STANDARD PLANS

SOLID WASTE AND RECYCLING
SECTION A-A

6" THICK (MIN.) 3000 PSI CONCRETE WITH #4 REBAR MID-HEIGHT @ 12" OC EACH WAY
SEE NOTE 20

4" THICK (MIN.) CLASS II AB
NATIVE COMPACTED BASE

STRESS CONCRETE APRON DETAIL

ACCESSIBLE PEDESTRIAN GATE. SEE NOTE 14

GATES OPEN TO 110° MINIMUM. SEE NOTE 13

STRESS CONCRETE APRON. SEE NOTE 15 AND DETAIL THIS SHEET

NO PARKING

PLAN VIEW

ALL NOTES REFERENCED HEREIN ARE PROVIDED ON STANDARD DETAIL SWR-1.1

CITY OF NAPA
UTILITIES DEPARTMENT

TYPICAL ENCLOSURE FACILITY

DRAWN BY: DEH
CHECKED BY: SL
APPROVAL DATE: 01/06/22
APPROVED BY: KM
SCALE: NONE
DRAWING NO. SWR-1
REVISED DATE: 09/2021
NOTES

1. CITY STD SWR-1A THROUGH SWR-1H ARE PROVIDED AS EXAMPLE LAYOUTS AND CAN BE MODIFIED TO SERVE INDIVIDUAL PROJECT NEEDS, HOWEVER, MINIMUM AND MAXIMUM DISTANCE REQUIREMENTS MUST BE MET AS NOTED.

2. SEE CITY STD. SWR-1A THROUGH SWR-1D FOR NON-FOOD FACILITY ENCLOSURE LAYOUTS.

3. SEE CITY STD. SWR-1E THROUGH SWR-1H FOR FOOD FACILITY ENCLOSURE LAYOUTS WITHOUT GREASE/OIL TANKS.

4. SEE CITY STD. SWR-1I THROUGH SWR-1L FOR FOOD FACILITY ENCLOSURE LAYOUTS WITH OIL/GREASE TANKS.

5. TRASH ENCLOSURES SHALL BE IN COMPLIANCE WITH STORM WATER QUALITY CONTROL ORDINANCE 8.36.00.

6. FOOD FACILITIES THAT GENERATE COOKING OIL AND GREASE FOR DISPOSAL MUST COLLECT OIL AND GREASE IN A SEPARATE CONTAINER DESIGNED SPECIFICALLY FOR THE COLLECTION OF THESE TWO ITEMS.

7. DISPOSAL OF OIL AND GREASE IN A MUNICIPAL SOLID WASTE COLLECTION CONTAINER IS NOT ALLOWED.


9. THE AREA DIRECTLY IN FRONT OF THE ENCLOSURE GATES SHALL HAVE "NO PARKING" PAINTED ON THE GROUND. THE LETTERS SHALL BE A MINIMUM OF 18-INCHES IN HEIGHT.

10. SEE CITY STD. SWR-2 FOR ENCLOSURE SIGNAGE REQUIREMENTS.

11. GATES TO BE SOLID METAL WITH OUTSIDE HANDLES ON EACH DOOR AND A SLIDE LATCH TO SECURE THE DOORS.

12. BOLTS, NOT SCREWS, SHALL BE USED TO SECURE GATE TO POLES OR WALLS.

13. PROVIDE MEANS TO SECURE GATE DOORS BOTH OPENED AND CLOSED. E.G. CANE BOLT WITH SLEEVE AND SLIDE LATCH BETWEEN DOORS AND SLEEVE IN PAVEMENT. THE BOLTS SHOULD BE A MINIMUM OF 1-INCH OR DOUBLE THE SIZE OF THE BOLT TO ALLOW FLEXIBILITY. BOLT DROP SHALL BE A MINIMUM OF 4-INCHES INTO THE GROUND. IF GATES WILL NEED TO CLEAR CURBS TO OPEN FULLY THE GATES SHALL BE A MINIMUM OF 8-INCHES ABOVE FINISHED GRADE.

14. GATES SHALL REMAIN CLOSED UNLESS IN USE AND MUST OPEN TO AT LEAST 110 DEGREES AND BE ABLE TO BE SECURED OPEN.

15. A SEPARATE PEDESTRIAN ENTRANCE WITH A DOOR IS REQUIRED FROM THE BACK OR THE SIDE FOR BOTH NON-RESIDENTIAL FACILITIES AND RESIDENTIAL MULTI-FAMILY COMPLEX DEVELOPMENTS.

16. STRESS CONCRETE APRON SHALL MATCH THE WIDTH OF THE ENCLOSURE OPENING AS SHOWN. THE APRON STRUCTURAL SECTION SHALL BE AS SHOWN OR EVIDENCE THAT CONSTRUCTION SPECIFICATIONS ARE ENGINEERED TO WITHSTAND A MINIMUM 20,000 LBS. OF DIRECT DOWNWARD FORCE FROM A SINGLE TRUCK AXLE SHALL BE PROVIDED. APRON SURFACE SHALL BE THE SAME ELEVATION AS THE ENCLOSURE PAD THRESHOLD AND THE SURROUNDING SURFACES. APRON SHALL EXTEND MINIMUM OF 8-FT FOR ENCLOSURES WITHOUT ROOFS AND 10-FT FOR ENCLOSURES WITH ROOFS.

17. FOR FOOD FACILITIES A GRADE BREAK LINE SHALL BE CONSTRUCTED ON THE INSIDE EDGE OF THE WALL WITH THE SLAB SLOPING INWARDS ON THE INSIDE OF THE STRUCTURE AND AWAY FROM THE STRUCTURE ON THE OUTSIDE.

18. FOR NON FOOD FACILITY ENCLOSURES THE GRADE OF ENCLOSURE PADS SHALL BE FLAT SUCH THAT NO STORMWATER SHALL ESCAPE THE ENCLOSURE IF COMMINGLED WITH MUNICIPAL SOLID WASTE.

19. WOOD OR RUBBER BUMPERs ALONG THE BACK WALL IS REQUIRED TO PREVENT DAMAGE TO THE ENCLOSURE DURING SERVICING OF BINS OR COMPACTORS.

20. IF LARGE-SIZED STATIONARY BINS ARE USED THE BIN MUST BE DIRECTLY ACCESSIBLE BY COLLECTION TRUCKS. SEE CITY STD. SWR-3 FOR TRUCK ACCESS REQUIREMENTS.

21. GATES SHALL BE FREE STANDING WITH NO CENTER POLE. A CENTER POLE MAY BE INCLUDED AT THE DISCRETION OF THE SOLID WASTE & RECYCLING DIVISION. REQUIRED CLEARANCES SHALL BE PROVIDED FOR DIRECT ACCESS TO BINS.

22. BOLLARDS OR OTHER PERMANENT OR SEMI-PERMANENT STRUCTURES SHALL NOT BE USED WITHIN THE ENCLOSURE. THESE STRUCTURES REDUCE THE USEABLE INTERIOR CONTAINER SPACE AND ACCESSIBILITY.

23. ALL ENCLOSURES SHALL MEET REQUIREMENTS AS OUTLINED IN THE SOLID WASTE, RECYCLABLE MATERIALS, AND COMPOSTABLES ENCLOSURE STANDARDS. THE LAYOUTS SHOWN IN STD SWR-1A THROUGH SWR-1M ARE PROVIDED FOR GUIDANCE AND MAY NEED MODIFICATION BASED ON UNIQUE PROJECT SITE CHARACTERISTICS. ALL PROPOSED ENCLOSURES SHALL BE PROVIDED TO THE SOLID WASTE & RECYCLING DIVISION FOR REVIEW AND COMMENT.
NOTES

1. GRADE OF ENCLOSURE PADS SHALL BE FLAT SUCH THAT NO STORMWATER SHALL ESCAPE THE ENCLOSURE IF COMMINGLED WITH MUNICIPAL SOLID WASTE.

2. COMPOST COLLECTION WILL BE REQUIRED PER SB1383 EFFECTIVE JANUARY 2022.
NOTES

1. GRADE OF ENCLOSURE PADS SHALL BE FLAT SUCH THAT NO STORMWATER SHALL ESCAPE THE ENCLOSURE IF COMMINGLED WITH MUNICIPAL SOLID WASTE.

2. FOR ENCLOSURES WITH NO ROOF. FOR ENCLOSURES WITH ROOF BINS SHALL BE PLACED MAXIMUM 8" FROM VEHICLE ACCESS DOORWAY. ENCLOSURES WITH ROOFS SHALL ACCOUNT FOR VERTICAL CLEARANCES REQUIRED FOR OPENING LIDS OF BINS WITHIN ENCLOSURE.

3. COMPOST COLLECTION WILL BE REQUIRED PER SB1383 EFFECTIVE JANUARY 2022.
ACCESSIBLE PEDESTRIAN GATE

TRUCK SERVICE ENTRY GATES SHALL OPEN TO 110°

24" MAX (SEE NOTE 2)

8'(MIN.)

STRESS APRON CONCRETE PAD

NOTES

1. GRADE OF ENCLOSURE PADS SHALL BE FLAT SUCH THAT NO STORMWATER SHALL ESCAPE THE ENCLOSURE IF COMMINGLED WITH MUNICIPAL SOLID WASTE.

2. FOR ENCLOSURES WITH NO ROOF. FOR ENCLOSURES WITH ROOF BINS SHALL BE PLACED MAXIMUM 8" FROM VEHICLE ACCESS DOORWAY. ENCLOSURES WITH ROOFS SHALL ACCOUNT FOR VERTICAL CLEARANCES REQUIRED FOR OPENING LIDS OF BINS WITHIN ENCLOSURE.

3. COMPOST COLLECTION WILL BE REQUIRED PER SB1383 EFFECTIVE JANUARY 2022.
1. Grade of enclosure pads shall be flat such that no stormwater shall escape the enclosure if commingled with municipal solid waste.

2. For enclosures with no roof. For enclosures with roof bins shall be placed maximum 8" from vehicle access doorway. Enclosures with roofs shall account for vertical clearances required for opening lids of bins within enclosure.

3. Compost collection will be required per SB1383 effective January 2022.

NOTES

CITY OF NAPA

UTILITIES DEPARTMENT

DRAWN BY: DEH
APPROVAL DATE: 01/06/22
APPROVED BY: KM
SCALE: NONE
REVISED DATE: 09/2021
DRAWING NO.: SWR-1D

LARGE BIN ENCLOSURE LAYOUT (EXHIBIT D)
NOTES

1. DRAIN CONNECTION TO NAPA SANITATION DISTRICT REQUIRED. SEE NAPA SANITATION DISTRICT STANDARDS FOR REQUIREMENTS.

2. COMPOST COLLECTION WILL BE REQUIRED PER SB1383 EFFECTIVE JANUARY 2022.

DETAIL PROVIDED TO SHOW GENERAL LAYOUT AND DIMENSIONS OF AN EXTRA SMALL FOOD ENCLOSURE. SEE DETAILS SWR-1 AND SWR-1.1 FOR ADDITIONAL ENCLOSURE INFORMATION AND NOTES.
NOTES

1. DRAIN CONNECTION TO NAPA SANITATION DISTRICT REQUIRED. SEE NAPA SANITATION DISTRICT STANDARDS FOR REQUIREMENTS.
NOTES

1. GRADE OF ENCLOSURE PADS SHALL BE FLAT SUCH THAT NO STORMWATER SHALL ESCAPE THE ENCLOSURE IF COMMINGLED WITH MUNICIPAL SOLID WASTE.

2. FOR ENCLOSURES WITH NO ROOF, FOR ENCLOSURES WITH ROOF BINS SHALL BE PLACED MAXIMUM 8" FROM VEHICLE ACCESS DOORWAY. ENCLOSURES WITH ROOFS SHALL ACCOUNT FOR VERTICAL CLEARANCES REQUIRED FOR OPENING LIDS OF BINS WITHIN ENCLOSURE.
**NOTES**

1. **GRADE OF ENCLOSURE PADS SHALL BE FLAT SUCH THAT NO STORMWATER SHALL ESCAPE THE ENCLOSURE IF COMMINGLED WITH MUNICIPAL SOLID WASTE.**

2. **FOR ENCLOSURES WITH NO ROOF, FOR ENCLOSURES WITH ROOF BINS SHALL BE PLACED MAXIMUM 8" FROM VEHICLE ACCESS DOORWAY. ENCLOSURES WITH ROOFS SHALL ACCOUNT FOR VERTICAL CLEARANCES REQUIRED FOR OPENING LIDS OF BINS WITHIN ENCLOSURE.**
1. DRAIN CONNECTION TO NAPA SANITATION DISTRICT REQUIRED. SEE NAPA SANITATION DISTRICT STANDARDS FOR REQUIREMENTS.
NOTES

1. DRAIN CONNECTION TO NAPA SANITATION DISTRICT REQUIRED. SEE NAPA SANITATION DISTRICT STANDARDS FOR REQUIREMENTS.

DETAIL PROVIDED TO SHOW GENERAL LAYOUT AND DIMENSIONS OF A SMALL FOOD/OIL ENCLOSURE. SEE DETAILS SWR-1 AND SWR-1.1 FOR ADDITIONAL ENCLOSURE INFORMATION AND NOTES.

CITY OF NAPA

UTILITIES DEPARTMENT

TITLE
SMALL FOOD/OIL ENCLOSURE LAYOUT (EXHIBIT J)

DRAWN BY: DEH
APPROVAL DATE: 01/06/22
SCALE: NONE
REVISED DATE: 09/2021

CHECKED BY: SL
APPROVED BY: KM
DRAWING NO. SWR-1J
NOTES

1. GRADE OF ENCLOSURE PADS SHALL BE FLAT SUCH THAT NO STORMWATER SHALL ESCAPE THE ENCLOSURE IF COMMINGLED WITH MUNICIPAL SOLID WASTE.

2. FOR ENCLOSURES WITH NO ROOF. FOR ENCLOSURES WITH ROOF BINS SHALL BE PLACED MAXIMUM 8" FROM VEHICLE ACCESS DOORWAY. ENCLOSURES WITH ROOFS SHALL ACCOUNT FOR VERTICAL CLEARANCES REQUIRED FOR OPENING LIDS OF BINS WITHIN ENCLOSURE.
NOTES

1. GRADE OF ENCLOSURE PADS SHALL BE FLAT SUCH THAT NO STORMWATER SHALL ESCAPE THE ENCLOSURE IF COMMINGLED WITH MUNICIPAL SOLID WASTE.

2. FOR ENCLOSURES WITH NO ROOF, FOR ENCLOSURES WITH ROOF BINS SHALL BE PLACED MAXIMUM 8" FROM VEHICLE ACCESS DOORWAY. ENCLOSURES WITH ROOFS SHALL ACCOUNT FOR VERTICAL CLEARANCES REQUIRED FOR OPENING LIDS OF BINS WITHIN ENCLOSURE.
NOTES

1. GRADE OF ENCLOSURE PADS SHALL BE FLAT SUCH THAT NO STORMWATER SHALL ESCAPE THE ENCLOSURE IF COMINGLED WITH MUNICIPAL SOLID WASTE.

2. FOR ENCLOSURES WITH NO ROOF. FOR ENCLOSURES WITH ROOF, SEE CITY STD. SWR-1M.2, BINS SHALL BE PLACED MAXIMUM 8" FROM VEHICLE ACCESS DOORWAY. ENCLOSURES WITH ROOFS SHALL ACCOUNT FOR VERTICAL CLEARANCES REQUIRED FOR OPENING LIDS OF BINS WITHIN ENCLOSURE.

DETAIL PROVIDED TO SHOW GENERAL LAYOUT AND DIMENSIONS OF A SMALL BIN ENCLOSURE. SEE DETAILS SWR-1 AND SWR-1.1 FOR ADDITIONAL ENCLOSURE INFORMATION AND NOTES.
1. Grade of enclosure pads shall be flat such that no stormwater shall escape the enclosure if commingled with municipal solid waste.

2. Enclosures with roofs shall account for vertical clearances required for opening lids of bins within enclosure.

NOTES

1. Grade of enclosure pads shall be flat such that no stormwater shall escape the enclosure if commingled with municipal solid waste.

2. Enclosures with roofs shall account for vertical clearances required for opening lids of bins within enclosure.
1. "NO PARKING" SIGNS SHALL EITHER BE INSTALLED PERMANENTLY AFFIXED TO EACH GATE OR PAINTED ON EACH GATE IN LETTERS NO SMALLER THAN 6-INCHES IN HEIGHT.

2. A MINIMUM 12-INCH BY 18-INCH SIGN WITH A MINIMUM 1-INCH LETTERING INDICATED CONTACT INFORMATION FOR THE PROPERTY OWNER AND/OR MANAGEMENT COMPANY RESPONSIBLE FOR MAINTENANCE OF THE ENCLOSURE AREA (NAME/PHONE NUMBER) SHALL BE PERMANENTLY AFFIXED TO ONE OF THE FRONT GATES OF THE ENCLOSURE.

3. SIGNS ARE TO BE MAINTAINED BY THE PROPERTY OWNER.

4. SIGNS ARE TO BE POSTED SO THE BOTTOM OF THE SIGN IS A MINIMUM OF 48-INCHES ABOVE GROUND LEVEL.
NOTES
1. MINIMUM REQUIRED DRIVE APPROACH AREA SHALL PROVIDE CLEAR ACCESS FOR GARBAGE TRUCKS. SEE CITY STANDARD DETAIL SWR-4 FOR COLLECTION CLEARANCES.

2. A MINIMUM OF 50 FEET IS REQUIRED FOR ACCESS TO TRASH ENCLOSURE BINS. A MINIMUM OF 75 FEET IS REQUIRED FOR ACCESS TO COMPACTORS AND ROLL-OFF BOXES. SEE CITY STANDARD DETAIL SWR-4 FOR COLLECTION CLEARANCES.

3. ACCESS AREA TO ENCLOSURE SHALL BE CAPABLE OF WITHSTANDING VEHICLE WEIGHTS EXCEEDING 60,000 POUNDS.

4. THE TURNING RADIUS SHALL BE ADEQUATE FOR A 3-AXLE TRUCK. A DETAIL OF THE TURNING RADIUS SHALL BE PROVIDED ON PLANS SUBMITTED.
NOTES

1. A minimum of 50 feet is required for access to trash enclosure bins. A minimum of 75 feet is required for access to compactors and roll-off containers.

2. Roll-off box collection located at a loading dock must have bumper pads installed to avoid undue dock damage from the heavy container.

3. Roll-off containers shall be placed on a level surface.

4. Contact the city's authorized contractor at (707) 255-5200 for an on site placement inspection and before installing any loading dock bumper rails.

5. All compactors must have 28 inches inside rail dimensions and 34 inches exterior rail dimensions.

6. Compactors may require an electrical outlet.

7. Compactors must be leak proof to prevent discharge into the city's storm drain system.

8. Contact the city's authorized contractor at (707) 255-5200 prior to purchasing, renting, or installing a compactor to ensure servicing compatibility with hauling vehicles.

9. Compactors placed inside a building shall provide minimum clearances as outlined above.
1. **ONE-WAY STREETS WITH CART SERVICING SHALL BE A MINIMUM OF 18- FEET WIDE AND ALLOW SERVICING ON THE RIGHT SIDE OF THE ROADWAY.**

2. **CARTS SHOULD NOT OBSTRUCT BIKE LANES OR SIDEWALKS.**

3. **SPACE SHALL BE PROVIDED TO ALLOW PLACEMENT OF CARTS AT LEAST TWO FEET AWAY FROM OTHER CARTS AND FOUR TO SIX FEET FROM OTHER OBJECTS (E.G. CARS, TREES).**