ORA-MAE LANE (WN100884) SEWER REALIGNMENT CITY OF MEMPHIS SEWER ASSESSMENT AND REHABILITATION PROGRAM (SARP10) MEMPHIS, TENNESSEE

CITY COUNCIL

J FORD CANALE, CHAIRMAN JANA SWEARENGEN-WASHINGTON, VICE CHAIRWOMAN RHONDA LOGAN, COUNCILWOMAN JERRI GREEN, COUNCILWOMAN PEARL EVA WALKER, COUNCILWOMAN PHILIP SPINOSA, COUNCILMAN EDMUND FORD SR, COUNCILMAN MICHALYN EASTER-THOMAS, COUNCILWOMAN JB SMILEY JR, COUNCILMAN JANIKA WHITE, COUNCILWOMAN YOLANDA COOPER-SUTTON, COUNCILWOMAN CHASE CARLISLE, COUNCILMAN DR JEFF WARREN, COUNCILMAN

CITY ENGINEER

MANNY BELEN, P.E.

3/7/2025 10:12:45 AM

PAUL YOUNG, MAYOR



LOCATION MAP

NOT TO SCALE

INDEX OF DRAWINGS

SHEET NO. DESCRIPTION $C \cap O 1$

C0.01	COVER SHEET
C0.31	EXISTING CONDITIONS
C1.01	UTILITY PLAN AND PROFILE
C1.02	UTILITY PLAN AND PROFILE
C2.41	EROSION CONTROL PLAN PHASE I
C2.42	EROSION CONTROL PLAN PHASE I
C7.01	CIVIL DETAILS
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GENERAL NOTES:

1. THE CONTRACTOR SHALL NOT ENTER UPON, WORK UPON NOR CAUSE DAMAGE TO ANY ADJACENT PROPERTIES WITHOUT PRIOR PERMISSION FROM SAID PROPERTY OWNER.

2. GRADING AND DRAINAGE: FINISH GRADE SHALL BE SLOPED FOR POSITIVE DRAINAGE.

3. ALL RIP RAP TO EXTEND TO BOTTOM OF DITCH AND FULLY PROTECT THE BANK AND EDGES OF OTHER EROSION CONTROL DEVICES.4. PROPERTY OWNED BY:

- BARBRA M STEVENS PARCEL ID 089051 00023 INST.# EE0039
- CEDRIC LEWIS PARCEL ID 089051 00030 INST.# 21107349

ARIUM SHELBY FARMS OWNER LLC PARCEL ID 089051 00006C INST.# 14071114

5. PROPERTY LINES SHALL BE FIELD VERIFIED PRIOR TO CONSTRUCTION. GRADING, CLEARING AND THE ERECTION OR REMOVAL OF FENCES ALONG PROPERTY LINES SHALL BE FULLY COORDINATED WITH ADJACENT PROPERTY OWNERS.
6. NEWLY CUT OR FILLED EMBANKMENTS SHALL BE SODDED OR SEEDED AND MULCHED TO ADEQUATELY PREVENT SOIL EROSION.

7. ALL GRADING WORK SHALL BE PERFORMED IN SUCH A MANNER THAT ADJACENT PROPERTIES ARE NOT DAMAGED OR ADVERSELY AFFECTED. STAKE ALL SOD PLACED ON PROJECT.
8. 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 DISRUPTED.

9. ALL FILL SHALL BE COMPACTED TO 95% STANDARD PROCTOR DENSITY WITHIN 3% OPTIMUM MOISTURE CONTENT IN 6" LIFTS UNLESS OTHERWISE SPECIFIED (TYP). SUBMIT TEST RESULTS TO SARP10.

10. ALL AREAS TO BE FILLED SHALL BE PROPERLY CLEARED AND STRIPPED PRIOR TO BEGINNING THE FILLING OPERATION.
11. THE CONTRACTOR IS TO INSTALL EROSION AND SEDIMENT CONTROL SYSTEMS AND STRUCTURES AS NECESSARY TO PREVENT SEDIMENT LADEN WATER FROM LEAVING THE SITE.
12. ALL RIP-RAP SHALL BE PLACED ON NON-WOVEN GEOTEXTILE, OR APPROVED EQUAL.

13. ALL WORK SHALL BE DONE IN DRY CONDITIONS. CONTRACTOR SHALL MAKE PROVISIONS TO KEEP STORM WATER, LATERAL WATER AND GROUND WATER OUT OF CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL DEWATER THE SITE AS NECESSARY SO THAT PLACEMENT OF ALL FILL RIP-RAP, OR GROUTING OF ANY RIP-RAP WILL BE IN DRY CONDITIONS.

14. CONTRACTOR IS RESPONSIBLE FOR AND SHALL PAY FOR ALL PROJECT TESTING. SOIL AND OTHER MATERIAL TESTING SHALL BE PERFORMED BY A LICENSED GEOTECHNICAL FIRM.

15. CONTRACTOR IS RESPONSIBLE FOR AND SHALL PAY FOR ALL SURVEY LAYOUT AND STAKING. SURVEY DATA SHALL BE PROVIDED BY A REGISTERED LAND SURVEYOR

TYPICAL CONSTRUCTION NOTES:

1. ALL DESIGN, CONSTRUCTION AND MATERIAL SHALL BE IN COMPLIANCE WITH THE SEWER ASSESSMENT AND REHABILITATION PROGRAM (SARP10) AND CITY OF MEMPHIS CONSTRUCTION SPECIFICATIONS AND STANDARDS.

2. LOCATION OF EXISTING UNDERGROUND UTILITIES ARE APPROXIMATE AND ARE NOT NECESSARILY ALL THE 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 TVA, CALL 1-800-351-1111. FOR SEWER AND/OR WATER SERVICE LOCATIONS, CALL 901-529-8025.

3. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL PROPERTIES.

4. CONTRACTOR SHALL NOTIFY THE CITY OF MEMPHIS CONSTRUCTION INSPECTION OFFICE AT 901-636-2462 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, UNLESS OTHERWISE NOTED ON PLANS. SOD SLOPES AND SEED/MULCH ALL OTHER AREAS.
 6. THE CONTRACTOR SHALL VERIFY EXISTING DATA AND REPORT ANY SIGNIFICANT DISCREPANCIES TO THE ENGINEER.

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

8. THE CONTRACTOR SHALL MAINTAIN BARRICADES, FENCES, GUARDS, AND FLAGMEN AS REASONABLY NECESSARY TO ENSURE THE SAFETY OF ALL PERSONS AT OR NEAR THE PROJECT SITE DURING CONSTRUCTION. ALL CONSTRUCTION MATERIAL, INCLUDING, WITHOUT LIMITATION, MUD, SILT, DIRT, AND GRAVEL SHALL BE KEPT OFF EXISTING STREETS AT ALL TIMES. IN THE EVENT SUCH MUD, SILT, DIRT, GRAVEL, OR OTHER CONSTRUCTION MATERIAL IS WASHED, BLOWN, OR CARRIED INTO AN EXISTING STREET, THE CONTRACTOR SHALL TAKE IMMEDIATE STEPS TO REMOVE SUCH MATERIALS. IF THE DEVELOPER DOES NOT REMOVE SUCH MATERIALS AFTER NOTIFICATION BY THE CITY, AND THE CITY DEEMS IT NECESSARY TO CLEAN THE AFFECTED STREETS, THE DEVELOPER AGREES TO REIMBURSE THE CITY FOR ALL SUCH EXPENSES.

9. ALL STREETS SHALL BE KEPT CLEAR AND FREE OF DIRT AND DEBRIS.

10. ALL CONSTRUCTION ACTIVITY SHALL BEGIN NO EARLIER THAN 7:00 A.M. AND END NO LATER THAN 6:00 P.M., MONDAY THRU SATURDAY, AND NO CONSTRUCTION ACTIVITY SHALL BE PERMITTED ON SUNDAYS.

11. CONTRACTOR SHALL RESTORE OFF-SITE ACCESS ROUTES AND ALL DISTURBED AREAS TO ORIGINAL BEFORE-START-OF-WORK CONDITION.

FLOOD HAZARD NOTE:

THE SUBJECT PROPERTY IS LOCATED IN A SPECIAL FLOOD HAZARD AREA ZONE "X" (AREA OF MINIMAL FLOOD HAZARD DETERMINED BY DETAILED METHODS) AS PER FLOOD LINES ESTABLISHED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY AS SHOWN ON FLOOD INSURANCE RATE MAP NUMBER 47157C0312G, DATED FEBRUARY 6, 2013. TRIBUTARY STREAM WATER FLOW WILL BE 805 CFS IN THE EVENT OF A 100-YEAR STORM EVENT.

BENCHMARK NOTE:

CITY OF MEMPHIS BENCHMARK NUMBER 1007 - WHITTEN ROAD & KAMALI AVE: CITY MONUMENT IS LOCATED ON THE SOUTHWEST CORNER, AT THE SOUTHWEST CORNER OF A HEADWALL AT A 15" PIPE RUNNING NORTH, 29' SOUTH OF CENTERLINE OF KAMALI. ELEVATION 278.60.





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S	EXISTING MANHOLE
S	PROPOSED MANHOLE
— SA —	PROPOSED SANITARY SEWER LINE
N E	COORDINATE









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PHASE II SEQUENCING NOTES:

1. MAINTAIN BMPS INSTALLED DURING PHASE I.

 STABILIZE SITE AS SHOWN. ALL OTHER DISTURBED AREAS NOT RECEIVING GROUTED CLASS A-1 RIP-RAP OR NATIVE MATERIAL WILL BE SEEDED AND MULCHED.
 REMOVE BMDS WHEN SITE IS STABLE

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.

 ALL EROSION CONTROL STRUCTURES SHALL BE MAINTAINED AND MONITORED THROUGHOUT THE ENTIRE TIME OF CONSTRUCTION OPERATIONS AND UNTIL VEGETATION IS ESTABLISHED ON ALL BARE, DISTURBED AREAS.
 KEEP CONSTRUCTION DEBRIS, MUD AND SILT FROM ENTERING DITCH CHANNELS OR LEAVING THE JOB SITE AT ALL TIMES UNTIL SITE IS COMPLETELY STABILIZED.

4. 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.

5. 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 SATISFYING THE REQUIREMENTS OF THE STATE OF TENNESSEE DEPARTMENT OF WATER POLLUTION CONTROL AS SET FORTH IN THE TENNESSEE EROSION AND SEDIMENT CONTROL HANDBOOK.
6. ALL NEWLY CUT OR FILL AREAS LACKING ADEQUATE VEGETATION SHALL BE FERTILIZED, MULCHED, SEEDED, AND/OR SODDED TO EFFECTIVELY CONTROL SOIL EROSION.

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

9. TOTAL DISTURBED AREA IS 0.6 ACRES.

10. WHEN PERFORMING PAVEMENT REPAIR, CONTRACTOR SHALL SAW CUT BEYOND THE LIMITS OF THE REPAIR TO CREATE A SQUARE, NEAT EDGE TO INSTALL PAVEMENT AGAINST. 11. GRADING AND UTILITY WORK IS TO BE PERFORMED IN THE DRY. CONTRACTORS TO USE CLEAN WATER DIVERSION. SAND BAG BERM

11. GRADING AND UTILITY WORK IS TO BE PERFORMED IN THE DRY. CONTRACTORS TO USE CLEAN WATER DIVERSION. SAND BAG BERM SHALL BE INCLUDED IN THE COST OF THE "CLEAN WATER DIVERSION". CONTRACTOR SHALL SUBMIT A PLAN STAMPED BY A TENNESSEE PE FOR REVIEW AND APPROVAL BY THE PURCHASER/ENGINEER.

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LEGEND:	10' 5' 0' 10' 20'
EXISTING MINOR CONTOUR250EXISTING MAJOR CONTOURPROPOSED GROUTED CLASS A-1 RIPPROPOSED SEED & MULCH	RAP Know what's below Call before you dig. 811 www.call811.com
REVISION SCRIPTION OF APPROVAL CHANGE DATE ADRIA	SEWER-BASIN: WN-10 DRAIN-BASIN: FLETCHER CREEK
John A Ward 08:53:39-05'00	SHEET 6 OF 9 EROSION-CONTROL-PLAN-PHASE-II ORA-MAE LANE SEWER-REALIGNMENT
	MEMPHIS, LENNESSEE SURVEY: GEODESY DATE: 02/21 PROJECT NO · 36592-02
ORA-MAE LANE SEWER REALIGNMENT memphis, tennessee developer: sarp10	DESIGN BY: BARGE DATE: 04/23 SCALE: 1" = 10' REVIEWED
ENGINEER: BARGE DESIGN SOLUTIONS, INC.	DEPUTY-CITY-ENGINEER DATE CITY-ENGINEER DATE

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LAYER	DEPTH	MATERIAL
BEDDING	4" MIN	#67 CRUSHED LIMESTONE. SEE NOTES (1)(2). WELL COMPACTED.
HAUNCHING	d/2	#67 CRUSHED LIMESTONE STONE TAMPED IN 6" MAXIMUM LAYERS. SEE NOTE (2). WELL COMPACTED W/SIDE TAMPER HAND TAMPER.
PHASE I BACKFILL	d/2	CRUSHED LIMESTONE OR RECYCLED CRUSHED CONCRETE TAMPED IN 6" MAXIMUM LAYERS. SE WELL COMPACTED W/SIDE TAMPER HAND TAMPER.
PHASE II BACKFILL	6"	CRUSHED LIMESTONE OR RECYCLED CRUSHED CONCRETE . SEE NOTE (3). WELL COMPACTED W/HAND TAMPER.
PHASE III BACKFILL	6"	SELECT EARTH MATERIAL. SEE NOTE (4). WELL COMPACTED W/PNEUMATIC OR MECHANICAL TAMPER.
PHASE IV BACKFILL	VARIES	SELECT EARTH MATERIAL TAMPED IN 12" MAXIMUM LAYERS. SEE NOTE (4). COMPACTED TO 95% PER ASTM D698
PHASE V BACKFILL	12"	SELECT EARTH MATERIAL. SEE NOTE (4). COMPACTED TO 95% PER ASTM D698 *SEE COVER SEEDING MIXTURE (DETAIL 04, SHEET C7 21) FOR LIPPER 2-4" OF SOIL FOR TOPSOIL

*SEE COVER SEEDING MIXTURE (DETAIL 04, SHEET C7.21) FOR UPPER 2-4" OF SOIL FOR TOPSOIL, MULCH, ETC.

(1) SEE GEOTECHNICAL ENGINEER'S RECOMMENDATIONS AND UTILITY AND TRENCHING SPECIFICATION FOR SPECIAL FOUNDATION

(2) INSTALL CRUSHED LIMESTONE ASTM D-448-54 TABLE 1, #67 FOR BEDDING AND HAUNCHING MATERIAL. THE QUANTITY OF CRUSHED LIMESTONE

(3) INSTALL EITHER CRUSHED LIMESTONE OR RECYLCED CRUSHED CONCRETE FOR PHASE I & II BACKFILL PER CITY OF MEMPHIS SPECIFICATIONS.

(4) INSTALL SELECT EARTH MATERIAL FOR PHASE III, IV, & V BACKFILL UNDER UNIMPROVED AREAS PER CITY OF MEMPHIS SPECIFICATIONS.

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MEMPHIS, TENNESSEE DEVELOPER: SARP10 ENGINEER: BARGE DESIGN SOLUTIONS, INC.

DEPUTY-CITY-ENGINEER DATE

CITY-ENGINEER

DATE

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ITEM NO.

NOTES:

- 1. PLACE CR610 (TYP.) IN TWO COMPACTED LIFTS TO 100% STANDARD PROCTOR ASTM D698.
- 2. PLACE SEPARATION GEOTEXTILE FABRIC BETWEEN SUBGRADE AND AGGREGATE BASE.
- 3. FILL TO ACHIEVE SUBGRADE ELEVATION. SUBGRADE TO BE PLACED ON STABLE EXISTING GROUND AFTER IT HAS BEEN GRUBBED, STRIPPED, AND PROOFROLLED TO SHOW STABILITY.
- 4. IF UNSTABLE, UNDERCUT AS NEEDED AND APPROVE BY ENGINEER.
- 5. SIDE SLOPES NO STEEPER THAN 1V:3H AND VEGETATE AS NEEDED FOR EROSION PROTECTION.
- 6. HAUL ROAD SHALL BE PAID FOR UNDER "CONSTRUCTION EXIT".

REVISION DESCRIPTION OF CHANGE	APPROVAL DATE	John A Ward 08:54:29-05'00	SEWER-E DRAIN-BASIN	BASIN: WN : Fletche	I–10 R CREEK	C7.22
			SHEET 9 OF 9			
			EROSION-CONTROL-DETAILS ORA-MAE LANE SEWER-REALIGNMENT			
			MEMI	PHIS, TEN	NNESSEE	
ORA-MAE LANE SEWER REALIGNMENT memphis, tennessee developer: sarp10			SURVEY: GEODESY DESIGN BY: BARGE	DATE: 02/21 DATE: 04/23 REVIEWE	PROJECT NO.: SCALE: N.T.S. D	36592-02
ENGINEER: BARGE DESIGN SOLUTIONS, INC.			DEPUTY-CITY-ENGINEER	DATE	CITY-ENGINEER	DATE