

CITY OF LATHROP

Department of Public Works

DESIGN & CONSTRUCTION

Standard Details



July 2024

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CITY OF LATHROP	5/8"
DRAWING TITLE	1 3/16"
PROJECT TITLE	3 1/4"
NAME OF ENGINEERING FIRM ETC.	1 7/16"
BY: _____ R.C.E. _____	
DATE: _____	
5 1/2"	

CITY OF LATHROP ENGINEERING
APPROVED BY: _____ DATE: _____ City Engineer RCE NO: _____ EXP DATE: _____
LATHROP - MANTECA FIRE DISTRICT
APPROVED BY: _____ DATE: _____ Fire Marshal
CITY OF LATHROP COMMUNITY DEVELOPMENT DEPARTMENT
APPROVED BY: _____ DATE: _____ Community Development Director
CITY OF LATHROP PARKS AND RECREATION DEPARTMENT
APPROVED BY: _____ DATE: _____ Parks and Recreation Director

Notes:
1. Use blocks as applicable

NOT TO SCALE

Approved by:		
City of Lathrop City Engineer		
No	Revised	Date

CITY OF LATHROP
DEPARTMENT OF PUBLIC WORKS

SIGNATURE BLOCKS I

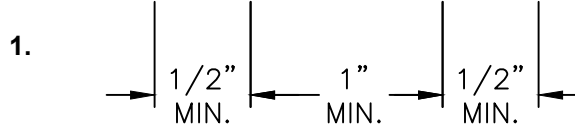
**STANDARD
DETAIL**

Date: **JULY 2024**

Drawing No:
G-1

TYPICAL TITLE AND APPROVAL BLOCK FOR IMPROVEMENT PLANS

REVISIONS	NO.	DESCRIPTION	CHECKED BY	CITY APPROVAL	
				APPROVED BY	DATE



PLAN REVISION BLOCK

NOTE

1. To be placed on all sheets which include a revision.

NOT TO SCALE

Approved by:		
City of Lathrop City Engineer		
No	Revised	Date

CITY OF LATHROP
DEPARTMENT OF PUBLIC WORKS



SIGNATURE BLOCKS II

**STANDARD
DETAIL**

Date: **JULY 2024**







Drawing No:

G-2

DRAFTING STANDARDS

All Final Maps, Parcel maps, Records of Surveys, Improvement Plans, or Construction Drawings submitted to the City for revision and approval shall conform to and be prepared in accordance with the following standards:

1. All lettering shall be a minimum of 0.1 inches (2.5mm) height using a 0.35mm pen. Vertical or slanted lettering may be used.
2. Final Maps, etc.

Subdivision Outline		0.80mm line width
Block Outline		0.60mm line width
Lot Lines		0.50mm line width
Easement Lines		0.35mm line width
Street Center Lines		0.35mm line width
Radial Bearing Lines		0.25mm Line width
Monument Set	•	
Monument Set in Cast Iron Box	⊙ M	
Monument Found	○	
Monument Found in Cast Iron Box	⊙	

Letters, size, style, and pen

Street names	MAIN	0.175-in (4.5mm), solid, 0.50mm pen
Lot Numbers	44	0.175-in (4.5mm), solid, 0.50mm pen
Bearing, Distances, Curve Data, Coordinates, etc.	N45°E 50.00'	0.100-in (2.5mm), solid, 0.35mm pen
Adjacent Subdivisions and Lot Numbers		0.175-in (4.5mm), shadow, 0.35mm pen

NOT TO SCALE

Approved by:		
		
City of Lathrop City Engineer		
No	Revised	Date

CITY OF LATHROP
DEPARTMENT OF PUBLIC WORKS
DRAFTING
STANDARDS I



STANDARD
DETAIL

Date: **JULY 2024**
Drawing No:
G-3

DESCRIPTION

TO BE CONSTRUCTED

EXISTING

SANITARY SEWER		
STORM DRAIN		
WATER LINE		
GAS LINE		
TELEPHONE		
CABLE TELEVISION		
WATER VALVE		
GAS VALVE		
S.S. SERVICE LATERAL		
S.S. CLEANOUT		
MANHOLE		
FIRE HYDRANT		
CATCH BASIN		
GAS METER		
WATER METER		
SIGN		
CURB, GUTTER AND SIDEWALK		
WHEELCHAIR RAMP		
DRIVEWAY		
CONFORM PAVEMENT		
RAILROAD		
BARRICADE		
GUARD RAIL		
FENCE		

NOT TO SCALE

Approved by:		
City of Lathrop City Engineer		
No	Revised	Date

CITY OF LATHROP
DEPARTMENT OF PUBLIC WORKS

**DRAFTING
STANDARDS II**



**STANDARD
DETAIL**

Date: **JULY 2024**



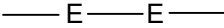
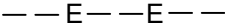





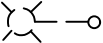
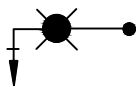
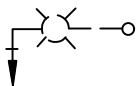
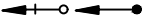
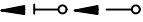

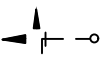


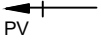
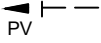








Drawing No:

G-4

DESCRIPTION

TO BE CONSTRUCTED

EXISTING

UTILITY POLE		
ELECTRICAL CONDUIT		
PULL BOX		
PULL BOX WITH DETECTOR STUB IN CONDUIT		
STREET LIGHT		
COMBINATION TRAFFIC SIGNAL WITH BACKPLATE & LUMINAIRE		
VEHICLE SIGNAL WITH AND WITHOUT BACKPLATE		
COMBINATION TRAFFIC SIGNAL, RED/AMBER/GREEN ARROW, AND BACKPLATE		
MASTARM SIGNAL WITH STREET NAME SIGN		
PROGRAMMED VISIBILITY HEAD WITH BACKPLATE		
PEDESTRIAN SIGNAL FACE		
PEDESTRIAN PUSH BUTTON AND ASSOCIATED VEHICLE PHASE	PPB Ø 6	PPB Ø 6
INDUCTIVE DETECTOR LOOP		
TRAFFIC SIGNAL CONTROLLER CABINET WITH DOOR SWING AS SHOWN		
TYPE III OR III M SERVICE CABINET WITH DOOR SWING AS SHOWN		

NOT TO SCALE

Approved by:		
		
City of Lathrop City Engineer		
No	Revised	Date

CITY OF LATHROP
DEPARTMENT OF PUBLIC WORKS
DRAFTING
STANDARDS III

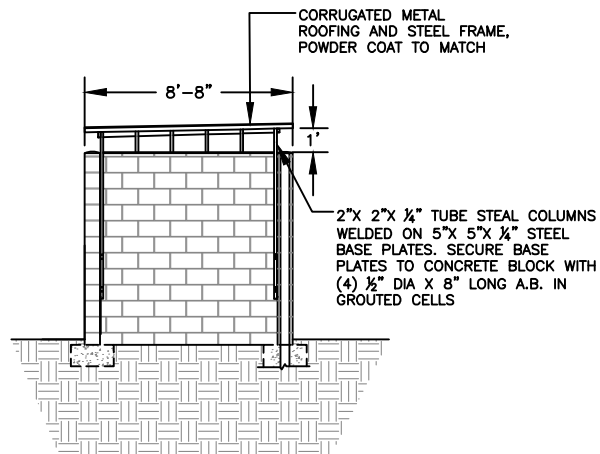
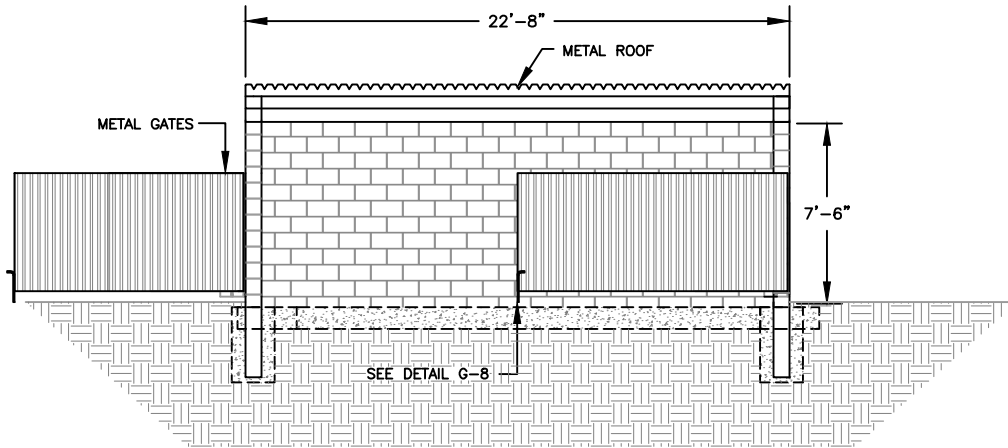
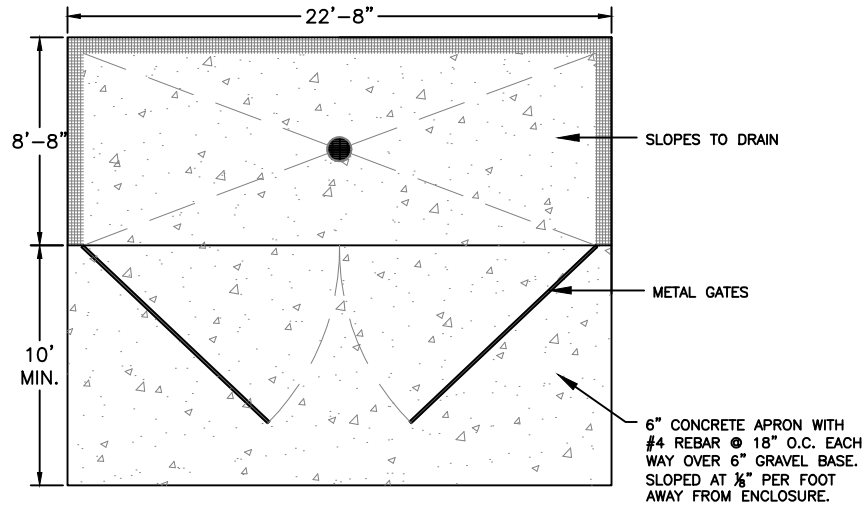


**STANDARD
DETAIL**

Date: **JULY 2024**

Drawing No:

G-5



NOT TO SCALE

Approved by:



City of Lathrop
City Engineer

No	Revised	Date

CITY OF LATHROP
DEPARTMENT OF PUBLIC WORKS

**SOLID WASTE
ENCLOSURE I**

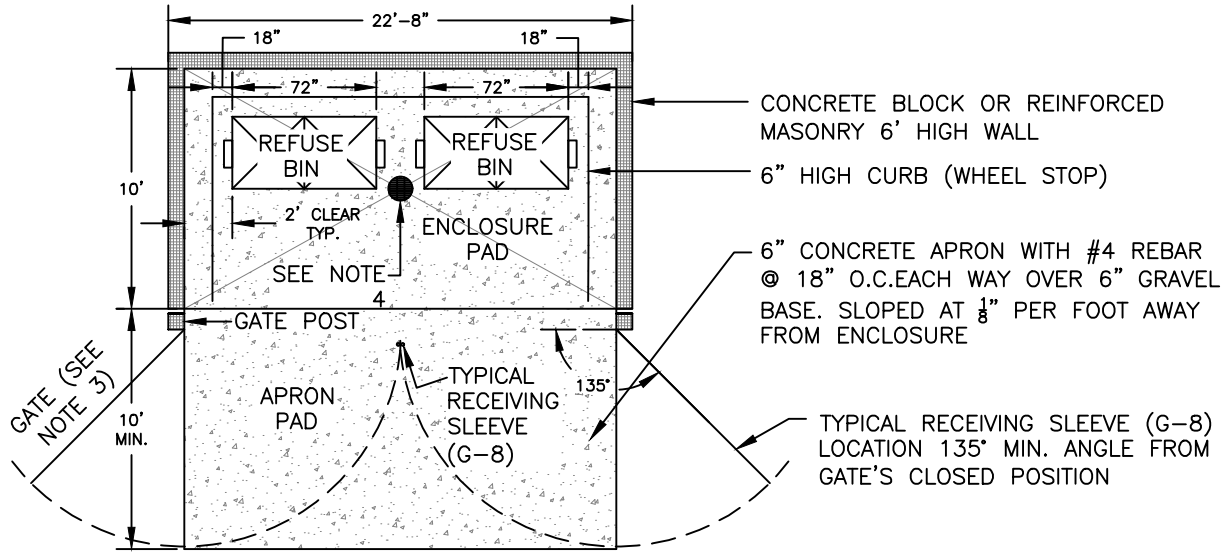


**STANDARD
DETAIL**

Date: **JULY 2024**

Drawing No:

G-6



DOUBLE BIN ENCLOSURE

NOTES:

1. A minimum of 32' vertical and 50' horizontal clearance over the entire approach to and from the enclosure shall be provided.
2. Gates shall be solid metal with cane boltes/sleeve (see G-8) in the open and closed position. Each gate, with a maximum total span of 16' shall swing open a min. of 135° from closed position. Hung gates shall have a 4" clearance off the finished pad or apron and surrounding curb.
3. The exterior finish of the enclosure shall comply with standard conditions of approval for commercial and industrial projects. No enclosure shall be installed behind parking spaces.
4. If use includes fats, oils, or greases, trash enclosure shall drain to an interior sewer inlet and grease interceptor. If not, trash enclosure shall be graded such that storm water flows to the exterior of the enclosure to an existing storm system or pervious surface.
5. At a minimum, all trash enclosures shall consist of three solid walls, a gate, and a roof.
6. Trash enclosure width and depth will depend on bin size and enclosure use.

NOT TO SCALE

Approved by:		
City of Lathrop City Engineer		
No	Revised	Date

CITY OF LATHROP
DEPARTMENT OF PUBLIC WORKS

**SOLID WASTE
ENCLOSURE II**



**STANDARD
DETAIL**

Date: **JULY 2024**

Drawing No:

G-7

5/8" DOOR HANDLE (ONE ON THE OTHER OUTSIDE OF EACH DOOR)

RECEIVING SLEEVE 1.5" MIN. I.D. STEEL PIPE (SEE NOTE)

5/8" STOP PIN

SLIDE BOLT SUPPORT (3/16" METAL PLATE)

3/4" STEEL SLIDE BOLT WITH 5/8" O.D. WELDED STOP PIN

LOCK HASP

1.5" I.D. PIPE SECTIONS WELDED TO SLIDE BOLTS SUPPORT AND FRAME

SLIDE BOLT DETAIL

NOTE:

1. Bolts shall be min 3/4". sleeves on pipes shall be min. 1.5" or twice the bolt diameter.
2. Outside operating range for cane bolts must be between 24" and 32" from the ground.
3. Cane bolt must be mounted on the outside of door.

STOP BOLT REST (1)

1.5" I.D. SECTIONS WELDED TO CANE BOLT SUPPORT

CANE BOLT SUPPORT (3/16" METAL PLATE)

3/4" STEEL CANE BOLT

CONCRETE

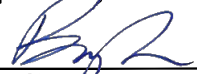
DIRT OR GRAVEL

RECEIVING SLEEVE 1.5" MIN. I.D. STEEL PIPE 5" DEEP (SEE NOTE)

CANE BOLT DETAIL

NOT TO SCALE

Approved by:



City of Lathrop
City Engineer

No	Revised	Date

CITY OF LATHROP
DEPARTMENT OF PUBLIC WORKS
SOLID WASTE ENCLOSURE
BOLT DETAILS

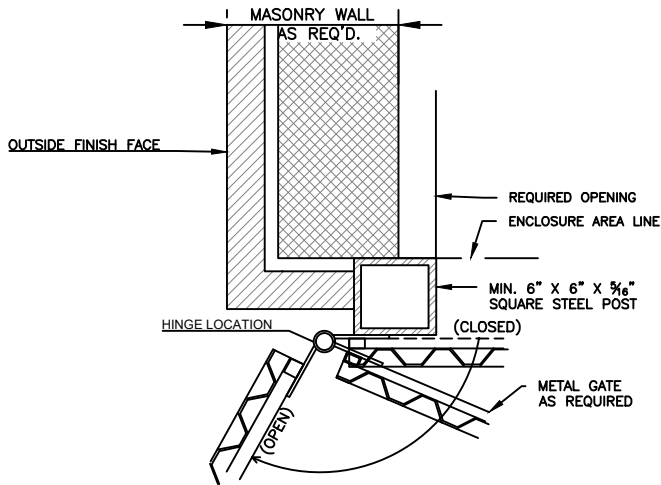


STANDARD
DETAIL

Date: **JULY 2024**

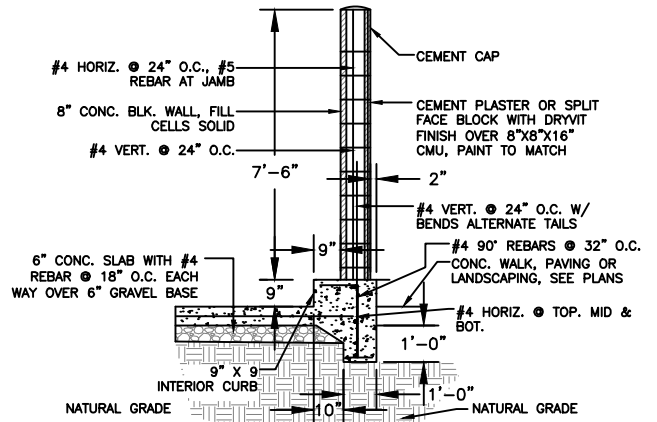
Drawing No:

G-8

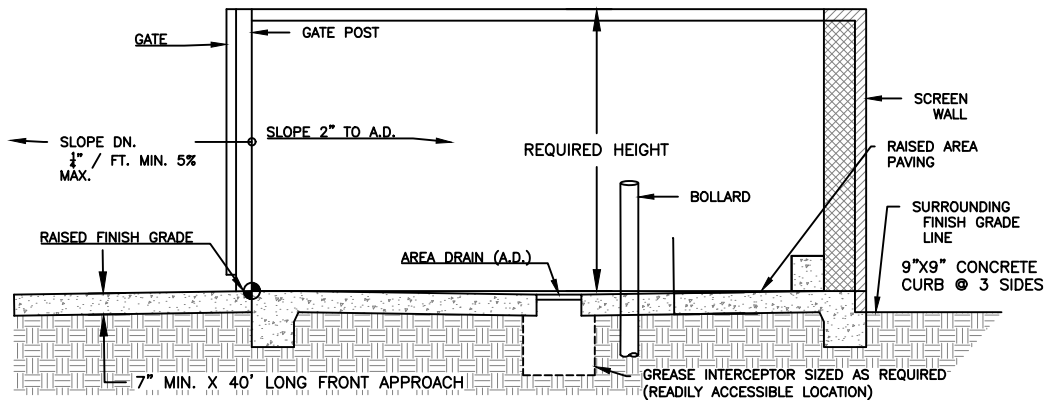


GATE POST PLAN DETAIL

SCALE: 1 1/2" = 1'-0"



WALL CROSS SECTION



ENCLOSED AREA CROSS SECTION

NOT TO SCALE

Approved by:

[Signature]
 City of Lathrop
 City Engineer

No	Revised	Date

CITY OF LATHROP
 DEPARTMENT OF PUBLIC WORKS

**SOLID WASTE ENCLOSURE
 DETAILS**



**STANDARD
 DETAIL**

Date: **JULY 2024**

Drawing No:

G-9