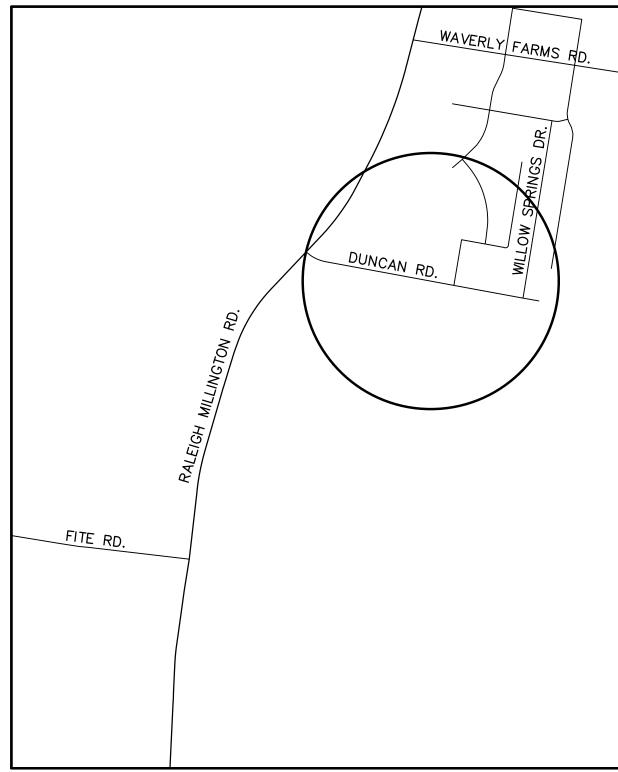
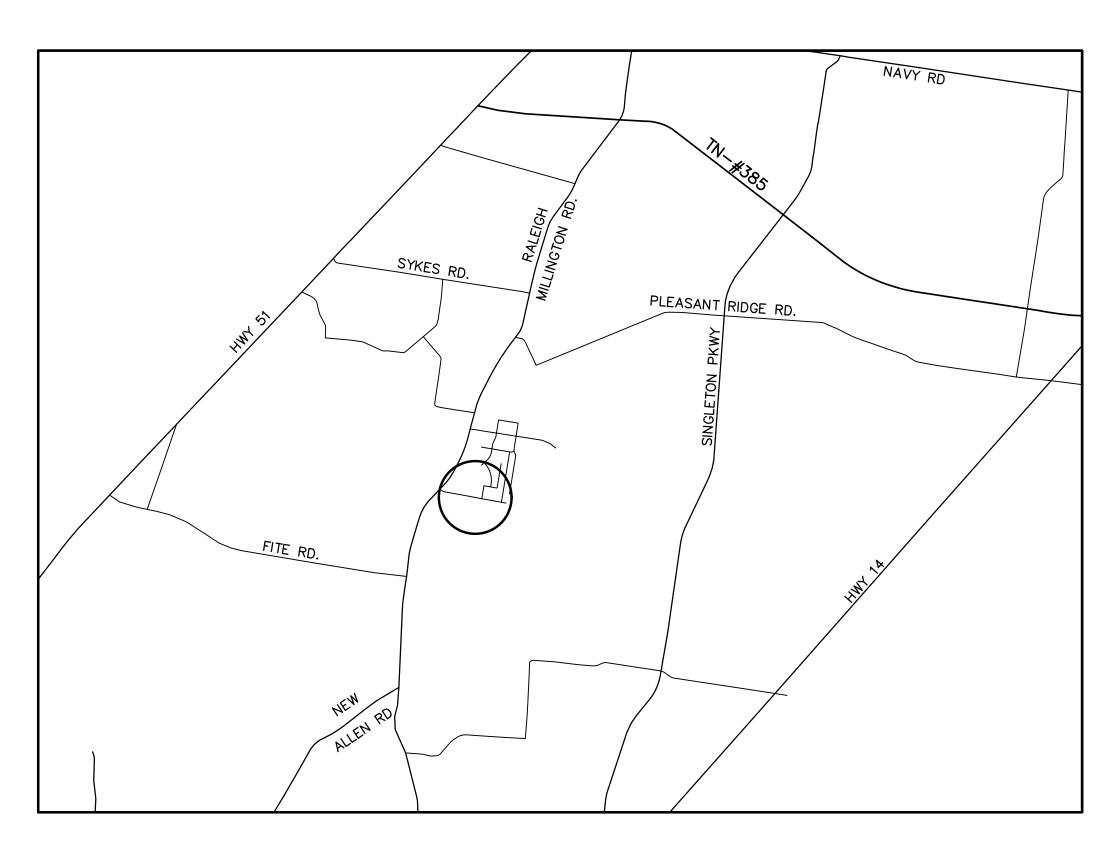
SEWER ASSESSMENT & REHABILITATION PROGRAM (SARP10) CITY OF MEMPHIS

DUNCAN ROAD PROJECT LOCATION



DUNCAN ROAD SANITARY SEWER IMPROVEMENTS



INDEX OF SHEETS

- C1.00 COVER SHEET
- C1.01 GENERAL NOTES
- C2.01 EXISTING CONDITIONS PLAN
- C3.01 OFFSTREET SEWER PLAN
- C4.01 EROSION PROTECTION & SEDIMENT CONTROL
- OFFSTREET SEWER PLAN & PROFILE C5.01
- C5.02 OFFSTREET SEWER PLAN & PROFILE
- C6.01 STANDARD DETAILS

DUNCAN ROAD PROJECT AREA LOCATION



LOCATION OF EXISTING UNDERGROUND UTILITIES ARE APPROXIMATE AND ARE NOT NECESSARILY ALL OF SAME. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE APPROPRIATE UTILITY COMPANY TO DETERMINE THE EXACT LOCATION OF ALL UTILITIES AND/OR UNDERGROUND STRUCTURES PRIOR TO THE INITIATION OF ANY CONSTRUCTION. CONTRACTOR SHALL ALSO ASSUME FULL RESPONSIBILITY FOR DAMAGE TO ANY UTILITIES ENCOUNTERED WITHIN CONSTRUCTION PERIMETERS. FOR SITE LOCATIONS OF EXISTING UTILITIES INVOLVING M.L.G.&W., SOUTH CENTRAL BELL, AND/OR TEXAS GAS COMPANY, PLEASE CALL 1-800-351-1111. FOR SEWER SERVICE LOCATIONS, CALL 901-529-8025.

CONTRACTOR SHALL ENSURE UNINTERRUPTED SEWER SERVICE ON EXISTING SEWER AND SERVICE CONNECTIONS BY PROVIDING AMPLE TEMPORARY WASTEWATER PUMPING AND/OR BYPASSING.

CONTRACTOR SHALL MAINTAIN ACCESS TO ALL PROPERTIES.

CONTRACTOR SHALL COORDINATE WITH SARP10 A MINIMUM OF 24 HOURS PRIOR TO BEGINNING ANY CONSTRUCTION.

ALL AREAS IN CUT OR FILL WHERE VEGETATION HAS BEEN REMOVED SHALL BE SEEDED, MULCHED, FERTILIZED, AND/OR SODDED AS REQUIRED TO PREVENT EROSION.

THE CONTRACTOR SHALL VERIFY EXISTING DATA AND REPORT ANY SIGNIFICANT DISCREPANCIES TO THE ENGINEER. ALL SANITARY SEWER TO BE CONSTRUCTED AS PER SARP10 CONSTRUCTION SPECIFICATIONS. SANITARY SEWER SERVICE CONNECTIONS TO BE INSTALLED AS PER CITY OF MEMPHIS STANDARD SST-16.

ALL SEWER MANHOLE LIDS IN OPEN AREAS ARE TO BE CONSTRUCTED 1.5' ABOVE PROPOSED GRADE. IN BACKYARDS, MANHOLE LIDS ARE TO BE 1.5' ABOVE INITIAL GRADE, 0.5' ABOVE FINAL GRADE.

ALL SANITARY SEWER, INCLUDING SERVICE CONNECTIONS, WHICH HAS LESS THAN 1.5' CLEARANCE (OUTSIDE OF PIPES) WITH DRAINAGE OR IN FILLED AREAS SHALL BE CLASS 50 D.I.P. OR CONCRETE ENCASED, 10' MINIMUM BOTH SIDES OF CROSSING. ALL DUCTILE IRON PIPE (D.I.P.) SHALL BE POLYETHYLENE LINED OR SHALL BE TREATED WITH PROTECTO 401 OR APPROVED EQUIVALENT.

THE CITY OF MEMPHIS SHALL HAVE INGRESS/EGRESS RIGHTS TO USE PRIVATE DRIVES AND YARDS FOR THE PURPOSE OF MAINTAINING ALL PUBLIC SEWER LINES AND SHALL BEAR NO RESPONSIBILITY FOR THE MAINTENANCE OF SAID PRIVATE DRIVES AND YARDS.

NO TREES, SHRUBS, PERMANENT STRUCTURES, OR OTHER UTILITIES (EXCEPT FOR CROSSINGS) WILL BE ALLOWED WITHIN SANITARY SEWER EASEMENT. NO OTHER UTILITIES OR SERVICES MAY OCCUPY SANITARY SEWER EASEMENTS IN PRIVATE DRIVES AND YARDS EXCEPT FOR CROSSINGS.

GENERAL NOTES

EROSION CONTROL NOTES:

ALL SPOIL MATERIAL FROM SEWER TRENCHES SHALL BE REMOVED FROM THE WORK SITE IN A TIMELY MANNER.

SEE SHEETS C2.01 & C2.02 FOR ADDITIONAL EROSION CONTROL DETAILS.

ALL SANITARY SEWER MANHOLES IN REVERSE CROWN STREETS, ALLEYS, OR DRIVES (PUBLIC OR PRIVATE) SHALL BE PROVIDED WITH GASKETS AND PLUGS FOR PICK HOLES TO PREVENT DRAINAGE INFLOW INTO SEWER SYSTEM.

THE CONTRACTOR SHALL PROVIDE ADEQUATE AND EFFECTIVE EROSION CONTROL AS NECESSARY TO PREVENT ANY SILTATION INTO EXISTING DRAINAGE SYSTEM AND/OR ADJACENT PROPERTIES.

ALL PROJECTS ARE TO BE TIED TO THE CITY OF MEMPHIS T.B.M. NETWORK. FOR ALL T.B.M. NETWORK DATA, CALL DON AUTRY, CITY OF MEMPHIS SURVEY, AT (901) <u>378–0476</u>.

MANHOLES LOCATED WITHIN THE 100-YEAR FLOOD PLAIN SHOULD EXTEND A MINIMUM OF 12" (1"-0") ABOVE THE 100-YEAR FLOOD LEVEL REGARDLESS OF WHETHER THE MANHOLE IS IN RESIDENTIAL, COMMERCIAL, OR RURAL PROPERTY. AS AN ALTERNATIVE, A MANHOLE LOCATED WITHIN THE 100-YEAR FLOOD PLAIN MUST HAVE A SEALED COVER AND VENT STACK IF IT EXTENDS LESS THAN THE MINIMUM 12" ABOVE THE 100-YEAR FLOOD LEVEL. WITHIN THIS ALTERNATIVE THE VENT STACKS COULD BE LIMITED TO EVERY OTHER MANHOLE IF LOCATED WITHIN A RESIDENTIAL AREA.

DATE	REVISIONS Descriptions Approve	D WARDE W.	SHEET 1 OF 1 SEWER BASIN: LN-	-03 Dwg no. C1.01
3/30/21	RE-ISSUE CONST. GWC	HUNDER CHARLED ENCOLOGIA	DIVISION OF ENGINE	ERING
			GENERAL NO	TES
		- 3/30/21	FROM: 0.63 MI. E OF RALEIGH MILLING TO: 0.15 MI. E OF RALEIGHT MILLINGTO MEMPHIS, TEN	N RD & DUNCAN RD INT.
		- OF TENING	SURVEY: GEODESY DATE: 3/2019	BOOK: 6418-8
				0 SCALE: N/A
	DUNCAN ROAD SA	ANITARY SEWER	DESIGNED: WWL DATE: 07/2020 CHECH	
	IMPROVE	MENTS		
	DEVELOPER: ENGINEER: CANNON			

CONTRACTOR SHALL PROVIDE AND KEEP IN OPERATION ENOUGH SUITABLE PUMPING EQUIPMENT WHENEVER NECESSARY OR WHENEVER DIRECTED TO DO SO BY PURCHASER. CONTRACTOR SHALL GIVE SPECIAL ATTENTION TO EXCAVATIONS FOR THOSE STRUCTURES THAT, PRIOR TO PROPER BACKFILLING, ARE SUBJECT TO FLOTATION FROM HYDROSTATIC UPLIFT. DEWATERING SHALL OCCUR ONLY IN ACCORDANCE WITH APPLICABLE LAWS AND REGULATIONS, APPROVED PERMITS, AND INDUSTRY BEST MANAGEMENT PRACTICES. REFER TO SECTION 02530 SEWER PIPE INSTALLATION. WATER SHALL NOT BE DISCHARGED TO SANITARY SEWERS \square CONTRACTOR MUST LAY THE SEWER LINES SHOWN HEREON TO THE SPECIFIED GRADE. SEWER LINES LAID TO A GRADE LESS THAN THE MINIMUM GRADE OF 0.40% WILL BE REMOVED FROM THE GROUND AND LAID TO THE SPECIFIED GRADE. ANY UPSTREAM LINES AFFECTED BY THE REWORK SHALL BE RECONSTRUCTED AS REQUIRED.

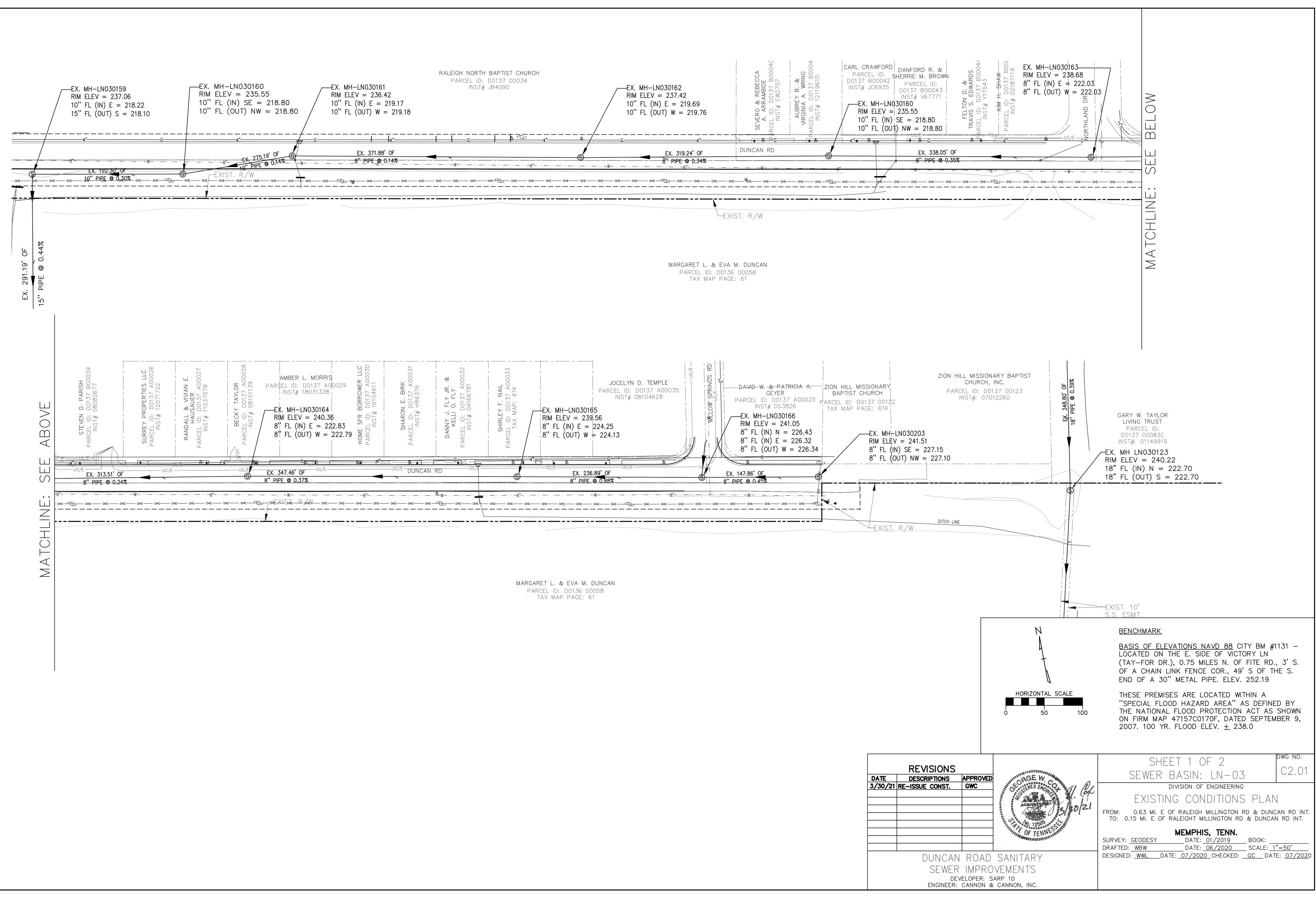
ACCEPTANCE OR REJECTION OF SEWER LINES WILL BE BASED ON AS-BUILT SURVEY. AS-BUILT SURVEY WILL TAKE PLACE AS SOON AS PRACTICAL AFTER MANHOLES ARE BUILT AND LINES CAN BE TESTED FOR ACCEPTANCE.

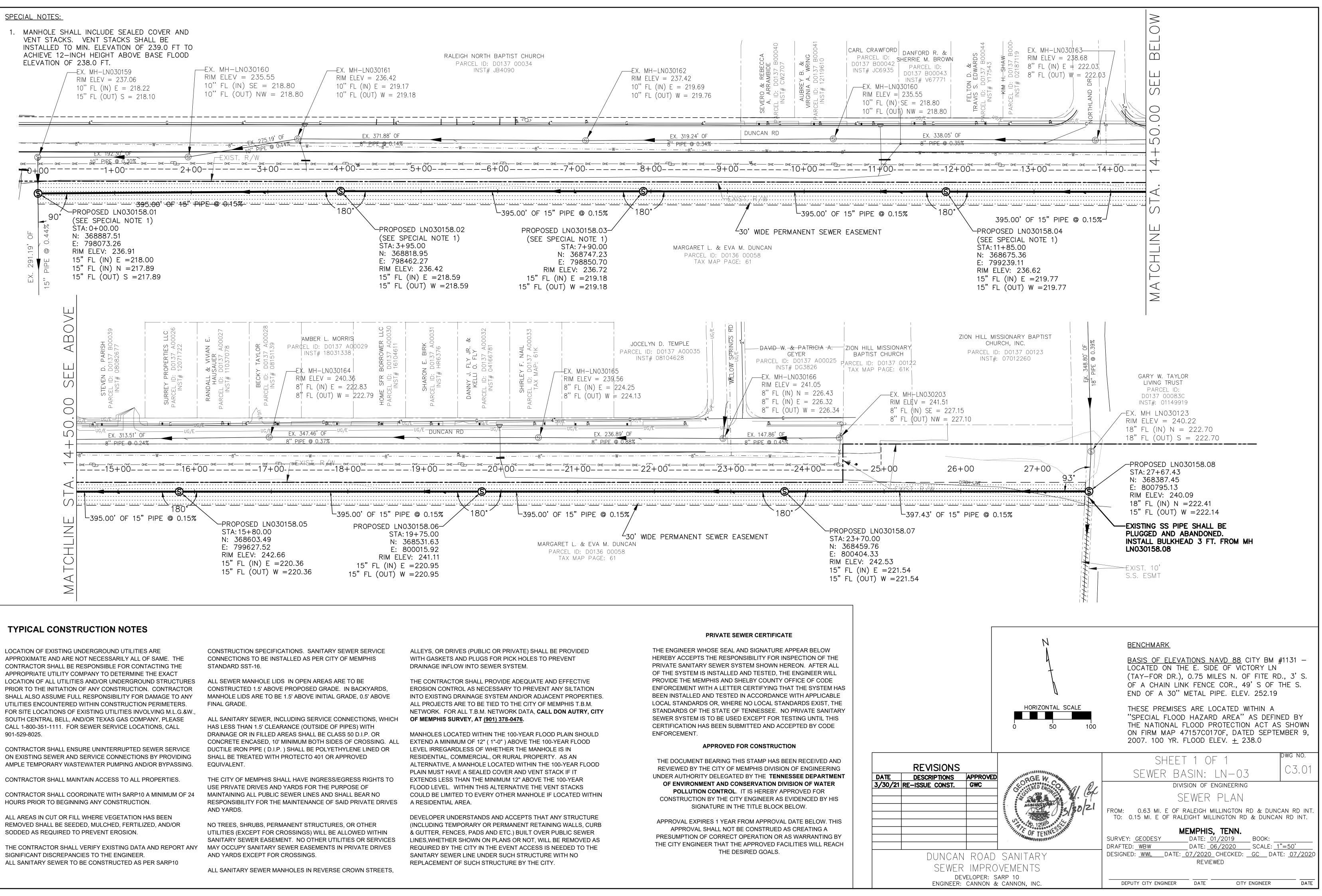
TRAFFIC CONTROL NOTES:

THERE ARE NO TRAFFIC CONTROL PLANS FOR THIS PROJECT.

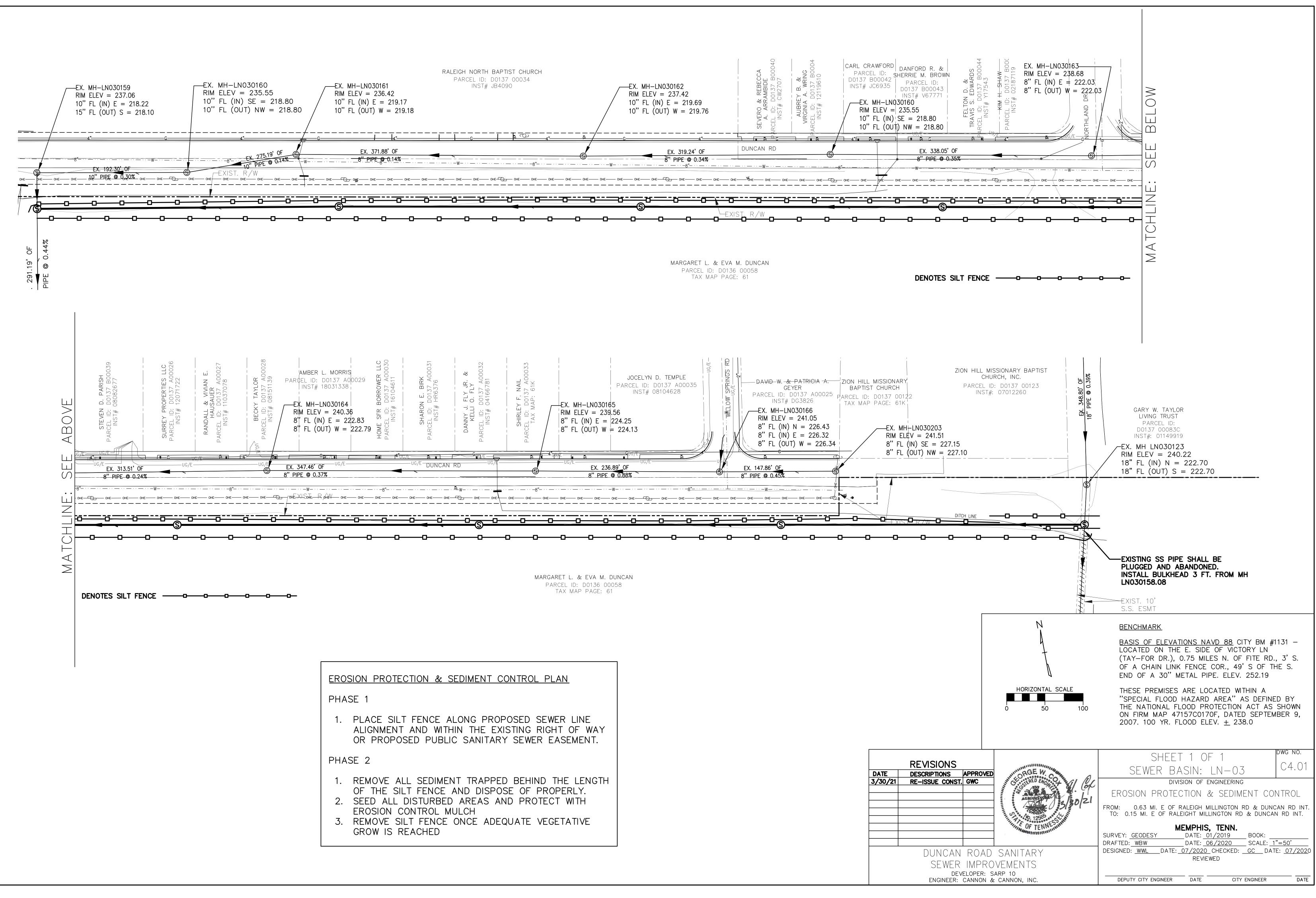
IN ACCORDANCE WITH THE "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES" (M.U.T.C.D.) THE TYPICAL APPLICATIONS THAT SHOULD BE USED ARE (BUT ARE NOT NECESSARILY LIMITED TO) TA-4 AND TA-6.

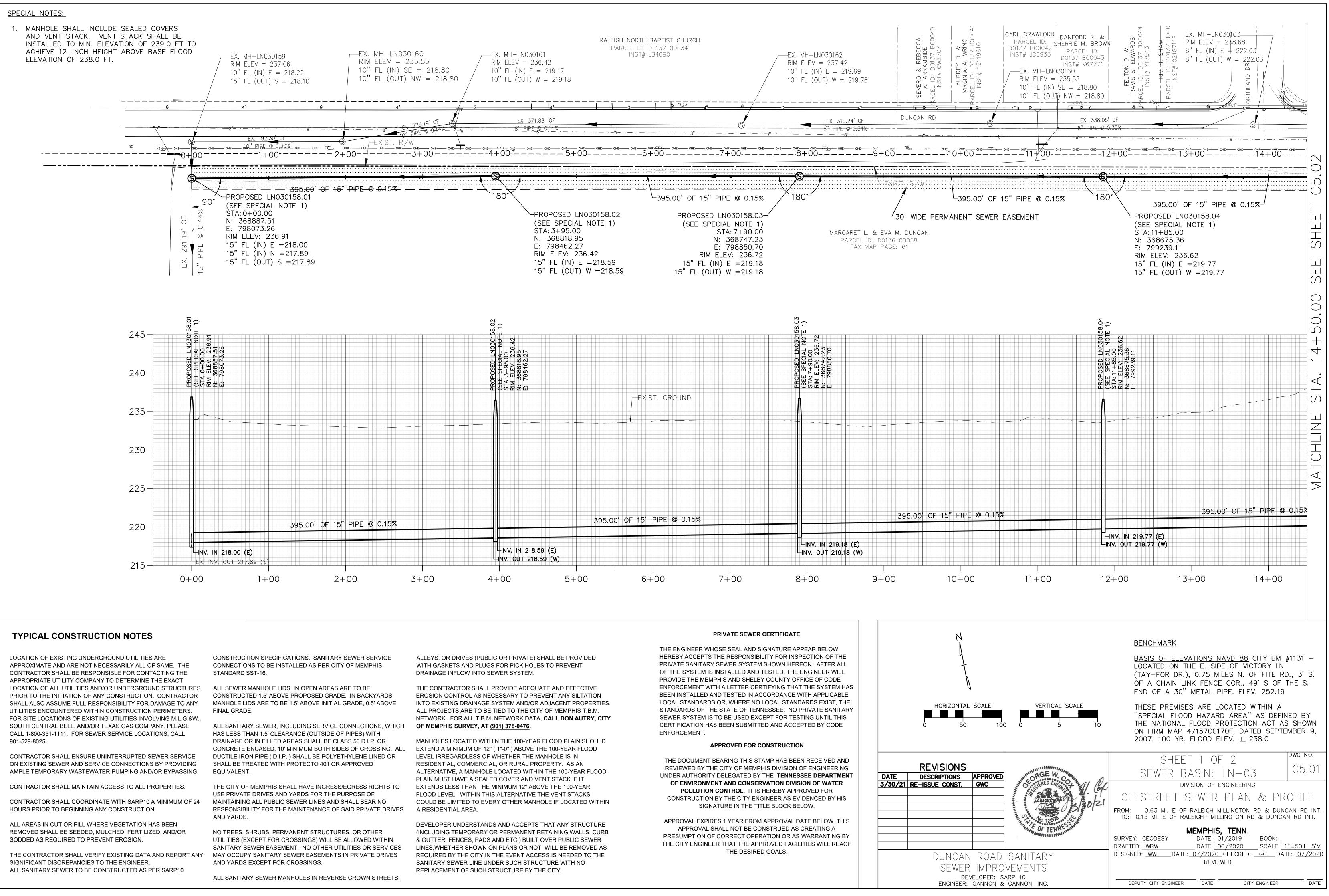
THESE PLANS DO NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF INSTALLING TRAFFIC CONTROL DEVICES IN ACCORDANCE WITH THE CURRENT EDITION OF THE M.U.T.C.D.

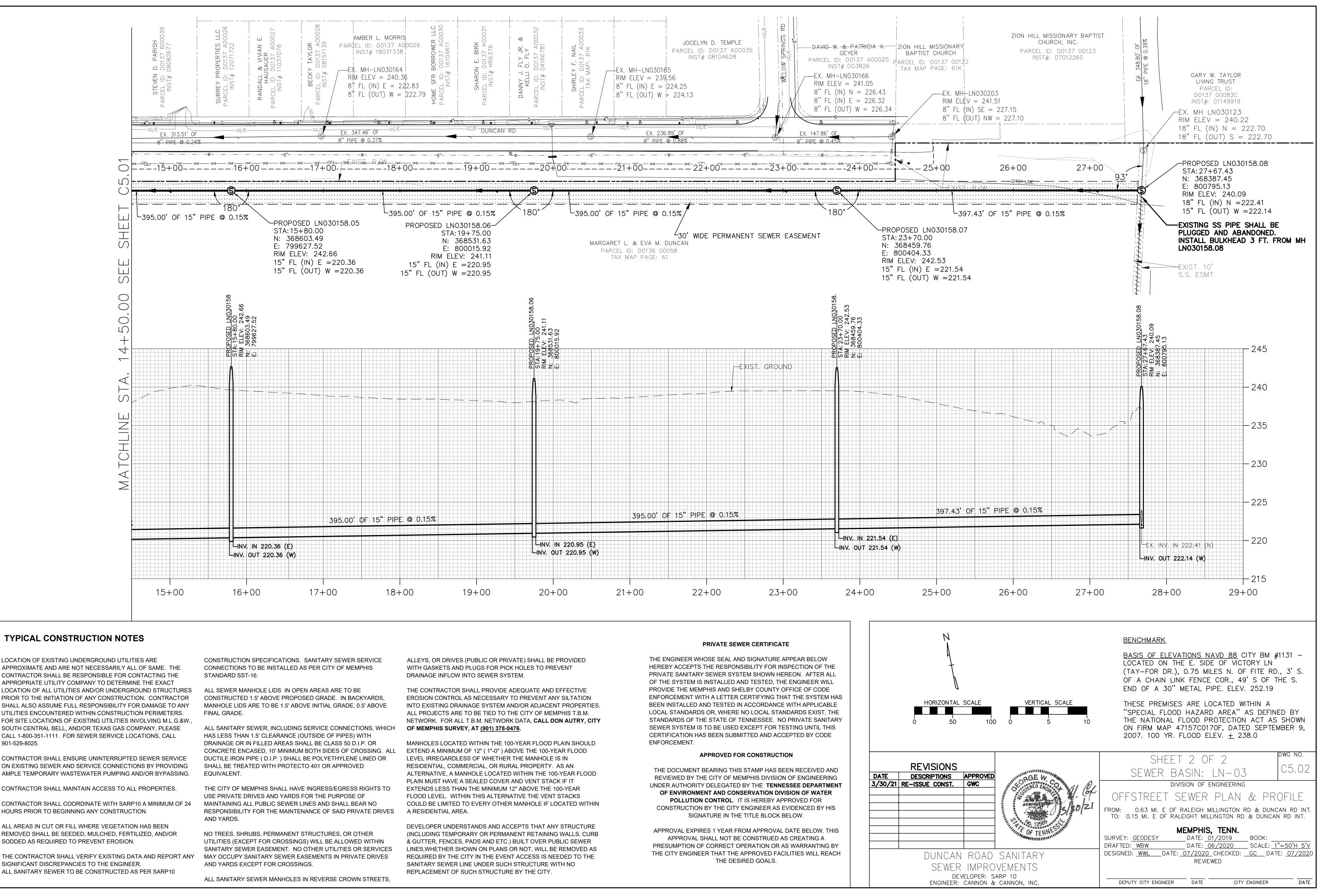




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DATE	
DATE 3/30/21	RE-I







TYPICAL CONSTRUCTION NOTES

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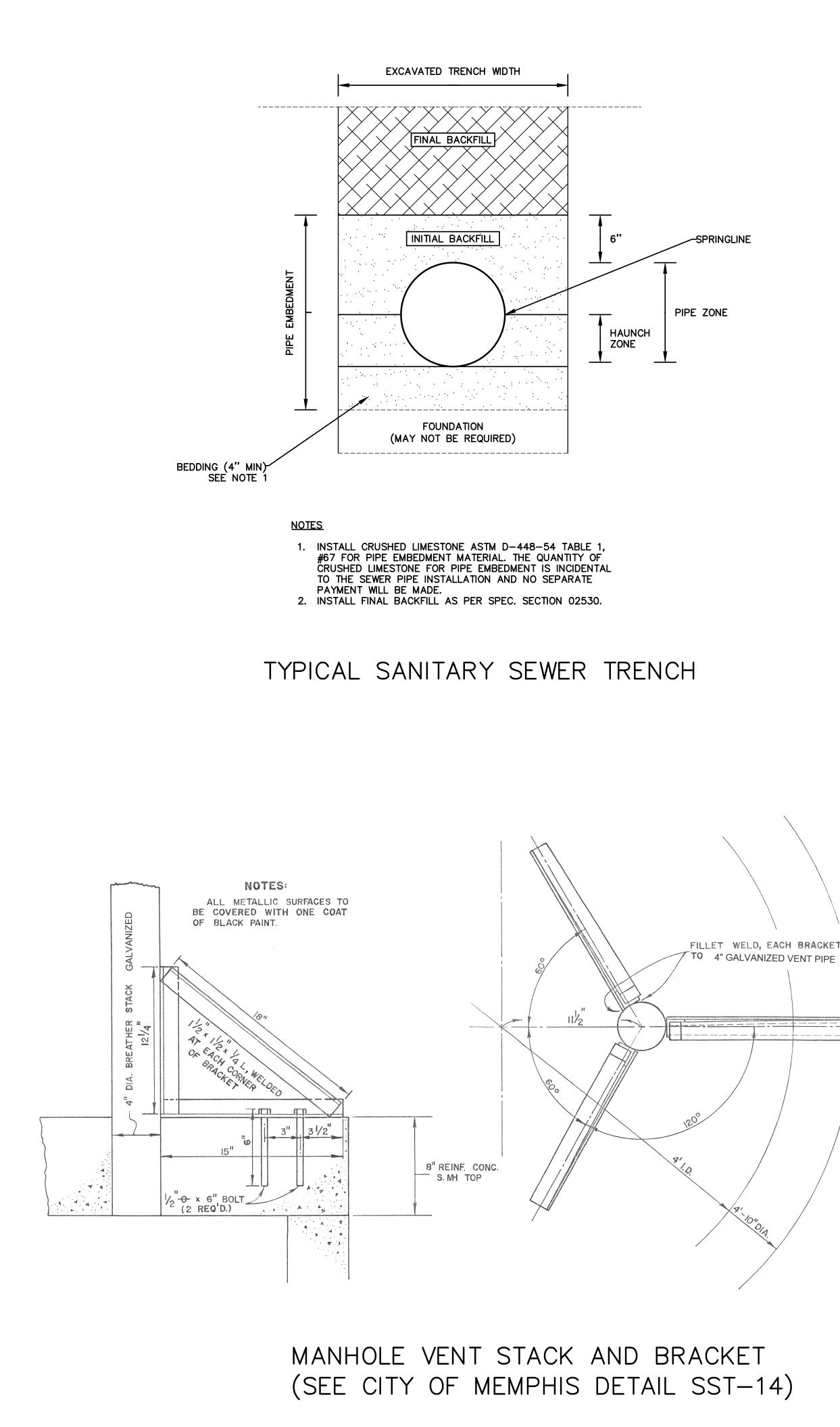
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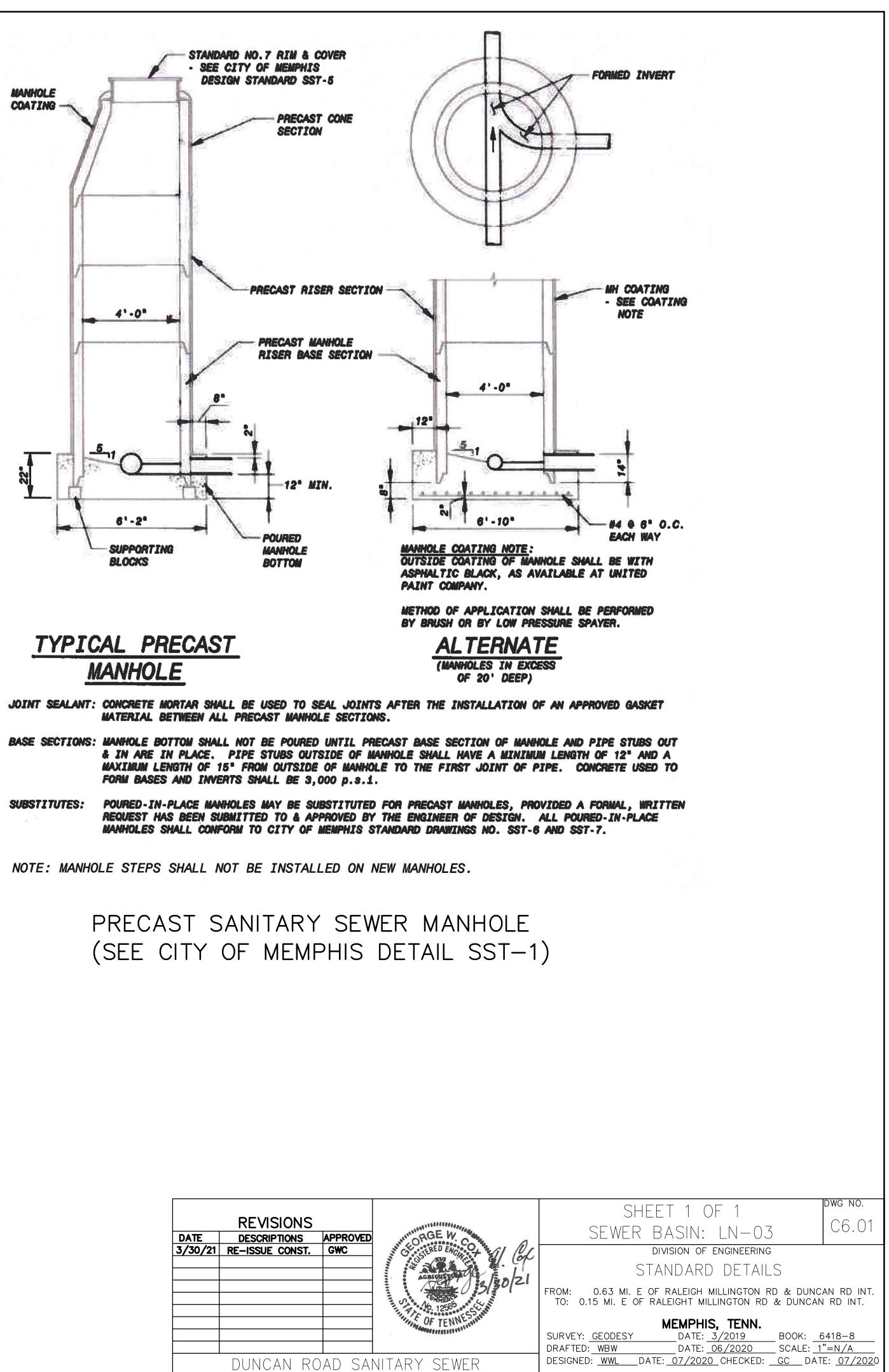
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SIGNIFICANT DISCREPANCIES TO THE ENGINEER. ALL SANITARY SEWER TO BE CONSTRUCTED AS PER SARP10

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IMPROVEMENTS

DEVELOPER: SARP 10 ENGINEER: CANNON & CANNON, INC.

FILLET WELD, EACH BRACKET TO 4" GALVANIZED VENT PIPE

4" DIM. GALVANIZED STEEL PIPE

ELEVATION AS SPECIFIED _____ BY THE ENGINEER THREE BRACKETS REQ'D.