WATER TIGHT MANHOLE RING AND COVER CONTRACTOR TO PROVIDE "MASTIC" BETWEEN RING AND CONE SECTION 6x6 W2.9xW2.9 SINGLE MAT REINF. IN CENTER THIRD OF WALL AND IN TONGUE AND GROOVE TAPERED LIFTING AS REQUIRED CONTRACTOR SHALL EXTERNALLY SEAL ALL RISER SECTIONS OF MANHOLES WITH 6" WIDE - CAST-IN-PLACE MASTIC WATERPROOFING TAPE PLASTIC STEPS RUBBER BOOT W/ CLAMP TYP. SHAPED CONCRETE INVERT 6" MIN. SCREENED GRAVEL BASE SECTION A-A MANHOLE WALL -FLOW / CAST-IN-PLACE PLASTIC STEPS -1. FLOW SHALL BE MAINTAINED AT ALL TIMES DURING CONSTUCTION. 2. CONCRETE USED FOR BASE SLAB AND PRE-CAST SECTIONS SHALL BE 4000 P.S.I. MIMIMUM. 3. STONE BASE SHALL BE 6" MIMNIMUM.4. EXISTING SANITARY SEWER MAIN SHALL MAKE REQUIRED FLOW DIRECTION CHANGES IN MANHOLE BY SMOOTH BE SAW-CUT TO SPRING LINE AFTER TANGENTAL CURVE OF SHAPED BASE CONCRETE IS PLACED AND SET. MANHOLE INVERT. PLAN VIEW

> PRECAST MANHOLE NOT TO SCALE



CONCRETE THRUST BLOCK

COMPACTED PIPE BEDDING MATERIAL

- 6" MIN. SCREENED GRAVEL BASE

Landscape Architecture

PROJECT REFERENCE NO. DESIGNED BY: MAL F: 910.637.0096 DRAWN BY:

SHEET NO.

UC-3A

7/24/2025

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UTILITY CONSTRUCTION DOCUMENT NOT CONSIDERED FINAL **UNLESS ALL SIGNATURES COMPLETED**

PIPE VENT WHERE SHOWN ON PLANS, SET WATER TIGHT MANHOLE 24" VENT 2'-0" MIN ABOVE RING AND COVER 100 YEAR FLOOD ELEV. CONTRACTOR SHALL SAND BLAST AND APPLY SERIES 66 POLYAMIDE EPOXY PRIMER TO 3.5MILS. THICK AND 2 COATS OF SERIES 73 ALIPHATIC ACRYLIC POLYURETHANE TO 5.0 MILS. THICK DRY FILM THICKNESS TO 4" GALV. VENT PIPE **EPOXY GROUT** CORE DRILLED OR CAST HOLE BREAK OUT EXISTING MANHOLE WALL AND PATCH AROUND NEW PIPE WITH CONCRETE. APPLY BONDING AGENT BETWEEN NEW AND EXISTING SURFACES. - NEW SEWER PIPE - EXISTING MANHOLE WALL CONCRETE ANCHOR **TYPICAL** VENTED MANHOLE AT BOTTOM OF VENT NEW PIPE TO EXISTING MANHOLE CONNECTION - INSTALL MINIMUM ONE FULL JOINT D.I.P. FROM MJ x MJ TEE PRIOR TO TRANSITION TO PVC OR OTHER MATERIAL RUBBER BOOT W/ CLAMP COMPACTED FOR EXISTING MANOLES, BREAK BACKFILL RESTRAINED JOINT OUT INVERT SUFFICIENTLY TO DUCTILE IRON PIPE REFORM SHAPED INVERT TO AND MJ FITTINGS INCLUDE NEW PIPE INLET. -─ 3,000 PSI MINIMUM

4" GALV., SCREENED

NEW PRECAST CONCRETE MANHOLE OR EXISTING MANHOLE WITH NEW OUTSIDE DROP CONNECTION

SHAPED CONCRETE INVERT -

(SIZE VARIES)

NOT TO SCALE - BRASS CAP FINISHED GRADE -⁻ 18" X 18" X4" CONCRETE COLLAR TERMINATE SERVICE WITH CLEANOUT - AT PROPERTY LINE OR LOCATION **VARIES** GIVEN BY ENGINEER - 4" 45° BEND 4" PVC CAP - SEWER SIZE SERVICE PIPE LENGTH └ 4" X4" X4" WYE **VARIES** (AS REQUIRED) - 4" PVC SANTARY SEWER SERVICE SHALL BE 4" PVC SCHEDULE 40 PIPE └ PVC SEWER MAIN

TYPICAL SEWER CONNECTION

GENERAL NOTE:

CONTRACTOR SHALL BACKFILL ALL TRENCHES, BORE PITS, AND OTHER EXCAVATIONS AT THE END OF EACH WORK DAY. NO TRENCHES, BORE PITS, OR OTHER EXCAVATION SHALL BE LEFT OPEN OVERNIGHT.