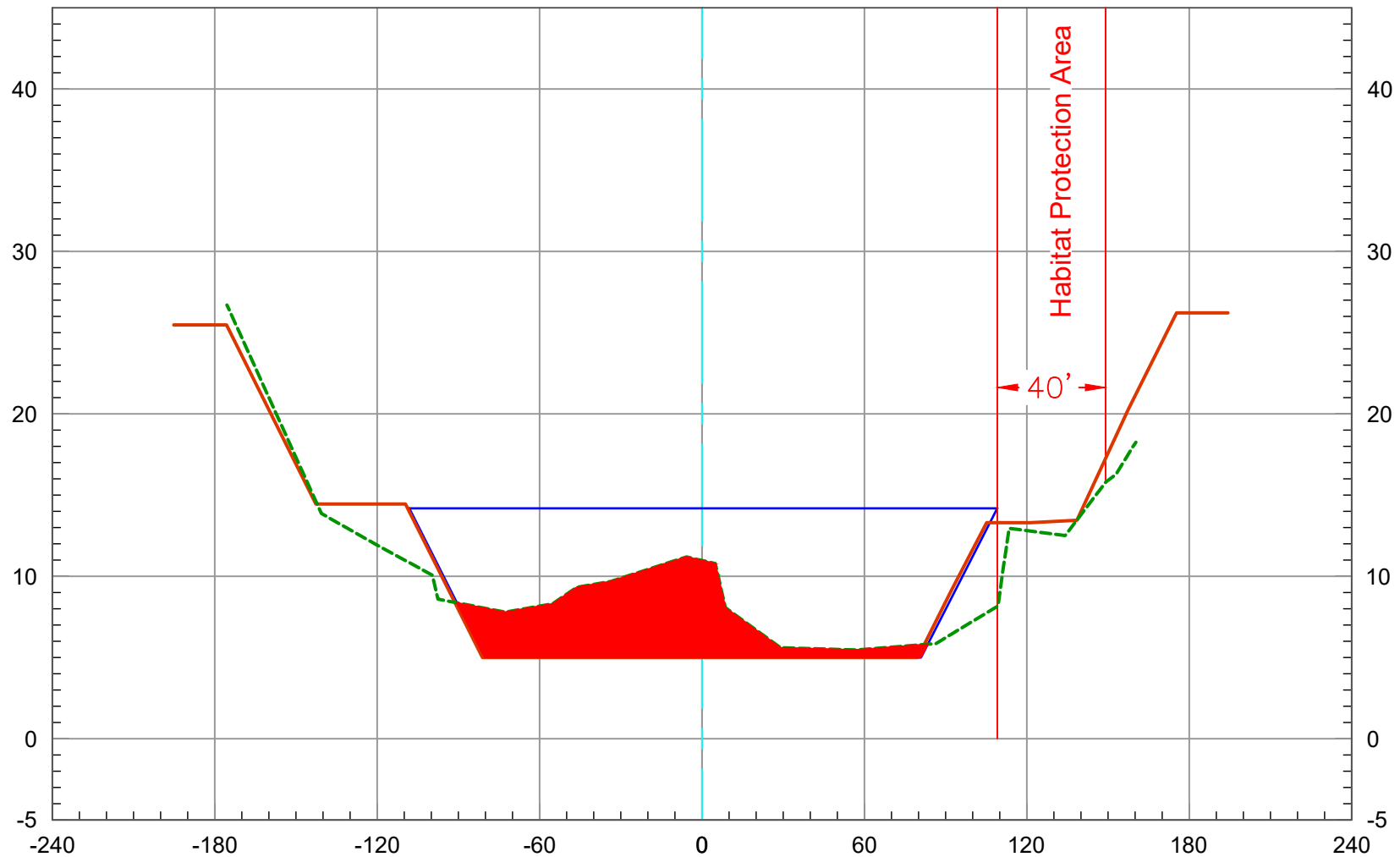


2022 O.C.S. Topography ---
Record Drawings —
Maximum Capacity —

94+00

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

SAN DIEGO CREEK (F05) BASIN 2 - 2022 SCOURS CL

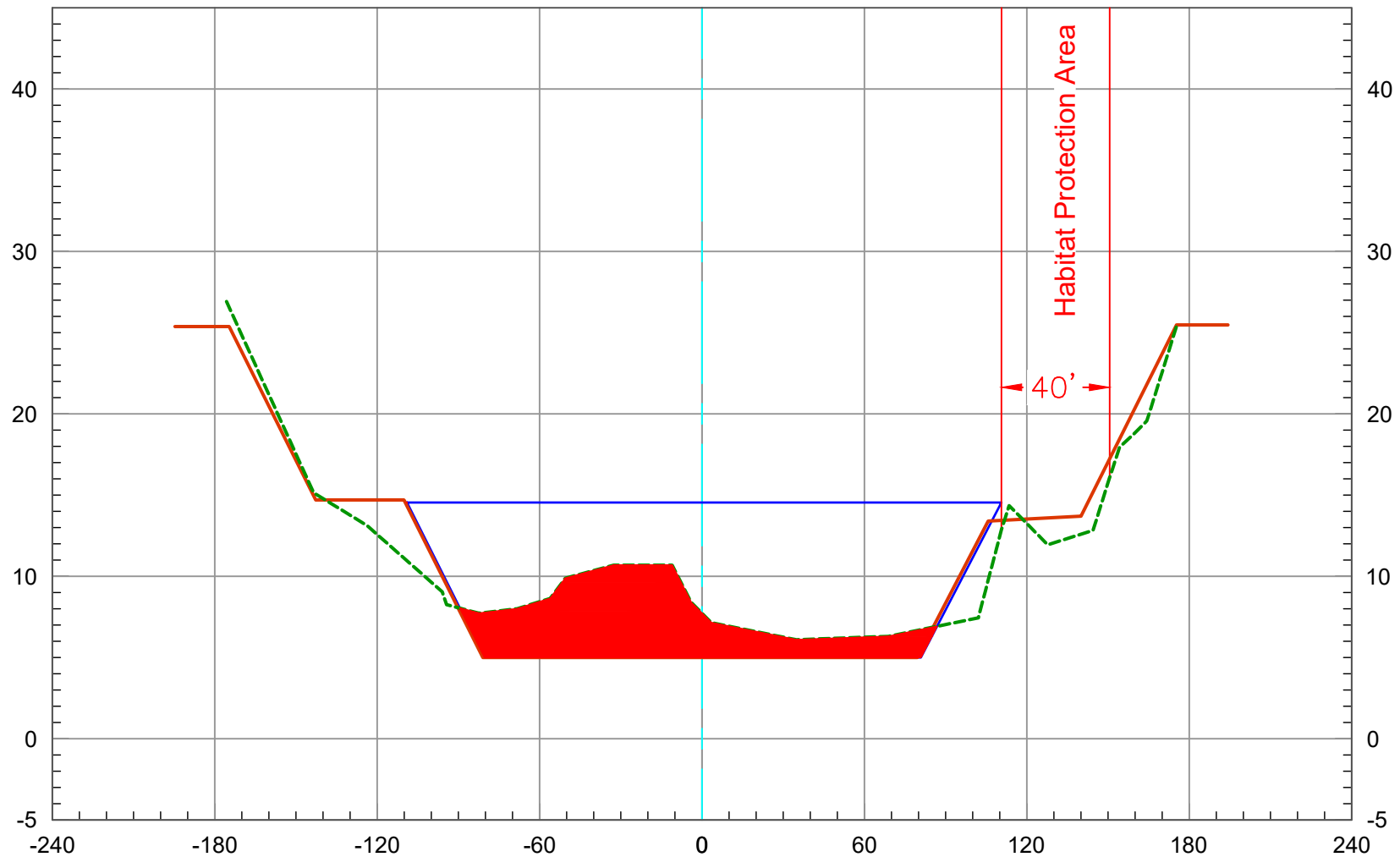


2022 O.C.S. Topography ---
Record Drawings ---
Maximum Capacity ---

95+00

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

SAN DIEGO CREEK (F05) BASIN 2 - 2022 SCOURS CL

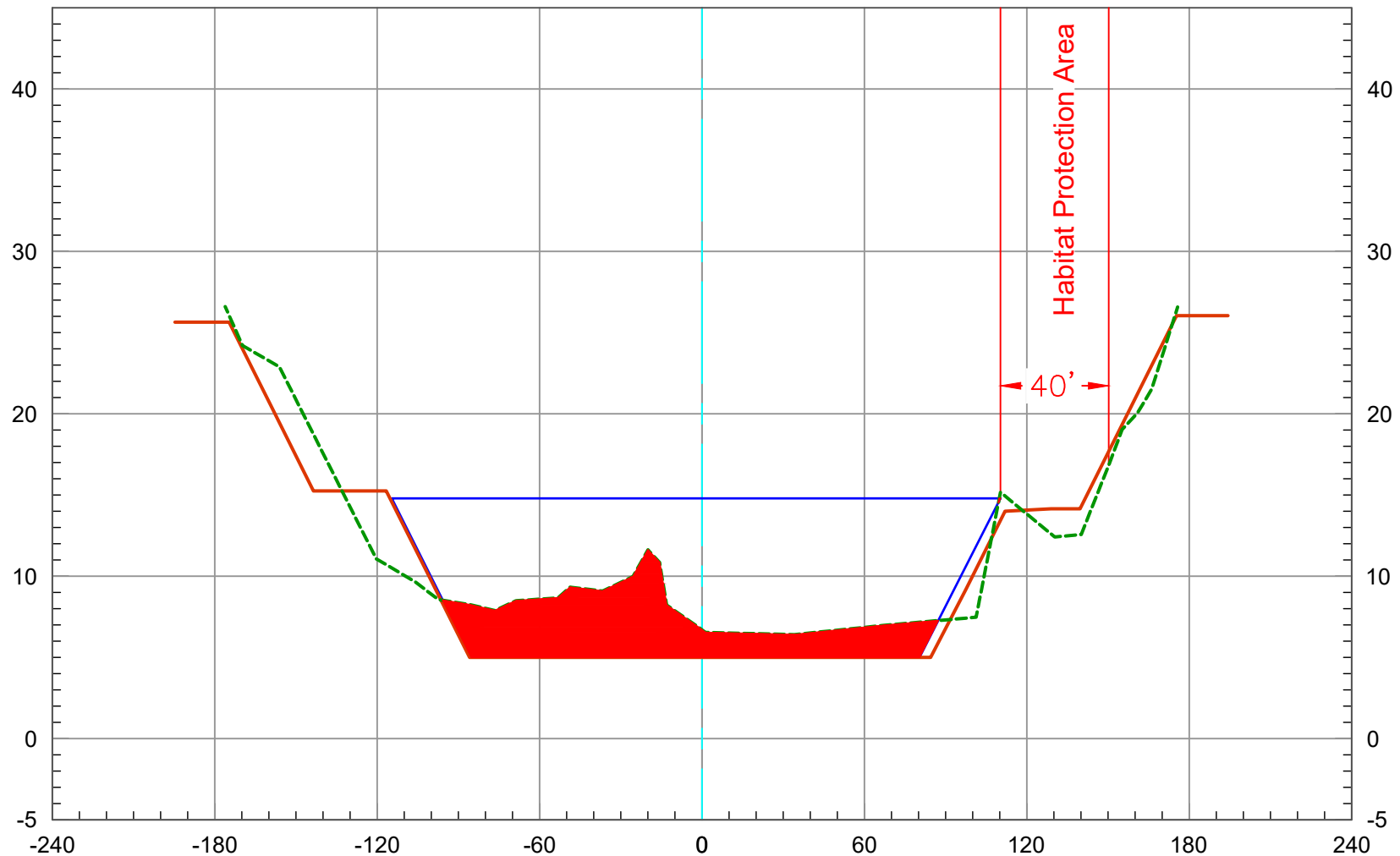


2022 O.C.S. Topography ---
Record Drawings ---
Maximum Capacity ---

96+00

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

SAN DIEGO CREEK (F05) BASIN 2 - 2022 SCOURS CL

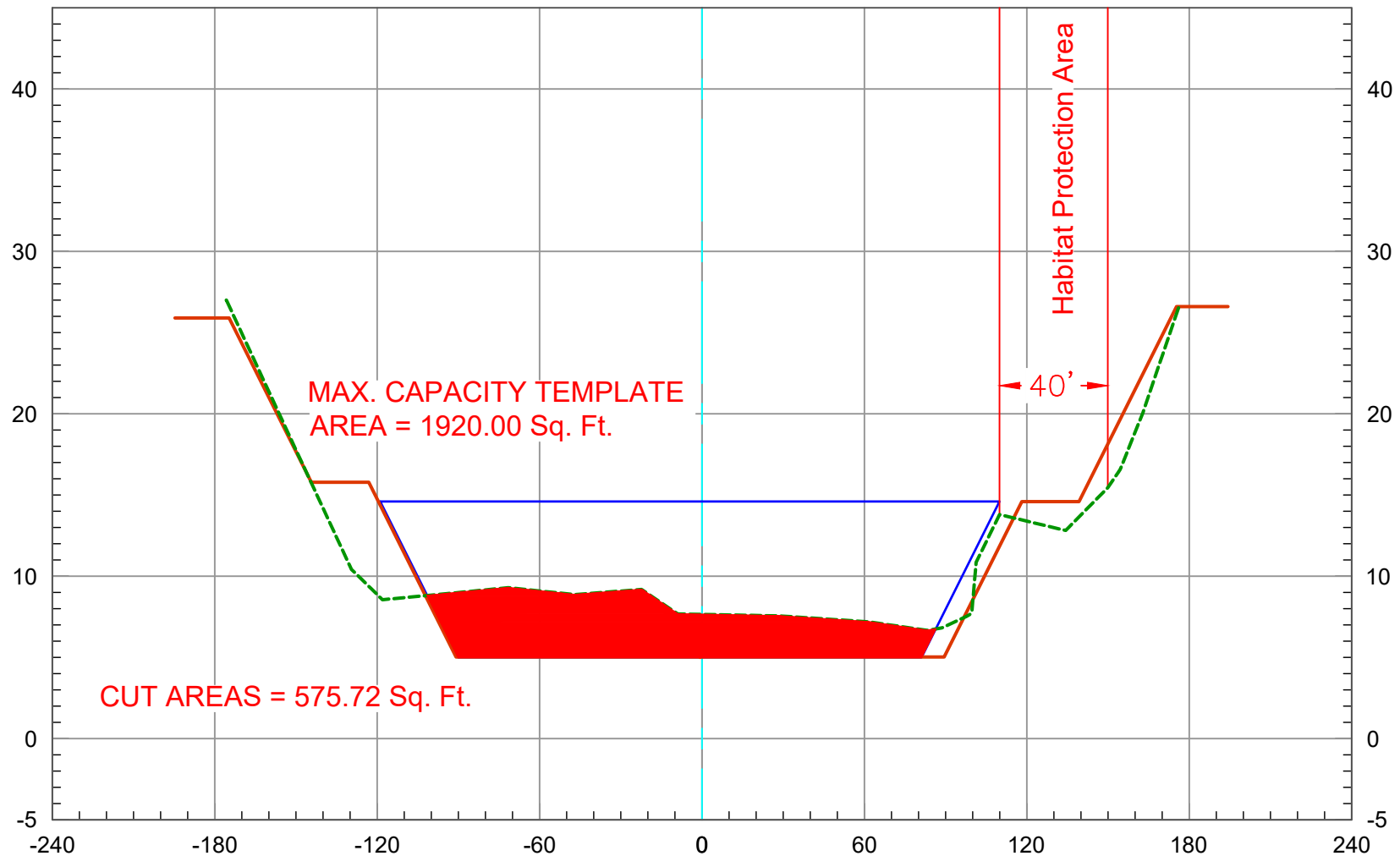


2022 O.C.S. Topography ---
Record Drawings ---
Maximum Capacity ---

97+00

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

SAN DIEGO CREEK (F05) BASIN 2 - 2022 SCOURS CL



2022 O.C.S. Topography -----
Record Drawings —————
Maximum Capacity —————

98+00

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