

CITY OF MEMPHIS SHELBY COUNTY, TENNESSEE

BELLEVUE GRAVITY SEWER IMPROVEMENTS JANUARY 2025



LOCATION MAP:
SCALE: 1"=500'

DRAWING INDEX



- C0.1 GENERAL NOTES & LEGEND
- C1.9 OFF-STREET SEWER PLAN (OVERALL)
- C1.10 OFF-STREET SEWER PLAN & PROFILE 1
- C1.11 OFF-STREET SEWER PLAN & PROFILE 2
- C1.12 OFF-STREET SEWER PLAN & PROFILE 3
- C1.13 SEWER ABANDONMENT PLAN
- C1.14 BANK STABILIZATION PLAN
- C2.1 EPSC (PHASE I)
- C2.3 EPSC (PHASE II)
- D1.3 DETAILS
- D1.4 DETAILS
- D1.5 DETAILS
- D1.6 EPSC (DETAILS)
- D1.7 EPSC (DETAILS)
- T1.0 TRAFFIC CONTROL PLAN - PHASE 1
- T1.1 TRAFFIC CONTROL PLAN - PHASE 2
- T1.2 TRAFFIC CONTROL PLAN - N GERMAN TOWN PKWY
- T1.3 CONSTRUCTION ACCESS PLAN - 1



LDA ENGINEERING
110 TYSON BLVD SUITE 200
ALCOA, TENNESSEE 37701
TELEPHONE: 665-573-7672



ABES Engineering, Inc.
2500 Mt. Moriah Rd H229
Memphis, TN 38115

4. LOCATION OF EXISTING UNDERGROUND UTILITIES ARE APPROXIMATE AND ARE NOT NECESSARILY ALL OF THE SAME. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING 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 PERMITS. FOR SITE LOCATIONS OF EXISTING UTILITIES INCLUDING W.L.G.A., SOUTH CENTRAL BELT, AND/OR BOKAROM PARKWAYS, AND OTHER SERVICE CONNECTIONS, PLEASE CALL 811.
5. THE CONTRACTOR SHALL PROVIDE UNDISTURBED SLOPE SURFACE TO EXISTING AND/OR SERVICE CONNECTIONS BY PROVIDING ADEQUATE TEMPORARY WASTEWATER PUMPING AND/OR BYPASSING.
6. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL PROPERTIES.
7. CONTRACTOR SHALL NOTIFY SLOTTY SAVING WITH A MINIMUM OF 24 HOURS PRIOR TO BEGINNING ANY CONSTRUCTION.
8. ALL AREAS IN CUT OR FILL WHERE VEGETATION HAS BEEN REMOVED SHALL BE SEEDED, MULCHED, FERTILIZED, AND/OR SOODED AS REQUIRED TO PREVENT EROSION.
9. THE CONTRACTOR SHALL VERIFY EXISTING DATA AND REPORT ANY SIGNIFICANT DISCREPANCIES TO THE ENGINEER.
10. ALL SANITARY SEWER TO BE CONSTRUCTED AS PER CITY OF MEMPHIS STANDARD CONSTRUCTION SPECIFICATIONS. SANITARY SEWER SERVICE CONNECTIONS TO BE INSTALLED AS PER CITY OF MEMPHIS STANDARD SS-16.
11. ALL SEWER MANHOLE LIDS IN OPEN AREAS TO BE CONSTRUCTED 1.5' ABOVE FINISHED GRADE. MANHOLE BACKSIZES, MANHOLE LIDS ARE TO BE 1.5' ABOVE NATURAL GRADE, 0.5' ABOVE FINAL GRADE.
12. ALL SEWER SERVICE INCLUDING, SERVICE CONNECTIONS, WHICH HAS LESS THAN 1.5' CLEARANCE (OUTSIDE OF PIPES) WITH DRAINAGE OR IN FILLED AREAS SHALL BE CLASS 5 D.I.P. OR CONCRETE ENCASED, 10" MINIMUM BOTH SIDES OF CROSSING. ALL DUCTILE IRON PIPE (D.I.P.) SHALL BE POLYETHYLENE LINE AND SHALL BE TREATED TO PROTECT A01-1.
13. THE CITY OF MEMPHIS SHALL HAVE INTEREST/RIGHTS TO USE PRIVATE DRIVEWAYS AND YARDS FOR THE PURPOSE OF MAINTAINING ALL PUBLIC SEWER LINES AND SHALL BEAR IN RESPONSIBILITY FOR THE MAINTENANCE OF SAID PRIVATE DRIVES AND YARDS.
14. NO TREES, SHRUBS, PERENNIAL STRUCTURES, OR OTHER UTILITIES (EXCEPT FOR CROSSINGS), SHALL BE ALLOWED WITHIN SANITARY SEWER EASEMENT. NO OTHER UTILITIES OF SLOTTY MAY OCCUPY SANITARY SEWER EASEMENTS IN PRIVATE DRIVES AND YARDS CLOSING FOR DRAINAGES.
15. ALL SEWER SERVICE MANHOLES IN REVERSE CORNER STREETS, ALLEYS, OR DRIVES (PUBLIC OR PRIVATE) SHALL BE PROVIDED WITH GASKETS AND PADS FOR PUCK LLOCKS TO PREVENT DAMAGE BEFORE INTO SEWER SYSTEM.
16. CONTRACTOR SHALL PROVIDE MAINTENANCE AND EFFECTIVE EROSION CONTROL, AS NECESSARY TO PREVENT ANY SLATATION INTO DRAINAGE SYSTEM AND/OR ADJACENT PROPERTIES.
17. TRACER WIRE SHALL BE INSTALLED ALONG THE LENGTH OF ALL SEWER PIPES, SERVICE CONNECTIONS, MANHOLES, AND STUBS PER STANDARD CONSTRUCTION SPECIFICATIONS AND SLOTTY (S-1).

1. THE CONTRACTOR SHALL CONTACT THE TENNESSEE ONE-CALL CENTER AT 811 PRIOR TO DIGGING.
2. THE CONTRACTOR SHALL MAINTAIN TRAFFIC AND PROVIDE ADVANCE WARNING SIGNS AND TEMPORARY TRAFFIC CONTROL DEVICES AND ACCORDANCE WITH THE CITY OF MEMPHIS AND TDDOT STANDARDS AND THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). THE CONTRACTOR SHALL FLUORESCENT INSTALL, AND MAINTAIN ADVANCE WARNING SIGNS, TEMPORARY TRAFFIC CONTROL SIGNS AND MARKINGS AS REQUIRED BY THE MUTCD THROUGHOUT CONSTRUCTION. CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN IN ACCORDANCE WITH THE CITY OF MEMPHIS AND TDDOT REQUIREMENTS AND THE LATEST EDITION OF THE MUTCD PRIOR TO ANY CONSTRUCTION ACTIVITIES FOR OWNER APPROVAL.
3. THE CONTRACTOR SHALL MAINTAIN VEHICULAR AND PEDESTRIAN ACCESS TO RESIDENTS AND BUSINESSES THROUGHOUT CONSTRUCTION.
4. REPLACE CRACKS AND ASPHALT DRIVEWAYS BY STRAIGHT LINE SAW CUT 12 INCHES OUTSIDE THE DISTURBED THIEF AREA ON PAVED SURF. REPAIR ON PAVED SURF DRIVEWAYS OF EXISTING CITY STREET AND/OR COUNTY ROAD ON ROADWAY SIDE. SHOULD CUTS FALL WITHIN 2 FEET OF AN EXISTING JUNCT, REPAIR TO JUNCT.
5. EXISTING UTILITY SERVICE LINES, METERS, ETC., DAMAGED DURING CONSTRUCTION ARE TO BE REPAIRED OR REPLACED IN ACCORDANCE WITH THE GOVERNING UTILITY REQUIREMENTS.
6. THESE PLANS ARE BASED ON AN ACTUAL FIELD SURVEY AND LAYOUT OF THE SEWER SYSTEM. ANY DISCREPANCIES BETWEEN THE ACTUAL FIELD LOCATIONS AND THE PLANS SHALL BE IMMEDIATELY COMMUNICATED TO THE DESIGN ENGINEER.
7. CONTRACTOR TO REMOVE EXISTING CULVERTS AND INSTALL NEW CULVERTS UNDER DRAINWAYS AS REQUIRED FOR NEW SEWER LINE INSTALLATION. CULVERT REPLACEMENT COST TO BE INCLUDED IN UNIT PRICE OF NEW SEWER LINE.
8. WATER LINES AND OTHER UTILITIES SHOWN FOR INFORMATIONAL PURPOSES. VERIFY LOCATION PRIOR TO CONSTRUCTION TO PREVENT DAMAGE TO EXISTING UTILITIES.
9. REPLACEMENT OF CONCRETE DITCHES SHALL BE IN ACCORDANCE WITH TDDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
10. EXISTING PIPE SIZES, MATERIALS, MANHOLE DEPTHS, AND LATERAL LOCATIONS TAKEN FROM THE CITY OF MEMPHIS DRAININGS AND FIELD INFORMATION.
11. CONTRACTOR TO VERIFY MANHOLE ANGLES, PIPE TYPES AND SIZES, AND INVERT ELEVATIONS PRIOR TO ORDERING NEW PRECAST MANHOLES.
12. CONTRACTOR SHALL FIELD VERIFY LOCATION OF ALL SEWER LATERALS AND RECONSTRUCT TO NEW SEWER LINE AS NECESSARY.
13. LOCATION OF EXISTING UNDERGROUND UTILITIES ARE APPROXIMATE AND 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 DEPTHS. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING CONSENT FROM UTILITIES TO EXCAVATE. CONTRACTOR SHALL ASSUME THE RESPONSIBILITY FOR ANY UTILITIES ENCOUNTERED WITHIN CONSTRUCTION PERMITS. FOR SITE LOCATION OF EXISTING UTILITIES INCLUDING MCGRAW, SOUTH CENTRAL BELL, AND/OR BROADBANK PIPELINES, PLEASE CALL 811.
14. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL PROPERTIES.
15. THE CONTRACTOR SHALL VERIFY EXISTING DATA AND REPORT ANY SIGNIFICANT DISCREPANCIES TO THE ENGINEER.
16. CONTRACTOR SHALL BE RESPONSIBLE FOR IDENTIFYING AS NEEDED TO PROPERLY AND SAFELY COMPLETE THE WORK.
17. ALL GRADING WORK SHALL BE PERFORMED IN SUCH A MANNER THAT ADJACENT PROPERTIES ARE NOT DAMAGED OR ADVERSELY AFFECTED.
18. CONTRACTOR SHALL EPOXY COAT ALL PROPOSED MANHOLES, HAZARD STRUCTURE, WET WELL, AND FLOW CONTROL MANHOLE, IN ACCORDANCE WITH THE SPECIFICATION.
19. THE SITE IS NOT LOCATED WITHIN A SPECIAL FLOOD HAZARD AREA AS DEFINED BY NATIONAL FLOOD PROTECTION ACT AS SHOWN ON FORM MAP 47157030166 AND 47157031001, BOTH DATED FEBRUARY 05/2013. THE CLOSEST 100-YEAR FLOOD ELEVATION AT THE STORAGE BIN SITE IS 281.0
20. NOTE: THE CONSTRUCTION ACCESS REQUIREMENT FROM APPLING ROAD
21. THE BRIDGE OVER FLETCHER CREEK FROM MARKET FARMS DRIVE TO BELLEVUE PARKWAY IS LIMITED TO 5 TONS.

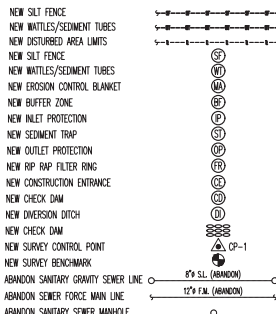
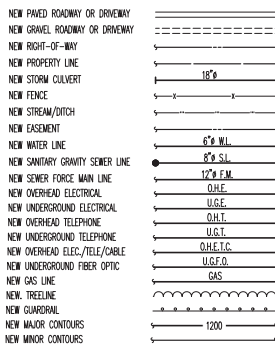
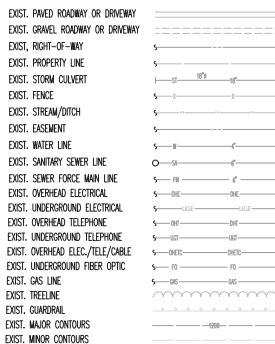
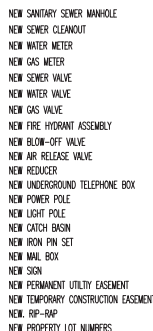
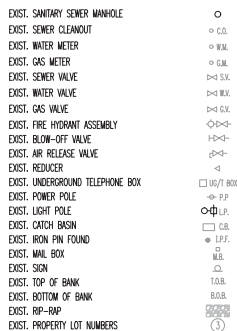
3. ALL SEWER CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS OF THE CITY OF MEMPHIS, STANDARD CONSTRUCTION SPECIFICATIONS AND S&P10.
4. CONNECTIONS TO EXISTING FACILITIES SHALL BE MADE ONLY UNDER THE SUPERVISION OF A REPRESENTATIVE OF S&P10.
5. BACKFILL FOR SEWER LINES UNDER STREETS AND DRIVEWAYS IS TO BE COMPACTED CRUSHED STONE MEETING CITY OF MEMPHIS STANDARDS.
6. AS-BUILT DRAWINGS MUST BE COMPLETED AND SUBMITTED PRIOR TO ACCEPTANCE OF SEWER LINES BY THE CITY OF MEMPHIS.
7. NO OTHER UTILITIES MAY BE INSTALLED IN THE SAME TRENCH AS THE SEWER LINES OR LATERAL SERVICE.
8. CONTRACTOR SHALL DETERMINE "LIE OR ABANDONED" STATUS OF ALL EXISTING SERVICES CONNECTED TO MAIN LINE SEGMENTS AS DESIGNATED FOR REPLACEMENT PRIOR TO THE CONNECTION, ABANDONED OR INACTIVE SERVICES ARE NOT TO BE RECONNECTED TO THE NEW LINE UNLESS DIRECTED BY THE OWNER'S REPRESENTATIVE.
9. CONTRACTOR SHALL RECONNECT TO EXISTING SEWER LINES IN CONJUNCTION WITH NEW MANHOLE INSTALLATION.
10. CONTRACTOR SHALL DISPOSE UNDISTURBED SEWER SERVICES ON EXISTING SEWER AND SERVICE CONNECTIONS BY PROVIDING ADEQUATE TEMPORARY WASTEWATER PUMPING AND/OR BYPASSING.
11. CONTRACTOR SHALL MAINTAIN RECORDS AND REPORT ANY SIGNIFICANT DEVIANCES TO THE ENGINEER.
12. MANHOLES LOCATED WITHIN 100'-YEAR FLOOD PLAIN SHALL EXTEND MINIMUM 12" (1'-0") ABOVE THE 100'-YEAR FLOOD LEVEL, REGARDLESS OF WHETHER THE MANHOLE IS RESIDENTIAL, COMMERCIAL, OR INDUSTRIAL. IF THE MANHOLE IS AN ALTERNATE TO THE 100'-YEAR FLOOD PLAIN, IT SHALL HAVE A SEALED COVER AND VENT STACK IF IT EXTENDS LESS THAN THE MINIMUM 12" ABOVE THE 100'-YEAR FLOOD LEVEL. WITHIN THIS ALTERNATE, THE VENT STACK COULD BE LIMITED TO EITHER OTHER MANHOLE IF LOCATED WITHIN A RESIDENTIAL, AREA, AND ALTERNATIVES OTHER THAN WHAT IS SHOWN ON THE PLANS.

1. TOPSOIL SHALL BE STORED ON-SITE FOR USE IN FINAL SITE PREPARATION IN AREAS TO RECEIVE LANDSCAPING AND SEEDING.
2. DO NOT PLACE ASPHALT, CONCRETE, OR FILL OVER FROTHED OR SATURATED SOILS.
3. PROVIDE POSITIVE DRAINAGE AWAY FROM ALL EARTHWORK.
4. STABILIZED DISTURBED AREAS AFTER COMPLETION OF EARTHWORK.
5. EXCAVATION SLOPES SHALL BE CONSISTENT WITH OSHA REGULATIONS. IN LIEU OF "LAYING BANKS BACK," TIERED LACING AND BRACING, SUCH AS SHIELDING, TIEING ROLES MAY BE UTILIZED IN ACCORDANCE WITH OSHA REGULATIONS. FROTHED EVIDENCE AND CLASSIFICATION OF SOILS IN ACCORDANCE WITH THE RESPONSIBILITY OF THE CONTRACTOR.
6. THE DESIGN OF SHORING SYSTEMS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE PERFORMED BY A COMPETENT PARTY.
7. GROUNDWATER OR PRODUCTS OF WATER ARE PROBABLE IN EXCAVATIONS AND MUST BE CONTROLLED IN A MANNER THAT DOES NOT COMPROMISE THE STABILITY OF THE SUBGRADE FOR STRUCTURES, PAVING, MANHOLES, ETC.

1. CONSTRUCTION ENTRANCES (TO EITHER OFF LAY DOWN AREA, AND TO WORK AREAS) SHALL BE TO MINIMUM 6" DEPTH, 10.0' NO. 1 AND NO. 2 STONE.
2. INSTALL WATERS OR Silt FENCE AS INDICATED ON THE EROSION CONTROL PLANS. SEE DETAILS FOR MORE INFORMATION.
3. STOCK PILES OF SOIL TO BE PROTECTED BY A COMBINATION OF MATS AND Silt FENCE.
4. CONSTRUCTION OF Silt FENCE SHALL BE IN ACCORDANCE WITH THE EROSION CONTROL PLANS FOR LOCATIONS.
5. ALL NEW CUT OR CUT FILL AREAS LACKING Adequate VEGETATION SHALL BE FERTILIZED, MULCHED, SEEDING, AND/OR SOODED TO EFFECTIVELY CONTROL SOIL EROSION.
6. A SPECIAL CONTRACTOR SHALL BE DESIGNATED TO BE RESPONSIBLE FOR EROSION AND SEDIMENT CONTROLS ON EACH PROJECT SITE.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING SOIL EROSION CONTROL MEASURES AS NOTED ON THE PLANS, AS REQUESTED BY THE OWNER DURING CONSTRUCTION, AND AS NECESSARY TO PREVENT SEDIMENT FROM LEAVING THE SITE. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR SATISFYING THE REQUIREMENTS OF THE STATE OF TENNESSEE FOR EROSION CONTROL MEASURES. THE EROSION CONTROL MEASURES SHALL BE MAINTAINED THROUGHOUT THE DURATION OF THE CONTRACT SO AS TO PREVENT ANY SEDIMENTATION FROM WASHING OFF THE SITE ONTO ADJACENT PROPERTY OR PUBLIC HIGHWAY. IF ANY SEDIMENT FENCE SHALL BE NECESSARY TO MAINTAIN THE EROSION CONTROL MEASURES, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE EROSION CONTROL ELEMENTS AS REQUIRED BY THE STATE OF TENNESSEE DEPARTMENT OF WATER POLLUTION CONTROL.
8. A COPY OF THE EROSION CONTROL PLAN MUST BE AVAILABLE ON SITE FOR THE DMPC INSPECTOR ON REQUEST.
9. EROSION AND SEDIMENT CONTROL MEASURES MUST BE IN PLACE AND FUNCTIONAL BEFORE EARTH MOVEMENTS BEGIN AND MUST BE MAINTAINED THROUGHOUT THE DURATION OF THE PROJECT.
10. TEMPORARY MEASURES MUST BE REMOVED AT THE BEGINNING OF THE WORK DAY, AND MUST BE REPLACED AT THE END OF THE WORK DAY OR PRIOR TO RAINFALL EVENTS.
11. ALL CONTROL MEASURES SHALL BE CHECKED AND STATE REQUIREMENTS FOR MAINTENANCE AND REPAIRS SHALL BE MADE AS NECESSARY TO MAINTAIN RAINFALL DAY CHECKING AND REPAIRING MAY BE NECESSARY. THE PERMITTEE SHALL MAINTAIN RECORDS OF INSPECTION CHECKS, MAINTENANCE, AND REPAIRS.

BASIS OF ELEVATIONS NWD 88 CITY - LOCATED ON THE SOUTHEAST CORNER OF GERMAINTOWN PKWY
AND CHIMNEYROCK BLVD, AT BACK OF SIDEWALK, ER ON CHIMNEYROCK BLVD. SIDE. ELEV. 296.21
FLOOD NOTE:
THIS SITE IS NOT LOCATED WITHIN A "SPECIAL FLOOD HAZARD AREA" AS DEFINED BY NATIONAL FLOOD
PROTECTION ACT AS SHOWN ON FIRM MAP 47157C03166 AND 47157C03106, BOTH DATED FEBRUARY
05/2013. THE CLOSEST 100-YEAR FLOOD ELEVATION AT THE STORAGE BASIN SITE IS 281.0

1. THE CONTRACTOR SHALL COORDINATE INGRESS AND EGRESS OPERATIONS WITH SARPIO TO PREVENT DISRUPTION TO CHURCH OPERATIONS AND SPECIAL EVENTS.
2. MAJOR EQUIPMENT DELIVERIES MUST BE SCHEDULED AROUND PEAK CHURCH TRAFFIC TIMES.
3. CONCRETE POURS REQUIRING MULTIPLE TRUCKS MUST BE SCHEDULED AHEAD OF TIME AND CLOSELY COORDINATE WITH SARPIO. MAJOR POURS MY REQUIRE AFTER HOURS WORK AND/OR ADDITIONAL TRAFFIC CONTROLS ON THE SPECIFIED CONSTRUCTION TRAFFIC ROUTE.
4. THE BRIDGE ACROSS FLETCHER CREEK FROM MARKET FARMS DRIVER IS LOAD LIMITED TO 5 TONS. NO MATERIALS OR EQUIPMENT DELIVERIES MAY BE ROUTED ACROSS THE BRIDGE.
5. BELLEVUE PARKWAY MUST REMAIN OPEN UNLESS WORK IN THE ROADWAY IS REQUIRED.



CLOUD

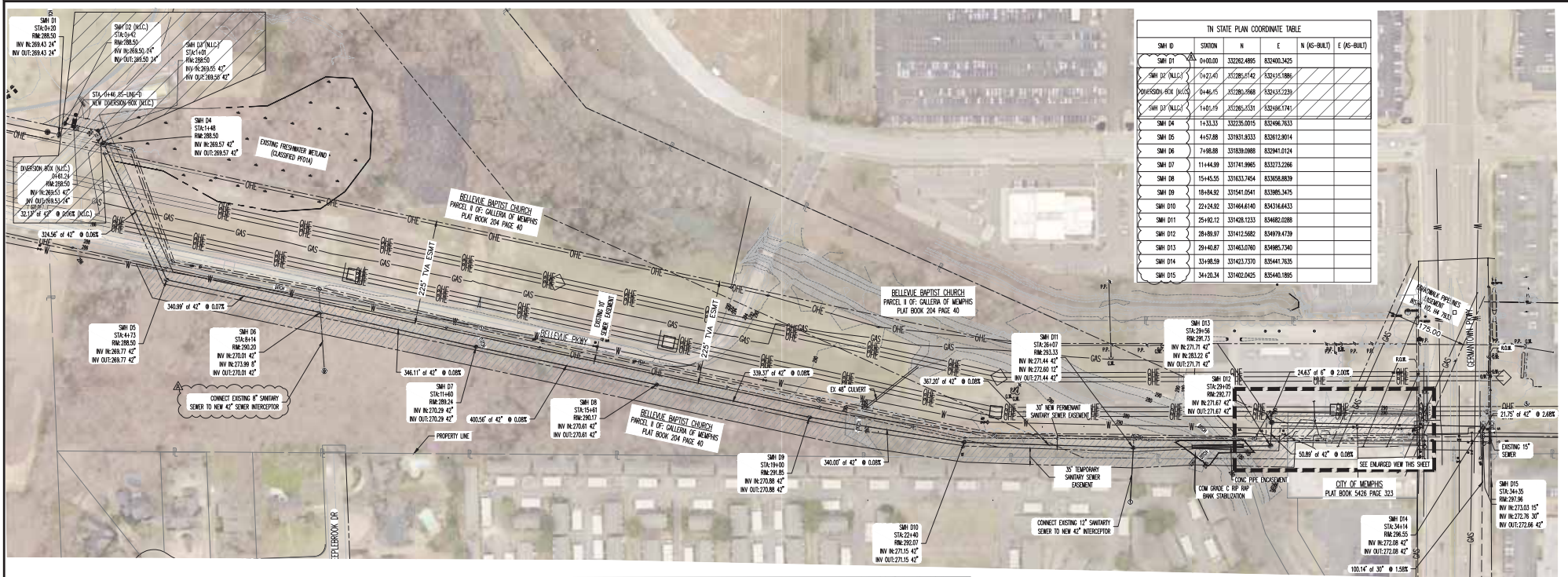
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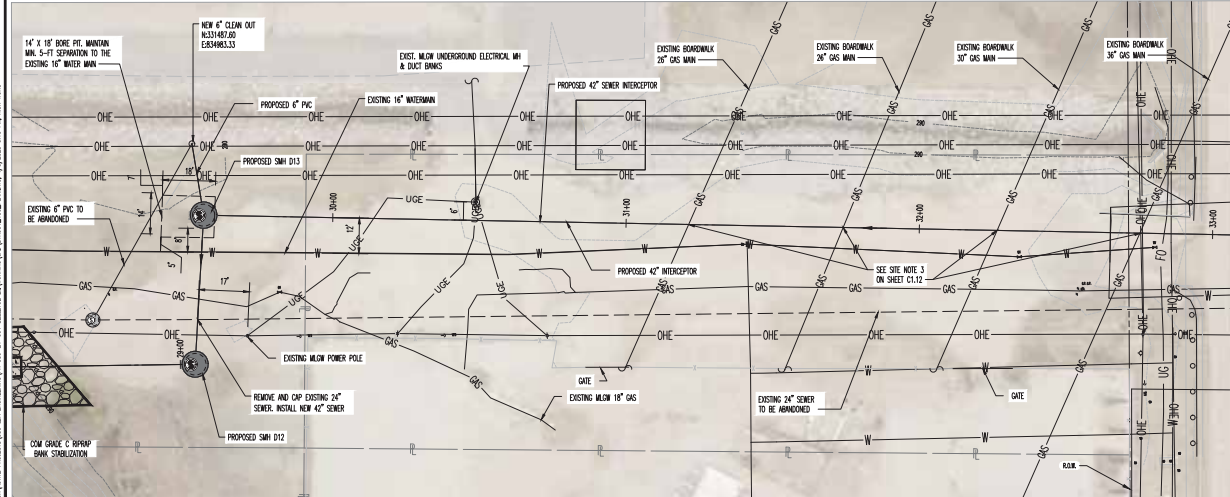
**DIVISION OF ENGINEERING
SARP10
BELLEVUE GRAVITY
SEWER IMPROVEMENTS
GENERAL NOTES & LEGEND
LOCATION: BELLEVUE PARKWAY
MEMPHIS, TENNESSEE**

SURVEY: GEODESY DATE: 4/5/2021 BOOK: _____
DRAWN: ABES DATE: 1/31/2024 SCALE: AS SHOWN
DESIGN: ABES DATE: 1/31/2024 CHECKED: _____ DATE: _____

REVIEWED		
<u>DEPUTY CITY ENGINEER</u>	<u>DATE</u>	<u>CITY ENGINEER</u> <u>DATE</u>
<u>BASIN NO.</u>	<u>FILE FOLDER</u>	<u>SHEET NO.</u>



TN STATE PLAN COORDINATE TABLE				
SMH ID	STATION	N	E	N (S-BUILT) E (S-BUILT)
SMH 01	0+00.00	33282.4885	83240.3425	
SMH 02 (ALL)	0+27.41	33282.5142	83241.5188	
INTERCEPTOR 1 (ALL)	0+46.75	33278.9566	83243.5739	
SMH 03 (ALL)	1+01.19	33282.5551	83246.1741	
SMH 04	1+33.33	33235.0015	83246.7633	
SMH 05	4+57.88	33193.8533	83261.8014	
SMH 06	7+48.88	33193.8988	83261.8124	
SMH 07	11+44.59	33181.9865	83373.2266	
SMH 08	15+45.55	33163.7454	83358.6839	
SMH 09	18+84.92	33154.1641	83385.3475	
SMH 10	22+24.92	33146.6140	83431.6433	
SMH 11	25+92.12	33128.1233	83482.0288	
SMH 12	28+89.97	33112.5682	83497.4739	
SMH 13	29+40.87	33103.0780	83485.7340	
SMH 14	33+88.59	33123.7330	83541.7635	
SMH 15	34+20.34	33102.0425	83540.1865	



SEWER BASIN WN-10

1. 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 ALLIANCE, SOUTH CENTRAL BELL, BROADWALK PIPELINES, AND/OR CITY OF MEMPHIS SERVICES, PLEASE CALL 811.
2. CONTRACTOR SHALL ENSURE UNINTERRUPTED SEWER SERVICE ON EXISTING SEWER PUMPING AND/OR BYPASSING.
3. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL PROPERTIES.
4. CONTRACTOR SHALL NOTIFY SARP10 A MINIMUM OF 24 HOURS PRIOR TO BEGINNING ANY CONSTRUCTION.
5. ALL AREAS IN CUT OR FILL WHERE VEGETATION HAS BEEN REMOVED SHALL BE SEED, MULCH, FERTILIZED, AND/OR SOILED AS REQUIRED TO PREVENT EROSION.
6. THE CONTRACTOR SHALL VERIFY SARP10 DATA AND REPORT ANY SIGNIFICANT DISCREPANCIES TO THE ENGINEER.
7. ALL SANITARY SEWER TO BE CONSTRUCTED AS PER CITY OF MEMPHIS STANDARD CONSTRUCTION SPECIFICATIONS. SANITARY SEWER SERVICE CONNECTIONS TO BE INSTALLED AS PER CITY OF MEMPHIS STANDARD S31-16.
8. 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.
9. 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 DULP OR CONCRETE DRADES, 10' MINIMUM BORE SIZES OF CROSSING. ALL DRADES (DULP OR CONCRETE) SHALL BE POLYETHYLENE LINED OR SHALL BE TREATED WITH PROTECTO 400 APPROVED EQUIVALENT.
10. THE CITY OF MEMPHIS SHALL HAVE INTEREST/ADDRESS RIGHTS TO USE PRIVATE DRADES AND YARDS FOR THE PURPOSE OF MAINTAINING ALL PUBLIC SEWER LINES AND SHALL BEAR NO RESPONSIBILITY FOR THE MAINTENANCE OF SAID PRIVATE DRADES, FENCES AND YARDS.
11. NO TREES, SHRUBS, PERMANENT STRUCTURES, OR OTHER UTILITIES (EXCEPT FOR CROSSINGS) WILL BE ALLOWED WITHIN SANITARY SEWER EASEMENTS. NO OTHER UTILITIES OR SERVICES MAY OCCUPY SANITARY SEWER EASEMENTS IN PRIVATE DRADES AND YARDS EXCEPT FOR CROSSINGS.
12. ALL SANITARY SEWER MANHOLES IN REVERSE DRAIN STREETS, ALLEYS, OR DRIVES (PUBLIC OR PRIVATE) SHALL BE PROVIDED WITH GASKETS AND PLUGS FOR POCK HOLES TO PREVENT DRAINAGE INFLOW INTO SEWER SYSTEM.
13. THE CONTRACTOR SHALL PROVIDE ADEQUATE AND EFFECTIVE EROSION CONTROL AS NECESSARY TO PREVENT ANY OUTFLOW INTO EXISTING DRAINAGE SYSTEM AND/OR ADJACENT PROPERTIES.
14. TRACER WIRE SHALL BE INSTALLED ALONG THE LENGTH OF ALL SEWER PIPES, SERVICE CONNECTIONS, MANHOLES AND STUBS PER STANDARD CONSTRUCTION SPECIFICATIONS AND STANDARD DETAIL (S31-17).

SEWER BASIN WN-10

SEWER IMPROVEMENTS
OFF-STREET SEWER PLAN (OVERALL)

ITEM	DESCRIPTION	APPROVED
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SURVEY: GEODESY	DATE: 4/5/2021	BOOK:	
DRAWN: ABES	DATE: 3/10/2025	SCALE: AS SHOWN	
DESIGN: ABES	DATE: 3/10/2025	CHECKED: _____	
REVIEWED			
DEPUTY CITY ENGINEER	DATE	CITY ENGINEER	DATE
BASIN NO.	FILE FOLDER	SHEET NUMBER	

SEWER BASIN WN-10

SHEET 1 OF 4

DIVISION OF ENGINEERING
SARP10
BELLEVUE EQ. BASIN & GRAVITY
SEWER IMPROVEMENTS
OFF-STREET SEWER PLAN (OVERALL)

LOCATION: BELLEVUE PARKWAY
MEMPHIS, TENNESSEE

DATE: 4/5/2021

BOOK: _____

SCALE: AS SHOWN

CHECKED: _____

DATE: _____

REVIEWED

DEPUTY CITY ENGINEER

DATE

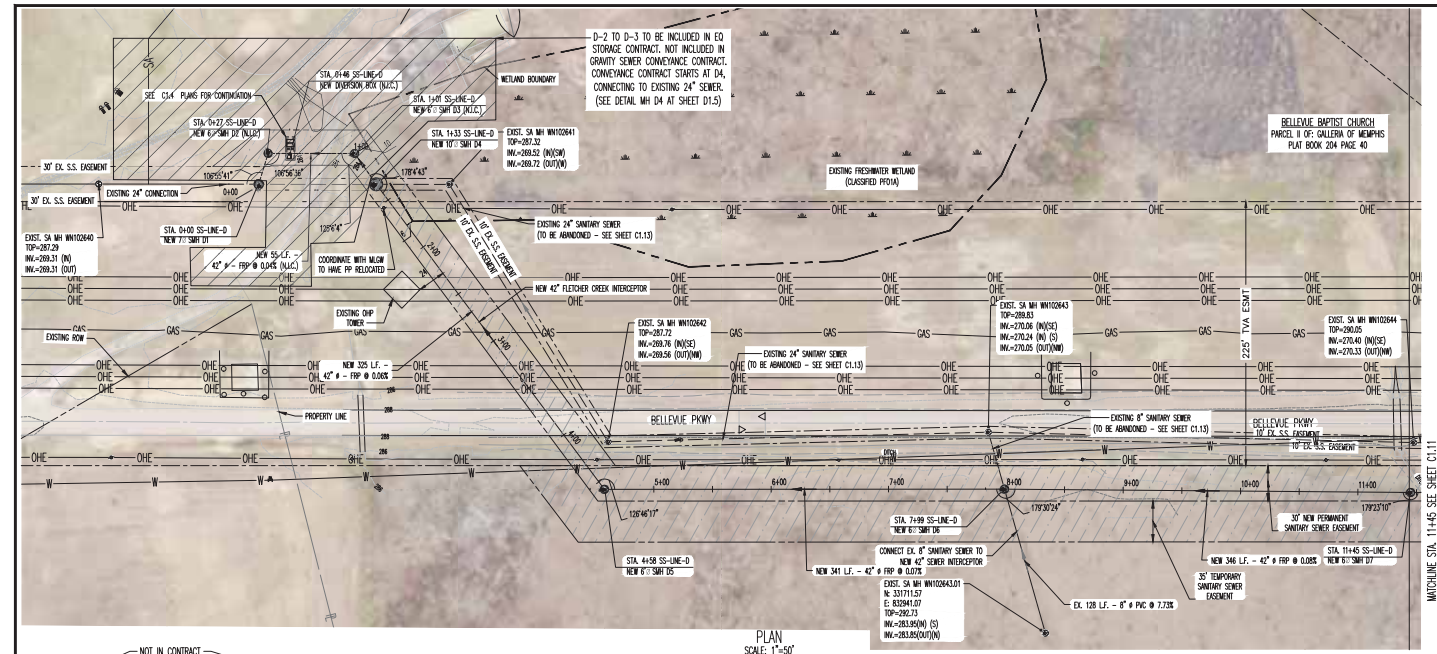
CITY ENGINEER

DATE

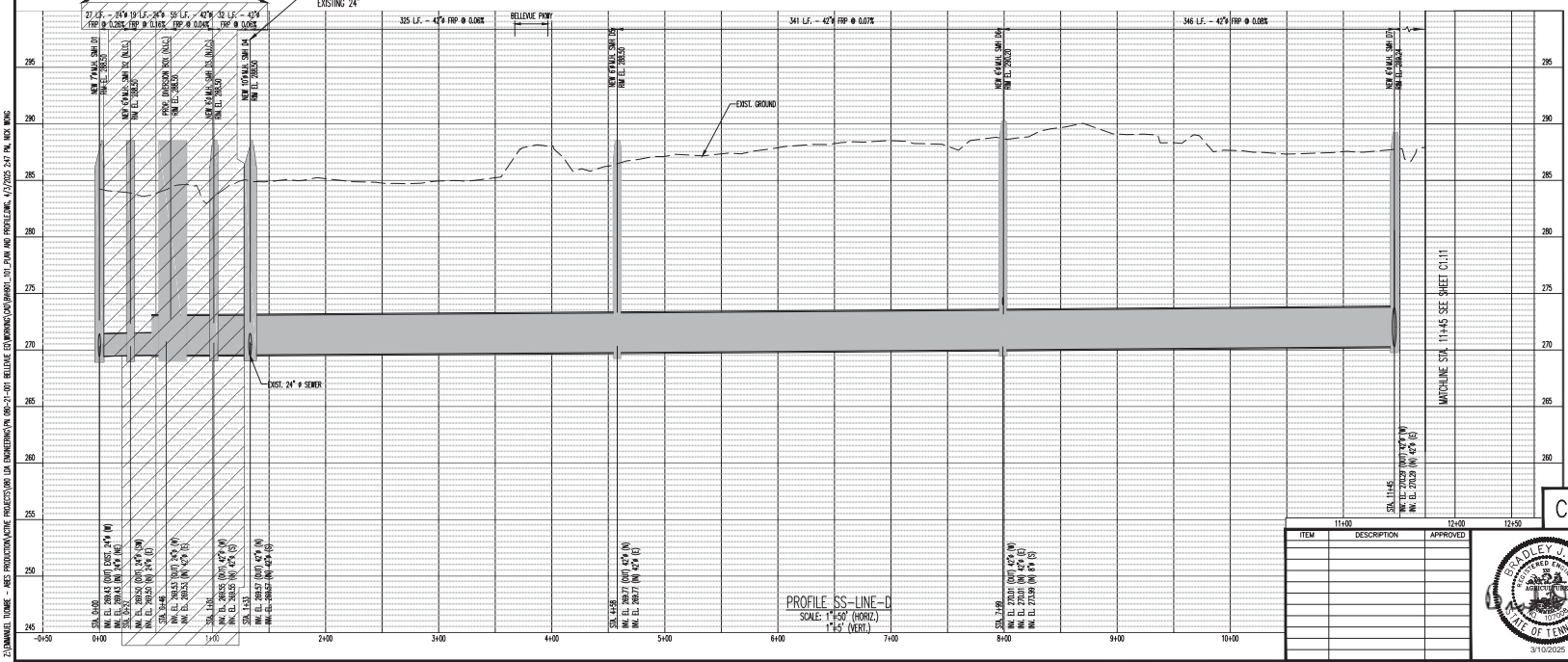
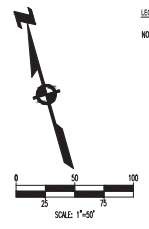
BASIN NO.

FILE FOLDER

SHEET NUMBER



- SANITARY SEWER NOTES**
1. 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 WHEN CONSTRUCTION PERMITS. FOR SITE LOCATIONS OF EXISTING UTILITIES INVOLVING ALLIANCE, SOUTH CENTRAL BELL, SOUTHWESTERN PIPELINE, AND/OR CITY OF MEMPHIS SEWER, PLEASE CALL 811.
 2. CONTRACTOR SHALL LOCATE UNINTERRUPTED SEWER SERVICE ON EXISTING SEWER AND SERVICE CONNECTIONS BY PROVIDING ADEQUATE TEMPORARY MAINTENANCE PUMPING AND/OR BYPASSING.
 3. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL PROPERTIES.
 4. CONTRACTOR SHALL NOTIFY SAPPD A MINIMUM OF 24 HOURS PRIOR TO BEGINNING ANY CONSTRUCTION.
 5. ALL AREAS IN CUT OR FILL WHERE VEGETATION HAS BEEN REMOVED SHALL BE SEEDING, MULCHED, FERTILIZED, AND/OR SOODED AS REQUIRED TO PREVENT EROSION.
 6. THE CONTRACTOR SHALL VERIFY EXISTING DATA AND REPORT ANY SIGNIFICANT DISCREPANCIES TO THE ENGINEER.
 7. ALL SANITARY SEWER TO BE CONSTRUCTED AS PER CITY OF MEMPHIS STANDARD CONSTRUCTION SPECIFICATIONS. SANITARY SEWER SERVICE CONNECTIONS TO BE INSTALLED AS PER CITY OF MEMPHIS STANDARD SS1-16.
 8. 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 FINISH GRADE, 0.5' ABOVE FINISH GRADE.
 9. ALL SANITARY SEWER, INCLUDING SERVICE CONNECTIONS, WHICH HAS LESS THAN 1.5' CLEARANCE (OUTSIDE OF PIPES) WITH DRAINAGE OR IN FILLED AREAS SHALL BE CLASSED 36" DUCTILE IRON PIPE (DIP) OR CONCRETE CULVERT, 10' MINIMUM WITH SIDES OF CROSSING. ALL DUCTILE IRON PIPE (DIP) SHALL BE POLYETHYLENE LINED OR SHALL BE TREATED WITH PROTECTO 401 OR APPROVED EQUIVALENT.
 10. THE CITY OF MEMPHIS SHALL HAVE INDEMNITY/EXCESS 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, FENCES AND YARDS.
 11. NO TREES, DRIVES, 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.
 12. ALL SANITARY SEWER MANHOLES IN REVERSE CROWN STREETS, ALLEYS, OR DRIVES (PUBLIC OR PRIVATE) SHALL BE PROVIDED WITH GASKETS AND PLUGS FOR POK HOLE TO PREVENT DRAINAGE BELOW INTO SEWER SYSTEM.
 13. THE CONTRACTOR SHALL PROVIDE ADEQUATE AND EFFECTIVE EROSION CONTROL, AS NECESSARY TO PREVENT ANY SITUATION INTO EXISTING DRAINAGE SYSTEM AND/OR ADJACENT PROPERTIES.
 14. GRADEWIDE SHALL BE INSTALLED ALONG THE LENGTH OF ALL SEWER PIPES, SERVICE CONNECTIONS, MANHOLES AND STUBS PER STANDARD CONSTRUCTION SPECIFICATIONS AND STANDARD DETAIL (SS1-17).



BASE OF ELEVATIONS WOULD BE CITY 040235 - LOCATED ON THE SOUTHEAST CORNER OF GERMAINWAY PARKWAY AND CHANNERYCROCK BLDG. AT BACK OF SEWERAL, ER ON CHANNERYCROCK BLDG. SEE. ELEV. 296.21

THESE PREMISES ARE NOT LOCATED WITHIN A "SPECIAL FLOOD HAZARD AREA" AS DETERMINED BY NATIONAL FLOOD PROTECTION ACT AS SHOWN ON FEMA MAP 47152022B AND 47152022C, DATED FEBRUARY 05, 2015.

SEWER BASIN WN-10 SHEET 2 OF 4



C1.10

SEWER IMPROVEMENTS

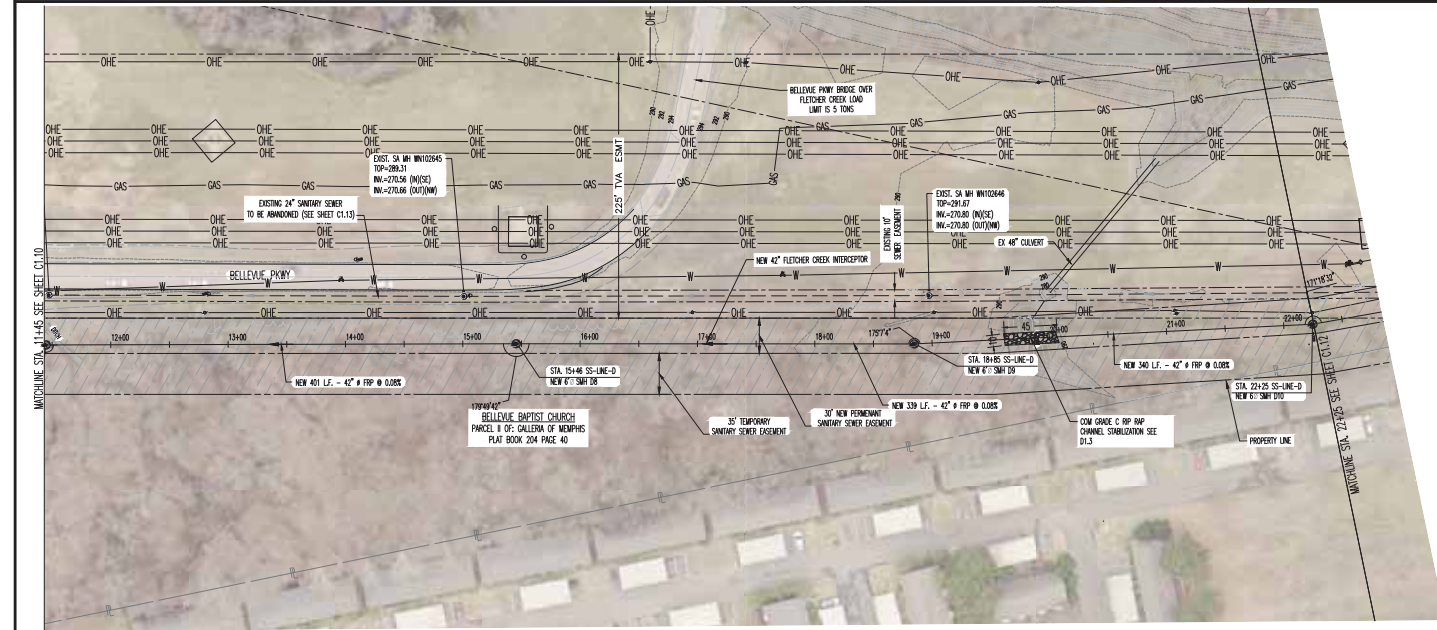
OFF-STREET SEWER PLAN & PROFILE 1

LOCATION: BELLEVUE PARKWAY
MEMPHIS, TENNESSEE

SURVEY: GEODESY DATE: 4/5/2021 BOOK:
DRAWN: ABES DATE: 3/10/2022 SCALE: AS SHOWN
DESIGN: ABES DATE: 3/10/2022 CHECKED: DATE:

REVIEWED

DEPUTY CITY ENGINEER	DATE	CITY ENGINEER	DATE
BASIN NO.	FILE FOLDER	SHEET NUMBER	



SANITARY SEWER NOTES

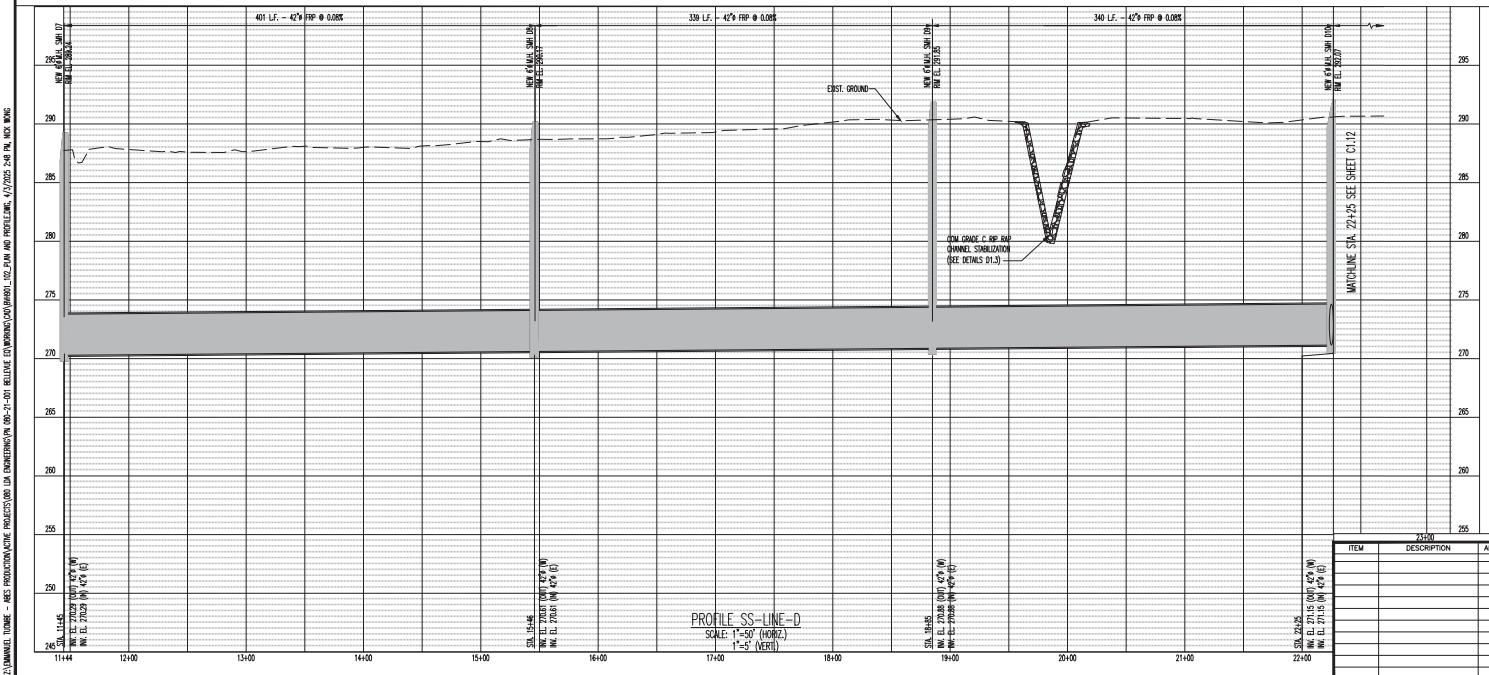
1. LOCATION OF EXISTING UNDERGROUND UTILITIES ARE APPROXIMATE AND ARE NOT NECESSARILY ALL OF SAME. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTRACTING THE APPROPRIATE UTILITY COMPANY TO DETERMINE THE EXACT LOCATION OF ALL UTILITIES AND/OR UNDERGROUND STRUCTURES PRIOR TO THE INITIATION OF ANY CONSTRUCTION. CONTRACTOR SHALL ALSO ASSUME FULL RESPONSIBILITY FOR DAMAGES TO ANY UTILITIES ENCOUNTERED WITHIN CONSTRUCTION PERIMETERS. FOR SITE LOCATIONS OF EXISTING UTILITIES INVOLVING M.L.E.A.M., SOUTH CENTRAL BELL, BORDEN/ALX PRELINES, AND/OR CITY OF MEMPHIS SEWER, PLEASE CALL 311.
2. CONTRACTOR SHALL ENSURE UNINTERRUPTED SEWER SERVICE ON EXISTING SEWER AND SERVICE CONNECTIONS BY PROVIDING ADEQUATE TEMPORARY WASTEWATER PUMPING AND/OR BYPASSING.
3. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL PROPERTIES.
4. CONTRACTOR SHALL NOTIFY SARP10 A MINIMUM OF 24 HOURS PRIOR TO BEGINNING ANY CONSTRUCTION.
5. ALL AREAS IN CUT OR FILL WHERE VEGETATION HAS BEEN REMOVED SHALL BE SEEDED, MULCHED, FERTILIZED, AND/OR SODDED AS REQUIRED TO PREVENT EROSION.
6. THE CONTRACTOR SHALL VERIFY EXISTING DATA AND REPORT ANY SIGNIFICANT DISCREPANCIES TO THE ENGINEER.
7. ALL SANITARY SEWER TO BE CONSTRUCTED AS PER CITY OF MEMPHIS STANDARD CONSTRUCTION SPECIFICATIONS. SANITARY SEWER SERVICE CONNECTIONS TO BE INSTALLED AS PER CITY OF MEMPHIS STANDARD SSI-16.
8. 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.
9. 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.
10. 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, FENCES AND YARDS.
11. 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.
12. ALL SANITARY SEWER MANHOLES IN REVERSE DRAIN STREETS, ALLEYS, OR DRIVES (PUBLIC OR PRIVATE) SHALL BE PROVIDED WITH GASKETS AND PLUGS FOR POK HOLES TO PREVENT DRAINAGE FROM INTO SEWER SYSTEM.
13. THE CONTRACTOR SHALL PROVIDE ADEQUATE AND EFFECTIVE EROSION CONTROL AS NECESSARY TO PREVENT ANY SITUATION INTO EXISTING DRAINAGE SYSTEM AND/OR ADJACENT PROPERTIES.
14. TRACKER WIRE SHALL BE INSTALLED ALONG THE LENGTH OF ALL SEWER PIPES, SERVICE CONNECTIONS, MANHOLES AND STUBS PER STANDARD CONSTRUCTION SPECIFICATIONS AND STANDARD DETAIL (SS-17).

BENCHMARK

BENCH OF ELEVATION MARK 88 CITY 04/2/20 - LOCATED ON THE SOUTHWEST CORNER OF GERMANTOWN PARK AND CHERRYWOOD BLVD, AT BACK OF SHERMAN, EX ON CHERRYWOOD BLVD, SEE ELEV. 296.21

THESE PRELIMINARIES ARE NOT LOCATED WITHIN A "SPECIAL FLOOD HAZARD AREA" AS DEFINED BY NATIONAL FLOOD PROTECTION ACT AS SHOWN ON FIRM MAP 471520316C AND 471520316D, DATED FEBRUARY 05, 2013.

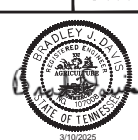
PLAN
SCALE: 1"=50'



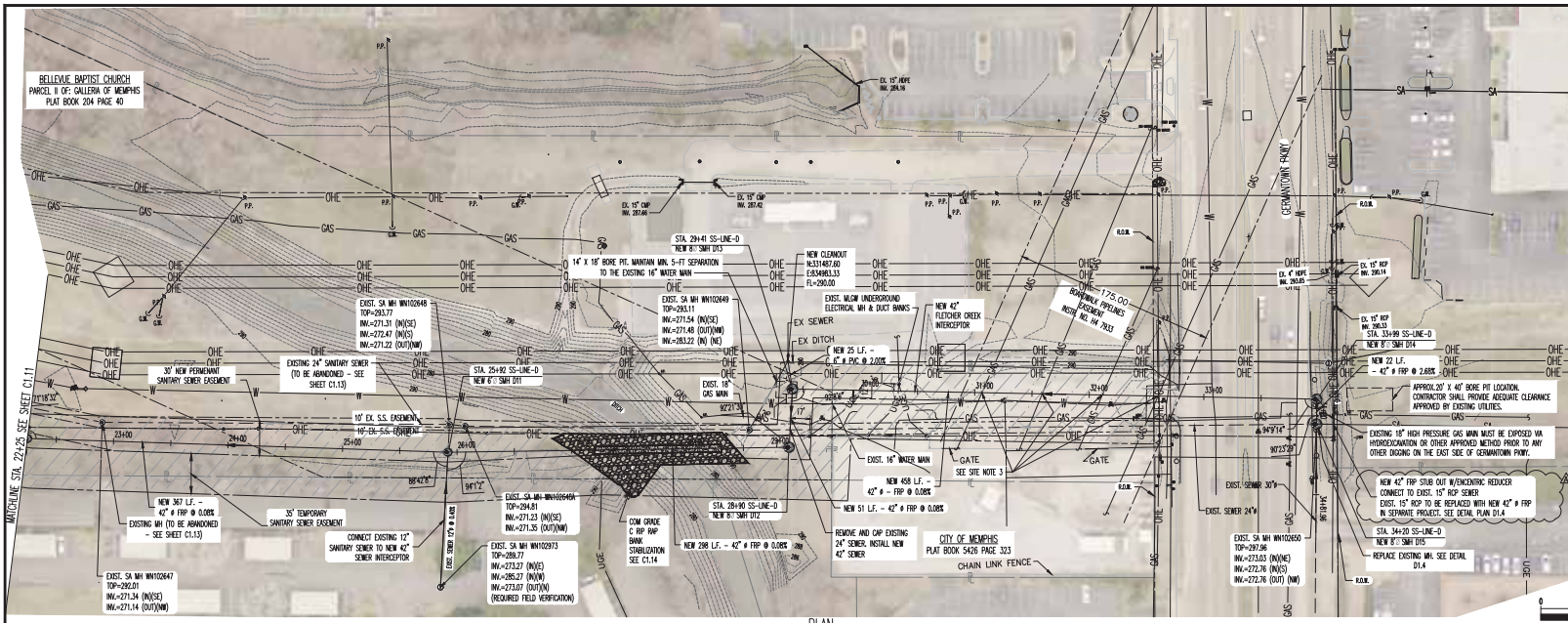
PROFILE SS-LINE-D
SCALE: 1"=50' (HORIZ.)
1"=2' (VERT.)

SEWER BASIN WN-10
SHEET 3 OF 4

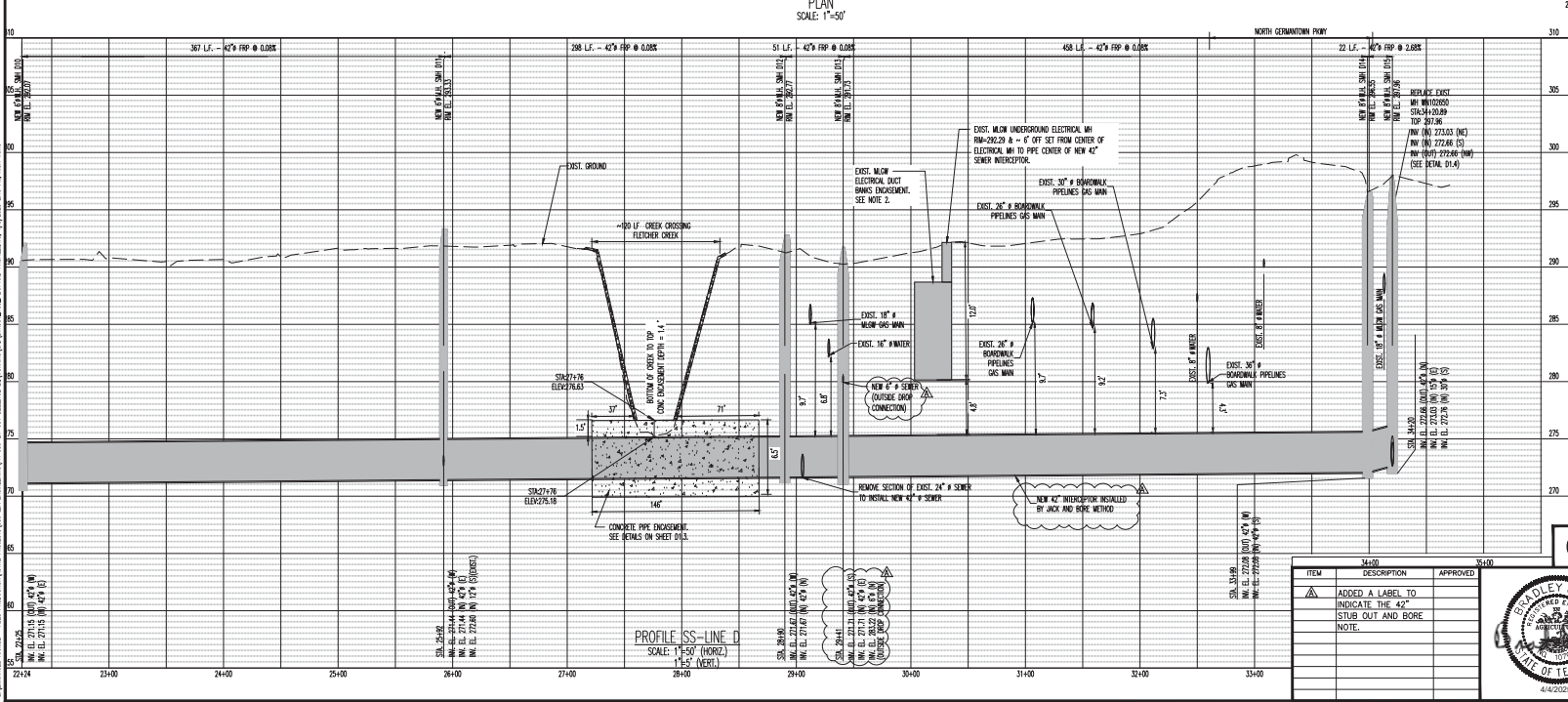
C1.11



DIVISION OF ENGINEERING SARP10 BELLEVUE EQ. BASIN & GRAVITY SEWER IMPROVEMENTS OFF-STREET SEWER PLAN & PROFILE 2			
LOCATION: BELLEVUE PARKWAY MEMPHIS, TENNESSEE			
SURVEY: GEODESY	DATE: 4/5/2021	BOOK:	
DRAWN: ABES	DATE: 3/10/2025	SCALE: AS SHOWN	
DESIGN: ABES	DATE: 3/10/2025	CHECKED:	
REVIEWED			
DEPUTY CITY ENGINEER	DATE	CITY ENGINEER	DATE
BASIN NO.	FILE FOLDER	SHEET NUMBER	



- SEWER SERVICE NOTES**
1. 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 FOR UNDERGROUND STRUCTURES PRIOR TO THE INITIATION OF ANY CONSTRUCTION. CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR DAMAGE TO ANY UTILITIES ENCOUNTERED WITHIN CONSTRUCTION PERIMETERS. FOR SITE LOCATIONS OF EXISTING UTILITIES INVOLVING MCGRAW-HILL, SOUTH CENTRAL BELL, BORDEN PIPELINES, AND/OR CITY OF MEMPHIS, SEWER, PLEASE CALL 811.
 2. CONTRACTOR SHALL ENSURE UNINTERRUPTED SEWER SERVICE ON EXISTING SEWER AND SERVICE CONNECTIONS BY PROVIDING AMPLE TEMPORARY WASTEWATER PUMPING AND/OR BYPASSING.
 3. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL PROPERTIES.
 4. CONTRACTOR SHALL NOTIFY SARP10 A MINIMUM OF 24 HOURS PRIOR TO BEGINNING ANY CONSTRUCTION.
 5. ALL AREAS IN CUT OR FILL WHERE STABILIZATION HAS BEEN REMOVED SHALL BE SEED, MULCH, FERTILIZED, AND/OR SODDED AS REQUIRED TO PREVENT EROSION.
 6. THE CONTRACTOR SHALL VERIFY EXISTING DATA AND REPORT ANY SIGNIFICANT DISCREPANCIES TO THE ENGINEER.
 7. ALL SANITARY SEWER TO BE CONSTRUCTED AS PER CITY OF MEMPHIS STANDARD CONSTRUCTION SPECIFICATIONS. SANITARY SEWER SERVICE CONNECTIONS TO BE INSTALLED AS PER CITY OF MEMPHIS STANDARD SET-16.
 8. 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 FINISH GRADE, 1'5" ABOVE FINISH GRADE.
 9. ALL SANITARY SEWER, INCLUDING SERVICE CONNECTIONS, WHICH HAVE LESS THAN 1'5" CLEARANCE (OUTSIDE OF PIPES) WITH DRAINAGE OR IN FILL AREAS SHALL BE CLASS 50 DUMP OR CONCRETE ENCASED, WITH MINIMUM BOTH SIDES OF CROSSING. ALL DUCTILE IRON PIPE (DIP) SHALL BE POLYETHYLENE LINED OR SHALL BE TREATED WITH PROTECTANT 401 OR APPROVED EQUIVALENT.
 10. THE CITY OF MEMPHIS SHALL HAVE INDICES/DEGRESS 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, FENCES AND YARDS.
 11. NO TREES, SHRUBS, PERMANENT STRUCTURES, OR OTHER UTILITIES (EXCEPT FOR CROSSINGS) WILL BE ALLOWED WITHIN SANITARY SEWER EXCAVATION. NO OTHER UTILITIES OR SERVICES MAY OCCUPY SANITARY SEWER EXCAVATION IN PRIVATE DRIVES AND YARDS EXCEPT FOR CROSSINGS.
 12. ALL SANITARY SEWER MANHOLES IN REVERSE DRAINAGE, ALLEYS, OR DRIVES (PUBLIC OR PRIVATE) SHALL BE PROVIDED WITH GASKETS AND PLUGS FOR PICK HOLES TO PREVENT DRAINAGE INFLOW INTO SEWER SYSTEM.
 13. CONTRACTOR SHALL PROVIDE ADEQUATE AND EFFECTIVE EROSION CONTROL, AS NECESSARY TO PREVENT ANY SILLATION INTO EXISTING DRAINAGE SYSTEM AND/OR ADJACENT PROPERTIES.
 14. THE TRACER WIRE SHALL BE INSTALLED ALONG THE LENGTH OF ALL SEWER PIPES. SERVICE CONNECTIONS, MANHOLES AND STUBS PER STANDARD CONSTRUCTION SPECIFICATIONS AND STANDARD DETAIL (SS-17).
- REMARKS:**
1. BORDEN PIPELINES AND MILWAUKEE SHALL BE NOTIFIED BY CONTRACTOR PRIOR TO BEGINNING CONSTRUCTION OF THE SEWER LINES UNDER THE GAS TRANSMISSION LINES. THE CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF MEMPHIS STANDARD CONSTRUCTION SPECIFICATIONS.
 2. THREE EXISTING UNDERGROUND ELECTRICAL, DUCT BANKS MUST BE EXPOSED UNDER HORIZONTAL CONDUIT ON 3/22/2024. THE ESTIMATED DEPTH OF THE DUCT BANKS IS ABOUT 12-17' BASED ON TWO MEASUREMENTS.
 3. BORDEN PIPELINES SHOULD BE NOTIFIED BY CONTRACTOR PRIOR TO EXCAVATING OBSERVATION WINDOWS AT EACH EXISTING GAS MAIN TO CONFIRM THE CROSSING CLEARANCE. OBSERVATION WINDOWS SHALL BE EXCAVATED 5'-11" BELOW BOTTOM OF EACH GAS LINE. CONTRACTOR SHALL FILL EACH OBSERVATION WINDOW AFTER BORE CROSSES AND CLEARANCE IS VERIFIED.
 4. THE CONTRACTOR IS REQUIRED TO SHOVEL THE OBSERVATION AREAS TO THE SATISFACTION OF BORDEN PIPELINES. THE AREAS SHALL BE SHOVELLED WITH SAW TO PROVIDE A MINIMUM OF 1 FOOT COVER OVER THE EXISTING GAS MAIN. IN AREAS WHERE THERE IS DRAINAGE, A GAS MAIN BACKFILL SHALL BE USED.
 5. THE CONTRACTOR IS REQUIRED TO FORMULATE A PLAN FOR THE SUPPORT OF EXPOSED PIPELINES AND THE DESIGN OF THIS PLAN SHALL BE SUBMITTED TO THE CITY OF MEMPHIS FOR REVIEW AND APPROVAL. SUPPORT STRUCTURES MUST BE RIGID AND INCORPORATE AN IPOLY, URETHANE, OR OTHER APPROPRIATE "SOFT" GROUND. THIS DOES NOT COMPROMISE THE INTEGRITY OF THE PIPE. CHAINING, THE INSTALLATION AND CONSTRUCTION OF THE TEMPORARY PIPE SUPPORT STRUCTURE SHALL BE SUBJECT TO INSPECTION AND APPROVAL BY MCGRAW-HILL.



SEWER BASIN WN-10 SHEET 4 OF 4

DIVISION OF ENGINEERING
SARP10
BELLEVUE EQ. BASIN & GRAVITY
SEWER IMPROVEMENTS
OFF-STREET SEWER PLAN & PROFILE 3

LOCATION: BELLEVUE PARKWAY
MEMPHIS, TENNESSEE

SURVEY: GEODESY DATE: 4/5/2021 BOOK:
DRAWN: ABES DATE: 3/10/2024 SCALE: AS SHOWN
DESIGN: ABES DATE: 3/10/2024 CHECKED: DATE:

REVIEWED

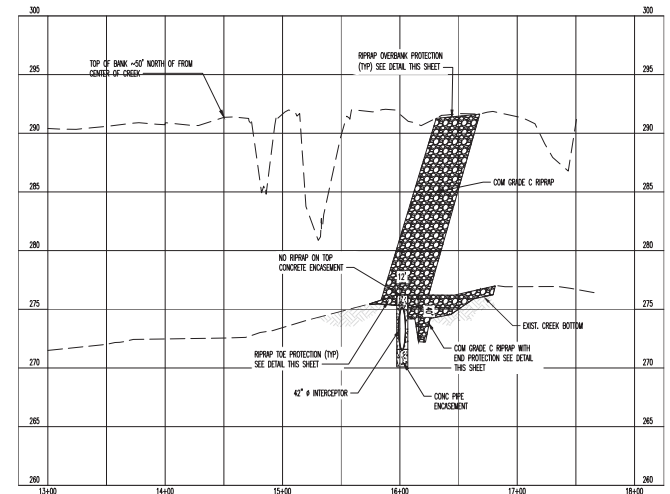
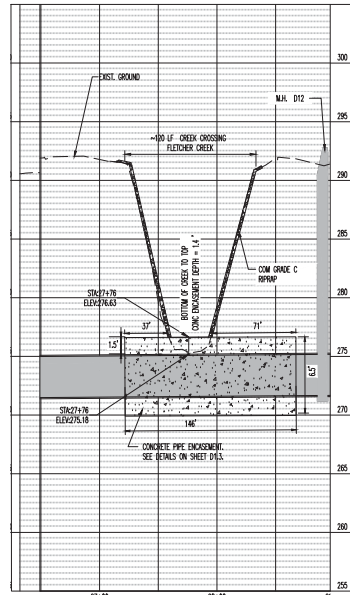
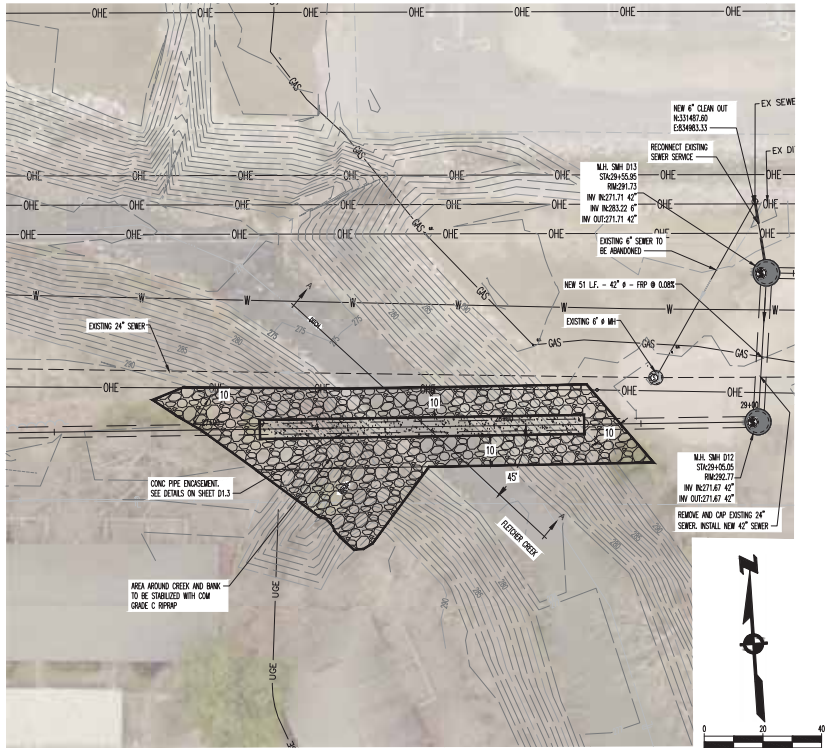
DEPUTY CITY ENGINEER DATE CITY ENGINEER DATE
BASIN NO. FILE FOLDER SHEET NUMBER

4/4/2025

SEWER BASIN WN-10 SHEET 4 OF 4



STRUCTURE ABANDONMENT TABLE		
STRUCTURE ID	DEPTH	LOCATION
MH WNI02650	25.80	N: 331402.042 E: 835440.190
MH WNI02649	22.13	N: 331429.942 E: 834945.674
MH WNI02643.01	9.38	N: 331711.568 E: 832941.067
MH WNI02647	21.37	N: 331474.314 E: 834302.572
MH WNI02646	21.37	N: 331577.256 E: 84008.634
MH WNI02648	19.00	N: 331452.261 E: 834684.993
MH WNI02648A	20.20	N: 331449.887 E: 846698.424
MH WNI02644	20.22	N: 331782.218 E: 833287.245
MH WNI02643	20.28	N: 331689.540 E: 832940.991
MH WNI02645	19.25	N: 331684.710 E: 832627.158
MH WNI02642	18.66	N: 331970.128 E: 832626.850
MH WNI02641	18.30	N: 332217.998 E: 832556.504



GENERAL NOTES:

- THE CONTRACTOR SHALL NOT ENTER UPON WORK UPON NOR CAUSE DAMAGE TO ANY ADJACENT PROPERTIES WITHOUT PRIOR PERMISSION FROM THE CITY ENGINEER.
- GRADING AND DRAINAGE: FIRM GRADE SHALL BE SLOPED FOR POSITIVE DRAINAGE.
- ALL RIP-RAP TO EXTEND TO BOTTOM OF DITCH AND FULLY PROTECT THE BANK AND EDGES OF OTHER EROSION CONTROL DEVICES.
- PROPERTY LINES SHALL BE FIELD VERIFIED PRIOR TO CONSTRUCTION. GRADING, CLEARING AND THE ERECTION OF BOUNDARY OF FENCES ALONG PROPERTY LINES SHALL BE FULLY COORDINATED WITH ADJACENT PROPERTY OWNERS.
- ROCK CUT OR FILLED EMBANKMENTS SHALL BE SLOPED OR STEPPED AND MAINTAINED TO ADEQUATELY PREVENT SOIL EROSION. SLOPE SHALL BE 3:1 OR GREATER.
- ALL GRADING WORK SHALL BE PERFORMED IN SUCH A MANNER THAT ADJACENT PROPERTIES ARE NOT DAMAGED OR ADVERSELY AFFECTED.
- THE LOCATION OF ALL EXISTING UTILITIES SHALL BE PROPERLY VERIFIED PRIOR TO CONSTRUCTION. ALL WORK SHALL BE PERFORMED IN A MANNER TO ENSURE THAT EXISTING UTILITIES ARE NOT INTERFERED WITH OR DAMAGED.
- ALL FILL SHALL BE COMPACTED TO 95% STANDARD PROCTOR DENSITY WITHIN 24" OF MAXIMUM MOISTURE CONTENT IN 4" LIFTS UNLESS OTHERWISE SPECIFIED (TYP). SUBMIT TEST RESULTS TO S&P10.
- ALL AREAS TO BE FILLED SHALL BE PROPERLY CLEARED AND STEPPED PRIOR TO BEGINNING THE FILLING OPERATION.
- THE CONTRACTOR IS TO INSTALL DESIGN AND SELECTION CONTROL SYSTEMS AND STRUCTURES AS NECESSARY TO PREVENT SEDIMENT LAIDEN WATER FROM LEAVING THE SITE.
- ALL RIP-RAP SHALL BE PLACED ON NON-ROCK-DECOMPOSEABLE FABRIC OR APPROVED EQUAL.
- ALL WORK SHALL BE DONE IN DRY CONDITIONS. CONTRACTOR SHALL MAINTAIN PROVISIONS TO KEEP STORM WATER, LAKERS, WATER AND GROUND WATER OUT OF CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL LOWER THE SITE AS NECESSARY SO THAT PLACEMENT OF ALL RIP-RAP.
- CONTRACTOR IS RESPONSIBLE FOR AND SHALL PAY FOR ALL PROJECT TESTING, SOIL AND OTHER MATERIAL TESTING SHALL BE PERFORMED BY A LICENSED GEOTECHNICAL FIRM.
- CONTRACTOR IS RESPONSIBLE FOR AND SHALL PAY FOR ALL SURVEY LAYOUT AND STAKING. SURVEY DATA SHALL BE PROVIDED BY A REGISTERED LAND SURVEYOR.
- TO BE INSTALLED AS PER MANUFACTURER'S INSTRUCTIONS.
- NO CONCRETE OR GROUTING WORKS IS PERMITTED ON SITE.

NOTES:

- ELEVATION OF WORK POINT MAY VARY BETWEEN A MINIMUM OF THREE FEET AND A MAXIMUM OF FIVE FEET ABOVE CHANNEL GRADE AND SHALL BE EQUAL TO THE WATER ELEVATION WHEN IN THAT RANGE.
- CONSTRUCTION OF THE PROTECTION WILL NOT BE PERMITTED WHEN WATER ELEVATION IS MORE THAN FIVE FEET ABOVE CHANNEL GRADE.

RIPRAP, TOE, END AND OVERBANK PROTECTION DETAILS

SCALE: 1" = 10'

SEWER BASIN WN-10 SHEET 1 OF 1

C1.14

DIVISION OF ENGINEERING
S&P10
BELLEVUE EQ. BASIN & GRAVITY
SEWER IMPROVEMENTS
BANK STABILIZATION PLAN

LOCATION: BELLEVUE PARKWAY

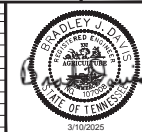
MEMPHIS, TENNESSEE

SURVEY: GEODESY DATE: 4/5/2021 BOOK: _____
DRAWN: ABES DATE: 3/10/2025 SCALE: AS SHOWN
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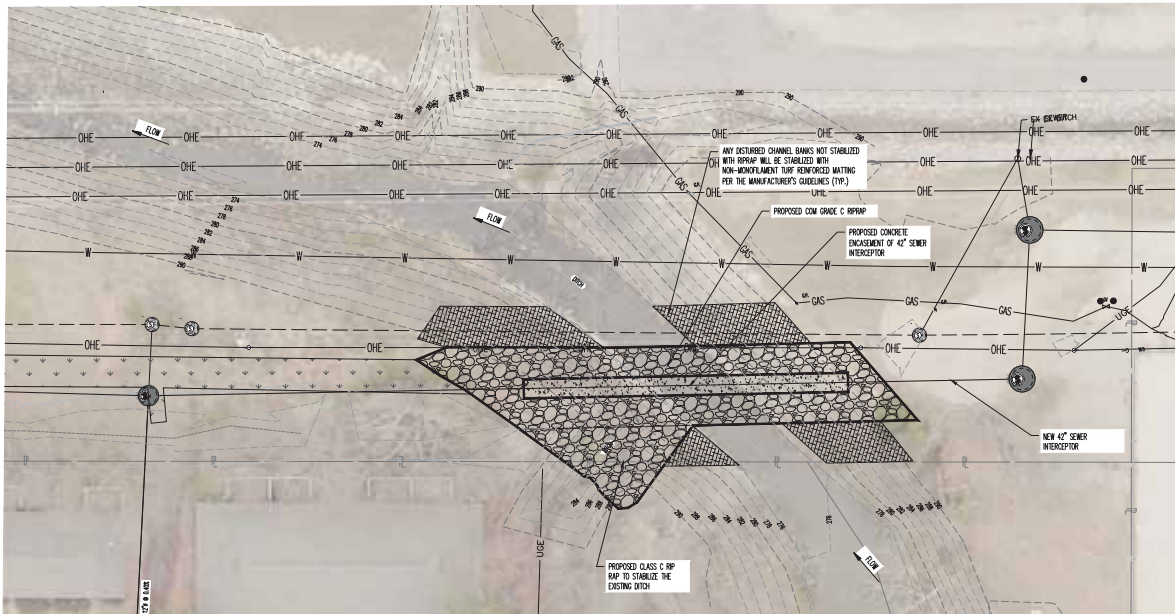
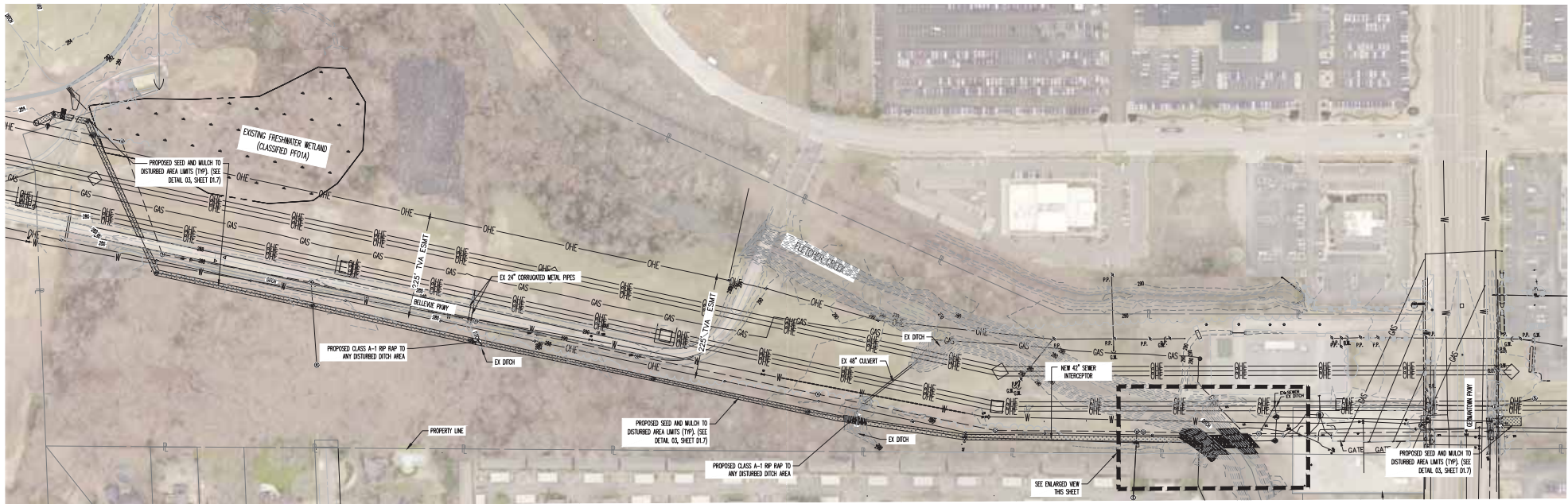
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DEPUTY CITY ENGINEER DATE CITY ENGINEER DATE

BASIN NO. FILE FOLDER SHEET NUMBER



3/10/2025



PHASE I RECOMMENDATIONS

1. MAINTAIN BMPs INSTALLED DURING PHASE I.

2. STABILIZE SITE AS SHOWN. ALL OTHER DISTURBED AREAS NOT RECEIVING CLASS A-1 RP-RAP OR NATIVE MATERIAL WILL BE SEED AND MULCHED. DISTURBED SLOPED BANKS WILL HAVE NON-MONOFILAMENT TURF REINFORCED MATING.

3. REMOVE BMPs WHEN SITE IS STABLE.

EROSION CONTROL NOTES

1. ALL EROSION CONTROL STRUCTURES SHALL BE IN PLACE AND FUNCTIONAL PRIOR TO GRADING, EXCAVATION, TOP SOIL REMOVAL, TREE REMOVAL, OR PIPE-LAYING OPERATIONS.

2. ALL EROSION CONTROL STRUCTURES SHALL BE MAINTAINED AND MONITORED THROUGHOUT THE ENTIRE TIME OF CONSTRUCTION OPERATIONS AND UNTIL VEGETATION IS ESTABLISHED ON ALL BANK, DISTURBED AREAS.

3. KEEP CONSTRUCTION DEBRIS, MUD AND SILT FROM ENTERING DITCH CHANNELS OR LEAVING THE JOB SITE AT ALL TIMES UNTIL SITE IS COMPLETELY STABILIZED.

4. UNLESS OTHERWISE NOTED, NON-MONOFILAMENT TURF REINFORCED MATING SHOULD BE USED ON SLOPES GREATER THAN 3:1 TO PREVENT EROSION RILLS FROM FORMING.

5. EROSION CONTROLS ARE NOT LIMITED TO WHAT IS SHOWN ON APPROVED EROSION CONTROL PLANS. ADDITIONAL EROSION CONTROL STRUCTURES OR MEASURES MAY BE NEEDED AS CONDITIONS WARRANT OR AS DIRECTED BY THE PROJECT ENGINEER, CITY ENGINEER OR CITY INSPECTOR.

6. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT ALL REQUIRED PERMITS HAVE BEEN OBTAINED PRIOR TO BEGINNING ANY CONSTRUCTION OR OTHER ACTIVITY ON THE SITE AND FOR SHARPING THE REQUIREMENTS OF THE STATE OF TENNESSEE DEPARTMENT OF WATER POLLUTION CONTROL AS SET FORTH IN THE TENNESSEE EROSION AND SEDIMENT CONTROL HANDBOOK.

7. ALL NEWLY CUT OR FILL AREAS LACKING ADEQUATE VEGETATION SHALL BE FERTILIZED, MULCHED, SEEDING, AND/OR SOODED TO EFFECTIVELY CONTROL SOIL EROSION. THE SEED AND FERTILIZER WILL BE COVERED WITH NON-MONOFILAMENT TURF REINFORCED MATING ON SLOPES GREATER THAN 3:1.

8. PROVIDE THE NAME AND PHONE NUMBER OF THE PERSON OR PERSONS RESPONSIBLE FOR EROSION CONTROL AND/OR MAINTENANCE IN THE STREET REMOVAL TO THE CITY INSPECTOR PRIOR TO THE START OF CONSTRUCTION.

9. ALL CONTROL MEASURES SHALL BE CHECKED TWICE A WEEK AND AT LEAST 72 HOURS APART, DURING PROLONGED RAINFALL. DAILY CHECKING AND REPAIRING IS NECESSARY. THE CONTRACTOR SHALL MAINTAIN RECORDS OF CHECKS AND REPAIRS.

10. GRADING AND UTILITY WORK IS TO BE PERFORMED IN THE DRY WEATHER. CONTRACTOR TO USE TEMPORARY CREEK DIVERSION. SAND BAG BERM SHALL BE INCLUDED IN THE COST OF THE "TEMPORARY CREEK DIVERSION". CONTRACTOR SHALL SUBMIT A PLAN STAMPED BY A TENNESSEE P.E. FOR REVIEW AND APPROVAL BY THE PURCHASER/ENGINEER.

LEGEND

SEED AND MULCH AREA

NON-MONOFILAMENT TURF REINFORCED MATING

CLASS C RP RAP

BENCHMARK

BASS OF ELEVATIONS WAD BE CITY BM035 - LOCATED ON THE SOUTHEAST CORNER OF CEMETARY PARKWAY AND CHAMBERLAIN BLVD, AT BACK OF SIDEWALK, EX ON CHAMBERLAIN BLVD. SEE DETAIL 06.2

THESE PREMISES ARE NOT LOCATED WITHIN A "SPECIAL FLOOD HAZARD AREA" AS DEFINED BY NATIONAL FLOOD PROTECTION ACT AS SHOWN ON FIRM MAP 475030346 AND 475030306, DATED FEBRUARY 05, 2013.

SEWER BASIN WN-10
SHEET 2 OF 2

C2.3

DIVISION OF ENGINEERING
SARPIO
BELLEVUE EQ. BASIN & GRAVITY
SEWER IMPROVEMENTS
EROSION PROTECTION & SEDIMENT CONTROL PLAN (PHASE II)

LOCATION: BELLEVUE PARKWAY
MEMPHIS, TENNESSEE

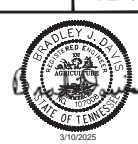
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DEPUTY CITY ENGINEER DATE CITY ENGINEER DATE

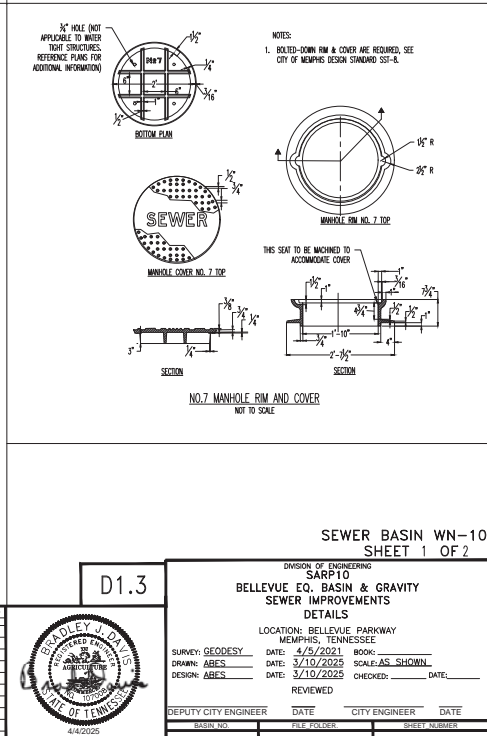
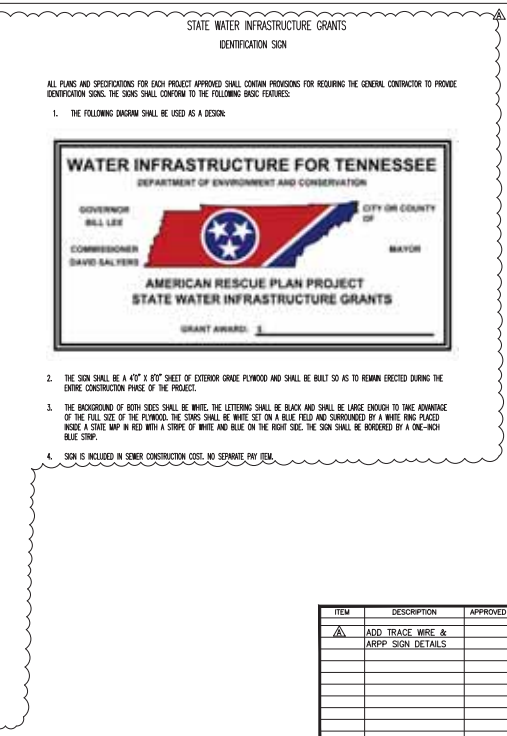
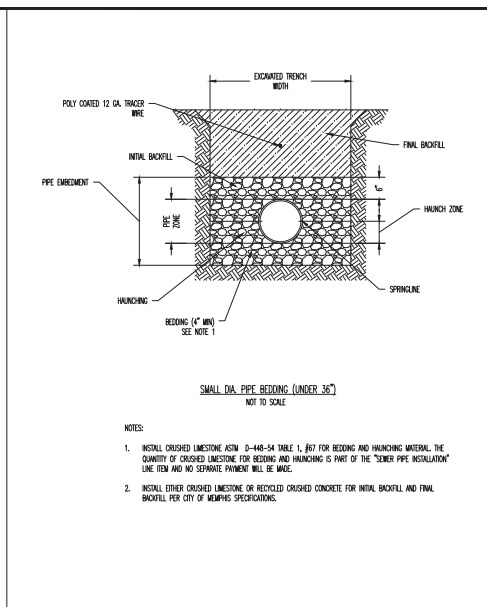
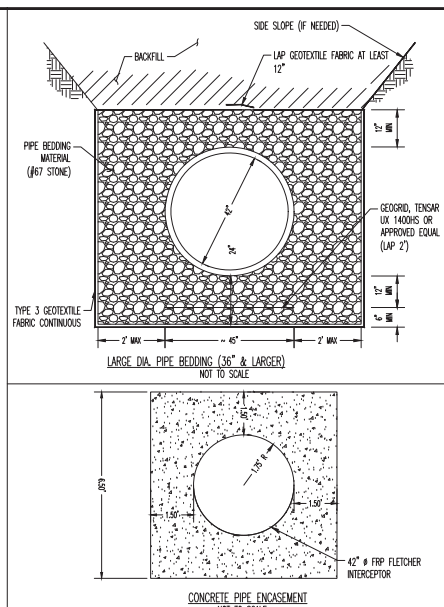
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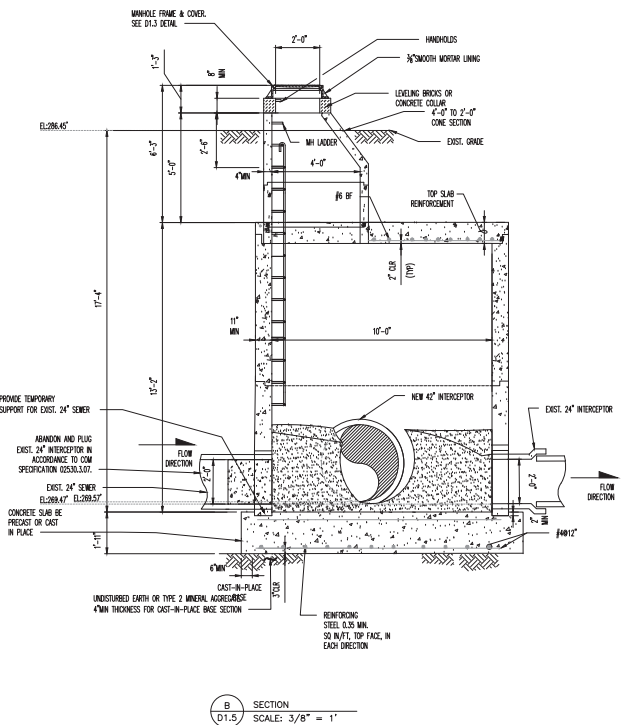
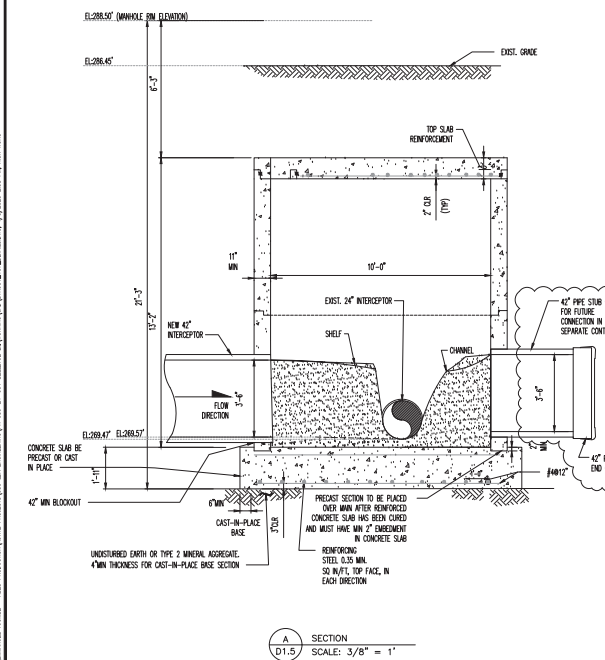
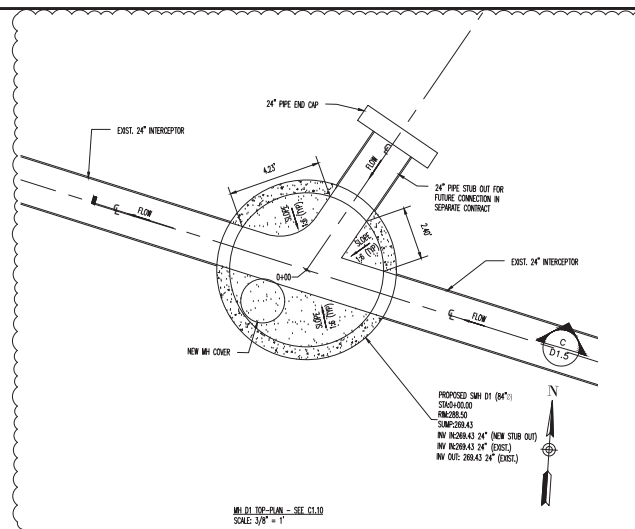
ITEM	DESCRIPTION	APPROVED



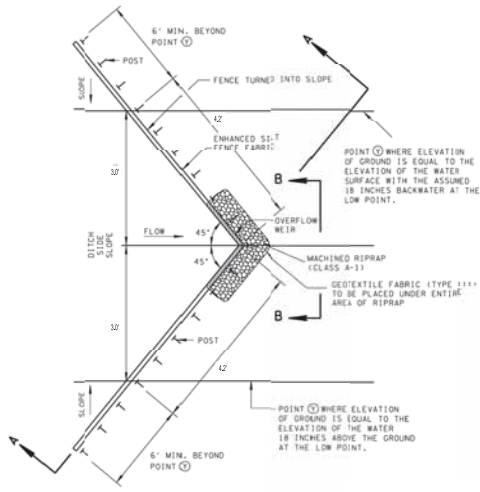
BRADLEY D. DAVIS
3/10/2025





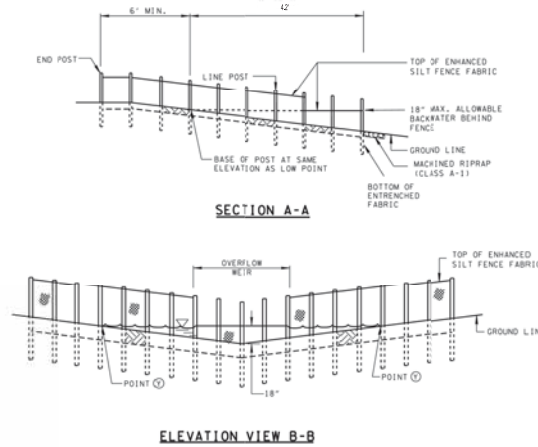


- (A) DANIEL TUMBER - AES PRODUCTION ACTIVE PROJECTS (00 LIA ENGINEERING\IN 00-21-021 BELLEVUE EQ\WORKING\CD\BAY001_107_DETMS.DWG, 4/3/2005 2:58 PM, NICK WONG

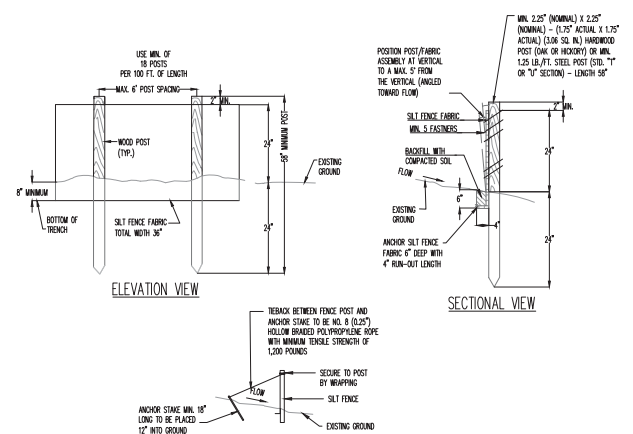


PLAN VIEW

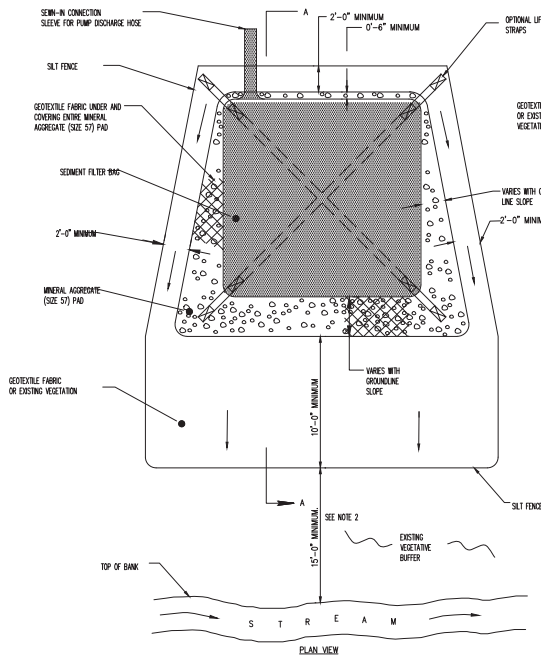
01 ENHANCED SILT FENCE CHECK (V-DITCH) DETAIL
D1.6 NOT TO SCALE



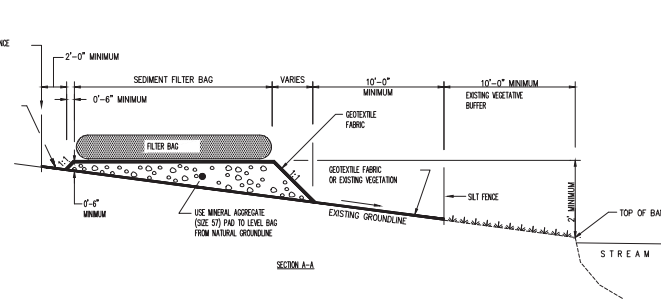
ELEVATION VIEW B-B



02 SILT FENCE TIEBACK FOR STEEL POSTS OR WOOD POSTS
D1.6 NOT TO SCALE

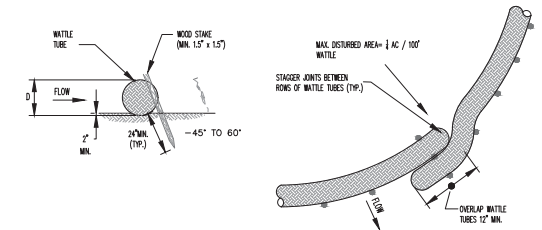


PLAN VIEW



NOTES:

1. ATTEMPTS SHOULD BE MADE TO PROVIDE THE DESIRABLE WIDTH AT ALL SITES. THE AVERAGE WIDTH OF THE BUFFER STRIP MAY BE USED WHEN CALCULATING THE DESIRABLE WIDTH.
2. SEDIMENT FILTER BAG INSTALLATION, INCLUDING DOWNSLOPE, GEOTEXTILE AND SILT FENCE WITH WIRE BACKING SHOULD NOT BE PLACED WITHIN A JURISDICTIONAL WETLAND OR WITHIN 15 FEET (30 FEET DESIRABLE) OF A CHANNELIZED OUTLET, STREAM, OR OTHER NATURAL WATER RESOURCE. WHEN DISCHARGING TO A SEDIMENT-IMPROVED STREAM OR EXCEPTIONAL, TENNESSEE WATERS, THE BUFFER SHALL BE A MINIMUM OF 30 FEET WITH A DESIRABLE WIDTH OF 60 FEET. BUFFER REQUIREMENT DOES NOT APPLY TO ANY LOCATION ON SITE WITH A VALID ARAP OR EQUIVALENT PERMIT BY FEDERAL AGENCIES.
3. THE MATERIAL SHALL BE A NON-WOVEN GEOTEXTILE FABRIC BAG RESISTANT TO ROT, WILDER, PUNCTURE AND TEARING, WITH A MINIMUM SEAM BREAKING STRENGTH OF 200 LBS. THE SEAMS SHALL DEMONSTRATE LESS ELONGATION AND DEFORMATION OF THE GEOTEXTILE FABRIC.



04 STRAW WATTLE DETAIL
D1.6 NOT TO SCALE

03 SEDIMENT FILTER BAG
D1.6 NOT TO SCALE

SEWER BASIN WN-10
SHEET 1 OF 2

D1.6



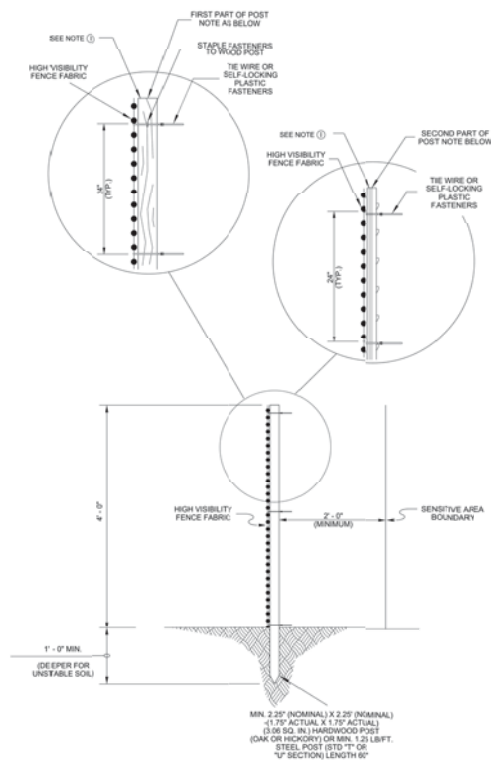
ITEM	DESCRIPTION	APPROVED

DIVISION OF ENGINEERING SARPIO			
BELLEVUE EQ. BASIN & GRAVITY SEWER IMPROVEMENTS			
EROSION PROTECTION & SEDIMENT CONTROL (DETAILS)			
LOCATION: BELLEVUE PARKWAY MEMPHIS, TENNESSEE			
SURVEY: GEODESY	DATE: 4/5/2021	BOOK:	
DRAWN: ABES	DATE: 3/10/2025	SCALE: AS SHOWN	
DESIGN: ABES	DATE: 3/10/2025	CHECKED:	DATE:
REVIEWED			
DEPUTY CITY ENGINEER	DATE	CITY ENGINEER	DATE
BASIN NO.	FILE FOLDER	SHEET NUMBER	



GENERAL NOTES

- (A) HIGH VISIBILITY FENCE IS REQUIRED TO BE PLACED TO PREVENT DISTURBANCE OF SENSITIVE AREAS. THEIR BUFFER, AND OTHER AREAS REQUIRED TO BE LEFT UNDISTURBED TO PROTECT THE ENVIRONMENT, AND TO MAINTAIN CLEARING LIMITS AND TO CONTROL VEHICLE ACCESS TO AND FROM THE PROJECT SITE.
- (B) HIGH VISIBILITY FENCE FABRIC SHALL BE MACHINED PRODUCED ORANGE COLORED MATERIAL WITH A MINIMUM 10% REFLECTIVITY. THE CAPS AND POSTS, IT SHALL BE FULLY STABILIZED ULTRAVIOLET RESISTANT.
- (C) HIGH VISIBILITY FENCE FABRIC MAY BE MADE FROM RECYCLED MATERIALS. MATERIALS MUST BE FREE FROM BIOLOGICAL AND CHEMICAL CONTAMINANTS TO AVOID DAMAGE TO PHYSICAL, OR CHEMICAL, CHARACTERISTICS OF THE FINISHED FABRIC.
- (D) HIGH VISIBILITY FENCE FABRIC SHALL HAVE A MINIMUM 4 FOOT WIDTH AND SHALL BE A MINIMUM 10% REFLECTIVITY. THE FABRIC SHALL BE STABILIZED TO RESIST TO COLOR THE SPECIFIED WIDTH DIMENSION.
- (E) POSTS SHALL BE MADE OF HIGH DENSITY POLYCARBONATE AND SHALL HAVE A MINIMUM WEIGHT OF 1.25 LB/FT. POST SHALL NOT BE HOT-DIP GALVANIZED OR PAINTED. STEEL POSTS SHALL BE 1.5 INCHES IN DIAMETER. POSTS SHALL BE 6 FEET APART. POSTS SHALL BE 1.5 INCHES IF POSTS OR ANCHOR PLATES USED THEY SHALL CONFORM TO THE REQUIREMENTS OF THE SPECIFICATIONS.
- (F) HIGH VISIBILITY FABRIC SHALL BE FASTENED TO THE POST USING THE WIRE OR SELF-CLOSING PLASTIC FASTENERS WITH A MAXIMUM FASTENERS SPACING OF 2 FEET. THE FASTENERS SHALL BE PLACED AT THE TOP OF THE POST.
- (G) HIGH VISIBILITY FENCE THAT DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED AT THE CONSTRUCTORS EXPENSE ON THE SAME DAY THE DAMAGE OCCURS.
- (H) HIGH VISIBILITY FENCE SHALL BE PAID FOR UNDER THE FOLLOWING ITEM NUMBER:
- 707-08-11 HIGH VISIBILITY CONSTRUCTION FENCE, L.F.
- PAYMENT SHALL INCLUDE ALL MATERIALS AND LABOR NECESSARY FOR THE CONSTRUCTION MAINTENANCE, AND REMOVAL, OF HIGH VISIBILITY FENCE.
- OSHA 1926.701(b) COMPLAINT PREVENTING) POST CAPS SHALL BE PAID FOR UNDER THE FOLLOWING ITEM NUMBER:
- 707-08-12 POST CAPS SHALL BE PAID FOR UNDER THE FOLLOWING ITEM NUMBER: FALLING DOWN) TO THE POST IS PRESENT - REGARDLESS OF HOW HIGH THE POST STICKS UP OR HOW HIGH IT FALLS DOWN. PLACEMENT OF POST CAPS SHALL BE REQUIRED TO BE PLACED ON ANY METAL POST WITH AN INSULATED HEIGHT LESS THAN 6" ABOVE THE GROUND AND SHALL BE PLACED ON ALL METAL POSTS WITH AN INSULATED HEIGHT OF 6" OR MORE. POST CAPS SHALL BE REQUIRED FOR METAL POSTS WITH AN INSTALLED HEIGHT OF 36" OR GREATER AND SHALL BE REQUIRED FOR WOODEN POSTS WITH AN INSTALLED HEIGHT OF 36" OR GREATER. POST CAPS SHALL BE REQUIRED FOR ALL POSTS WITH AN INSTALLED HEIGHT OF 36" OR GREATER OR YELLOW TO ENHANCE VISIBILITY. WHEN REQUIRED, PAINTING SHALL BE REQUIRED TO ENHANCE VISIBILITY.



PERMANENT COVER SEEDING MIXTURES				
KIND	GROUP A % BY WEIGHT	GROUP B % BY WEIGHT	GROUP C % BY WEIGHT	
LESPEDEZA (COMMON OR KOREAN)	20	-	-	
SEIFA LESPEDEZA	15	-	50	
KY 31 FESCUE	40	55	30	
ENGLISH RYE	15	20	15	
WILD DATON CLOVER	5	5	-	
WEEPIING LOVE GRASS	5	5	-	
REDTOP	-	15	-	
TOTAL	100	100	100	
TIME OF SOWING & SEEDING MIXTURE REQUIRED				
FEBRUARY 1 TO AUGUST 1	USE GROUP A ONLY			
NORTH OF AUGUST 01	USE EITHER GROUP A OR GROUP B			
SEPTEMBER 1 TO DECEMBER 1	USE GROUP B ONLY			
DECEMBER 1 TO FEBRUARY 1	DO NOT SOW ANY SEED			
FEBRUARY 1 TO DECEMBER 1	USE GROUP C ONLY WHEN SPECIFIED ON AND ON CONTRACT DOCUMENTS			

03	COVER SEEDING MIXTURE
D1.7	NOT TO SCALE

02	CONSTRUCTION FENCE DETAIL
D1.7	NOT TO SCALE

SEWER BASIN WN-10
SHEET 2 OF 2

D1.7

DIVISION OF ENGINEERING
SARP10
BELLEVUE EQ. BASIN & GRAVITY
SEWER IMPROVEMENTS
EROSION PROTECTION & SEDIMENT CONTROL (DETAILS)

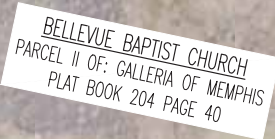
MEMPHIS, TENNESSEE

SURVEY: GEODESY	DATE: 4/5/2021	BOOK: _____
DRAWN: ABES	DATE: 3/10/2025	SCALE: AS SHOWN
DESIGN: ABES	DATE: 3/10/2025	CHECKED: _____ DATE: _____

REVIEWED

DEPUTY CITY ENGINEER	DATE	CITY ENGINEER	DATE
BASIN NO.	FILE FOLDER	SHEET NUMBER	

[illegible]



SCALE: 1" = 50'

[illegible]

NOTE: NO CLOSURE OF BELLEVUE PKWY ON SUNDAY



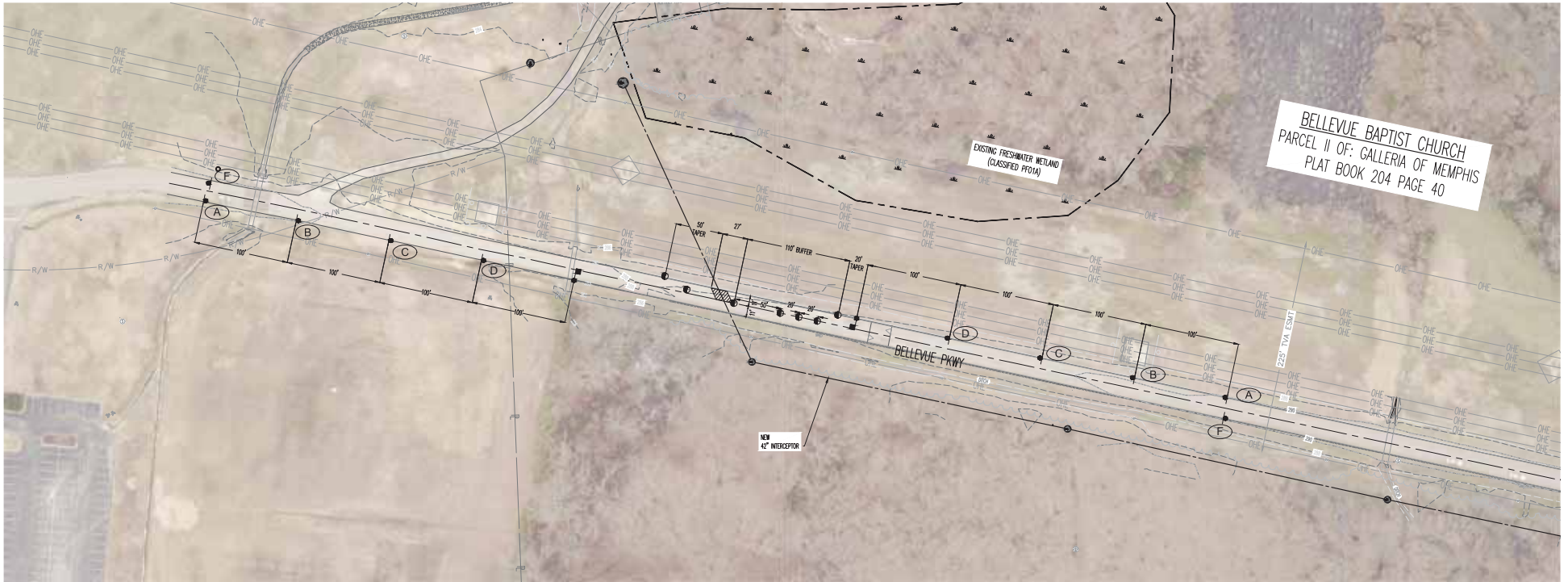
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REVIEWED _____

DEPUTY CITY ENGINEER _____ DATE _____ CITY ENGINEER _____ DATE _____

BASIN NO. _____ FILE FOLDER _____ SHEET NUMBER _____

23. STANDARD TYPING - ALL PROJECTIONS ARE UNLESS OTHERWISE NOTED. BELLEVUE EQ. BASIN & GRAVITY SEWER IMPROVEMENTS, 4/1/2025, 2:10 PM, ABE



BELLEVUE PKWY TCP (PHASE 2)
SCALE: 1" = 50'

TRAFFIC CONTROL PLAN NOTES

1. SEE SECTION 6.02.04 FOR PLACEMENT OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) FOR INFORMATION ON PLACEMENT AND MOUNTING OF SIGNS.
2. SIGNS SHOWN ON THIS PLAN ARE TO INFORM TRAFFIC ABOUT THE CONSTRUCTION. OTHER TRAFFIC CONTROL DEVICES MAY BE REQUIRED DURING VARIOUS PHASES OF CONSTRUCTION.
3. NOTHING IN THIS PLAN IS INTENDED TO SUPERSEDE OR RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF INSTALLING THE APPROPRIATE TRAFFIC CONTROL DEVICES IN ACCORDANCE WITH THE CURRENT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS.
4. CONTRACTOR SHALL BE REQUIRED TO NOTIFY THE CITY OF MEMPHIS CONSTRUCTION INSPECTION DEPARTMENT (CIC) (629) AND TRAFFIC ENGINEERING DEPARTMENT (TED) (624) AT A MINIMUM OF 24 HOURS PRIOR TO COMMENCING CONSTRUCTION OR IMPLEMENTING A TRAFFIC CONTROL PLAN. ALL TRAFFIC CONTROL DEVICES MUST BE IN PLACE BEFORE CONSTRUCTION ACTIVITY BEGINS.
5. SIGNS OF ALL SIGNS SHALL COMPLY WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
6. ALL TRAFFIC CONTROL DEVICES AND THEIR INSTALLATION SHALL MEET THE STANDARDS PRESCRIBED IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND SHALL COMPLY WITH THE STATE OF TENNESSEE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION SECTION 712 TEMPORARY TRAFFIC CONTROL.
7. ACCESS TO ADJACENT PROPERTIES SHALL BE MAINTAINED AT ALL TIMES.
8. SIDE STREET, DRIVEWAY ACCESS, AND SAFE PEDESTRIAN WAYS SHALL BE MAINTAINED AT ALL TIMES.
9. THE CONTRACTOR SHALL NOT BE PERMITTED TO PARK ANY VEHICLES OR CONSTRUCTION EQUIPMENT DURING PERIODS OF INACTIVITY. WITHIN THE MID-OF-WAY OR WITHIN THIRTY (30) FEET OF THE EDGE OF PAVEMENT WHEREVER IT IS LESS, WHEN THE LANE IS OPEN TO TRAFFIC, UNLESS PROTECTED BY GUARDRAIL, BRIDGE RAIL, AND/OR BARRIERS INSTALLED FOR OTHER PURPOSES, PRIVATELY OWNED VEHICLES SHALL NOT BE ALLOWED TO BE PARKED WITHIN THE MID-OF-WAY OR WITHIN THIRTY (30) FEET OF AN OPEN TRAFFIC LANE WHENEVER IT IS LESS, AT ANY TIME UNLESS PROTECTED AS DESCRIBED ABOVE.
10. CONTRACTOR SHALL USE PLASTIC ORANGE WITH TYPE 'X' WARNING LIGHTS TO SEPARATE TRAFFIC FROM THE CONSTRUCTION AREA.
11. SIGNS WITH TYPE 'X' WARNING LIGHTS SHALL BE PLACED AT THE EDGE OF PAVEMENT THROUGHOUT THE ENTIRE CONSTRUCTION AREA.
12. CONTRACTOR SHALL COVER ALL EXISTING SIGNS THAT COMPLY WITH THE TRAFFIC CONTROL PLAN PRIOR TO CONSTRUCTION AND THEY SHALL REMAIN COVERED DURING CONSTRUCTION AND UNTIL SUCH TIME THAT THEY DO NOT COMPLY WITH THE TRAFFIC CONTROL PLAN.
13. CONTRACTOR SHALL INSTALL TEMPORARY NO PARKING SIGNS AS REQUIRED WITHIN THE TRAFFIC CONTROL AREA.
14. WORK WITHIN THE ROADWAY DURING DIFFERENT PHASES OF CONSTRUCTION SHALL NOT BE ACTIVE AT THE SAME TIME.
15. ONLY ONE PHASE OF THE TRAFFIC CONTROL PLAN SHALL BE ACTIVE AT ANY ONE TIME.
16. ALL TEMPORARY OR PERMANENT TRAVELED SURFACE SHALL BE PROTECTED ONLY BY THE CONTRACTOR INCLUDING WEEDINGS AND NECESSARY PATCHING OR RE-PAVING PERFORMED.
17. THE CONTRACTOR SHALL CONTACT THE CITY OF MEMPHIS TRAFFIC ENGINEERING DEPARTMENT AT 905-655-4141 AT LEAST ONE WEEK PRIOR TO IMPLEMENTING THE TRAFFIC CONTROL PLAN TO DETERMINE FEES ASSOCIATED WITH ANY ENGINEERING PERMITS REQUIRED FOR SUPPORTING PARKING AND TRAVEL, ETC.
18. CHANNELING DEVICES SHALL BE REMOVED TO THE EDGE OF PAVEMENT AT THE END OF EACH WORK DAY. NO CLOSURE SHALL BE EFFECT FROM 4:00 PM UNTIL 6:00 AM. TWO (2) FOOT LANES SHALL BE OPEN DURING THE PERIOD WITH AT LEAST A 12 INCH THICK COMPACTED GRAVEL SURFACE.
19. WORK WITHIN THE ROADWAY SHALL BE CONDUCTED DURING THE DAY AND NIGHT. THE ROADWAY SHALL BE COMPLETELY OPEN TO TRAFFIC AT ALL OTHER TIMES AND ALL INAPPROPRIATE SIGNS SHALL BE COVERED OR REMOVED.
20. AT NO TIME SHALL ONE LANE SECTION BE LEFT OPEN UNATTENDED. WHERE TWO FLAGGERS ARE REQUIRED AND NO CLOSURES WHERE ONLY ONE LANE OF TRAFFIC IS OPEN AND THERE IS NO CLOSURE OF TRAFFIC FROM THE END OF THE CONSTRUCTION AREA TO THE OTHER, THE CONTRACTOR SHALL PROVIDE ROAD CLOSURE AND/OR OTHER APPROPRIATE MEANS OF ESTABLISHING CONTROL OF TRAFFIC.
21. THE APPROPRIATE TRAFFIC CONTROL SHALL BE INSTALLED AT THE BEGINNING OF EACH PHASE OF CONSTRUCTION AND SHALL BE PROPERLY MAINTAINED AND OPERATED DURING THE TIME SUCH SPECIAL CONDITIONS EXIST. THEY SHALL REMAIN IN PLACE ONLY AS LONG AS THEY ARE NEEDED AND SHALL BE IMMEDIATELY REMOVED THEREAFTER.
22. QUALIFIED WARNING SIGNS SHALL BE UNDERSTANDABLE AS NECESSARY WARNING AND/OR MAY NOT BE TO ANY OTHERS. QUALIFIED WARNING SIGNS WITH BLACK PRINT OR ASPHALT DOES NOT MEET THE REQUIREMENTS OF COVERING, REMOVAL, OR OBLITERATION. HOWEVER, THE USE OF REMOVAL, NON-REFLECTIVE, PREPARED TAPE BE PERMITTED WHERE WARNING SIGNS NEED TO BE COVERED TEMPORARILY.
23. EXISTING STRIPING THAT CONFLICTS WITH THE TEMPORARY TRAFFIC CONTROL DEVICES SHALL BE COVERED OR REMOVED DURING CONSTRUCTION. WHEN CONSTRUCTION IS COMPLETE THE EXISTING STRIPING SHALL BE RESTORED TO ITS ORIGINAL STATE.
24. ALL TRAFFIC CONTROL DEVICES SHALL MEET THE MINIMUM RETRO REFLECTIVITY LEVELS PRESCRIBED IN THE CURRENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
25. THE DEVELOPER SHALL PROVIDE A TRAFFIC CONTROL PLAN TO THE CITY ENGINEER THAT SHOWS THE PHASING FOR EACH STREET FRONTAGE DURING DEMOLITION OR CONSTRUCTION OF CURB, GUTTER AND SIDEWALKS. A TEMPORARY SIDEWALK OR PROTECTED BIKEWAY SHALL BE ADEQUATELY ACCESSIBLE AND A MINIMUM 5 FEET WIDE PEDESTRIAN PATHWAY.
26. QUALIFIED WARNING SIGNS SHALL BE UNDERSTANDABLE AS NECESSARY WARNING AND/OR MAY NOT BE TO ANY OTHERS. QUALIFIED WARNING SIGNS WITH BLACK PRINT OR ASPHALT DOES NOT MEET THE REQUIREMENTS OF COVERING, REMOVAL, OR OBLITERATION. HOWEVER, THE USE OF REMOVAL, NON-REFLECTIVE, PREPARED TAPE BE PERMITTED WHERE WARNING SIGNS NEED TO BE COVERED TEMPORARILY.
27. THE DURATION OF THE PROJECT, THE LIMITS WILL BE ON THE DAY OF CLOSURE AND WILL BE MONITORED BY THE ENGINEERING CONSTRUCTION INSPECTORS (ECI) (624) ON THE JOB. ANYTIME A CLOSURE IS PRESENT TO TRAFFIC, THE TRAFFIC LANE MUST BE OPEN TO MAINTAIN TRAFFIC AND ALL INAPPROPRIATE SIGNS SHALL BE COVERED OR REMOVED.
28. ALL FLAGGERS SHALL BE EQUIPPED WITH A STOP/BLIND PROBE.
29. THE CONTRACTOR SHALL NOTIFY MEMPHIS AREA TRAFFIC AUTHORITY (NATA) AT 905-252-1105 A MINIMUM OF 48 HOURS PRIOR TO IMPLEMENTING A TRAFFIC CONTROL PLAN.

TRAFFIC CONTROL LEGEND	
SYMBOL	ITEM
	WORK ZONE
	FLEXIBLE DRUMS (CHANNELIZING)
	SIGN (CONSTRUCTION)
	FLAGGER

DESIGN SPEED LIMIT: 10 MPH
DURATION (PHASE 2): 1 MONTH
DATE: _____

NOTE: NO CLOSURE OF BELLEVUE PKWY ON SUNDAY

W20-1
48" X 48"
A

W20-4
48" X 48"
B

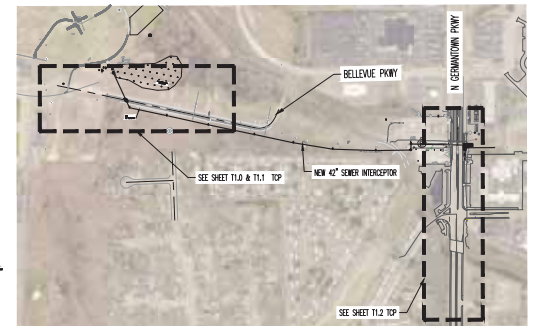
W3-4
48" X 48"
C

W20-7a
48" X 48"
D
OPTIONAL

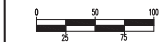
W21-5
48" X 48"
E

G20-2
48" X 24"
F

TRAFFIC CONTROL SIGNS



KEY MAP
SCALE: 1" = 500'



ITEM	DESCRIPTION	APPROVED
	ADDED A NOTE OF NO CLOSURE OF BELLEVUE PKWY ON SUNDAY	



SEWER BASIN WN-10
SHEET 2 OF 3

BELLEVUE EQ. BASIN & GRAVITY
SEWER IMPROVEMENTS
TRAFFIC CONTROL PLAN - PHASE 2
LOCATION: BELLEVUE PARKWAY
MEMPHIS, TENNESSEE

SURVEY: GEODESY
DRAWN: ABES
DESIGN: ABES

DATE: 4/5/2021
DATE: 3/19/2024
DATE: 3/19/2024

BOOK:
SCALE: AS SHOWN
CHECKED: _____
DATE: _____

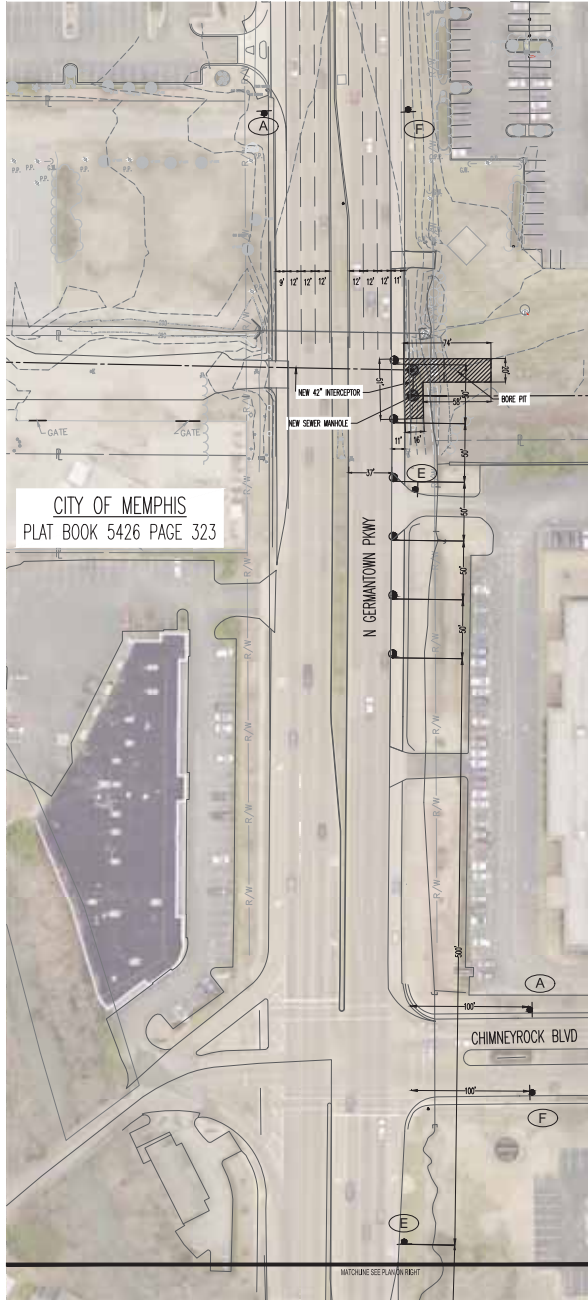
DEPUTY CITY ENGINEER
BASIN NO. _____

DATE
FILE FOLDER _____

CITY ENGINEER
SHEET NUMBER _____

DATE

23) UNAPPROVED, UNRECORDED - ANY PRODUCTION COPY MUST BE APPROVED BY THE CITY ENGINEER AND THE CITY ENGINEER'S OFFICE. ANY PRODUCTION COPY MUST BE APPROVED BY THE CITY ENGINEER AND THE CITY ENGINEER'S OFFICE. ANY PRODUCTION COPY MUST BE APPROVED BY THE CITY ENGINEER AND THE CITY ENGINEER'S OFFICE.



TRAFFIC CONTROL LEGEND	
SYMBOL	ITEM
	WORK ZONE
	FLEXIBLE DRUMS (CHANNELIZING)
	SIGN (CONSTRUCTION)
	FLAGGER

DESIGN SPEED LIMIT: 10 MPH
DURATION (PHASE 3): 3 MONTHS
DATE: _____

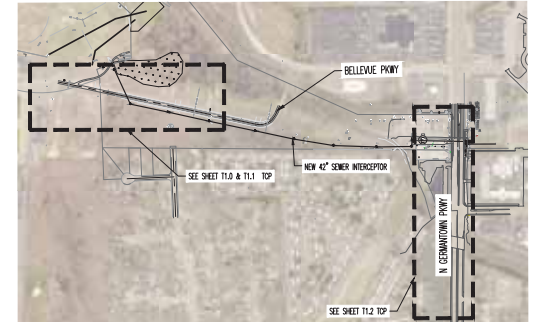
NOTE NO CLOSURE OF BELLEVUE PKWY ON SUNDAY

N GERMANTOWN PKWY T.C.P.
SCALE: 1" = 50'



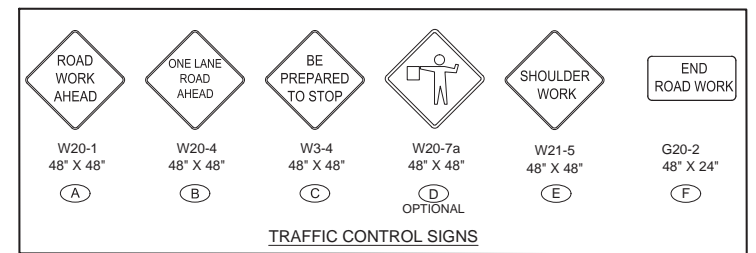
TRAFFIC CONTROL PLAN NOTES

- SEE SECTION 10.01 FOR PLACEMENT OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) FOR INFORMATION ON PLACEMENT AND MOUNTING OF SIGNS.
- BOARDS SHOWN ON THIS PLAN ARE TO BE PLACED ABOUT THE CONSTRUCTION, OTHER TRAFFIC CONTROL DEVICES MAY BE REQUIRED DURING VARIOUS PHASES OF CONSTRUCTION.
- NOTHING IN THIS PLAN IS INTENDED TO SUPERSEDE OR RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF INSTALLING THE APPROPRIATE TRAFFIC CONTROL DEVICES IN ACCORDANCE WITH THE CURRENT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND ANY OTHER APPLICABLE STANDARDS.
- CONTRACTOR SHALL BE REQUIRED TO NOTIFY THE CITY OF MEMPHIS CONSTRUCTION INSPECTION DEPARTMENT (CICID) AND TRAFFIC ENGINEERING DEPARTMENT (TED) AT A MINIMUM OF 24 HOURS PRIOR TO COMMENCING CONSTRUCTION OR IMPLEMENTING A TRAFFIC CONTROL PLAN. ALL TRAFFIC CONTROL DEVICES MUST BE IN PLACE BEFORE CONSTRUCTION ACTIVITY BEGINS.
- BOARDS OF ALL SIGNS SHALL COMPLY WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
- ALL TRAFFIC CONTROL DEVICES AND THEIR INSTALLATION SHALL MEET THE STANDARD PRESCRIBED IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND SHALL COMPLY WITH THE STATE OF TENNESSEE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION SECTION 10.01 FOR TEMPORARY TRAFFIC CONTROL.
- ACCESS TO ADJACENT PROPERTIES SHALL BE MAINTAINED AT ALL TIMES.
- SIDE STREET DRIVEWAY ACCESS AND SAFE PEDESTRIAN WALKS SHALL BE MAINTAINED AT ALL TIMES.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO MAINTAIN ANY DRIVEWAY OR CONSTRUCTION EQUIPMENT DURING PERIODS OF INACTIVITY WITHIN THE RIGHT-OF-WAY OR WITHIN THIRTY (30) FEET OF THE EDGE OF PAVEMENT WHENEVER IT IS LESS THAN THE LANE IS OPEN TO TRAFFIC, UNLESS PROTECTED BY GUARDRAIL, BRIDGE RAIL, AND/OR BARRIERS INSTALLED FOR OTHER PURPOSES. PRIVATELY OWNED VEHICLES SHALL NOT BE ALLOWED TO BE PARKED WITHIN THE RIGHT-OF-WAY OR WITHIN THIRTY (30) FEET OF AN OPEN TRAFFIC LANE WHENEVER IT IS LESS THAN THE LANE IS OPEN TO TRAFFIC, UNLESS PROTECTED AS DECKED ABOVE.
- CONTRACTOR SHALL USE FLUORESCENT OR WHITE TYPE 'V' WARNING LIGHTS TO WARN TRAFFIC FROM THE CONSTRUCTION AREA.
- DRUMS WITH TYPE 'V' WARNING LIGHTS SHALL DELINEATE THE EDGE OF PAVEMENT THROUGHOUT THE ENTIRE CONSTRUCTION AREA.
- CONTRACTOR SHALL COVER ALL EXISTING SIGNS THAT CONFLICT WITH THE TRAFFIC CONTROL PLAN BOARDS OR DEVICES DURING CONSTRUCTION AND THEY SHALL REMAIN COVERED DURING CONSTRUCTION AND UNTIL SUCH TIME THAT NO CONFLICT EXISTS.
- CONTRACTOR SHALL INSTALL TEMPORARY NO PARKING SIGNS AS REQUIRED WITHIN THE TRAFFIC CONTROL AREA.
- WORK WITHIN THE ROADWAY DURING VARIOUS PHASES OF CONSTRUCTION SHALL NOT BE ACTIVE AT THE SAME TIME.
- ONLY ONE PHASE OF THE TRAFFIC CONTROL PLAN SHALL BE ACTIVE AT ANY ONE TIME.
- ALL TEMPORARY OR PERMANENT TRAVEL SURFACES SHALL BE PROTECTED BY THE CONTRACTOR INCLUDING REINFORCED AND NECESSARY PATCHING OR REPAIRING PERFORMED.
- THE CONTRACTOR SHALL CONTACT THE CITY OF MEMPHIS TRAFFIC ENGINEERING DEPARTMENT AT 901-526-2101 AT LEAST ONE WEEK PRIOR TO IMPLEMENTING THE TRAFFIC CONTROL PLAN TO DETERMINE FEES ASSOCIATED WITH ANY ENGINEERING PERMITS REQUIRED, ILE COMPUTER PERMITS, PARKING METER PERMITS, ETC.
- CHANNELIZING DEVICES SHALL BE REQUIRED TO THE EDGE OF PAVEMENT AT THE HEAD OF EACH WORK ZONE. NO CLOSURE SHALL BE EFFECT FROM 4:00 A.M. UNTIL 5:00 A.M. TWO (2) FOOT LANES SHALL BE OPEN DURING THIS PERIOD WITH AT LEAST A 4 INCH THICK COMPACTED GRAVEL SURFACE.
- WORK WITHIN THE ROADWAY SHALL BE CONDUCTED BETWEEN 5:00 A.M. AND 4:00 P.M. AND THE ROADWAY SHALL BE COMPLETELY OPEN TO TRAFFIC AT ALL OTHER TIMES AND ALL INAPPROPRIATE BOARDS SHALL BE COVERED OR REMOVED.
- AT NO TIME SHALL ONE LANE SECTION BE LEFT OPEN UNATTENDED, WHERE TWO FLAGGERS ARE REQUIRED AND IN CIRCUMSTANCES WHERE ONLY ONE LANE OF TRAFFIC IS OPEN AND THERE IS NO CLEARANCE OF DEBT FROM ONE END OF THE CONSTRUCTION AREA TO THE OTHER, THE CONTRACTOR SHALL PROVIDE RADIO COMMUNICATION OR OTHER APPROPRIATE MEANS OF ESTABLISHING CONTROL OF TRAFFIC. CONTRACTOR SHALL CONTACT THE CITY OF MEMPHIS DESIGN SHOP AT 901-526-2101 FOR LOCATION OF SIGNAL CONDUIT AND WIRES.
- THE APPROPRIATE TRAFFIC CONTROL SHALL BE INSTALLED AT THE BEGINNING OF EACH STAGE OF CONSTRUCTION AND SHALL BE PROPERLY MAINTAINED AND OPERATED DURING THE TIME SUCH SPECIAL CONSIDERATION IS REQUIRED. THEY SHALL REMAIN IN PLACE UNTIL ALL CONDITIONS ARE MET AND THEY ARE REMOVED OR MAINTAINED BY THE CONTRACTOR.
- OVERLAPPED WARNINGS SHALL BE UNDEVELOPABLE AND PAVEMENT WARNINGS UNDER DAY OR NIGHT, WET OR DRY CONDITIONS, OVERLAPPING EXISTING STRIPS WITH BLACK PAINT OR ASPHALT DOES NOT MEET THE REQUIREMENTS OF COVERING, REMOVAL, OR OBLITERATION. HOWEVER, THE USE OF REMOVABLE, NON-REFLECTIVE, PERFORMED TAPE IS PERMITTED WHERE WARNINGS NEED TO BE COVERED TEMPORARILY.
- EXISTING STRIPING THAT CONFLICTS WITH THE TEMPORARY TRAFFIC CONTROL DEVICES SHALL BE COVERED OR REMOVED DURING CONSTRUCTION. WHEN CONSTRUCTION IS COMPLETE, THE EXISTING STRIPING SHALL BE RETURNED TO ITS ORIGINAL STATE.
- ALL TRAFFIC CONTROL BOARDS SHALL MEET THE MINIMUM RETRO REFLECTIVITY LEVELS SPECIFIED IN THE CURRENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
- THE DEVELOPER SHALL PROVIDE A TRAFFIC CONTROL PLAN TO THE CITY ENGINEER THAT SHOWS THE PLACING FOR EACH STREET PROVIDING DURING CONSTRUCTION OF CURB, GUTTER AND SIDEWALK. IF A TEMPORARY SIGN IS REQUIRED, IT SHALL BE ACCESSIBLE AND MINIMUM FEET WIDE TEMPORARILY.
- ANY CLOSURE OF THE RIGHT OF WAY SHALL BE TIME LIMITED TO THE ACTIVE REVOLUTION OR CONSTRUCTION, CONTINUOUS UNINTERRUPTED CLOSURE OF THE RIGHT OF WAY SHALL NOT BE ALLOWED FOR THE DURATION OF THE PROJECT. THE TIME LIMIT SHALL BE AS DETERMINED BY THE ENGINEERING CONSTRUCTION INSPECTORS (CICID) BASED ON THE JOB.
- ANYTIME FLAGGERS NOT PRESENT TO CONTROL TRAFFIC, TWO TRAFFIC LANES MUST BE OPEN TO MAINTAIN THROUGH TRAFFIC AND ALL INAPPROPRIATE BOARDS SHALL BE COVERED OR REMOVED.
- ALL FLAGGERS SHALL BE EQUIPPED WITH A STOP/SLAM PAD.
- THE CONTRACTOR SHALL NOTIFY MEMPHIS AREA TRAFFIC AUTHORITY (MATA) AT 901-226-7100 A MINIMUM OF 48 HOURS PRIOR TO IMPLEMENTING A TRAFFIC CONTROL PLAN.



KEY MAP

SCALE: 1" = 500'



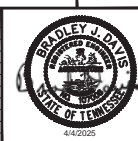
TRAFFIC CONTROL SIGNS

NOTES

BASE OF ELEVATIONS MATCH CITY MAPS - LOCATED ON THE SOUTHWEST CORNER OF GERMANTOWN PKWY AND CHIMNEYROCK BLVD. AT BACK OF SEERAWAY, OR ON CHIMNEYROCK BLVD. SEE ELEV. 382.71

THESE PREMISES ARE NOT LOCATED WITHIN A "SPECIAL FLOOD HAZARD AREA" AS DETERMINED BY NATIONAL FLOOD PROTECTION ACT AS SHOWN ON FEMA MAP 47103C0146 AND 47103C0150, DATED FEBRUARY 18, 2015.

ITEM	DESCRIPTION	APPROVED
1	ADDED A NOTE OF NO CLOSURE OF BELLEVUE PKWY ON SUNDAY	



SEWER BASIN WN-10 SHEET 3 OF 3			
DIVISION OF ENGINEERING SARPIO BELLEVUE EQ. BASIN & GRAVITY SEWER IMPROVEMENTS TRAFFIC CONTROL PLAN - N GERMANTOWN PKWY			
LOCATION: BELLEVUE PARKWAY MEMPHIS, TENNESSEE			
SURVEY: GEODESY	DATE: 4/5/2021	BOOK:	
DRAWN: ABES	DATE: 3/19/2022	SCALE: AS SHOWN	
DESIGN: ABES	DATE: 3/19/2022	CHECKED:	
REVIEWED			
DEPUTY CITY ENGINEER	DATE	CITY ENGINEER	DATE
BASIN NO.	FILE FOLDER	SHEET NUMBER	



NOTES:

1. COORDINATE WITH BELLEVUE BAPTIST ON BELLEVUE PKWY ROAD CLOSURES.
2. BELLEVUE PKWY BRIDGE HAS 5-TON WEIGHT LIMIT. NO CONSTRUCTION TRAFFIC SHALL CROSS BRIDGE.
3. CONTRACTOR SHALL DOCUMENT THE CONDITION OF THE ACCESS ROADS WITH PHOTOS AND/OR VIDEOS PRIOR TO ANY CONSTRUCTION TRAFFIC USE. ANY NEEDED PERMANENT REPAIRS WILL BE PERFORMED UNDER A SEPARATE CONTRACT. HOWEVER, ALL ACCESS ROADS MUST REMAIN IN A PASSABLE CONDITION. IN THE EVENT SARP10 DETERMINES TEMPORARY REPAIRS ARE NEEDED UNDER THIS CONTRACT, WORK WILL BE PAID FOR UNDER ITEM 23 - ASPHALT CONCRETE REMOVAL & REPLACEMENT.

LEGEND

ACCESS ROUTE (---)

ITEM	DESCRIPTION	APPROVED
1	UPDATED PAYMENT NOTE	



T1.3

SEWER BASIN WN-10
SHEET 1 OF 1

DIVISION OF ENGINEERING
SARP10
BELLEVUE EQ. BASIN & GRAVITY
SEWER IMPROVEMENTS
CONSTRUCTION ACCESS PLAN - 1
LOCATION: BELLEVUE PARKWAY
MEMPHIS, TENNESSEE

SURVEY: GEODESY
DRAWN: ABES
DESIGN: ABES
REVIEWED

DATE: 4/5/2021
DATE: 1/28/2025
DATE: 1/28/2025

BOOK:
SCALE: 1" = 200'
CHECKED:
DATE:

DEPUTY CITY ENGINEER
BASIN NO.

DATE
FILE FOLDER

CITY ENGINEER
SHEET NO.

P:\PROJECTS\2025\SEWER\T1.1 & T1.2 CONSTRUCTION ACCESS PLAN\T1.1 & T1.2 CONSTRUCTION ACCESS PLAN.dwg, 4/19/2025 1:19 PM, DWG, L. J. BARNES