OTHER → PAVED AREA MANHOLE INSERT WHERE _24" C.I. MH FRAME & COVER AT GRADE OR IN PAVEMENT-TOP TO BE FLUSH WITH STREETS, WALKS OR RESIDENTIAL AREAS. ∕-CAP W/2" TAP TYPE S MORTAR-REINFORCED SEE NOTE 2-FINISHED GRADE -∠2" ASPHALT CONCRETE COLLAR ┌─4"BASE ്ത്ര -INTERNAL LINING SYSTEM BRICK OR PRECAST LEVELING LVALVE BOX W/LID. RINGS (8" MAXIMUM) -PLAN VIEW LID MARKED "WATER" SEE NOTE 1 -PRE CAST ECCENTRIC TOP 5" MIN. WALL THICKNESS FOR 4' DIA. BARREL (TYP) -GROUT INSIDE & OUTSIDE 6" MIN. WALL THICKNESS WITH APPROVED FOR 5' DIA. BARREL NON-SHRINKING GROUT SCREW TYPE VALVE -REINFORCED CONCRETE NON-SHRINK BOX W/LID. LID COLLAR (TYP.) GROUT OR MARKED "WATER" -FLEXIBLE ∠2" SCH 40 THREADED PLUG JOINT WRAP GROUND -MANHOLE IN ACCORDANCE NON-SHRINK (EXTERIOR) -WITH ASTM C478 TAPPED PLUG W/2" TAP GROUT -PRECAST BARREL SECTIONS RESTRAIN AS REQUIRED 7 FLEXIBLE (INTERIOR) JOINT SEAL-(4' LENGTH MAX.) -2" SCH 40 FEMALE ADAPTER TYPICAL FOR ~2" SCH 40 PVC SEE NOTE 2-ALL JOINTS 2" SCH 40 FEMALE ADAPTER 6" EXT. BASE FOR 4' DIA. MH; 8" EXT. BASE FOR 5' DIA. SLOPE BRICK -2" BRASS NIPPLE MH. MONOLITHICALLY SLOPE=1"/FT-CAST WITH BASE ~2" BRASS 90' ELL ¹2" BRASS NIPPLE SECTION. EXTENDED BASE NOT REQ'D FOR CONCRETE BLOCK 3/4 THE DIA. MANHOLES LESS −3'−0" MAX.—— OF LARGEST --- THAN 8' DEEP SEWER PIPE ⊢6" MIN. **PROFILE** SEE NOTE 1⁴ NOTES: COMPACTED SUBGRADE -3,000 PSI CONCRETE 6" MIN. STONE 28 DAY STRENGTH FOR BEDDING FOUNDATION I. FOR MANHOLES UP TO 12 FEET IN DEPTH MINIMUM BARREL DIAMETER SHALL BE 4 FEET. MANHOLES GREATER THAN 12 FEET IN DEPTH SHALL BE A MINIMUM OF 5 FEET IN DIAMETER. 1. PROVIDE TOTAL LENGTH OF RESTRAINED JOINTS UPSTREAM AS REQUIRED FOR 2. PROVIDE A MINIMUM DISTANCE OF SIX (6) INCHES BETWEEN EDGE OF MANHOLE CORE HOLES MAIN DIAMETER AT 150 psi TEST PRESSURE. WHEN UPSTREAM BENDS ARE AND MANHOLE BARREL JOINTS. PROVIDE A MINIMUM OF SIX (6) INCHES BETWEEN EDGES OF WITHIN THE DEAD LENGTH, ADD TOTAL BEND RESTRAINT FOR EACH BEND TO CORE HOLES. CORING THE MANHOLE CONE IS NOT ALLOWED. 3. ALL MANHOLE MAIN LINE AND SERVICE PIPING TO BE INSTALLED AT A MINIMUM OF CROWN 2. IF MAIN IS LARGER THAN 2", END WITH A VALVE SIZED FOR THE MAIN, TO CROWN OF THE LARGEST DIAMETER PIPE. THREADED CAP SIZED ON VALVE FOR THE 2" BLOW-OFF. FOR LESS THAN 30" INSIDE DROP DETAIL: PRECAST CONCRETE DETAIL: DETAIL NO: CAPE FEAR PUBLIC UTILITY AUTHORITY CAPE FEAR PUBLIC UTILITY AUTHORITY W-7 MANHOLE SECTION -S-1 2 INCH BLOW-OFF 235 GOVERNMENT CENTER DRIVE 235 GOVERNMENT CENTER DRIVE ECCENTRIC CONF WILMINGTON, NC 28403 WILMINGTON, NC 28403 CFPUA DETAIL DATE SHEET NO: CFPUA DETAIL DATE: SHEET NO: OFFICE: (910)332-6560 OFFICE: (910)332-6560 SCALE: NOT TO SCALE SCALE: NOT TO SCALE 01/01/2021 01/01/2021 Stewardship. Sustainability. Service. Stewardship. Sustainability. Service.

UC-3B U-5710A DESIGNED BY: MWW CARO! DRAWN BY: KSR SESSIONIL CHECKED BY: SEAL APPROVED BY: 037518 REVISED: 4/23/21 Matthew Watt NORTH CAROLINA 1/2 NGINEE DEPARTMENT OF THEW W. WP TRANSPORTATION 4/21/2022 UTILITIES ENGINEERING SEC. PHONE: (919)707-6690 UTILITY CONSTRUCTION PLANS ONLY FAX: (919)250-4151 **DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED**

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