

# CONSTRUCTION PLANS CDBG-DR SEWER LINING AND RAIN PAN INSTALLATIONS

PREPARED FOR:  
CITY OF PARKER, FLORIDA

**FOR BID PURPOSES ONLY**

1	8/29/24	ADDENDUM 2
2		

## CITY COUNCIL

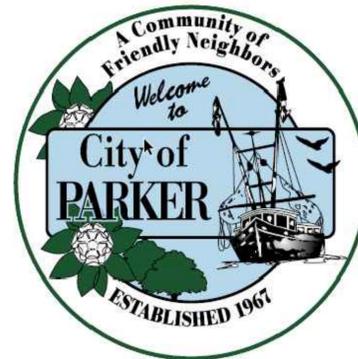
MAYOR, ANDREW KELLY

COUNCIL MEMBER/MAYOR PRO-TEM, TONYA BARROW

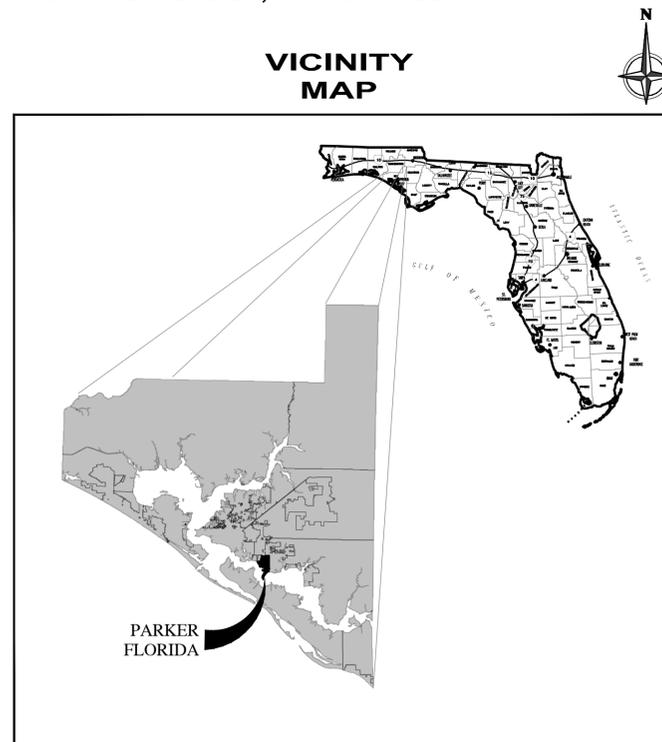
COUNCIL MEMBER, KATY BARRETT

COUNCIL MEMBER, JOHN HANEY

COUNCIL MEMBER, RON CHAPLE



VICINITY  
MAP



LOCATION  
MAP



## INDEX OF SHEETS

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DATE: 8/29/2024







BID SET

No.	Date	Revision

Designed: E. Moore, PE  
 Drawn: T. Newman  
 Checked: E. Moore, PE  
 Job No.: 1620-025  
 Date: Aug-2024 © 2024

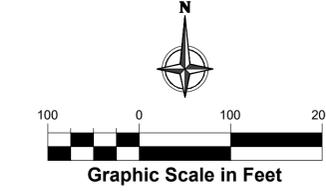
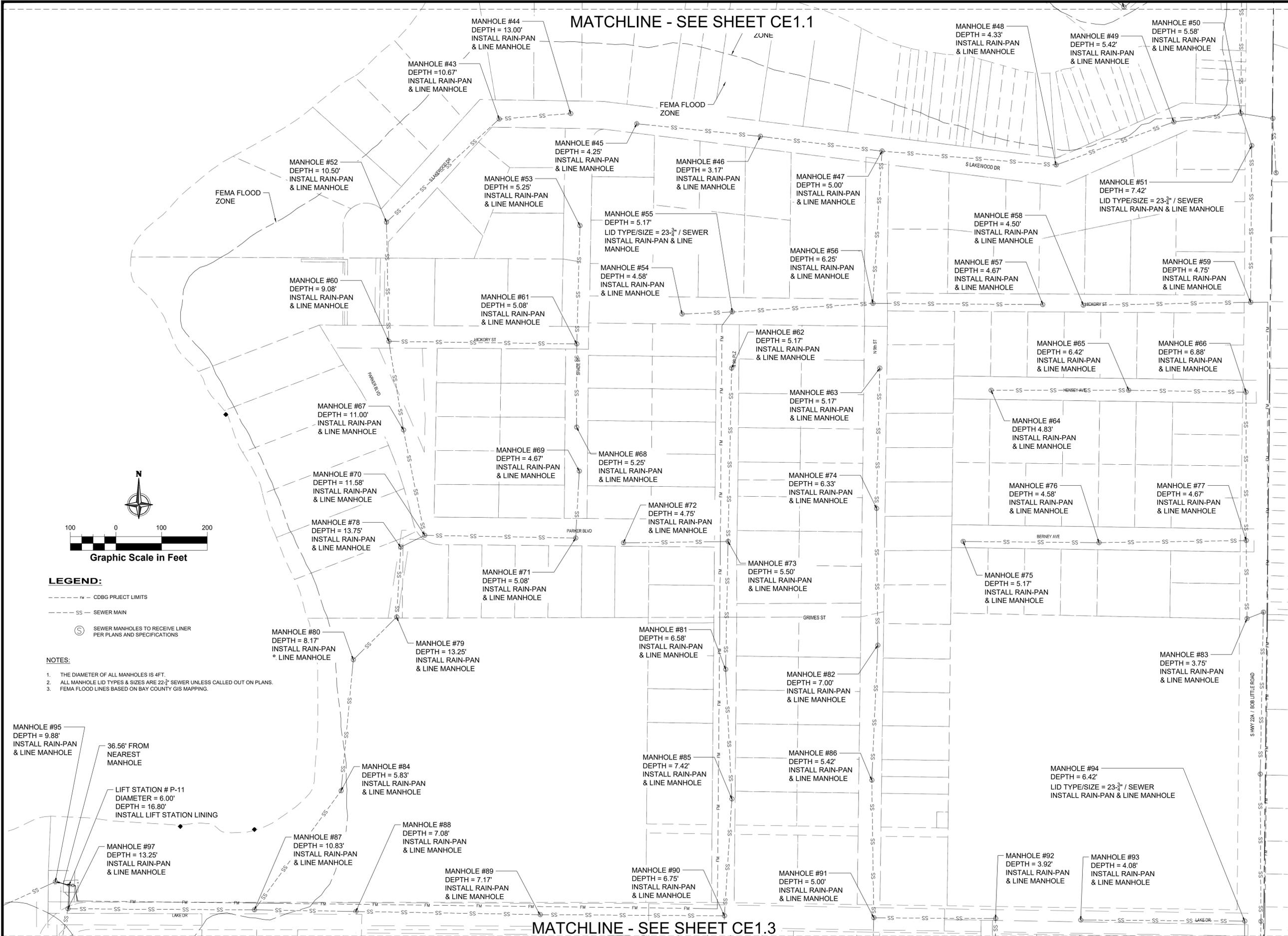
**SEWER LINING AND RAIN PAN PLAN**  
**CDBG-DR SEWER LINING AND RAIN PAN INSTALLATIONS**  
 PARKER, FLORIDA

THIS SHEET NOT VALID FOR CONSTRUCTION WITHOUT COMPLETE SET OF PLANS.

Sheet No.  
**C1.2**

MATCHLINE - SEE SHEET CE1.1

MATCHLINE - SEE SHEET CE1.3



**LEGEND:**

- FM --- CDBG PROJECT LIMITS
- SS --- SEWER MAIN
- ⊙ SEWER MANHOLES TO RECEIVE LINER PER PLANS AND SPECIFICATIONS

**NOTES:**

1. THE DIAMETER OF ALL MANHOLES IS 4FT.
2. ALL MANHOLE LID TYPES & SIZES ARE 22-3/4" SEWER UNLESS CALLED OUT ON PLANS.
3. FEMA FLOOD LINES BASED ON BAY COUNTY GIS MAPPING.

MANHOLE #95  
 DEPTH = 9.88'  
 INSTALL RAIN-PAN & LINE MANHOLE

36.56' FROM NEAREST MANHOLE

LIFT STATION # P-11  
 DIAMETER = 6.00'  
 DEPTH = 16.80'  
 INSTALL LIFT STATION LINING

MANHOLE #97  
 DEPTH = 13.25'  
 INSTALL RAIN-PAN & LINE MANHOLE

MANHOLE #87  
 DEPTH = 10.83'  
 INSTALL RAIN-PAN & LINE MANHOLE

MANHOLE #88  
 DEPTH = 7.08'  
 INSTALL RAIN-PAN & LINE MANHOLE

MANHOLE #89  
 DEPTH = 7.17'  
 INSTALL RAIN-PAN & LINE MANHOLE

MANHOLE #90  
 DEPTH = 6.75'  
 INSTALL RAIN-PAN & LINE MANHOLE

MANHOLE #91  
 DEPTH = 5.00'  
 INSTALL RAIN-PAN & LINE MANHOLE

MANHOLE #92  
 DEPTH = 3.92'  
 INSTALL RAIN-PAN & LINE MANHOLE

MANHOLE #93  
 DEPTH = 4.08'  
 INSTALL RAIN-PAN & LINE MANHOLE

MANHOLE #94  
 DEPTH = 6.42'  
 LID TYPE/SIZE = 23-3/4" / SEWER  
 INSTALL RAIN-PAN & LINE MANHOLE

MANHOLE #83  
 DEPTH = 3.75'  
 INSTALL RAIN-PAN & LINE MANHOLE

MANHOLE #82  
 DEPTH = 7.00'  
 INSTALL RAIN-PAN & LINE MANHOLE

MANHOLE #81  
 DEPTH = 6.58'  
 INSTALL RAIN-PAN & LINE MANHOLE

MANHOLE #72  
 DEPTH = 4.75'  
 INSTALL RAIN-PAN & LINE MANHOLE

MANHOLE #74  
 DEPTH = 6.33'  
 INSTALL RAIN-PAN & LINE MANHOLE

MANHOLE #62  
 DEPTH = 5.17'  
 INSTALL RAIN-PAN & LINE MANHOLE

MANHOLE #56  
 DEPTH = 6.25'  
 INSTALL RAIN-PAN & LINE MANHOLE

MANHOLE #55  
 DEPTH = 5.17'  
 LID TYPE/SIZE = 23-3/4" / SEWER  
 INSTALL RAIN-PAN & LINE MANHOLE

MANHOLE #45  
 DEPTH = 4.25'  
 INSTALL RAIN-PAN & LINE MANHOLE

MANHOLE #53  
 DEPTH = 5.25'  
 INSTALL RAIN-PAN & LINE MANHOLE

MANHOLE #46  
 DEPTH = 3.17'  
 INSTALL RAIN-PAN & LINE MANHOLE

MANHOLE #47  
 DEPTH = 5.00'  
 INSTALL RAIN-PAN & LINE MANHOLE

MANHOLE #51  
 DEPTH = 7.42'  
 LID TYPE/SIZE = 23-3/4" / SEWER  
 INSTALL RAIN-PAN & LINE MANHOLE

MANHOLE #58  
 DEPTH = 4.50'  
 INSTALL RAIN-PAN & LINE MANHOLE

MANHOLE #57  
 DEPTH = 4.67'  
 INSTALL RAIN-PAN & LINE MANHOLE

MANHOLE #59  
 DEPTH = 4.75'  
 INSTALL RAIN-PAN & LINE MANHOLE

MANHOLE #60  
 DEPTH = 9.08'  
 INSTALL RAIN-PAN & LINE MANHOLE

MANHOLE #61  
 DEPTH = 5.08'  
 INSTALL RAIN-PAN & LINE MANHOLE

MANHOLE #54  
 DEPTH = 4.58'  
 INSTALL RAIN-PAN & LINE MANHOLE

MANHOLE #69  
 DEPTH = 4.67'  
 INSTALL RAIN-PAN & LINE MANHOLE

MANHOLE #68  
 DEPTH = 5.25'  
 INSTALL RAIN-PAN & LINE MANHOLE

MANHOLE #70  
 DEPTH = 11.58'  
 INSTALL RAIN-PAN & LINE MANHOLE

MANHOLE #78  
 DEPTH = 13.75'  
 INSTALL RAIN-PAN & LINE MANHOLE

MANHOLE #80  
 DEPTH = 8.17'  
 INSTALL RAIN-PAN & LINE MANHOLE

MANHOLE #79  
 DEPTH = 13.25'  
 INSTALL RAIN-PAN & LINE MANHOLE

MANHOLE #71  
 DEPTH = 5.08'  
 INSTALL RAIN-PAN & LINE MANHOLE

MANHOLE #73  
 DEPTH = 5.50'  
 INSTALL RAIN-PAN & LINE MANHOLE

MANHOLE #75  
 DEPTH = 5.17'  
 INSTALL RAIN-PAN & LINE MANHOLE

MANHOLE #76  
 DEPTH = 4.58'  
 INSTALL RAIN-PAN & LINE MANHOLE

MANHOLE #77  
 DEPTH = 4.67'  
 INSTALL RAIN-PAN & LINE MANHOLE

MANHOLE #65  
 DEPTH = 6.42'  
 INSTALL RAIN-PAN & LINE MANHOLE

MANHOLE #66  
 DEPTH = 6.88'  
 INSTALL RAIN-PAN & LINE MANHOLE

MANHOLE #64  
 DEPTH = 4.83'  
 INSTALL RAIN-PAN & LINE MANHOLE

MANHOLE #63  
 DEPTH = 5.17'  
 INSTALL RAIN-PAN & LINE MANHOLE

MANHOLE #43  
 DEPTH = 10.67'  
 INSTALL RAIN-PAN & LINE MANHOLE

MANHOLE #44  
 DEPTH = 13.00'  
 INSTALL RAIN-PAN & LINE MANHOLE

MANHOLE #48  
 DEPTH = 4.33'  
 INSTALL RAIN-PAN & LINE MANHOLE

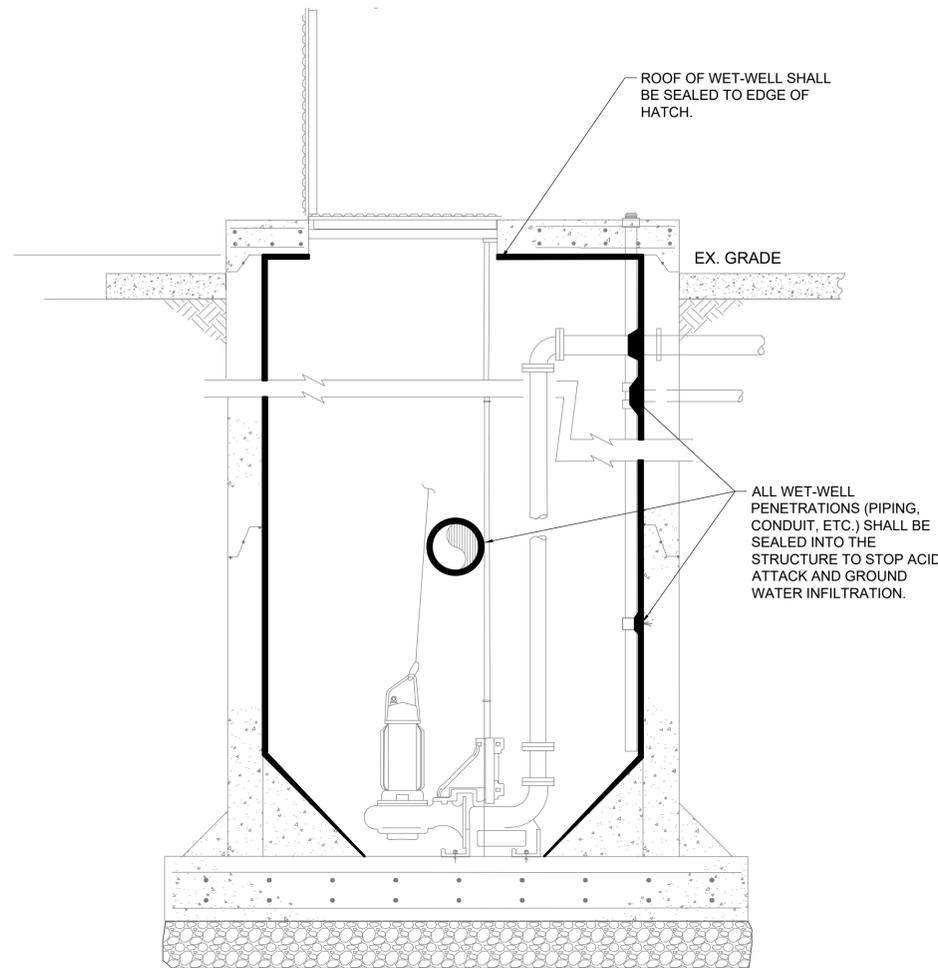
MANHOLE #49  
 DEPTH = 5.42'  
 INSTALL RAIN-PAN & LINE MANHOLE

MANHOLE #50  
 DEPTH = 5.58'  
 INSTALL RAIN-PAN & LINE MANHOLE



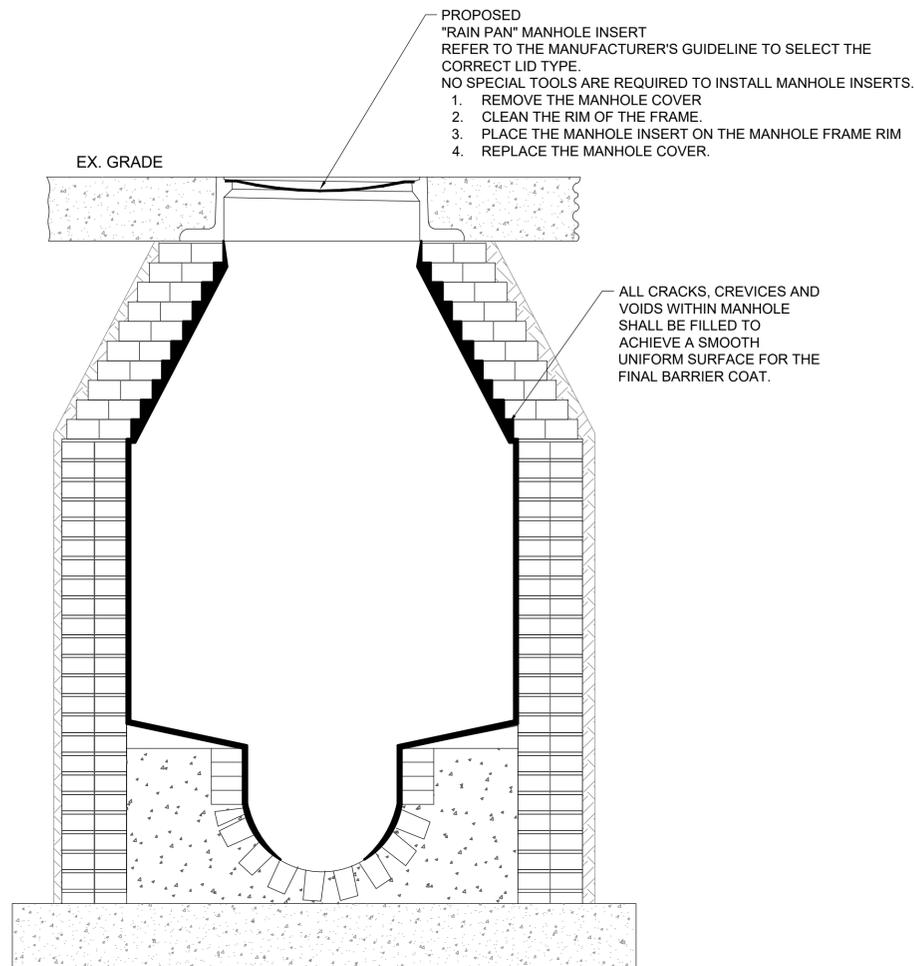






**TYPICAL PUMP STATION LINER DETAIL**

N.T.S.

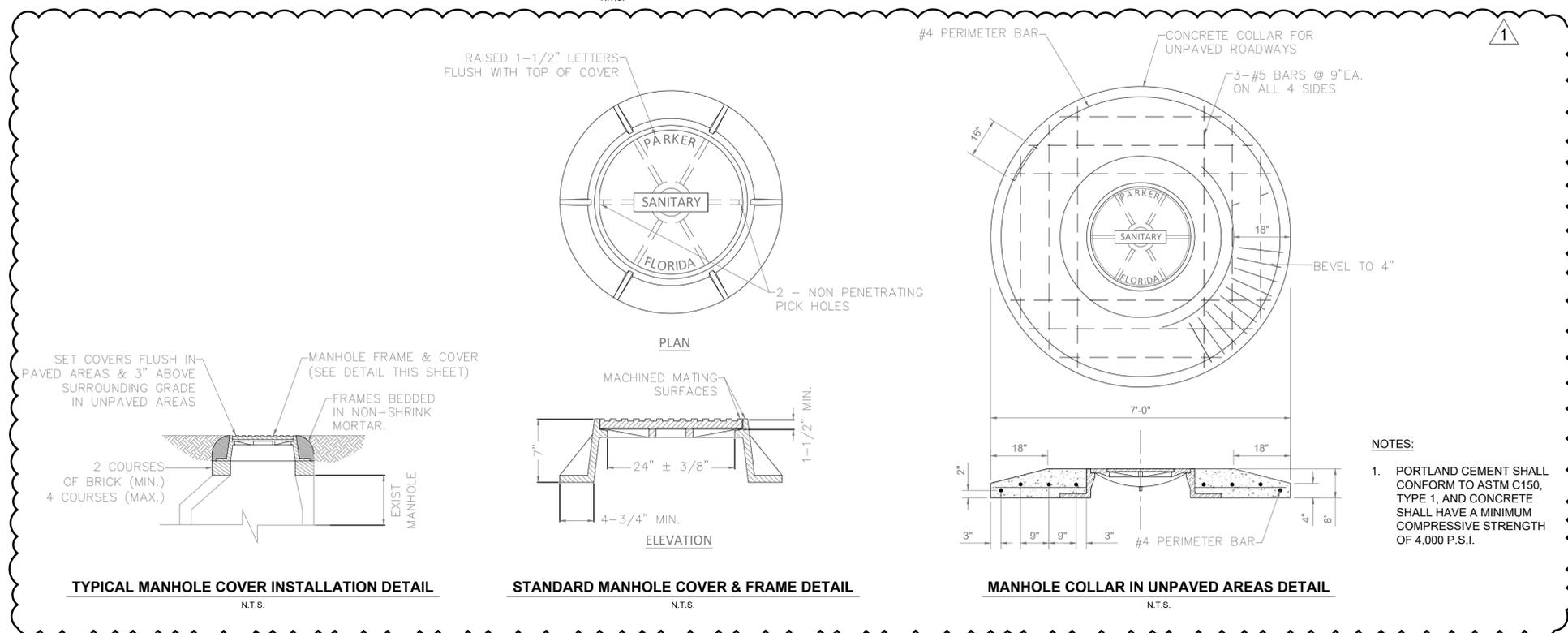


**TYPICAL MANHOLE LINER DETAIL**

N.T.S.

**NOTES:**

1. ALL CONCRETE THAT IS NOT SOUND OR HAS BEEN DAMAGED BY CHEMICAL EXPOSURE SHALL BE RESTORED TO A SOUND CONCRETE SURFACE. ALL CONTAMINANTS INCLUDING: ALL OILS, GREASE, INCOMPATIBLE EXISTING COATINGS, WAXES, FORM RELEASE, CURING COMPOUNDS, EFFLORESCENCE, SEALERS, SALTS, OR OTHER CONTAMINANTS SHALL BE REMOVED.
2. SURFACES THAT REQUIRE ADDITIONAL CLEANING OR PROFILING WILL BE PREPARED BY ABRASIVE BLAST TO ROUGH THE SURFACE SUFFICIENT TO OBTAIN AND ENSURE ADEQUATE BONDING OF THE SYSTEM. A MINIMUM SURFACE PROFILE OF 8-10 MILS OR 10% OF THE TOTAL RECOMMENDED COATING SYSTEM THICKNESS MUST BE ACHIEVED TO ASSURE PROPER ADHESION. DETERGENT WATER CLEANING AND HOT WATER BLASTING MAY BE NECESSARY TO REMOVE OILS AND GREASE FROM THE CONCRETE. WHICHEVER METHODS ARE USED, THEY SHALL BE PERFORMED IN A MANNER THAT PROVIDES A UNIFORM, SOUTH CLEAN SURFACE THAT IS NOT EXCESSIVELY DAMAGED.
3. BYPASS SUCTION HOSE ACCESS SHALL BE 6" OR 8" DIAMETER AS NEEDED. HOSE ACCESS SHALL BE ON THE SAME SIDE OF THE WELL AS THE EMERGENCY PUMP-OUT CONNECTION. ORIENTATION SHALL BE DETERMINED PRIOR TO CONSTRUCTION.
4. APPLICATION PROCEDURES SHALL CONFORM TO RECOMMENDATIONS OF THE MANUFACTURER, INCLUDING MATERIALS HANDLING, MIXING, ENVIRONMENTAL CONTROLS DURING APPLICATION, SAFETY AND SPRAY EQUIPMENT.
5. SPRAY EQUIPMENT SHALL BE SPECIFICALLY DESIGNED TO ACCURATELY RATIO AND APPLY THE LINER SYSTEM.
6. APPLICATION OF MULTI-COMPONENT LINER SYSTEM SHALL BE IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION. FINAL INSTALLATION MINIMUM TOTAL THICKNESS SHALL BE 500 MILS. A PERMANENT IDENTIFICATION AND DATE OF WORK PERFORMED SHALL BE AFFIXED TO THE STRUCTURE IN A READILY VISIBLE LOCATION.
7. IF REQUESTED A FINAL WRITTEN REPORT MAY BE PROVIDED TO THE OWNER/ENGINEER DETAILING THE LOCATION, DATE OF WORK AND DESCRIPTION OF THE WORK.



**TYPICAL MANHOLE COVER INSTALLATION DETAIL**

N.T.S.

**STANDARD MANHOLE COVER & FRAME DETAIL**

N.T.S.

**MANHOLE COLLAR IN UNPAVED AREAS DETAIL**

N.T.S.



P. 850.215.1285 • F. 850.215.1286  
450 Magnolia Avenue, Panama City, FL 32401  
CA Number: 31422

Elizabeth S. Moore, PE  
FL License No.: 57607

**BID SET**

No.	Date	Revision
1	8/29/24	PER ADDENDUM 2

Designed: E. Moore, PE  
Drawn: T. Newman  
Checked: E. Moore, PE  
Job No.: 1620-025  
Date: Aug-2024 © 2024

**CONSTRUCTION DETAILS**  
**CDBG-DR SEWER LINING AND RAIN PAN INSTALLATIONS**  
**PARKER, FLORIDA**

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Sheet No.  
**C2.1**

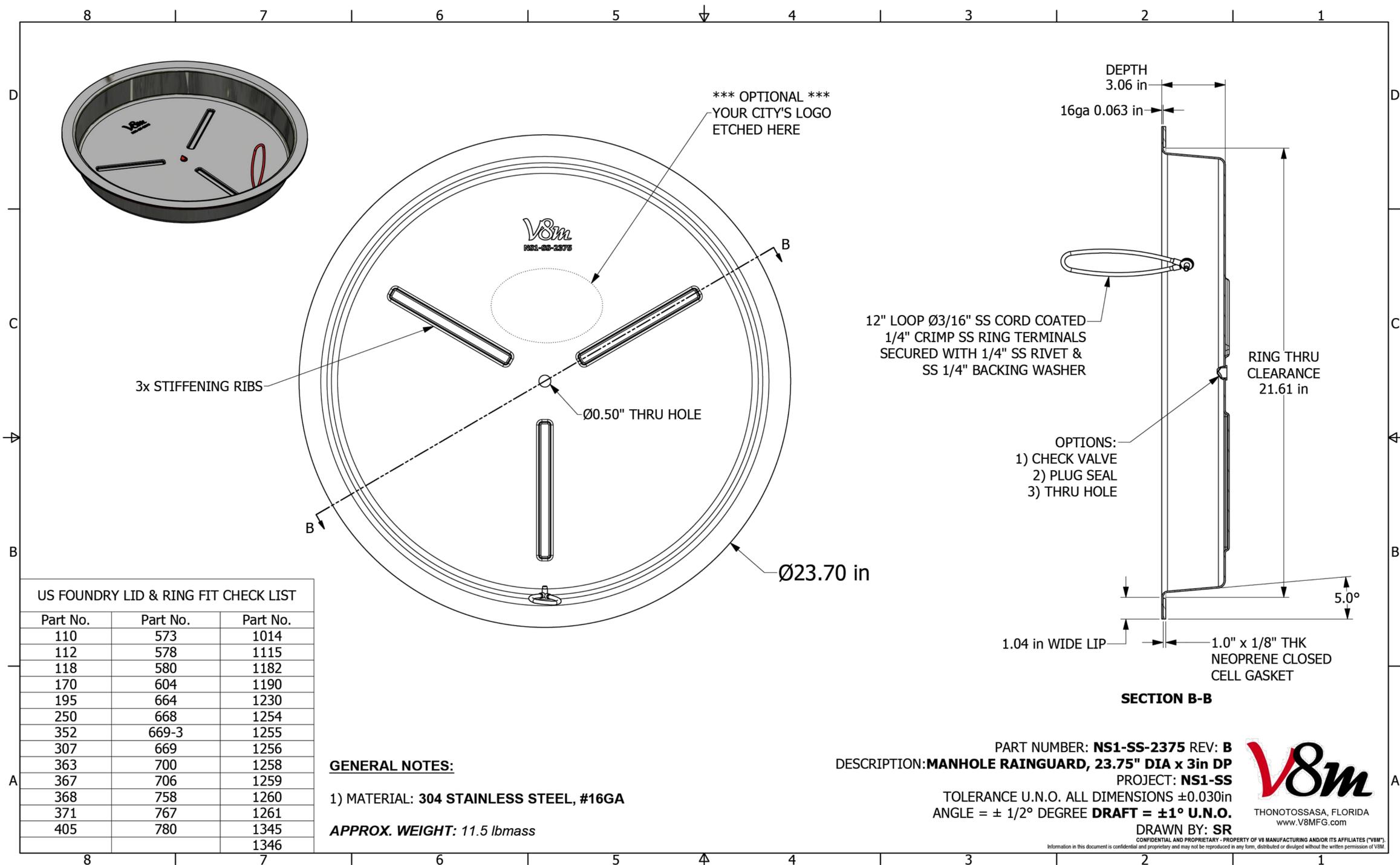
No.	Date	Revision
1	8/29/24	PER ADDENDUM 2

Designed: E. Moore, PE  
 Drawn: T. Newman  
 Checked: E. Moore, PE  
 Job No.: 1620-025  
 Date: Aug-2024 © 2024

**RAIN PAN DETAILS**  
**CDBG-DR SEWER LINING AND RAIN PAN INSTALLATIONS**  
 PARKER, FLORIDA

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Sheet No.  
**C2.2**



**US FOUNDRY LID & RING FIT CHECK LIST**

Part No.	Part No.	Part No.
110	573	1014
112	578	1115
118	580	1182
170	604	1190
195	664	1230
250	668	1254
352	669-3	1255
307	669	1256
363	700	1258
367	706	1259
368	758	1260
371	767	1261
405	780	1345
		1346

**GENERAL NOTES:**  
 1) MATERIAL: 304 STAINLESS STEEL, #16GA  
 APPROX. WEIGHT: 11.5 lbmass

PART NUMBER: **NS1-SS-2375 REV: B**  
 DESCRIPTION: **MANHOLE RAINGUARD, 23.75" DIA x 3in DP**  
 PROJECT: **NS1-SS**  
 TOLERANCE U.N.O. ALL DIMENSIONS ±0.030in  
 ANGLE = ± 1/2° DEGREE **DRAFT = ±1° U.N.O.**  
 DRAWN BY: **SR**



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