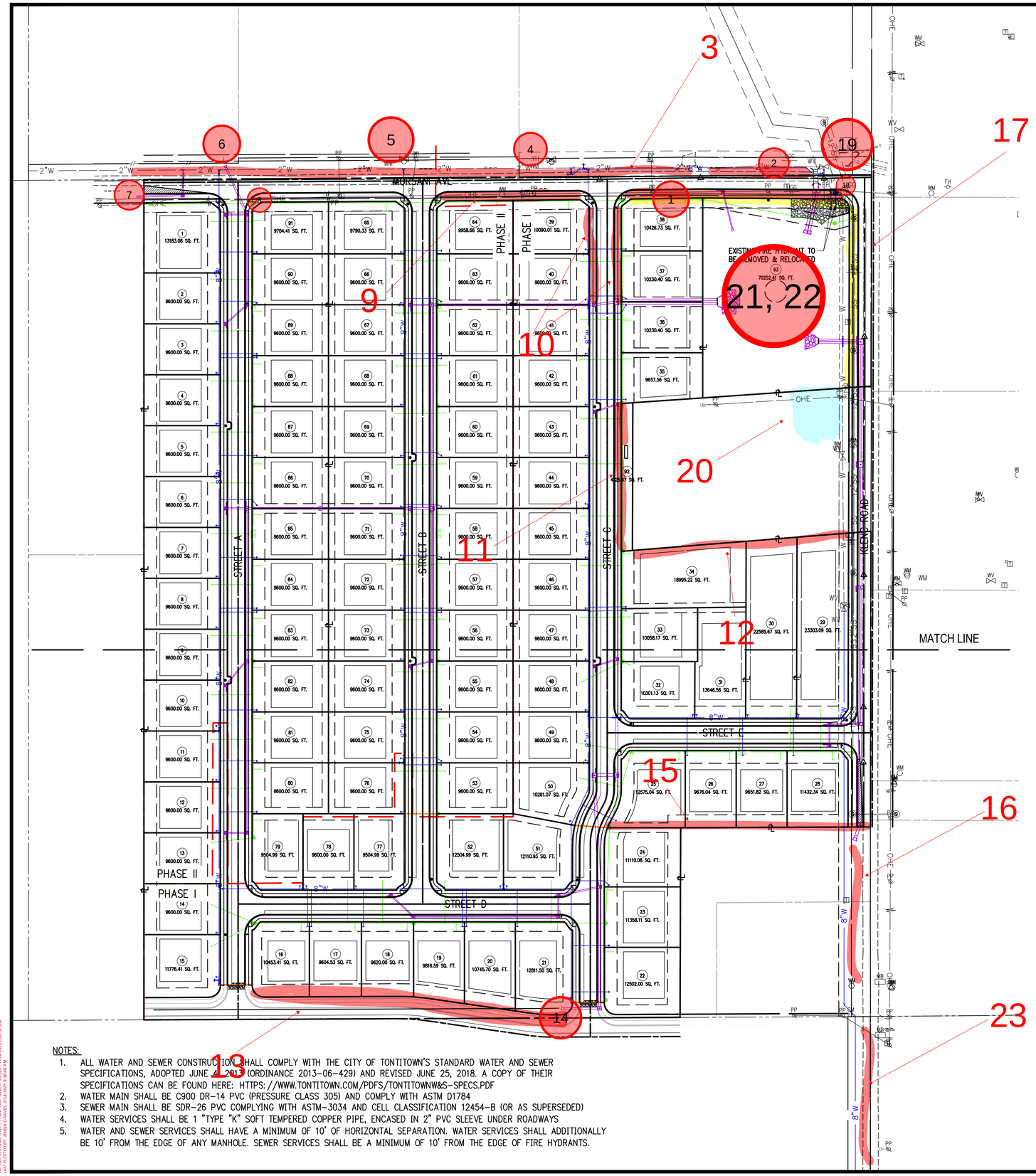

NOTES:

1. ALL WATER AND SEWER CONSTRUCTION SHALL COMPLY WITH THE CITY OF TONTITOWN'S STANDARD WATER AND SEWER SPECIFICATIONS, ADOPTED JUNE 4, 2013 (ORDINANCE 2013-06-429) AND REVISED JUNE 25, 2018. A COPY OF THEIR SPECIFICATIONS CAN BE FOUND HERE: HTTPS://WWW.TONTITOWN.COM/PDFS/TONTITOWNW&S-SPECS.PDF
2. WATER MAIN SHALL BE C900 DR-14 PVC (PRESSURE CLASS 305) AND COMPLY WITH ASTM D1784
3. SEWER MAIN SHALL BE SDR-26 PVC COMPLYING WITH ASTM-3034 AND CELL CLASSIFICATION 12454-B (OR AS SUPERSEDED)
4. WATER SERVICES SHALL BE 1 "TYPE "K" SOFT TEMPERED COPPER PIPE, ENCASED IN 2" PVC SLEEVE UNDER ROADWAYS
5. WATER AND SEWER SERVICES SHALL HAVE A MINIMUM OF 10' OF HORIZONTAL SEPARATION. WATER SERVICES SHALL ADDITIONALLY BE 10' FROM THE EDGE OF ANY MANHOLE. SEWER SERVICES SHALL BE A MINIMUM OF 10' FROM THE EDGE OF FIRE HYDRANTS.

LEGEND (EXISTING SYMBOLS)

LINEWORK

- EASEMENT
- CURB
- INTERMEDIATE CONTOUR (1206)
- INDEX CONTOUR (1205)
- SANITARY SEWER LINE (SPECIFY SIZE & TYPE) (SS)
- GAS LINE (G)
- WATER LINE (SPECIFY SIZE & TYPE) (W)
- UNDERGROUND TELEPHONE (UGT)
- UNDERGROUND ELECTRIC (UGE)
- OVERHEAD ELECTRIC (OHE)
- UNDERGROUND TELEVISION (UGTV)
- OVERHEAD TELEVISION (OHTV)
- CHAIN LINK FENCE
- WOOD FENCE
- BARBED WIRE FENCE
- FIBER OPTIC (FO)
- RIGHT OF WAY
- ROAD CENTERLINE

SYMBOLS

- BENCHMARK
- FOUND IRON PIPE/REBAR
- PRIMARY CONTROL/SET MONUMENT
- FOUND MONUMENT/ROW
- AIR CONDITIONER (AC)
- AIR RELEASE VALVE (ARV)
- ELECTRIC BOX/PEDESTAL
- ELECTRIC JUNCTION BOX (EB)
- ELECTRIC METER (E)
- ELECTRIC TRANSFORMER (ET)
- FIRE DEPARTMENT CONNECTION (FDC)
- FIRE HYDRANT (FH)
- GAS METER (GM)
- GAS VALVE (GV)
- GUARD POST
- LIGHT POLE (LP)
- POWER POLE (PP)
- SANITARY MANHOLE
- SANITARY SEWER CLEANOUT (CO)
- SIGN
- SPRINKLER HEAD
- TELEPHONE PEDESTAL (T)
- TV PEDESTAL
- WATER FAUCET
- WATER METER (WM)
- WATER VALVE (WV)
- DOWN GUY
- STORM SEWER MANHOLE
- STORM SEWER PIPE
- DROP/CURB INLET
- GRATED INLET

LEGEND (CONSTRUCT)

LINEWORK

- EASEMENT
- CURB
- INTERMEDIATE CONTOUR (1206)
- INDEX CONTOUR (1205)
- SANITARY SEWER LINE (SS)
- GAS LINE (G)
- WATER LINE (W)
- UNDERGROUND TELEPHONE (UGT)
- UNDERGROUND ELECTRIC (UGE)
- OVERHEAD ELECTRIC (OHE)
- FIBER OPTIC (FO)
- UNDERGROUND TELEVISION (UGTV)
- CHAIN LINK FENCE
- WOOD FENCE
- BARBED WIRE FENCE
- BUILDING SET BACK
- RIGHT OF WAY
- PROPERTY LINE
- ROAD CENTERLINE

SYMBOLS

- SET IRON PIN
- LIGHT POLE
- POWER POLE
- TELEPHONE PEDESTAL
- TV PEDESTAL
- MANHOLE
- SANITARY SEWER CLEANOUT
- GAS METER
- GAS VALVE
- STORM SEWER PIPE
- STRUCTURE NUMBER (X-X)
- WATER VALVE
- FIRE HYDRANT ASSEMBLY
- AIR RELEASE VALVE
- FIRE DEPARTMENT CONNECTION
- WATER METER
- BACK FLOW PREVENTER
- REDUCER
- RECTANGULAR DROP INLET, GRATED INLET OR JUNCTION BOX (SPECIFY ON PLAN SHEET)
- CIRCULAR DROP INLET, GRATED INLET OR JUNCTION BOX (SPECIFY ON PLAN SHEET)

UTILITY NOTES

1. THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED UPON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CONTACT THE APPROPRIATE UTILITY COMPANIES AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF EXISTING UTILITIES WITHIN THE WORK ZONE.
2. CONTRACTOR SHALL NOTIFY THE UTILITY AUTHORITIES' INSPECTORS 72 HOURS BEFORE CONNECTING TO ANY EXISTING FACILITIES. CONTRACTOR SHALL COORDINATE AND SCHEDULE TIE-INS/CONNECTIONS WITH ALL UTILITY COMPANIES.
3. ALL UNDERGROUND LINES SHALL BE INSTALLED, INSPECTED, AND APPROVED PRIOR TO BACKFILLING.
4. ALL NECESSARY INSPECTIONS AND/OR CERTIFICATIONS REQUIRED BY CODES AND/OR UTILITY COMPANIES SHALL BE PERFORMED PRIOR TO ANNOUNCED BUILDING POSSESSION AND THE FINAL CONNECTION OF SERVICE.
5. GENERAL CONTRACTOR IS TO COORDINATE WITH APPROPRIATE UTILITY COMPANIES PRIOR TO CONSTRUCTION, ADJUSTMENT, OR RELOCATION OF EXISTING UTILITIES.
6. THRUST BLOCKING SHALL BE PROVIDED AT ALL BENDS, TEES, AND FIRE HYDRANTS.
7. DIMENSIONS SHOWN ARE TO CENTERLINE OF PIPE OR FITTING.
8. MINIMUM HORIZONTAL SEPARATION BETWEEN THE OUTSIDE WALL OF THE WATERLINE AND THE OUTSIDE WALL OF THE SANITARY SEWER LINE OR SANITARY SEWER MANHOLE SHALL BE AT LEAST TEN FEET. WHERE WATERLINES CROSS SANITARY SEWERS THE WATERLINE SHALL BE PLACED ABOVE THE SEWER WITH A MINIMUM VERTICAL SEPARATION, OUTSIDE-TO-OUTSIDE, OF 18". IF IT IS NOT POSSIBLE TO CONFORM TO THESE DIMENSIONS OR DEFINED PLACEMENT, THE WATERLINE SHALL BE ENCASED IN WATERTIGHT PIPE WITH SEALED WATERTIGHT ENDS EXTENDING AT LEAST TEN FEET EITHER SIDE OF THE CROSSING.
9. THE CONTRACTOR SHALL INCLUDE IN THE BID PRICE ALL MATERIAL AND LABOR ASSOCIATED WITH THE TESTING OF THE WATER AND SEWER LINES REQUIRED BY THE LOCAL AND/OR STATE AGENCIES.
10. TOPS OF EXISTING MANHOLES SHALL BE RAISED AS NECESSARY TO BE FLUSH WITH FINISHED PAVEMENT ELEVATIONS, AND MANHOLES IN UNPAVED AREAS TO BE 1" ABOVE FINISHED GROUND ELEVATIONS WITH WATER TIGHT LIDS.
11. ALL TRENCHING, PIPE LAYING, AND BACKFILLING SHALL BE IN ACCORDANCE WITH FEDERAL REGULATIONS.
12. REFER TO BUILDING PLANS FOR SITE LIGHTING AND ELECTRICAL PLAN.
13. ALL MATERIALS, CONSTRUCTION, AND INSPECTION FOR WATER AND SANITARY SEWER LINES SHALL BE PER THE SPECIFICATIONS OF THE APPROPRIATE AGENCY.
14. THE CONTRACTOR SHALL COORDINATE WITH THE FIRE DEPARTMENT AND THE WATER COMPANY TO PLAN THE IMPROVEMENTS TO THE WATER MAINS AND TO ENSURE ADEQUATE FIRE PROTECTION IS CONSTANTLY AVAILABLE TO THE SITE THROUGHOUT THE PROJECT. CONTRACTOR WILL BE RESPONSIBLE FOR ARRANGING ANY REQUIRED WATER MAIN SHUT-OFFS WITH THE WATER COMPANY DURING CONSTRUCTION. ALL COSTS ASSOCIATED WITH WATERMAIN SHUT-OFFS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR; NO ADDITIONAL COMPENSATION WILL BE PROVIDED.
15. DAMAGE TO ALL EXISTING FACILITIES DESIGNATED TO REMAIN WILL BE REPLACED AT CONTRACTOR'S EXPENSE.
16. CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATIONS AND DIMENSIONS OF VESTIBULES, SLOPE PAVING, SIDEWALKS, EXIT PORCHES, TRUCK DOCKS, PRECISE BUILDING DIMENSIONS, AND EXACT UTILITY ENTRANCE LOCATIONS.
17. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TAP AND TIE ON FEES REQUIRED AS WELL AS COSTS OF UNDERGROUND SERVICE CONNECTIONS TO THE BUILDING.
18. GENERAL CONTRACTOR SHALL PROVIDE ALL CONDUITS AS SHOWN ON THE PLANS, VERIFY LOCATION OF UTILITY TIE-INS, AND PROVIDE NYLON PULL CORDS INSIDE THE CONDUIT.
19. THE CONTRACTOR SHALL INCLUDE IN BID PRICE THE DAILY RECORD KEEPING OF THE RECORD CONDITION OF ALL OF THE UNDERGROUND UTILITIES, CONSTRUCTION STAKE-OUT, PREPARATION OF THE NECESSARY/REQUIRED WATER AND SEWER RECORD DRAWINGS TO BE SUBMITTED, AND ALL OTHER INFORMATION REQUIRED FOR OBTAINING PERMITS AND RELEASE OF BONDS.
20. <u>ENERGIZED ELECTRICAL LINE SAFETY, WARNINGS, AND ADVANCED NOTICES</u>: ALL OWNERS, GENERAL CONTRACTORS, AND SUBCONTRACTORS ASSOCIATED WITH THIS PROJECT SHALL BE RESPONSIBLE FOR FAMILIARIZING THEMSELVES WITH, COMPLYING WITH, AND THE ENFORCEMENT OF ARKANSAS CODES AR ST § 11-5-307 AND § AR ST 11-5-308 AND ANY OTHER CURRENT STATE CODES PERTAINING TO ADVANCE NOTICE REQUIREMENTS AND FOR SAFETY OF ALL PERSONNEL, INCLUDING THE GENERAL PUBLIC, PERTAINING TO ANY WORK, MOVEMENT, AND ACTIVITY IN CLOSE PROXIMITY TO ANY ENERGIZED ELECTRICAL LINE.

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CERTIFICATE OF AUTHORIZATION:
CERTIFICATE OF AUTHORIZATION — CRAFTON, TULL & ASSOCIATES, INC. No. 109 — ARKANSAS ENGINEER

GRAPHIC SCALE IN FEET
80' 0 80'

RENLEY RAE
TONTITOWN, AR

Key Plan

No.	Description	Date

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PROJECT NO: 24302500
ISSUE DATE: 11/11/24
CONTACT: B. MURRAY
QC by:
QC Date:

ISSUED FOR REVIEW

STATE OF ARKANSAS — LICENSED PROFESSIONAL ENGINEER — No. 17176 — BLAKE A. MURRAY — 3/7/25

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OVERALL UTILITY PLAN

C-104

DRAWING: G:\24302500_RENLEY RAE\1-INFRASTRUCTURE\CIVIL\DWGS\1-OVERALL UTILITY PLAN.DWG
LAYOUT: C-104 OVERALL UTILITY PLAN PLOTTED BY: BRIAN GRAVES 2/14/2025 9:26:41 AM