CONSTRUCTION PLANS CDBG-DR SEWER LINING AND RAIN PAN INSTALLATIONS

CITY COUNCIL

MAYOR, ANDREW KELLY

COUNCIL MEMBER/MAYOR PRO-TEM, TONYA BARROW

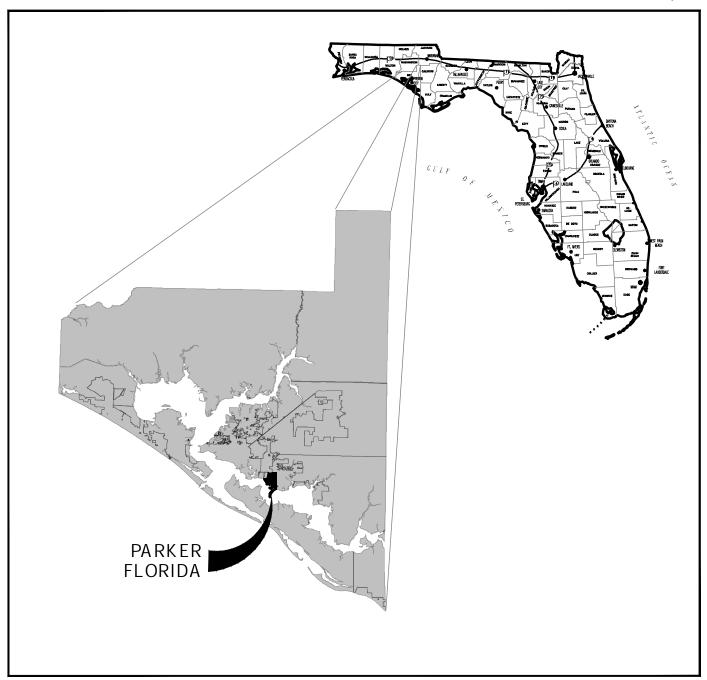
COUNCIL MEMBER, KATY BARRETT

COUNCIL MEMBER, JOHN HANEY

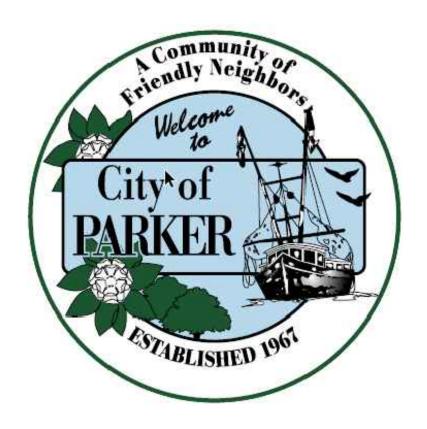
COUNCIL MEMBER, RON CHAPLE

VICINITY MAP

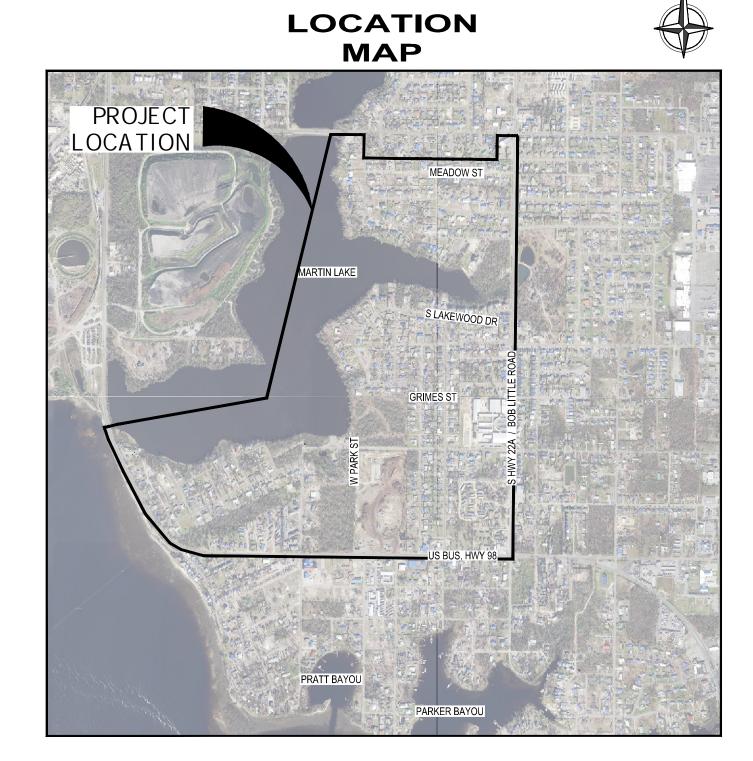




PREPARED FOR: CITY OF PARKER, FLORIDA







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DATE: 6/13/2024



SHEET (THIS SHEET) AL NOTES

LINING AND RAIN PAN PLAN NANCE OF TRAFFIC DETAILS RUCTION DETAILS

GENERAL PROVISIONS

- THE CONTRACTOR SHALL OBTAIN FROM THE OWNER COPIES OF ALL AVAILABLE REGULATORY AGENCY PERMITS AND LOCAL AGENCY PERMITS.
- CONTRACTORS, AS PART OF THE BASE BID, SHALL PROVIDE ALL COORDINATION WITH 2. UTILITY PROVIDERS TO PROVIDE FOR THE MATERIALS AND WORK NEEDED TO PROVIDE SERVICES TO THE PROJECT.
- 3. ANY DISCREPANCIES BETWEEN FIELD MEASUREMENTS AND CONSTRUCTION PLAN INFORMATION SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY
- THE CONTRACTOR SHALL SUBMIT ONE ELECTRONIC COPY OF SHOP DRAWINGS TO 4 THE ENGINEER TO KEEP FOR HIS RECORDS. THE ENGINEER WILL NOT PROVIDE FOR APPROVAL OF SHOP DRAWINGS, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW ALL MATERIALS FOR ACCURACY PRIOR TO ORDERING THE MATERIALS. ANY DISCREPANCIES IDENTIFIED BY THE CONTRACTOR SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL QUALITY CONTROL TESTING. 5.
- IN ADDITION TO QUALITY CONTROL TESTING, THE CONTRACTOR SHALL BE 6. RESPONSIBLE FOR REQUIRED TESTING OR APPROVALS FOR ANY WORK (OR ANY PART THEREOF) IF LAWS OR REGULATIONS OF ANY PUBLIC BODY HAVING JURISDICTION SPECIFICALLY REQUIRE TESTING, INSPECTIONS OR APPROVAL. THE CONTRACTOR SHALL PAY ALL COSTS IN CONNECTION THEREWITH AND SHALL FURNISH THE OWNER AND ENGINEER THE REQUIRED CERTIFICATES OF INSPECTION, TESTING OR APPROVAL.
- 7. ANY DESIGN OR TESTING LABORATORY UTILIZED BY THE CONTRACTOR SHALL BE AN INDEPENDENT LABORATORY ACCEPTABLE TO THE OWNER AND THE ENGINEER, APPROVED IN WRITING, AND COMPLYING WITH THE LATEST EDITION OF THE "RECOMMENDED REQUIREMENTS FOR INDEPENDENT LABORATORY QUALIFICATION", PUBLISHED BY THE AMERICAN COUNCIL OF INDEPENDENT LABORATORIES.
- TESTING RESULTS SHALL BE PROVIDED TO THE OWNER/OPERATOR AND THE ENGINEER. ALL TEST RESULTS SHALL BE PROVIDED (PASSING AND FAILING) ON A **REGULAR AND IMMEDIATE BASIS.**
- 9. THE ENTIRE PROJECT SITE SHALL BE THOROUGHLY CLEANED AT THE COMPLETION OF THE WORK. CLEAN ALL INSTALLED PIPELINES, STRUCTURES, SIDEWALKS, PAVED AREAS, PLUS ALL ADJACENT AREAS AFFECTED BY CONSTRUCTION, AS DIRECTED BY THE OWNER OR JURISDICTIONAL AGENCY. EQUIPMENT TO CLEAN THESE SURFACES SHALL BE SUBJECT TO APPROVAL BY THE OWNER.
- 10. CONTRACTOR SHALL COMPLY TO THE FULLEST EXTENT WITH THE LATEST STANDARDS OF OSHA DIRECTIVES OR ANY OTHER AGENCY HAVING JURISDICTION FOR EXCAVATION AND TRENCHING PROCEDURES.
- 11. ANY MATERIAL, CONSTRUCTION METHODS, OR MATERIAL COST TO COMPLY WITH THESE LAWS SHALL BE INCIDENTAL TO THE CONTRACT.
- 12. CONTRACTOR MUST STOP OPERATION AND NOTIFY THE OWNER FOR PROPER DIRECTION IF ANY ENVIRONMENTAL OR HEALTH RELATED CONTAMINATE IS ENCOUNTERED DURING CONSTRUCTION.

UTILITY GENERAL NOTES

- 1. THE UTILITY DATA SHOWN ON THESE PLANS WAS LOCATED BY THE RESPECTIVE UTILITY, OR IS BASED ON UTILITY DRAWINGS, MAPS, OR FIELD RECONNAISSANCE.
- 2. THE LOCATION, MATERIAL TYPE, AND SIZE OF ALL EXISTING UTILITIES SHOWN ON THE PLANS HAVE BEEN DETERMINED FROM THE BEST INFORMATION AVAILABLE AND ARE GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THEIR ACCURACY. PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITY, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE VARIOUS UTILITIES.
- 3. A SINGLE POINT UTILITY IDENTIFICATION SERVICE HAS BEEN SET UP FOR EXISTING UTILITIES. THE CONTRACTOR IS TO CONTACT THE SUNSHINE STATE ONE CALL CENTER BY DIALING "811" AT LEAST TWO (2) AND NO MORE THAN FIVE (5) WORKING DAYS PRIOR TO THE SPECIFIC CONSTRUCTION ACTIVITY FOR FIELD LOCATION. NOTE THAT NOT ALL UTILITIES PARTICIPATE IN THIS PROGRAM. THE CONTRACTOR SHOULD CONTACT ALL NON-PARTICIPATING UTILITIES SEPARATELY FOR FIELD LOCATION OF THEIR FACILITIES AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION.
- 4. THE CONTRACTOR IS RESPONSIBLE FOR ALL COORDINATION WITH EACH UTILITY AND ALL COSTS ASSOCIATED WITH THE PROTECTION OF EXISTING FACILITIES DURING CONSTRUCTION. THE CONTRACTOR SHALL ALSO COORDINATE NECESSARY RELOCATIONS OR OTHER CONSTRUCTION RELATED MATTERS WITH EACH UTILITY.
- 5. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN IN SERVICE ALL EXISTING PIPING ENCOUNTERED DURING CONSTRUCTION UNLESS OTHERWISE INDICATED IN THE DRAWINGS. ANY PIPING WHICH CAN BE REMOVED DURING CONSTRUCTION WITHOUT UNDUE INTERRUPTION OF SERVICE MAY BE REMOVED AND REPLACED BY THE CONTRACTOR WITH THE PERMISSION OF THE OWNER AND THE ENGINEER.
- 6. TYPICAL DETAILS AND PROPOSED CONSTRUCTION AS SHOWN ILLUSTRATE THE ENGINEER'S INTENT AND ARE NOT PRESENTED AS A SOLUTION TO ALL CONSTRUCTION PROBLEMS ENCOUNTERED IN THE FIELD. THE CONTRACTOR MAY ALTER THE PROPOSED CONSTRUCTION TO SUIT FIELD CONDITIONS, PROVIDED IT COMPLIES WITH THE PROJECT SPECIFICATIONS AND APPROVAL IS RECEIVED FROM THE ENGINEER. WHERE SUCH PROPOSED REVISIONS DEVIATE FROM THE FDEP CONSTRUCTION PERMIT, THEN SUCH REVISIONS WILL ALSO REQUIRE APPROVAL FROM FDEP.
- 7. FOR EACH RESPECTIVE CONSTRUCTION SITE REQUIRED, THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION, DEPTH, SIZE, MATERIAL TYPE, AND ALIGNMENT OF ALL EXISTING PIPES, CABLES, ETC. TO BE CROSSED OR CONNECTED TO. IF THE CONTRACTOR DEEMS NECESSARY (A) A CHANGE IN ALIGNMENT OR DEPTH, OR THE NEED FOR ADDITIONAL FITTINGS, BENDS, OR COUPLINGS, WHICH REPRESENT A DEPARTURE FROM THE CONTRACT DRAWING, OR (B) A NEED FOR RELOCATION OF EXISTING UTILITIES, THEN DETAILS OF SUCH DEPARTURES, RELOCATIONS, OR ADDITIONAL FITTINGS, INCLUDING CHANGES IN RELATED PORTIONS OF THE PROJECT AND THE REASONS THEREFORE, SHALL BE SUBMITTED WITH SHOP DRAWINGS. APPROVED DEPARTURES FOR THE CONTRACTOR'S CONVENIENCE SHALL BE MADE AT NO ADDITIONAL COST TO THE OWNER.
- 8. THE CONTRACTOR SHALL PROVIDE AT HIS OWN EXPENSE ALL NECESSARY TEST PUMPING EQUIPMENT, TO INCLUDE A FULL TANK OF FUEL FOR EACH GENERATOR, AND OTHER EQUIPMENT, MATERIAL AND FACILITIES REQUIRED FOR ALL HYDROSTATIC, LEAKAGE, AND PRESSURE TESTING. THE CONTRACTOR SHALL CONTACT THE ENGINEER AND THE OWNER IN WRITTEN FORM, FORTY-EIGHT (48) HOURS IN ADVANCE OF PROPOSED TESTING. THE CONTRACTOR SHALL PERFORM SATISFACTORY PRE-TESTING PRIOR TO NOTIFICATION.

TRAFFIC CONTROL

- P.M. UNLESS OTHERWISE AUTHORIZED IN THE APPROVED M.O.T.
- MAINTAINED DURING CONSTRUCTION.
- BARRICADES AND FUNCTION OF LIGHTS IS MAINTAINED THROUGHOUT CONSTRUCTION.
- 4. CONTACT PROPERTY OWNERS AFFECTED BY CONSTRUCTION. COORDINATE PROPERTY OWNERS DURING CONSTRUCTION.
- 6. THE CONTRACTOR IS EXPECTED TO COORDINATE ITS ACTIVITIES WITH OTHER CONTRACTORS WHO MAY BE WORKING IN THE IMMEDIATE VICINITY.
- BE INSTALLED IN ACCORDANCE WITH FDOT INDEX NO. 600 AND 602.

1. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING A MAINTENANCE OF TRAFFIC (M.O.T.) PLAN PRIOR TO CONSTRUCTION. THE M.O.T. PLAN SHALL SHOW ALL PROPOSED TRAFFIC CONTROL SIGNS, PAVEMENT MARKINGS, AND BARRICADES, AND SHALL DETAIL ALL PROPOSED CONSTRUCTION SEQUENCING. THE M.O.T. PLAN AND INSTALLED TRAFFIC CONTROL MEASURES SHALL BE APPROVED BY THE ENGINEER, OWNER, AND ROADWAY JURISDICTIONAL AGENCY PRIOR TO CONSTRUCTION. IN GENERAL, ROADWAY AND DRIVEWAY LANE CLOSURES ARE PROHIBITED DURING CONSTRUCTION UNLESS SPECIFICALLY DETAILED ON THESE PLANS. IN THE EVENT IT IS DETERMINED THAT ROADWAY AND DRIVEWAY LANE CLOSURES WILL BE ALLOWED, THE CLOSURES SHALL BE RESTRICTED TO THE HOURS BETWEEN 9:00 A.M. AND 4:00

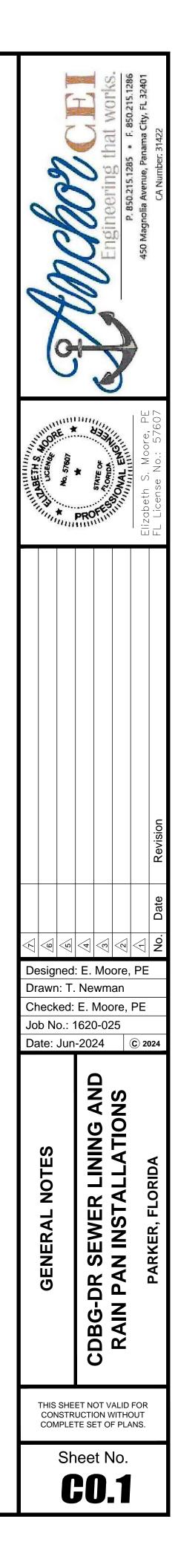
2. ALL TRAFFIC CONTROL MEASURES SHALL BE IN ACCORDANCE WITH FDOT INDEX NO. 600 AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). ALL TRAFFIC CONTROL MEASURES SHALL BE INSTALLED PRIOR TO CONSTRUCTION AND

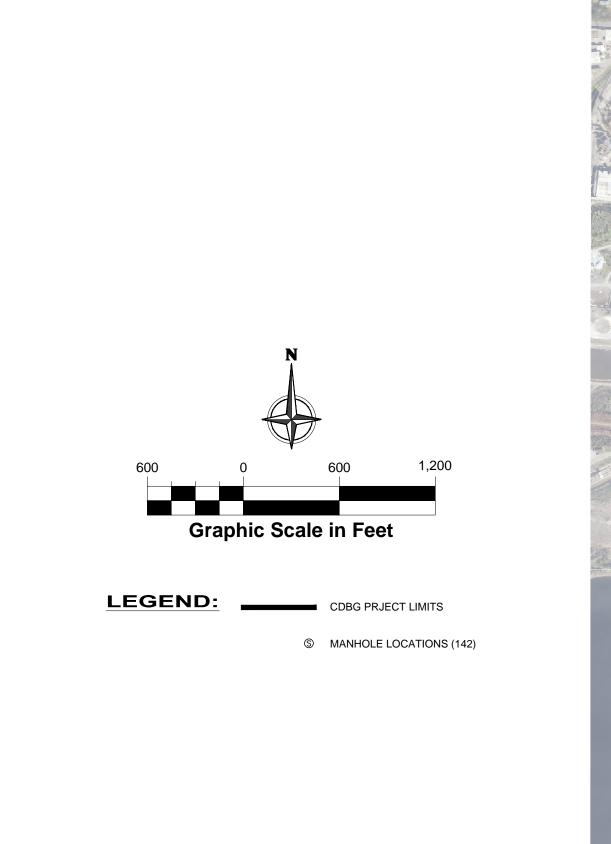
3. INSPECT TRAFFIC CONTROL DEVICES ON A DAILY BASIS TO ENSURE PLACEMENT OF

TEMPORARY DRIVEWAY CLOSURES AND SEQUENCING. MAINTAIN ACCESS FOR ALL

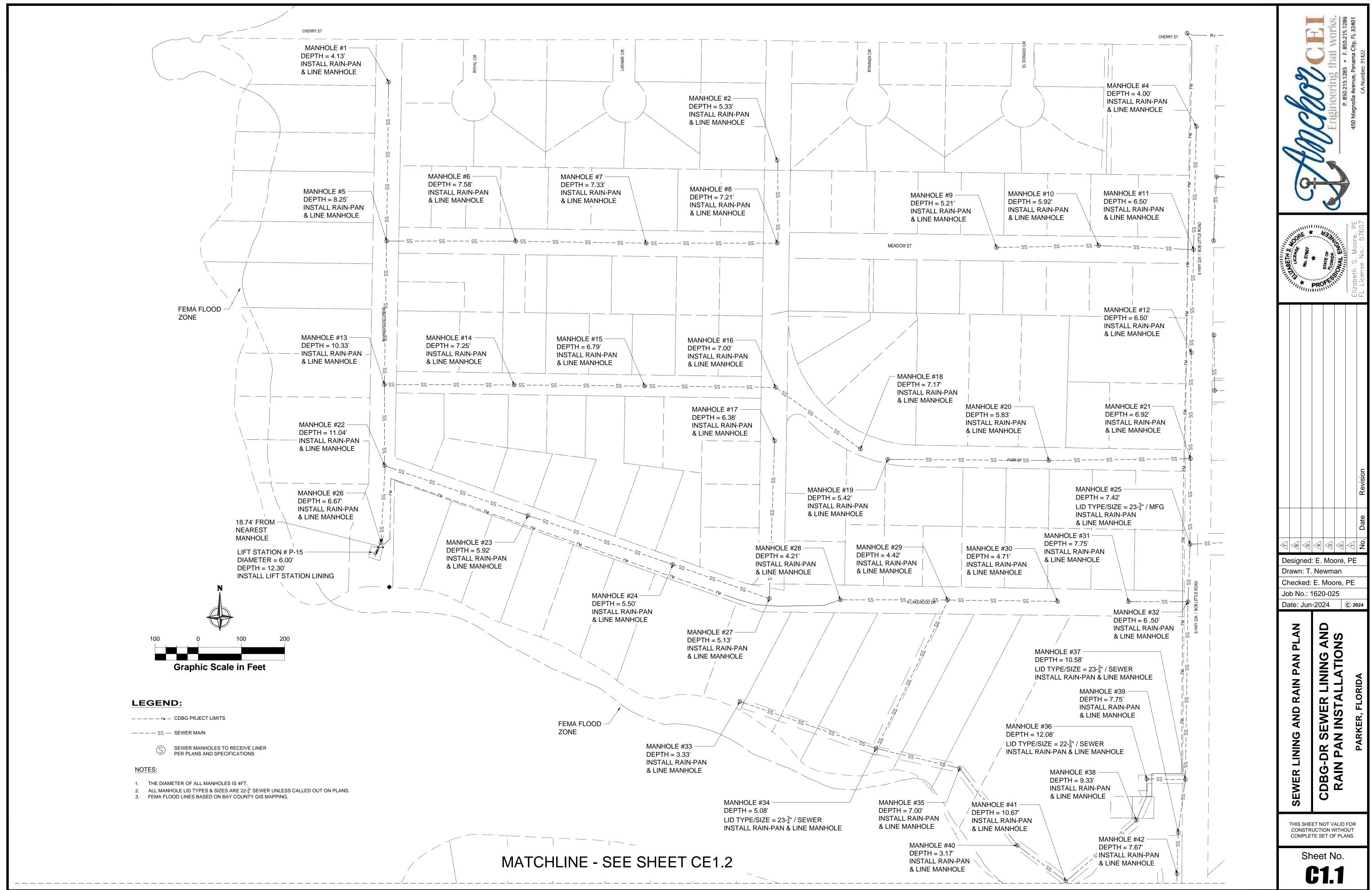
ADJUST TRAFFIC CONTROL DEVICES AS REQUIRED UNDER EMERGENCY CONDITIONS.

7. WHEN WORK OCCURS WITHIN 15-FT OF ACTIVE ROAD TRAVEL LANES BUT NO CLOSER THAN 2-FT FROM THE EDGE OF PAVEMENT, SIGNAGE AND WARNING DEVICES ARE TO

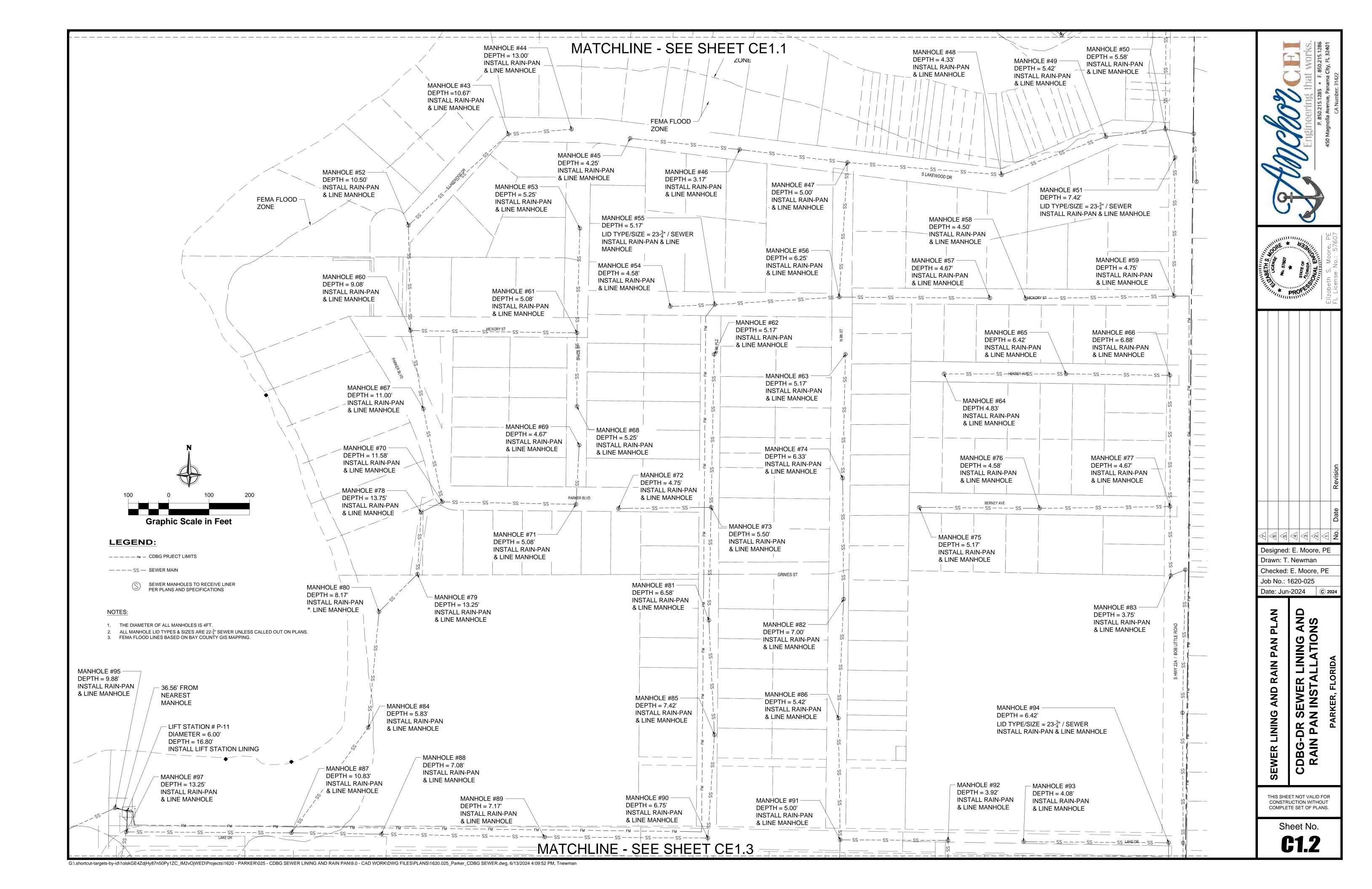


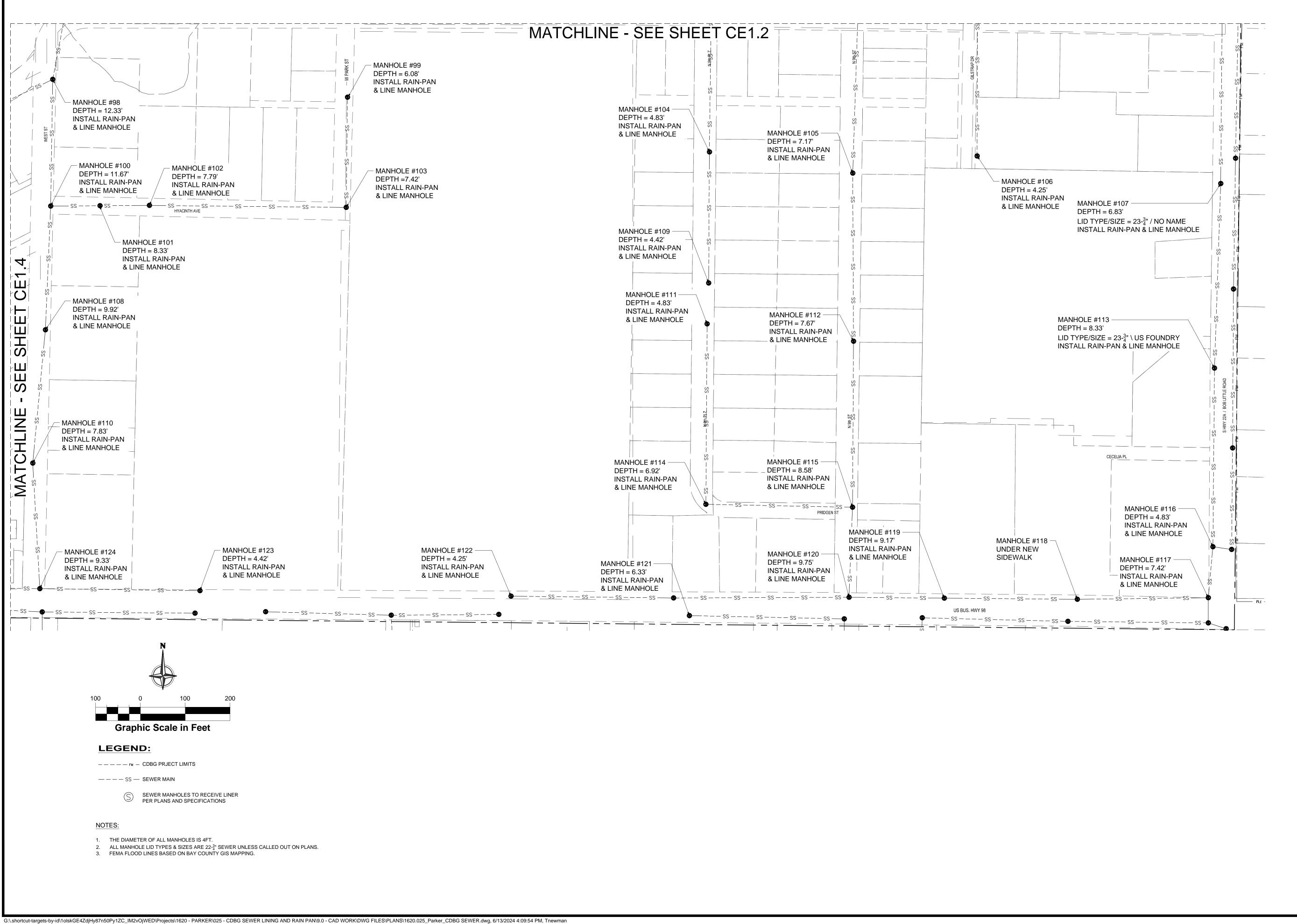


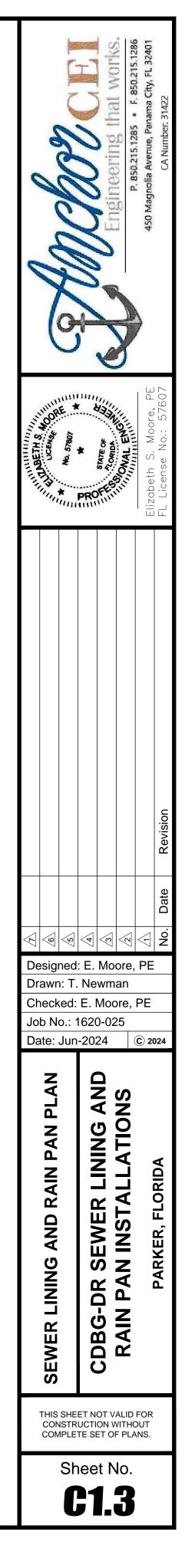


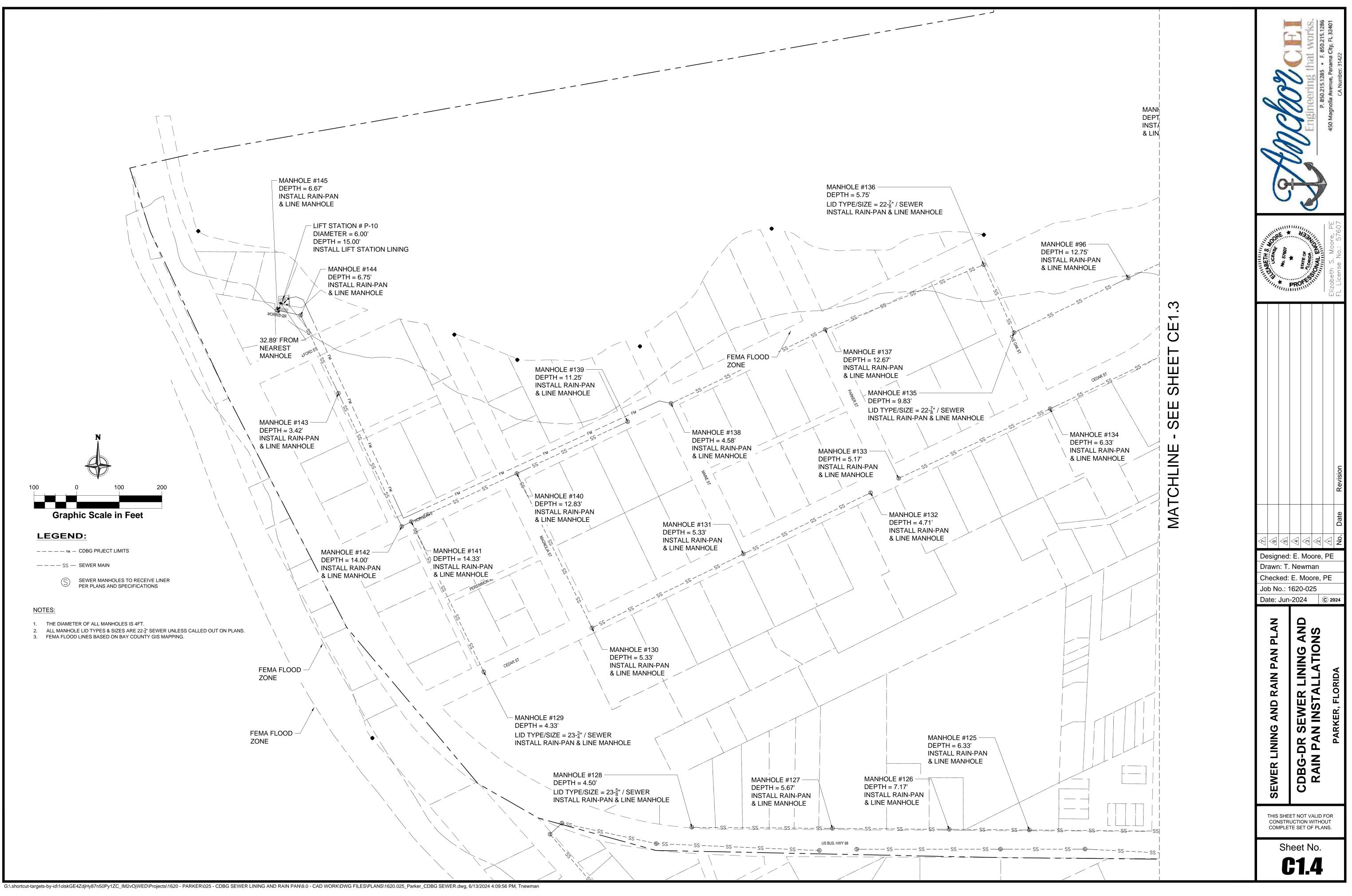


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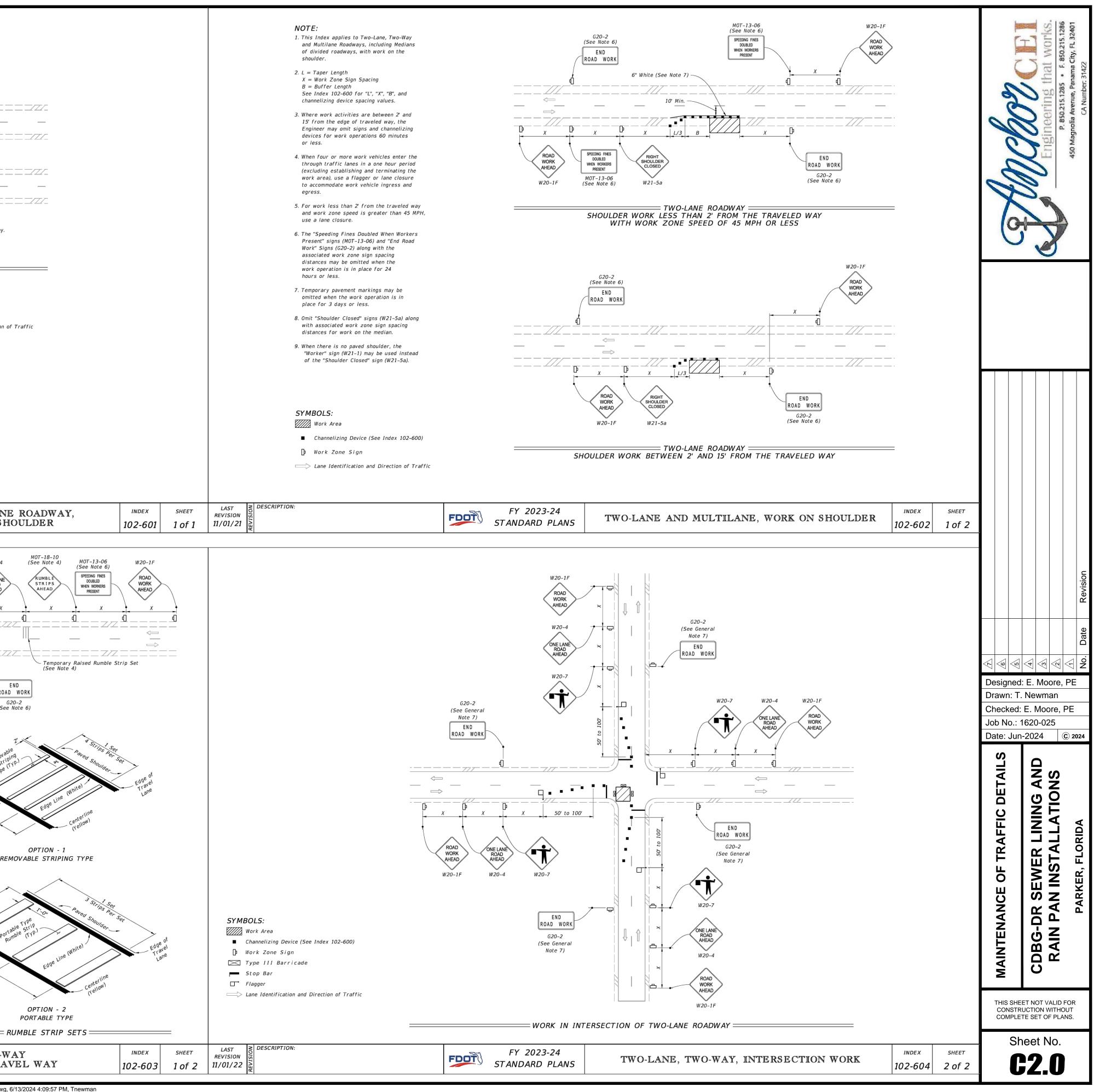


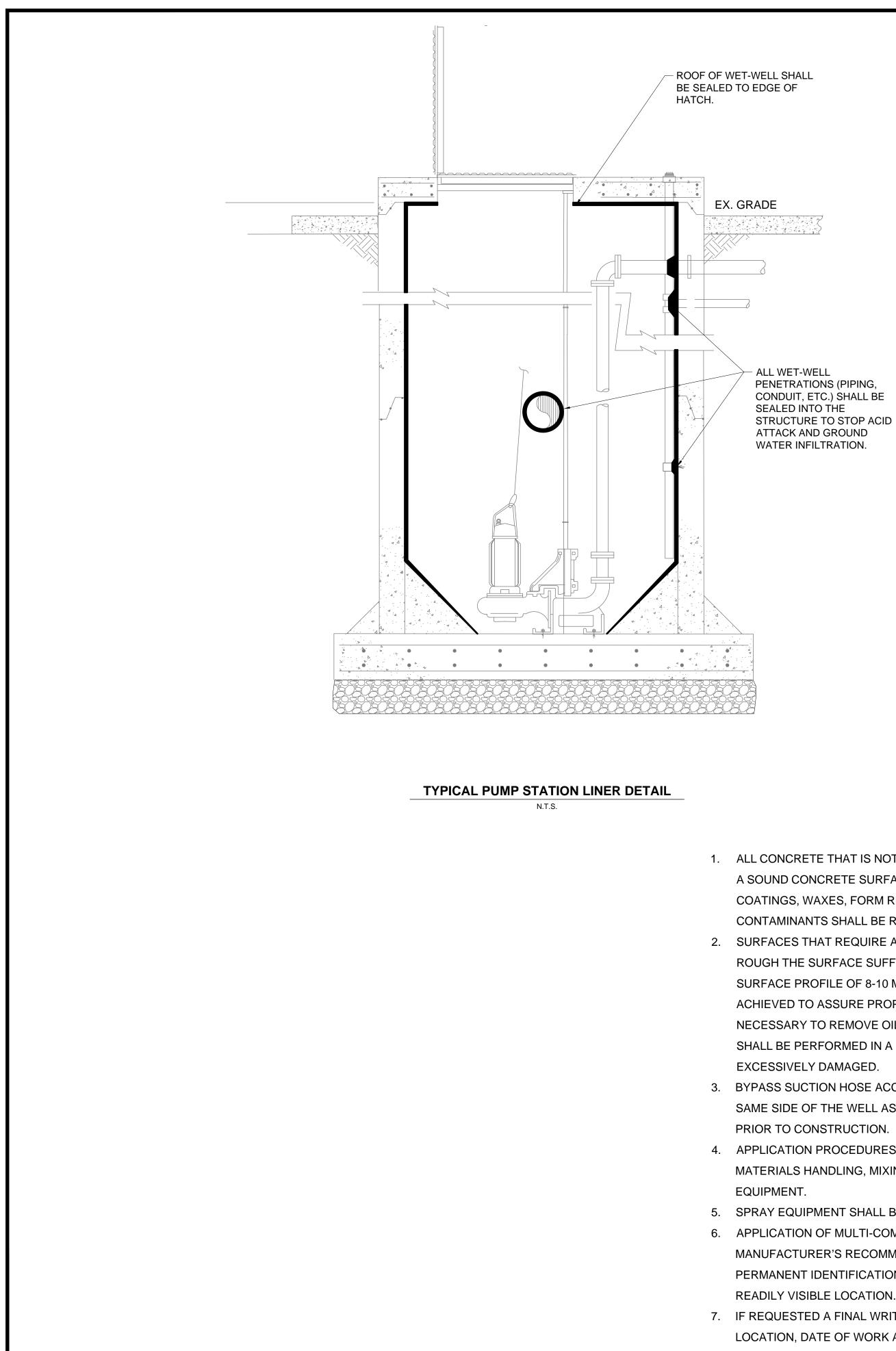


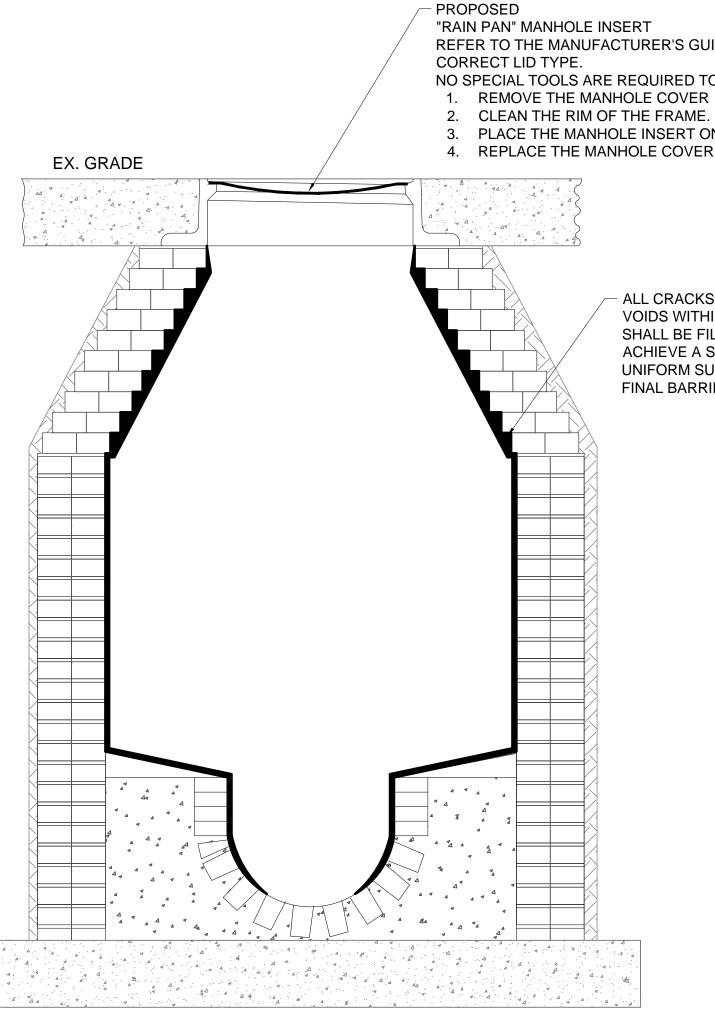




		Offset Zone: a. Behind an existing barrier, b. More than 2' behind the curb, c. 15' or more from the traveled way.
including Medians 2. Use Index 102-602 and terminating th vehicles cross the	T to Two-Lane, Two-Way and Multilane Roadways, of divided roadways, with work beyond the shoulder. When the work operation (excluding establishing work area) requires that two or more work Offset Zone in any one hour period.	NN, TWO-LANE ROADWAY SIMILAR SYMBOLS: Work Area Lane Identification and Direction
LAST REVISION 11/01/20	FY 2023-24 STANDARD PLANS	TWO-LANE AND MULTILAN WORK BEYOND THE SE
Temporary Raised Rumble Strip Set (See Note 4)	DER) (ROAD) (LICELIN)	W20-7A (See Note 3) W20-4 FLAGGER AHEAD X X X X X X X X X X X X X X X X X X X
with work within the traveled way.signs (MOT along with2. L = Taper Lengthomitted wl bellB = Buffer Lengthhours or lX = Work Zone Sign Spacing7. Automated used in ac and the Al3. Optionally, use "Flagger Ahead" sign with symbol (W20-7) instead of "Flagger Ahead" sign with text8. Railroad C the Wor4. Use temporary raised rumble strips when the existing posted speed is 55 mph or greater and the work duration is greater than 60 minutes. If temporary raised rumble strips are not used, omit "Rumble strips Ahead" sign spacing.b. If the q crossing traffic grade c5. Additional one-way control may be provided by thethe high	(See Note 3) ding Fines Doubled When Workers Present" 13-06) and "End Road Work" signs (G20-2), associated work zone sign spacing, may be then the work operation will be in place for 24 ess. Flagger Assistance Devices (AFADs) may be performed and the specification Sections 102, 990 PL vendor drawings.	Tope Trans
c. Pilot vehicles d. Traffic signals When flaggers are the sole means of one-way control, the flaggers must be in sight of each other or in direct communication at all times. SYMBOLS: Work Area ■ Channelizing Device (See Index 102-600) □ Work Zone Sign □ Flagger Lane Identification and Direction of Traffic LAST SCRIPTION:	FY 2023-24	TWO-LANE, TWO-V







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
- 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
- 4. APPLICATION PROCEDURES SHALL CONFORM TO RECOMMENDATIONS OF THE MANUFACTURER, INCLUDING MATERIALS HANDLING, MIXING, ENVIRONMENTAL CONTROLS DURING APPLICATION, SAFETY AND SPRAY
- 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.

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REFER TO THE MANUFACTURER'S GUIDELINE TO SELECT THE

NO SPECIAL TOOLS ARE REQUIRED TO INSTALL MANHOLE INSERTS. 3. PLACE THE MANHOLE INSERT ON THE MANHOLE FRAME RIM

4. REPLACE THE MANHOLE COVER.



ALL CRACKS, CREVICES AND VOIDS WITHIN MANHOLE SHALL BE FILLED TO ACHIEVE A SMOOTH UNIFORM SURFACE FOR THE FINAL BARRIER COAT.

