



24" MANHOLE FRAME AND COVER NON LOCKING TYPE



REVISIONS			
No.	DATE	No.	DATE

[Signature]
CITY ENGINEER

9/27/23
DATE

[Signature]
DIRECTOR OF PUBLIC WORKS

10/12/23
DATE

STANDARD DETAIL
630
SHEET 1 OF 2

DEPARTMENT OF PUBLIC WORKS

NOTES:

1. THE CAST IRON USED AND COATING SHALL CONFORM TO ASTM A-48 CLASS 35B
2. COVERS SHALL BE CAST WITH THE LETTER "D" FOR STORM DRAINS AND "S" FOR SEWERS, AND THE AGENCY'S IDENTIFICATION IN ACCORDANCE WITH INSTRUCTIONS FURNISHED BY THE AGENCY. THE LETTER "D" OR "S" SHALL BE APPROXIMATELY 65 MM (2-1/2") HIGH WITH 15MM (1/2") LINE WIDTH, AND PLACED IN THE CENTER OF THE COVER. ALL LETTERS SHALL BE FLUSH WITH THE FINISHED SURFACE OF THE COVER.
3. FOUNDRY IDENTIFYING MARK, HEAT AND DATE SHALL BE CAST ON THE BOTTOM OF THE COVER AND ON THE INSIDE OF THE FRAME.
4. WEIGHT OF FRAME SHALL BE 118 KG (260 LBS). WEIGHT OF COVER SHALL BE 79 KG (175 LBS). ACTUAL WEIGHTS SHALL BE WITHIN A RANGE OF 95% TO 110%.
5. THE PROOF-LOAD FOR TEST METHOD B OF SSPWC 206-3.2 IS 180 KN (40,700 LBS).
6. IMPORTED COVERS AND FRAMES SHALL HAVE THE COUNTRY OF ORIGIN MARKING IN COMPLIANCE WITH FEDERAL REGULATIONS. CONTRACTOR SHALL IDENTIFY COUNTRY OF ORIGIN IN SUBMITTALS. ALL PROJECTS WITH BUY AMERICA REQUIREMENTS SHALL NOT USE IMPORTED COVERS AND FRAMES.
7. THE FRAME AND COVER SHALL BE COATED WITH ASPHALTUM OR BITUMINOUS PAINT AFTER TESTING AND INSPECTION.
8. A CERTIFICATE OF COMPLIANCE FROM THE SUPPLIER CONFORMING TO SSPWC 4-5 PRIOR TO SHIPPING OF THE MANHOLE FRAME AND COVER SHALL BE SUBMITTED TO THE ENGINEER.
9. COVERS FOR MANHOLES LOCATED IN EASEMENTS, ALLEYS, PARKWAYS AND ALL PLACES OTHER THAN PAVED STREETS SHALL BE PROVIDED WITH SOCKET-SET SCREW LOCKING DEVICES. DRILL AND TAP TWO HOLES TO A DEPTH OF 1" AT 90 DEGREES TO PICK HOLE AND INSTALL 3/4"x3/4" 316 STAINLESS STEEL SOCKET-SET SCREWS WITH 3/8" RECESSED HEX HEAD. ALL THREADS SHALL BE UNIFIED NATIONAL COARSE (UNC).

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