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C-1	COVER SHEET
C-2	GENERAL NOTES
C-3	EXISTING CONDITIONS AND DEMOLITION PLAN
C-4	OVERALL SEWER PLAN
C-5	EROSION CONTROL PLAN - PHASE 1
C-6	EROSION CONTROL PLAN - FINAL STABILIZATION
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C-9	PLAN & PROFILE - 8" SANITARY SEWER
C-10	TRAFFIC CONTROL PLAN - BELIN DRIVE
C-11	TRAFFIC CONTROL PLAN - WHITTEN ROAD
C-12	TRAFFIC CONTROL PLAN - HILLSHIRE DRIVE
C-13	SEWER DETAILS
C-14	CONSTRUCTION DETAILS
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APPROVED FOR CONSTRUCTION
THE DOCUMENT BEARING THIS STAMP HAS BEEN RECEIVED AND REVIEWED BY THE **TENNESSEE DEPT. OF ENVIRONMENT & CONSERVATION**DIVISION OF WATER RESOURCES
AND IS HEREBY APPROVED FOR CONSTRUCTION BY THE COMMISSIONER

WPN24.0967

02/18/2025 THIS APPROVAL SHALL NOT BE CONSTRUED AS CREATING A PRESUMPTION OF CORRECT OPERATION OR AS WARRANTING BY THE COMMISSIONER THAT THE APPROVED FACILITIES WILL REACH THE DESIGNED GOALS.

APPROVAL EXPIRES ONE YEAR FROM ABOVE DATE

CONSTRUCTION DRAWINGS

HILLSHIRE STORAGE BASIN AND CONVEYANCE CONVEYANCE SYSTEM - PHASE 1 6871 HILLSHIRE DRIVE CITY OF MEMPHIS - SARP10 MEMPHIS, TENNESSEE



VICINITY MAP N.T.S.

FEBRUARY, 2025

ARPA PROJECT WW-PDC-01 HILLSHIRE STORAGE AND CONVEYANCE

PERMIT NUMBER 0020711 CITY OF MEMPHIS

PREPARED FOR:



PREPARED BY:



Pickering Firm, Inc. Facility Design • Civil Engineering • Surveying • Transportation • Natural / Water Resources 6363 Poplar Avenue, Suite 300 Memphis, TN 38119 901.726.0810





THE PLANS, IDEAS AND DESIGNS SHOWN ON THIS DRAWING ARE THE PROPERTY OF THE ENGINEER, DEVISED SOLELY FOR THIS CONTRACT. THIS PLAN SHALL NOT BE USED, WHOLE OR IN PART, FOR ANY PURPOSE FOR WHICH IT WAS NOT INTENDED WITHOUT THE WRITTEN PERMISSION OF THE ENGINEER.

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-	LOCATION OF EXISTING UNDERGROUND UTILITIES ARE APPROXIMATE AND ARE NOT NECESSARILY ALL OF 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. OR SOUTH CENTRAL BELL AND FOR SEWER SERVICE LOCATIONS, CALL 811.
	CONTRACTOR SHALL REMOVE & REPAIR PAVEMENT AS REQUIRED FOR UTILITY CONSTRUCTION INCLUDING BUT NOT LIMITED TO: IRRIGATION SLEEVES, SITE LIGHTING CONDUITS, WATER LINES, SANITARY SEWER LINES, STORM DRAINAGE LINES, ETC.
	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 NOTIFY THE SARP10 CONSTRUCTION MANAGER A MINIMUM OF 24 HOURS PRIOR TO BEGINNING ANY CONSTRUCTION.
	ALL NEWLY CUT AND/OR FILLED AREAS LACKING ADEQUATE VEGETATION SHALL BE SEEDED, MULCHED, FERTILIZED AND/OR SODDED AS REQUIRED TO EFFECTIVELY CONTROL SOIL EROSION PER CITY OF MEMPHIS AND STATE REGULATIONS.
	THE CONTRACTOR SHALL VERIFY EXISTING DATA AND REPORT ANY SIGNIFICANT DISCREPANCIES TO SARP10 CONSTRUCTION MANAGER.
	THE CONTRACTOR MUST HAVE WRITTEN APPROVAL FROM THE SARP10 CONSTRUCTION MANAGER AND PROJECT MANAGER BEFORE ANY CHANGE IN DESIGN IS MADE. SANITARY SEWER SERVICE CONNECTIONS TO BE INSTALLED AS PER CITY OF MEMPHIS STANDARD SST-16.
	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.
).	THE CONTRACTOR SHALL PROVIDE ADEQUATE AND EFFECTIVE EROSION CONTROL AS NECESSARY TO PREVENT ANY SILTATION ENTERING INTO EXISTING DRAINAGE SYSTEMS AND/OR ADJACENT PROPERTIES.
1.	THE CONTRACTOR SHALL REMOVE ALL UNDERGROUND UTILITIES AND ANY OTHER ITEMS IN ACCORDANCE WITH THE TENNESSEE DEPARTMENT OF ENVIRONMENT & CONSERVATION AND THE TECHNICAL SPECIFICATIONS. THE CONTRACTOR SHALL STRICTLY FOLLOW ALL CITY, STATE, AND FEDERAL GUIDELINES FOR REMOVAL AND DISPOSAL OF THESE FACILITIES.
<u>2</u> .	CONTRACTOR SHALL INSPECT EXISTING SIDEWALK AND REPAIR ANY CRACKED PORTIONS OR AREAS WITH GREATER THAN 2% CROSS SLOPES. HANDICAP RAMPS SHALL BE INSTALLED AS NOTED ON THE PAVING PLAN C-200.
}.	CONTRACTOR SHALL NOT BEGIN THE PUBLIC IMPROVEMENTS PORTION OF THE CONTRACT UNTIL APPROVAL BY CITY IS OBTAINED. ANY PRIOR WORK WILL BE DONE AT RISK.
ł.	CONTRACTOR SHALL PERFORM ALL GRADING WORK IN SUCH MANNER THAT ADJACENT PROPERTIES ARE NOT DAMAGED OR ADVERSELY AFFECTED.
5.	ALL CONCRETE UNLESS SPECIFIED OTHERWISE SHALL BE CITY OF MEMPHIS CLASS AS F'c = 4,000 PSI (CLASS A LIMESTONE AGGREGATE).
ò.	ALL EARTHWORK OPERATIONS SHALL BE DONE IN STRICT ACCORDANCE WITH THE REQUIREMENTS OF THE GEOTECHNICAL ENGINEER. REFER TO THE GEOTECHNICAL REPORT PREPARED BY GEOTECHNOLOGY DATED MARCH 1, 2022, AND ADDENDUM No. 1 DATED JUNE 14, 2022.
7 .	DIMENSIONS ALONG CURB LINES ARE TO THE FACE OF CURB. DIMENSIONS TO PAINT STRIPES ARE TO THE CENTER AND END OF STRIPES.
8.	CONTRACTOR SHALL SUBMIT TRAFFIC CONTROL PLANS TO ENGINEER FOR REVIEW BEFORE BEGINNING ANY WORK IN THE RIGHT OF WAY.
).	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.

- A MINIMUM OF 24-HOURS PRIOR TO BEGINNING CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE SARP10 CONSTRUCTION MANAGER.
- ALL NEWLY CUT OR FILLED AREAS. LACKING ADEQUATE VEGETATION. SHALL BE SEEDED. MULCHED. FERTILIZED AND/OR SODDED AS REQUIRED TO EFFECTIVELY CONTROL SOIL EROSION.
- THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE APPROXIMATE AND NOT NECESSARILY ALL OF SAME. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE UTILITY COMPANIES WHICH MAINTAIN A UTILITY LINE WITHIN THE BOUNDARIES OF THE PROJECT PRIOR TO THE INITIATION OF ANY CONSTRUCTION ON THE PROJECT OR IN THE STREETS BORDERING THE PROJECT. THE CONTRACTOR SHALL ALSO ASSUME FULL RESPONSIBILITY FOR DAMAGE TO ANY UTILITIES ENCOUNTERED WITHIN CONSTRUCTION PERIMETERS, WHETHER SHOWN ON THE CONSTRUCTION PLANS OR NOT, DURING THE WORK ON THE PROJECT, FOR SITE LOCATION OF EXISTING UTILITIES INVOLVING MLG&W, SOUTH CENTRAL BELL, AND/OR TEXAS GAS COMPANY, PLEASE CALL 811. FOR SEWER LOCATIONS CALL 811.
- CONTRACTOR SHALL MAINTAIN ACCESS TO ALL PROPERTIES.
- ALL FILL SOILS SHALL BE COMPACTED TO A MINIMUM OF 95% OF STANDARD PROCTOR DENSITY (ASTM-698) WITHIN 3% OF OPTIMUM MOISTURE CONTENT IN LIFTS NOT TO EXCEED SIX (6) INCHES OF COMPACTED THICKNESS.
- ALL CONSTRUCTION MATERIALS AND PROCEDURES SHALL MEET OR EXCEED THE REQUIREMENTS OF THE CITY OF MEMPHIS STANDARD CONSTRUCTION SPECIFICATIONS.
- 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.
- VERIFY SITE CONDITIONS PRIOR TO CONSTRUCTION. NOTIFY THE SARP10 CONSTRUCTION MANAGER OF ANY VARIATIONS PRIOR TO COMMENCEMENT OF WORK.
- ALL GRADING WORK SHALL BE PERFORMED IN SUCH MANNER THAT ADJACENT PROPERTIES ARE NOT DAMAGED OR ADVERSELY AFFECTED.
- 0. LOT DRAINAGE: FINISH GRADE SHALL BE SLOPED AWAY FROM THE FOUNDATION FOR DRAINAGE. THE FINISH GRADE MUST BEGIN AT LEAST 12-INCHES BELOW THE TOP OF THE FOUNDATION WALL OR THE GRADE OF THE CONCRETE SLAB AT THE INTERIOR IN THE CASE OF AN INTEGRAL SLAB AND FOUNDATION. THE MINIMUM GRADE AWAY FROM THE FOUNDATION SHALL BE TWO PERCENT (2%) IN ALL DIRECTIONS. THE DRIVEWAY SHALL BE SLOPED DOWN AT TWO PERCENT (2%) FOR AT LEAST EIGHT FEET FROM THE STRUCTURE.

PICKERING FIRM INCORPORATED UNDERGROUND UTILITIES DISCLAIMER:

INFORMATION REGARDING THE REPUTED PRESENCE, SIZE, CHARACTER AND LOCATION OF EXISTING UNDERGROUND UTILITIES AND STRUCTURES RELATED TO UNDERGROUND UTILITIES IS SHOWN HEREON. THERE IS NO CERTAINTY OF THE ACCURACY OF THIS INFORMATION AND IT SHALL BE CONSIDERED IN THAT LIGHT BY THOSE USING THIS DRAWING. THE LOCATION AND ARRANGEMENT OF UNDERGROUND UTILITIES AND STRUCTURES RELATED TO UNDERGROUND UTILITIES SHOWN HEREON MAY BE INACCURATE AND UTILITIES AND STRUCTURES RELATED TO UNDERGROUND UTILITIES NOT SHOWN MAY BE ENCOUNTERED. THE OWNER, HIS EMPLOYEES, HIS CONSULTANTS AND HIS CONTRACTORS SHALL HEREBY DISTINCTLY UNDERSTAND THAT THE ENGINEER IS NOT RESPONSIBLE FOR THE CORRECTNESS OR SUFFICIENCY OF THIS INFORMATION REGARDING THE UNDERGROUND UTILITIES AND STRUCTURES RELATED TO UNDERGROUND UTILITIES SHOWN HEREON.

CITY OF MEMPHIS SANITARY SEWER CONSTRUCTION NOTES

- BYPASSING.
- 3. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL PROPERTIES.
- PRIOR TO THE BEGINNING OF CONSTRUCTION.
- MULCHED, FERTILIZED, AND/OR SODDED TO PREVENT EROSION.
- TO THE ENGINEER.
- MEMPHIS STANDARD SST-16.
- GRADE.

- CROSSINGS.
- DRAINAGE INFLOW INTO THE SEWER SYSTEM.
- ADJACENT PROPERTIES.
- MEMPHIS DETAIL SST-17 ON SEE SHEET C-19.

WATER/SEWER SEPARATION NOTE:

- OR MANHOLE (WATER OVER SEWER).

- WATER LINE CROSSING.
- EACH WAY FROM THE WATER LINE CROSSING.

DEMOLITION NOTES:

- THESE FACILITIES.
- OF IN ACCORDANCE WITH ALL CITY, STATE AND FEDERAL REGULATIONS.
- CONDUITS.
- AND DISPOSED OF PER LOCAL REGULATIONS.
- PROPERTY OWNERS WHO MAY EXPERIENCE A DISRUPTION IN SERVICE.
- REMAIN PER LOCAL REGULATIONS.
- STRUCTURES.
- RELOCATION.
- RIGHT-OF-WAYS.

1. THE 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 UNDERGROUND STRUCTURES PRIOR TO THE INITIATION OF ANY CONSTRUCTION. CONTRACTOR SHALL ALSO ASSUME FULL RESPONSIBILITY FOR DAMAGE TO ANY UTILITIES ENCOUNTERED WITHIN THE CONSTRUCTION PERIMETERS. THE SITE LOCATION FOR EXISTING UTILITIES INVOLVING MLG&W, SOUTH CENTRAL BELL, TEXAS GAS COMPANY, AND FOR SEWER LOCATION CALL 811.

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

4. CONTRACTOR SHALL NOTIFY THE SARP10 CONSTRUCTION MANAGER A MINIMUM OF 24 HOURS

5. ALL AREAS IN CUT OR FILL WHERE VEGETATION HAS BEEN REMOVED SHALL BE SEEDED,

6. THE CONTRACTOR SHALL VERIFY EXISTING DATA AND REPORT ANY SIGNIFICANT DISCREPANCIES

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

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 FINISHED

9. ALL SANITARY SEWER, INCLUDING SEWER 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. THEY 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.

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

12. 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

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

14. TRACER WIRES ARE REQUIRED FOR ALL SEWER MAINS AND SERVICES PER STANDARD CITY OF

1. WATER MAINS SHALL BE LAID AT LEAST 10' HORIZONTALLY AND 24" VERTICALLY FROM ANY SEWER

2. WHERE LOCAL CONDITIONS PREVENT ADEQUATE VERTICAL SEPARATION, THE SANITARY SEWER MUST BE CONSTRUCTED OF DUCTILE IRON, PVC, OR REINFORCED CONCRETE, THE SEWER LINE MUST MEET REQUIREMENTS OF THE CITY OF MEMPHIS STANDARD SPECIFICATIONS, AND MUST BE PRESSURE TESTED PURSUANT TO CHAPTER VI OF THE STATE HEALTH DEPARTMENT MINIMUM STANDARD OF DESIGN OF WATER POLLUTION CONTROL FACILITIES.

3. JOINTS IN THE SEWER PIPE SHALL BE LOCATED A MINIMUM OF 10' FROM THE INTERSECTED WATER

4. WHERE A 24" SEPARATION, WATER OVER SEWER, CANNOT BE MAINTAINED, THE SANITARY SEWER SHALL BE REINFORCED CONCRETE ENCASED FOR A DISTANCE OF TEN FEET EACH WAY FROM THE

WHERE A WATER MAIN IS LAID BELOW THE SANITARY SEWER, REGARDLESS OF CLEAR SPACE, THE SANITARY SEWER SHALL BE REINFORCED CONCRETE ENCASED FOR A DISTANCE OF TEN FEET

1. THE CONTRACTOR SHALL REMOVE ALL UNDERGROUND UTILITIES AND ANY OTHER ITEMS IN ACCORDANCE WITH THE TDEC AND THE TECHNICAL SPECIFICATIONS. THE CONTRACTOR SHALL STRICTLY FOLLOW ALL CITY, STATE, AND FEDERAL GUIDELINES FOR REMOVAL AND DISPOSAL OF

2. ALL BUILDING, CONCRETE, ASPHALT PAVEMENT, AND GRANULAR SUBBASE SHALL BE REMOVED FULL DEPTH PER THE DIRECTION OF THE GEOTECHNICAL ENGINEER. ALL MATERIALS SHALL BE DISPOSED

3. CONTRACTOR SHALL REMOVE & REPAIR PAVEMENT AS REQUIRED FOR UTILITY CONSTRUCTION INCLUDING BUT NOT LIMITED TO: IRRIGATION SLEEVES, SITE LIGHTING CONDUITS, WATER LINES, SANITARY SEWER LINES, STORM DRAINAGE LINES, ETC. CONTRACTOR HAS OPTION TO BORE

ANY EXISTING UTILITIES WITHIN 10' OF THE BUILDING FOOTPRINT SHALL BE COMPLETELY REMOVED

PRIOR TO COMMENCING ANY UTILITY WORK, CONTRACTOR SHALL NOTIFY ANY SURROUNDING

6. THE CONTRACTOR SHALL ENSURE ADEQUATE ACCESS IS PROVIDED TO ADJACENT PROPERTIES, ETC DURING ALL PHASES OF CONSTRUCTION. COORDINATE WITH THE PROJECT MANAGER.

WHEN REMOVING UTILITIES, CONTRACTOR SHALL GROUT AND SEAL ANY STRUCTURES THAT ARE TO

8. UTILITIES SHOWN ARE LOCATED BY FIELD SURVEY AND RECORD DRAWINGS. ADDITIONAL UNDERGROUND UTILITIES WILL BE ENCOUNTERED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REMOVE ANY INACTIVE STRUCTURES & ALERT THE ENGINEER OF ANY ACTIVE, UNMAPPED

9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COORDINATION OF UTILITY DEMOLITION &

10. CONTRACTOR SHALL NOT INTERRUPT DRAINAGE FROM ADJACENT PROPERTIES AND PUBLIC

TRAFFIC CONTROL NOTES

- 1. SEE SECTION 6F.03, SIGN PLACEMENT, OF THE STATE OF TENNESSEE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) FOR HEIGHT AND LATERAL LOCATION OF SIGNS.
- 2. SIGNS SHOWN ON THIS PLAN ARE TO WARN 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 ACCORDING WITH THE CURRENT STATE OF TENNESSEE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS."
- 4. CONTRACTOR SHALL BE REQUIRED TO NOTIFY THE CITY OF MEMPHIS CONSTRUCTION INSPECTION DEPARTMENT (901)636-2462 AND TRAFFIC ENGINEERING DEPARTMENT (901) 636-6710 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.
- SIZES OF ALL SIGNS SHALL COMPLY WITH STATE OF TENNESSEE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
- 6. ALL TRAFFIC CONTROL DEVICES AND THEIR INSTALLATION SHALL MEET THE STANDARD PRESCRIBED IN THE STATE OF TENNESSEE 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 RIGHT-OF-WAY OR WITHIN THIRTY (30) FEET OF THE EDGE OF PAVEMENT WHICHEVER 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 RIGHT-OF-WAY OR WITHIN THIRTY (30) FEET OF AN OPEN TRAFFIC LANE WHICHEVER IS LESS, AT ANY TIME UNLESS PROTECTED AS DESCRIBED ABOVE.
- 10. CONTRACTOR SHALL USE PLASTIC DRUMS WITH TYPE "A" WARNING LIGHTS TO SEPARATE TRAFFIC FROM THE CONSTRUCTION AREA.
- 11. CONTRACTOR SHALL COVER ALL EXISTING SIGNS THAT CONFLICT WITH THE TRAFFIC CONTROL PLAN SIGNS OR DEVICES DURING CONSTRUCTION AND THEY SHALL REMAIN DURING CONSTRUCTION AND UNTIL SUCH TIME THAT NO CONFLICT EXISTS.
- 12. TWO-WAY TRAFFIC SHALL BE MAINTAINED ON HILLSHIRE DRIVE AND WHITTEN ROAD AT ALL TIMES. SEE SHEET 13 FOR TEMPORARY CLOSURE OF BELIN DRIVE AND DETOUR PLAN.
- 13. ALL TEMPORARY OR PERMANENT TRAVELED SURFACE SHALL BE INSPECTED DAILY BY THE CONTRACTOR (INCLUDING WEEKENDS) AND NECESSARY PATCHING OR REFINISHING PERFORMED.
- 14. CENTERLINE/LANE LINES SHOULD BE PLACED, REPLACED, OR DELINEATED WHERE APPROPRIATE BEFORE THE ROADWAY IS OPENED TO TRAFFIC.
- 15. THE APPROPRIATE TRAFFIC CONTROL SHALL BE INSTALLED AT THE INCEPTION OF EACH STAGE OF CONSTRUCTION AND SHALL BE PROPERLY MAINTAINED AND/OR 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.
- 16. EXISTING STRIPING THAT CONFLICTS WITH THE 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.
- 17. ALL TRAFFIC CONTROL SIGNS SHALL MEET THE MINIMUM RETROREFLECTIVITY LEVELS SPECIFIED IN THE CURRENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
- 18. WORK WITHIN THE ROADWAY SHALL BE CONDUCTED BETWEEN 9:00 A.M. AND 4:00 P.M. AND THE ROADWAY SHALL BE COMPLETELY OPEN TO TRAFFIC AT ALL OTHER TIMES AND ALL INAPPROPRIATE SIGNS SHALL BE COVERED OR REMOVED.
- 19. CONTRACTOR WILL COORDINATE WITH MATA CONCERNING BUS STOP LOCATED WITHIN THE WORK ZONE.
- 20. CONTRACTOR SHALL CONTACT THE CITY OF MEMPHIS SIGNAL SHOP AT 528-2844 FOR LOCATION OF SIGNAL CONDUIT AND WIRES.
- 21. CONTRACTOR SHALL INSTALL TEMPORARY NO PARKING SIGNS AS REQUIRED WITHIN THE TRAFFIC CONTROL AREA.
- 22. 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 SIDEWALK. UPON COMPLETION OF SIDEWALK AND CURB & GUTTER IMPROVEMENTS, A MINIMUM OF 5 FOOT WIDE PEDESTRIAN PATHWAY SHALL BE PROVIDED THROUGHOUT THE REMAINDER OF THE PROJECT.
- 23. ANY CLOSURE OF THE RIGHT OF WAY SHALL BE LIMITED TO THE ACTIVE DEMOLITION OR CONSTRUCTION. CONTINUOUS UNWARRANTED CLOSURE OF RIGHT OF WAY SHALL NOT BE ALLOWED FOR THE DURATION OF THE PROJECT. THE DEVELOPER SHALL PROVIDE ON THE TRAFFIC CONTROL PLAN, THE TIME NEEDED PER PHASE TO COMPLETE THAT PORTION OF WORK. TIME LIMITS WILL BEGIN ON THE DAY OF CLOSURE AND WILL BE MONITORED BY THE ENGINEERING CONSTRUCTION INSPECTORS (636-2462) ON THE JOB.

FLOOD NOTE:

THIS IS TO CERTIFY THAT BY GRAPHIC DETERMINATION THE ABOVE PLATTED PROPERTY IS IN A SPECIAL FLOOD HAZARD AREA (SFHA) SUBJECT TO INUNDATION BY THE 0.2% ANNUAL CHANCE FLOOD. THE SUBJECT PROPERTY IS SHOWN IN A "ZONE X (SHADED ON FEMA/FIRM MAP): AREAS OF 0.2% ANNUAL CHANCE FLOOD; AREAS OF 1% ANNUAL CHANCE FLOOD WITH AVERAGE DEPTHS OF LESS THAN 1 FOOT OR WITH DRAINAGE AREAS LESS THAN 1 SQUARE MILE; AND AREAS PROTECTED BY LEVEES FROM 1% ANNUAL CHANCE FLOOD ACCORDING TO THE FEMA/FIRM MAP NUMBER 47157C0321G WITH AN EFFECTIVE DATE OF 2/6/2013.

+ CITY BENCHMARK: #1652 LOCATED AT HILLSHIRE DRIVE AND HOMETOWN DRIVE

CITY CAP LOCATED AT THE NORTHEAST CORNER GLUED TO THE THE TOP OF CURB @ ER ON HILLSIRE DRIVE SIDE. ELEV: 266.73

PROJECT BENCHMARK:

TOP OF 6-72 INLET ON THE SOUTH SIDE OF HILLSHIRE DRIVE APPROX 304' EAST OF THE CENTERLINE OF WHITTEN ROAD AS SHOWN. ELEV: 264.14

TOP OF SMH IN BERLIN DRIVE APPROX 128' NORTH OF HILLSHIRE DRIVE CENTERLINE AS SHOWN.

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EROSION AND SEDIMENTATION CONTROL NOTES:

- ALL NEWLY CUT AND/OR FILLED AREAS LACKING ADEQUATE VEGETATION SHALL BE SODDED AS REQUIRED TO EFFECTIVELY PREVENT SOIL EROSION.
- SILT FENCES, HAY BALES, AND OTHER BEST MANAGEMENT PRACTICES SHALL BE USED AS SHOWN AND AS DIRECTED BY THE ENGINEER TO CONTROL SOIL EROSION.
- THE CONTRACTOR SHALL PROVIDE AND MAINTAIN EROSION CONTROL DURING CONSTRUCTION BY THE PLACEMENT OF SILT FENCES, SEDIMENT INLET TRAPS, HAY BALES, AND OTHER BEST MANAGEMENT PRACTICES WHERE NECESSARY TO PREVENT DOWNSTREAM SILTATION OF ANY DITCHES, PIPES, DRAINAGE STRUCTURES, OR ADJACENT PROPERTIES. THE CONTROLS SHOWN ON THE PLAN ARE THE MINIMUM REQUIRED AND THE CONTRACTOR SHALL PROVIDE ANY ADDITIONAL EROSION CONTROL AS NECESSARY OR AS DIRECTED BY THE ENGINEER.
- THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING TO THE TDEC STORM WATER CONSTRUCTION GENERAL PERMIT FOR ALL EROSION CONTROL DURING CONSTRUCTION ACTIVITIES.
- THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING EROSION CONTROL DEVICES AND REPORTING ANY MAINTENANCE AS REQUIRED BY THE TDEC STORM WATER CONSTRUCTION GENERAL PERMIT DURING CONSTRUCTION ACTIVITIES.
- PROVISIONS SHALL BE MADE TO PROTECT DOWNSTREAM WATERCOURSES (I.E., STORM SEWER SYSTEMS, DITCHES, WETLANDS, ETC.) FROM SEDIMENT RUNOFF DEVELOPED FROM THE CONSTRUCTION PROCESS. PROVISIONS INCLUDE, BUT ARE NOT LIMITED TO, STRUCTURAL CONTROLS SUCH AS SILT FENCING, HAY BALES, DIKES AND SANDBAG BERMS; AND/OR VEGETATION CONTROLS SUCH AS SEEDING OR EXISTING VEGETATIVE BUFFER STRIPS (MINIMUM 25 FEET WIDE).
- PRIOR TO START OF CONSTRUCTION, CONTRACTOR SHALL INSTALL EROSION AND SEDIMENTATION CONTROLS AT LOCATIONS SHOWN ON PLANS.
- ABSOLUTELY NO DIRT, MUD, DUST OR SEDIMENT SHALL MOVE INTO ANY STORM DRAIN APPURTENANCES AND PUBLIC STREETS.
- CONTRACTOR SHALL PERFORM DAILY STREET CLEANING ON ROADS AND STREETS ADJACENT TO THE PROJECT WHICH ARE USED AS ACCESS ROUTES FOR CONSTRUCTION TRAFFIC IF DIRT AND MUD ARE NOT ADEQUATELY REMOVED FROM VEHICLES AT THE CONSTRUCTION EXIT. WASHING OF STREETS IS PROHIBITED.
- 0. LOCATE FUEL/MATERIAL STORAGE AREAS AWAY FROM STORM WATER CONVEYANCE SYSTEMS. USE A MINIMUM 60 MIL POLYETHYLENE LINER UNDER ABOVE GROUND STORAGE TANKS. USE 2 FOOT HIGH BERMS AROUND FUEL STORAGE AREAS.
- 11. CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL ENVIRONMENTAL LAWS.
- 12. CONTRACTOR IS RESPONSIBLE FOR DISPOSING OF FUELS, MATERIALS AND CONTAMINATED EXCAVATIONS IN A LEGALLY APPROVED MANNER.
- 13. AT A MINIMUM, STRUCTURAL CONTROLS SHOULD BE INSPECTED TWICE EVERY CALENDAR WEEK AT LEAST 72 HOURS APART. THE INSPECTOR, APPROVED BY THE OWNER, SHALL HAVE AN ACTIVE CERTIFICATION BY COMPLETING THE "FUNDAMENTALS OF EROSION PREVENTION AND SEDIMENT CONTROL LEVEL I" COURSE. A COPY OF THE CERTIFICATION SHALL BE KEPT ONSITE, SHOULD CONTROLS BECOME INEFFECTIVE, NECESSARY REPAIRS SHALL BE PERFORMED TO RETURN THE INTEGRITY OF THE STRUCTURAL CONTROLS.
- 14. CONTRACTOR SHALL MAINTAIN, REPAIR AND/OR REPLACE DAMAGED EROSION AND SEDIMENTATION CONTROL SYSTEMS THROUGHOUT THE DURATION OF THE CONTRACT.
- 15. CONTRACTOR WILL PROVIDE PROTECTED STORAGE AREAS FOR CHEMICALS, PAINTS, SOLVENTS, FERTILIZERS AND OTHER POTENTIALLY TOXIC MATERIALS.
- 16. EQUIPMENT STAGING AREA TO BE DESIGNATED BY CONTRACTOR AND APPROVED BY OWNER PRIOR TO CONSTRUCTION.
- 17. THE CONTRACTOR SHALL PROVIDE ALL EROSION CONTROL NECESSARY FOR UTILITY CONSTRUCTION, EVEN IF THE UTILITIES ARE OUTSIDE THE LIMITS OF GRADING OPERATIONS.
- SEDIMENT WILL BE REMOVED FROM THE UPSTREAM FACE OF THE SILT FENCE WHEN IT REACHES A MAXIMUM DEPTH OF 50% OF THE FENCE'S CAPACITY. THE FENCE WILL BE REPLACED AS NECESSARY TO MAINTAIN A BARRIER.1
- 19. THE CONTRACTOR SHALL SUBMIT PHASED EROSION CONTROL PLANS TO THE ENGINEER FOR REVIEW AS NEEDED TO CONTROL SEDIMENT AND EROSION DURING CONSTRUCTION.
- 20. TEMPORARY SEEDING MAY BE REQUIRED IN ADDITION TO PERMANENT SEEDING TO ASSIST IN COMPLYING WITH THE CONSTRUCTION GENERAL PERMIT.
- 1. TEMPORARY OR PERMANENT SOIL STABILIZATION AT THE CONSTRUCTION SITE (OR A PHASE OF PROJECT) MUST BE COMPLETED NO LATER THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED.
- 22. PRE-CONSTRUCTION VEGETATIVE GROUND COVER SHALL NOT BE DESTROYED, REMOVED OR DISTURBED MORE THAN 15 DAYS PRIOR TO GRADING OR EARTH MOVING UNLESS THE AREA IS SEEDED AND/OR MULCHED OR OTHER TEMPORARY COVER IS INSTALLED.

NOTE: GEOTEXTILE FABRIC PROTECTION/SILT FENCE ALONE IS NOT AN ADEQUATE MEASURE OF INLET PROTECTION.

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	LIMITS OF DISTURBED AREA

NOTES:

- 1. THE PROPERTY IS IN THE FLETCHER CREEK BASIN AND IS NOT IN THE 100-YEAR FLOODPLAIN, BUT IS WITHIN THE 500-YEAR FLOODPLAIN. THE 100-YEAR FLOOD PLAIN IS APPROXIMATELY 261', AND THE 500-YEAR FLOODPLAIN IS APPROXIMATELY 267' BASED ON FIRM #47157C0321G (REVISED 05/06/2013).
- 2. REFER TO SHEET C-2 FOR GENERAL EROSION CONTROL NOTES. CONTRACTOR SHALL RESTORE LAYDOWN AREA WITH PERMANENT SEEDING & MULCH. UP TO 2.6± ACRES.

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HILLSHIRE CONVEYANCE SYSTEM - PHASE 1
DEVELOPER: SARP10
ENGINEER: PICKERING FIRM, INC. AND CANNON & CANNON, INC. DEPUTY CITY ENGINEER DATE CITY ENGINEER DATE



NOTE: SEE SHEET C-2 FOR GENERAL NOTES. SEE SHEET C-15 FOR DETAILS.

HATCH LEGEND
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PROPOSED CONCRETE PAVEMENT
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- REFER TO SHEET C-2 FOR GENERAL EROSION CONTROL NOTES. CONTRACTOR SHALL RESTORE LAYDOWN AREA WITH PERMANENT SEEDING & MULCH. UP TO 2.6± ACRES.



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FLOOD NOTE:

THIS IS TO CERTIFY THAT BY GRAPHIC DETERMINATION THE ABOVE PLATTED PROPERTY IS IN A SPECIAL FLOOD HAZARD AREA (SFHA) SUBJECT TO INUNDATION BY THE 0.2% ANNUAL CHANCE FLOOD. THE SUBJECT PROPERTY IS SHOWN IN A "ZONE X (SHADED ON FEMA/FIRM MAP): AREAS OF 0.2% ANNUAL CHANCE FLOOD; AREAS OF 1% ANNUAL CHANCE FLOOD WITH AVERAGE DEPTHS OF LESS THAN 1 FOOT OR WITH DRAINAGE AREAS LESS THAN 1 SQUARE MILE; AND AREAS PROTECTED BY LEVEES FROM 1% ANNUAL CHANCE FLOOD ACCORDING TO THE FEMA/FIRM MAP NUMBER 47157C0312G WITH AN EFFECTIVE DATE OF 2/6/2013.

+ CITY BENCHMARK: #1652 LOCATED AT HILLSHIRE DRIVE AND HOMETOWN DRIVE CITY CAP LOCATED AT THE NORTHEAST CORNER GLUED TO THE THE TOP OF CURB @ ER ON HILLSIRE DRIVE SIDE. ELEV: 266.73 PROJECT BENCHMARK: TOP OF 6-72 INLET ON THE SOUTH SIDE OF HILLSHIRE DRIVE APPROX 304' EAST OF THE CENTERLINE OF WHITTEN ROAD AS SHOWN. ELEV: 264.14

TOP OF SMH IN BERLIN DRIVE APPROX 128' NORTH OF HILLSHIRE DRIVE CENTERLINE AS SHOWN. ELEV: 266.91

APPROVED FOR CONSTRUCTION

THE DOCUMENT BEARING THIS STAMP HAS BEEN RECEIVED AND REVIEWED BY THE CITY OF MEMPHIS DIVISION OF ENGINEERING UNDER AUTHORITY DELEGATED BY THE TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION DIVISION OF WATER RESOURCES. IT IS HEREBY APPROVED FOR CONSTRUCTION BY THE CITY ENGINEER AS EVIDENCE BY HIS SIGNATURE IN THE TITLE BLOCK BELOW.

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ENGINE	ER: PICKERING FIRM	, INC. AND CAN	NON & CANNON, INC.	DEPUTY CITY ENGINEER	DATE	CITY ENGINEE	R	DATE	E

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VICINITY MAP

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1 INCH = 50 FEET

SEE SHEET C-2 FOR GENERAL NOTES.

NOTE:

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#1652 LOCATED AT HILLSHIRE DRIVE AND HOMETOWN DRIVE CITY CAP LOCATED AT THE NORTHEAST CORNER GLUED TO THE THE TOP OF CURB @ ER ON HILLSIRE DRIVE SIDE. ELEV: 266.73 PROJECT BENCHMARK: TOP OF 6-72 INLET ON THE SOUTH SIDE OF HILLSHIRE DRIVE APPROX 304' EAST OF THE CENTERLINE OF WHITTEN ROAD AS SHOWN. ELEV: 264.14

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HILLSHIRE CONVEYANCE SYSTEM - PHASE 1			REVIE	EWED					
DEVELO	OPER: SARP10								
ENGINE	ER: PICKERING FIRM,	, INC. AND CAN	NON & CANNON, INC.	DEPUTY CITY ENGINEER	DATE	CITY ENGINEE	R	DAT	E

SEE SHEET C-2 FOR GENERAL NOTES.

VICINITY MAP (NTS)

1. SEE SECTION 6F.03, SIGN PLACEMENT, OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) FOR HEIGHT AND LATERAL LOCATION OF SIGNS.

2. SIGNS SHOWN ON THIS PLAN ARE TO WARN TRAFFIC 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 ACCORDING WITH THE CURRENT

CONTRACTOR SHALL BE REQUIRED TO NOTIFY THE CITY OF MEMPHIS CONSTRUCTION INSPECTION DEPARTMENT (901)636-2462 AND TRAFFIC ENGINEERING DEPARTMENT (901) 636-6710 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.

6. 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 712 TEMPORARY TRAFFIC CONTROL.

9. THE CONTRACTOR SHALL NOT BE PERMITTED TO PARK ANY VEHICLES OR CONSTRUCTION EQUIPMENT DURING PERIODS OF INACTIVITY, WITHIN THE RIGHT-OF-WAY OR WITHIN THIRTY (30) FEET OF THE EDGE OF PAVEMENT WHICHEVER 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 RIGHT-OF-WAY OR WITHIN THIRTY (30) FEET OF AN OPEN TRAFFIC LANE WHICHEVER IS LESS, AT ANY TIME UNLESS PROTECTED AS DESCRIBED ABOVE.

10. CONTRACTOR SHALL USE PLASTIC DRUMS WITH TYPE "A" WARNING LIGHTS TO SEPARATE TRAFFIC FROM THE CONSTRUCTION AREA.

11. CONTRACTOR SHALL COVER ALL EXISTING SIGNS THAT CONFLICT WITH THE TRAFFIC CONTROL PLAN SIGNS OR DEVICES DURING CONSTRUCTION AND THEY SHALL REMAIN DURING CONSTRUCTION AND UNTIL

13. ALL TEMPORARY OR PERMANENT TRAVELED SURFACE SHALL BE INSPECTED DAILY BY THE CONTRACTOR (INCLUDING WEEKENDS) AND NECESSARY PATCHING OR REFINISHING PERFORMED.

14. CENTERLINE/LANE LINES SHOULD BE PLACED, REPLACED, OR DELINEATED WHERE APPROPRIATE BEFORE THE ROADWAY IS OPENED TO TRAFFIC.

15. THE APPROPRIATE TRAFFIC CONTROL SHALL BE INSTALLED AT THE INCEPTION OF EACH STAGE OF CONSTRUCTION AND SHALL BE PROPERLY MAINTAINED AND/OR 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.

16. EXISTING STRIPING THAT CONFLICTS WITH THE THE TEMPORARY TRAFFIC CONTROL DEVICES SHALL BE COVERED OR REMOVED DURING CONSTRUCTION. WHEN CONSTRUCTION IS COMPLETE THE EXISTING

17. ALL TRAFFIC CONTROL SIGNS SHALL MEET THE MINIMUM RETROREFLECTIVITY LEVELS SPECIFIED IN THE CURRENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).

18. WORK WITHIN THE ROADWAY SHALL BE CONDUCTED BETWEEN 9:00 A.M. AND 4:00 P.M. AND THE ROADWAY SHALL BE COMPLETELY OPEN TO TRAFFIC AT ALL OTHER TIMES AND ALL INAPPROPRIATE SIGNS SHALL

19. CONTRACTOR SHALL CONTACT THE CITY OF MEMPHIS SIGNAL SHOP AT 528-2844 FOR LOCATION OF SIGNAL CONDUIT AND WIRES.

21. 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 SIDEWALK. UPON COMPLETION OF SIDEWALK AND CURB & GUTTER IMPROVEMENTS, A MINIMUM OF 5 FOOT WIDE PEDESTRIAN PATHWAY SHALL BE PROVIDED THROUGHOUT THE REMAINDER OF THE PROJECT.

22. ANY CLOSURE OF THE RIGHT OF WAY SHALL BE LIMITED TO THE ACTIVE DEMOLITION OR CONSTRUCTION. CONTINUOUS UNWARRANTED CLOSURE OF RIGHT OF WAY SHALL NOT BE ALLOWED FOR THE DURATION OF THE PROJECT. THE DEVELOPER SHALL PROVIDE ON THE TRAFFIC CONTROL PLAN, THE TIME NEEDED PER PHASE TO COMPLETE THAT PORTION OF WORK. TIME LIMITS WILL BEGIN ON THE DAY OF CLOSURE

23. THE CONTRACTOR SHALL CONTACT THE CITY OF MEMPHIS ENGINEERING DEPARTMENT AT (901) 636-6710 AT LEAST ONE WEEK PRIOR TO IMPLEMENTING THE TRAFFIC CONTROL PLAN TO DETERMINE FEES

24. THE CONTRACTOR SHALL NOTIFY MEMPHIS AREA TRANSIT AUTHORITY (MATA) AT (901) 722-7100 A MINIMUM OF 48 HOURS PRIOR TO IMPLEMENTING TRAFFIC CONTROL PLAN.

ESTIMATED DURATION: 2 WEEKS

 D = 30 MPH (ASSUMED)		
REVISION CRIPTION OF APPROVAL CHANGE DATE W. M.	SEWER BASIN: WN-10	
AGRICULTURE	DIVISION OF ENGINEERING TRAFFIC CONTROL PLAN - BELIN DRIVE	
OF TENNE 02123 05 00 02123 05 00 000 000 000 000 000 000 000 000	6871 HILLSHIRE DRIVE MEMPHIS, TENNESSEE SURVEY: PFI DATE: DEC, 2020 PROJECT NO.:	24699.06
RE CONVEYANCE SYSTEM - PHASE 1	DESIGN BY: PFI/C&C/G,W & ASSOC. DATE: JUNE, 2024 BOOK: DRAWN BY: PFI/C&C/G,W & ASSOC. DATE: DEC, 2024 SCALE: REVIEWED	1689 1"=100'

ENGINEER: PICKERING FIRM, INC. AND CANNON & CANNON, INC.

CITY TRAFFIC ENGINEER

DATE CITY ENGINEER

DATE

DEVELOPER: SARP10

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NORTH 0 30 60 120 1 INCH = 60 FEET NOTE:

SEE SHEET C-2 FOR GENERAL NOTES.

TRAFFIC CONTROL NOTES:

- 1. SEE SECTION 6F.03, SIGN PLACEMENT, OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) FOR HEIGHT AND LATERAL LOCATION OF SIGNS.
- 2. SIGNS SHOWN ON THIS PLAN ARE TO WARN TRAFFIC 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 ACCORDING 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 (901)636-2462 AND TRAFFIC ENGINEERING DEPARTMENT (901) 636-6710 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. SIZES 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 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 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 RIGHT-OF-WAY OR WITHIN THIRTY (30) FEET OF THE EDGE OF PAVEMENT WHICHEVER 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 RIGHT-OF-WAY OR WITHIN THIRTY (30) FEET OF AN OPEN TRAFFIC LANE WHICHEVER IS LESS, AT ANY TIME UNLESS PROTECTED AS DESCRIBED ABOVE.
- 10. CONTRACTOR SHALL USE PLASTIC DRUMS WITH TYPE "A" WARNING LIGHTS TO SEPARATE TRAFFIC FROM THE CONSTRUCTION AREA.
- 11. CONTRACTOR SHALL COVER ALL EXISTING SIGNS THAT CONFLICT WITH THE TRAFFIC CONTROL PLAN SIGNS OR DEVICES DURING CONSTRUCTION AND THEY SHALL REMAIN DURING CONSTRUCTION AND UNTIL SUCH TIME THAT NO CONFLICT EXISTS.
- 12. TWO-WAY TRAFFIC SHALL BE MAINTAINED ON ALL ROADS AT ALL TIMES.
- 13. ALL TEMPORARY OR PERMANENT TRAVELED SURFACE SHALL BE INSPECTED DAILY BY THE CONTRACTOR (INCLUDING WEEKENDS) AND NECESSARY PATCHING OR REFINISHING PERFORMED.
- CENTERLINE/LANE LINES SHOULD BE PLACED, REPLACED, OR DELINEATED WHERE APPROPRIATE BEFORE THE ROADWAY IS OPENED TO TRAFFIC.
- 15. THE APPROPRIATE TRAFFIC CONTROL SHALL BE INSTALLED AT THE INCEPTION OF EACH STAGE OF CONSTRUCTION AND SHALL BE PROPERLY MAINTAINED AND/OR 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.
- 16. EXISTING STRIPING THAT CONFLICTS WITH THE 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.
- 17. ALL TRAFFIC CONTROL SIGNS SHALL MEET THE MINIMUM RETROREFLECTIVITY LEVELS SPECIFIED IN THE CURRENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
- 18. WORK WITHIN THE ROADWAY SHALL BE CONDUCTED BETWEEN 9:00 A.M. AND 4:00 P.M. AND THE ROADWAY SHALL BE COMPLETELY OPEN TO TRAFFIC AT ALL OTHER TIMES AND ALL INAPPROPRIATE SIGNS SHALL BE COVERED OR REMOVED.
- 19. CONTRACTOR SHALL CONTACT THE CITY OF MEMPHIS SIGNAL SHOP AT 528-2844 FOR LOCATION OF SIGNAL CONDUIT AND WIRES.
- 20. CONTRACTOR SHALL INSTALL TEMPORARY NO PARKING SIGNS AS REQUIRED WITHIN THE TRAFFIC CONTROL AREA.
- 21. 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 SIDEWALK. UPON COMPLETION OF SIDEWALK AND CURB & GUTTER IMPROVEMENTS, A MINIMUM OF 5 FOOT WIDE PEDESTRIAN PATHWAY SHALL BE PROVIDED THROUGHOUT THE REMAINDER OF THE PROJECT.
- 22. ANY CLOSURE OF THE RIGHT OF WAY SHALL BE LIMITED TO THE ACTIVE DEMOLITION OR CONSTRUCTION. CONTINUOUS UNWARRANTED CLOSURE OF RIGHT OF WAY SHALL NOT BE ALLOWED FOR THE DURATION OF THE PROJECT. THE DEVELOPER SHALL PROVIDE ON THE TRAFFIC CONTROL PLAN, THE TIME NEEDED PER PHASE TO COMPLETE THAT PORTION OF WORK. TIME LIMITS WILL BEGIN ON THE DAY OF CLOSURE AND WILL BE MONITORED BY THE ENGINEERING CONSTRUCTION INSPECTORS (636-2462) ON THE JOB.
- 23. THE CONTRACTOR SHALL CONTACT THE CITY OF MEMPHIS ENGINEERING DEPARTMENT AT (901) 636-6710 AT LEAST ONE WEEK PRIOR TO IMPLEMENTING THE TRAFFIC CONTROL PLAN TO DETERMINE FEES ASSOCIATED WITH AND ENGINEERING PERMITS REQUIRED (I.E. DUMPSTER PERMITS, PARKING METER PERMITS, ETC)
- 24. THE CONTRACTOR SHALL NOTIFY MEMPHIS AREA TRANSIT AUTHORITY (MATA) AT (901) 722-7100 A MINIMUM OF 48 HOURS PRIOR TO IMPLEMENTING TRAFFIC CONTROL PLAN.

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AGRICULTURE	DIVISION OF ENGINEERING TRAFFIC CONTROL PLAN - HILLSHIRE DRIVE	
The open states and the op	6871 HILLSHIRE DRIVE	
	MEMPHIS, TENNESSEE	
02/\4/2015	SURVEY:PFIDATE:DEC, 2020PROJECT NO.:24699.0DESIGN BY:PFI/C&C/G,W & ASSOCDATE:JUNE, 2024BOOK:168DRAWN BY:PEI/C&C/G W & ASSOCDATE:DEC2024SCALE:1"=6	6 ;9 0'
RE CONVEYANCE SYSTEM - PHASE 1	REVIEWED	5
SARP10 ICKERING FIRM, INC. AND CANNON & CANNON, INC.	CITY TRAFFIC ENGINEER DATE CITY ENGINEER DATE	

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DEVELOPER: SARP10

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