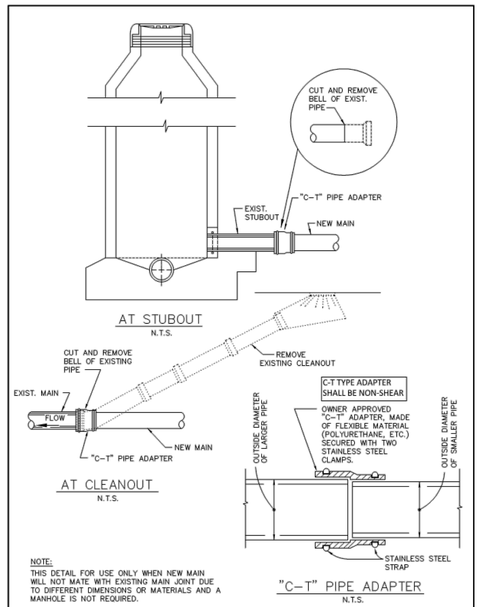
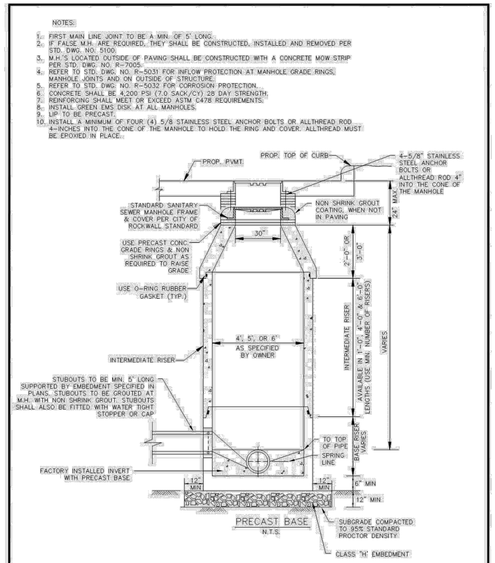


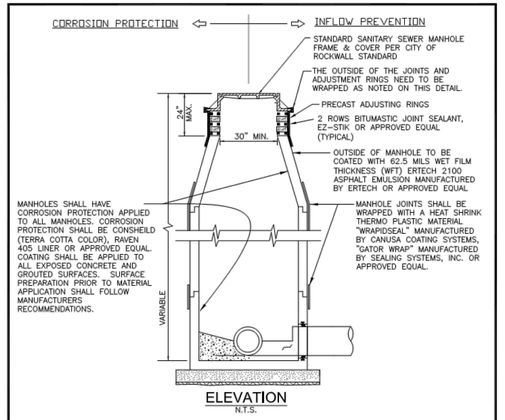
NOTE:
THIS DETAIL FOR USE ONLY WHEN NEW MAIN WILL NOT MATE WITH EXISTING MAIN JOINT DUE TO DIFFERENT DIMENSIONS OR MATERIALS AND A MANHOLE IS NOT REQUIRED.

WASTEWATER MAIN TIE-IN	CITY OF ROCKWALL	STANDARD SPECIFICATION REFERENCE 502.10	
AT CLEANOUT OR M.H. STUBOUT		DATE Mar. 2018	STANDARD DRAWING NO. R-5010

NOTES:
1. FIRST MAIN LINE JOINT TO BE A MIN. OF 5' LONG.
2. IF FALSE MH'S ARE REQUIRED, THEY SHALL BE CONSTRUCTED, INSTALLED AND REMOVED PER STD. DWG. NO. 5100.
3. M.H.'S LOCATED OUTSIDE OF PAVING SHALL BE CONSTRUCTED WITH A CONCRETE MOW STRIP PER STD. DWG. NO. R-7005.
4. REFER TO STD. DWG. NO. R-5031 FOR INFLOW PROTECTION AT MANHOLE GRADE RINGS, MANHOLE JOINTS AND ON OUTSIDE OF STRUCTURE.
5. REFER TO STD. DWG. NO. R-5032 FOR CORROSION PROTECTION.
6. CONCRETE SHALL BE 4,200 PSI (7.0 SACK/CY) 28 DAY STRENGTH.
7. REINFORCING SHALL MEET OR EXCEED ASTM C478 REQUIREMENTS.
8. USE ALL GREEN ENT. DOR. AT ALL MANHOLES.
9. LIFT TO BE PRECAST.
10. INSTALL A MINIMUM OF FOUR (4) 5/8 STAINLESS STEEL ANCHOR BOLTS OR ALLTHREAD ROD 4-INCHES INTO THE CONE OF THE MANHOLE TO HOLD THE RING AND COVER. ALLTHREAD MUST BE EPOXIED IN PLACE.



WASTEWATER MANHOLE	CITY OF ROCKWALL		
PRECAST		DATE DEC '22	DRAWING NO. R-5020



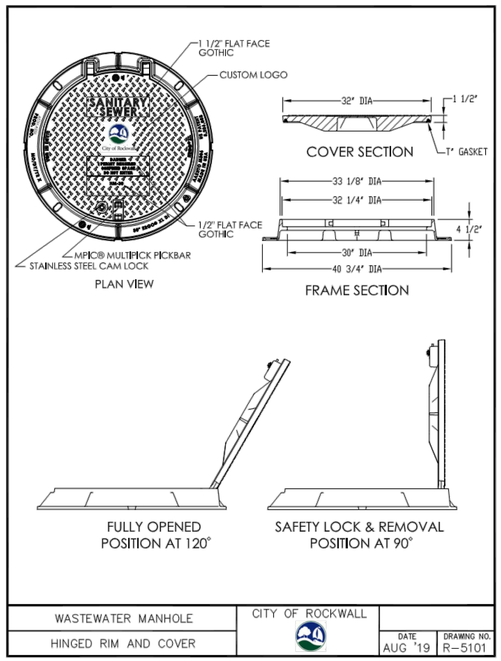
INFLOW PREVENTION NOTES:
1. REQUIRED ON ALL SANITARY SEWER MANHOLES AND LIFT STATION WET WELLS AND VALVE VAULTS.

CORROSION PREVENTION NOTES:
1. TO CORROSION PROTECTIVE COATING PROCESS, PRESSURE WASH AND CLEAN STRUCTURE. FILL BUG HOLES, JOINTS, HONEYCOMBS AND AROUND PIPE PENETRATIONS WITH A CEMENTITOUS REPAIR MATERIAL (CRM) AS NEEDED. USE STRONG SEAL MS2C MANUFACTURED BY THE STRONG COMPANY, INC. OR APPROVED EQUAL. THEN APPLY A MINIMUM OF 125 MILS (4 INCH) THICKNESS OF A POLYURETHANE COATING MATERIAL (EXISTING MANHOLES REQUIRE A MINIMUM OF 250 MILS THICKNESS OF POLYURETANE COATING MATERIAL). FOR THE POLYURETHANE COATING MATERIAL USE RAVEN 405 LINER OR APPROVED EQUAL.
2. ADDITIONAL CLEANING, PREPARATION, AND REPAIR METHODS MAY BE REQUIRED FOR EXISTING MANHOLES DEPENDING ON CONDITION ASSESSMENT OF THE MANHOLE. CONTACT ENGINEERING DIVISION FOR ADDITIONAL SPECIFICATIONS.
3. SPARK TESTING IS REQUIRED FOR COATINGS. COST FOR TESTING IS SUBSIDIARY TO OTHER BID ITEMS. CITY INSPECTOR TO BE PRESENT FOR SPARK TESTING. CONTRACTOR TO PROVIDE WRITTEN SPARK TEST RESULTS TO CITY.
4. EXISTING BRICK MANHOLES SHALL BE REPLACED.
5. REQUIRED ON ALL WASTEWATER MANHOLES AND LIFT STATION WET WELLS.

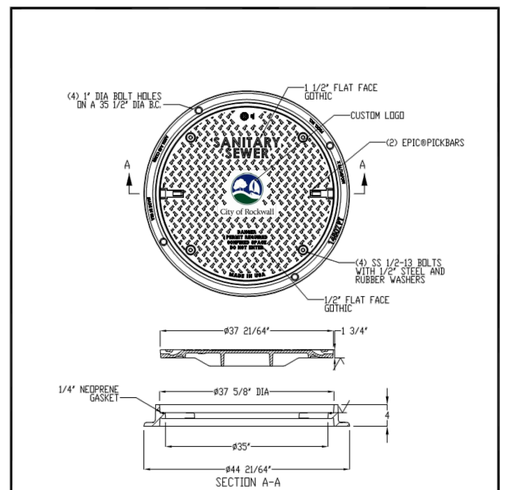
WASTEWATER MANHOLE	CITY OF ROCKWALL		
INFLOW PREVENTION & CORROSION PROTECTION		DATE AUG '19	DRAWING NO. R-5031

RELEASED FOR CONSTRUCTION
ALL RESPONSIBILITY FOR ADEQUACY OF DESIGN REMAINS WITH THE DESIGN ENGINEER. THE CITY OF ROCKWALL, IN REVIEWING AND RELEASING PLANS FOR CONSTRUCTION, ASSUMES NO RESPONSIBILITY FOR ADEQUACY OR ACCURACY OF DESIGN.

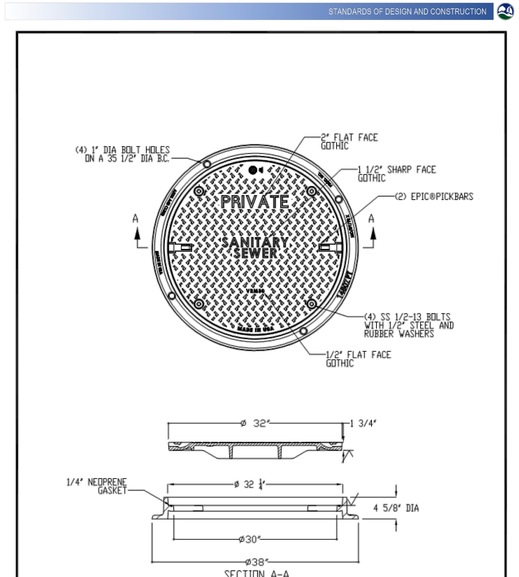
CITY _____ DATE _____



WASTEWATER MANHOLE	CITY OF ROCKWALL		
HINGED RIM AND COVER		DATE AUG '19	DRAWING NO. R-5101



WASTEWATER MANHOLE	CITY OF ROCKWALL		
BOLT AND GASKET RIM AND COVER		DATE AUG '19	DRAWING NO. R-5102



WASTEWATER MANHOLE	CITY OF ROCKWALL		
PRIVATE RIM AND COVER		DATE AUG '19	DRAWING NO. R-5103

No.	DATE	REVISION	APPROV.
1.			
2.			
3.			
4.			
5.			

LAST SAVED BY: COLUCOSA May 16, 2025

Winkelmann & Associates, Inc.
CONSULTING CIVIL ENGINEERS ■ SURVEYORS
4765 HOLLISTER PLAZA PKWY, Suite 215
DALLAS, TEXAS 75230 (972) 490-1999 FAX
Texas Engineer Registration No. F-10866-00
Texas Surveyor Registration No. 101007-00
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STATE OF TEXAS
WILLIAM R. WINKELMANN
120378
LICENSED
PROFESSIONAL ENGINEER

02-25-2025
THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY WILLIAM R. WINKELMANN, P.E. # 120378

CITY DETAILS (4)

I-30 FRONTAGE RD & FM 3549
ROCKWALL, TX

63405

C-11.03

IKEA @ ROCKWALL HEIGHTS

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