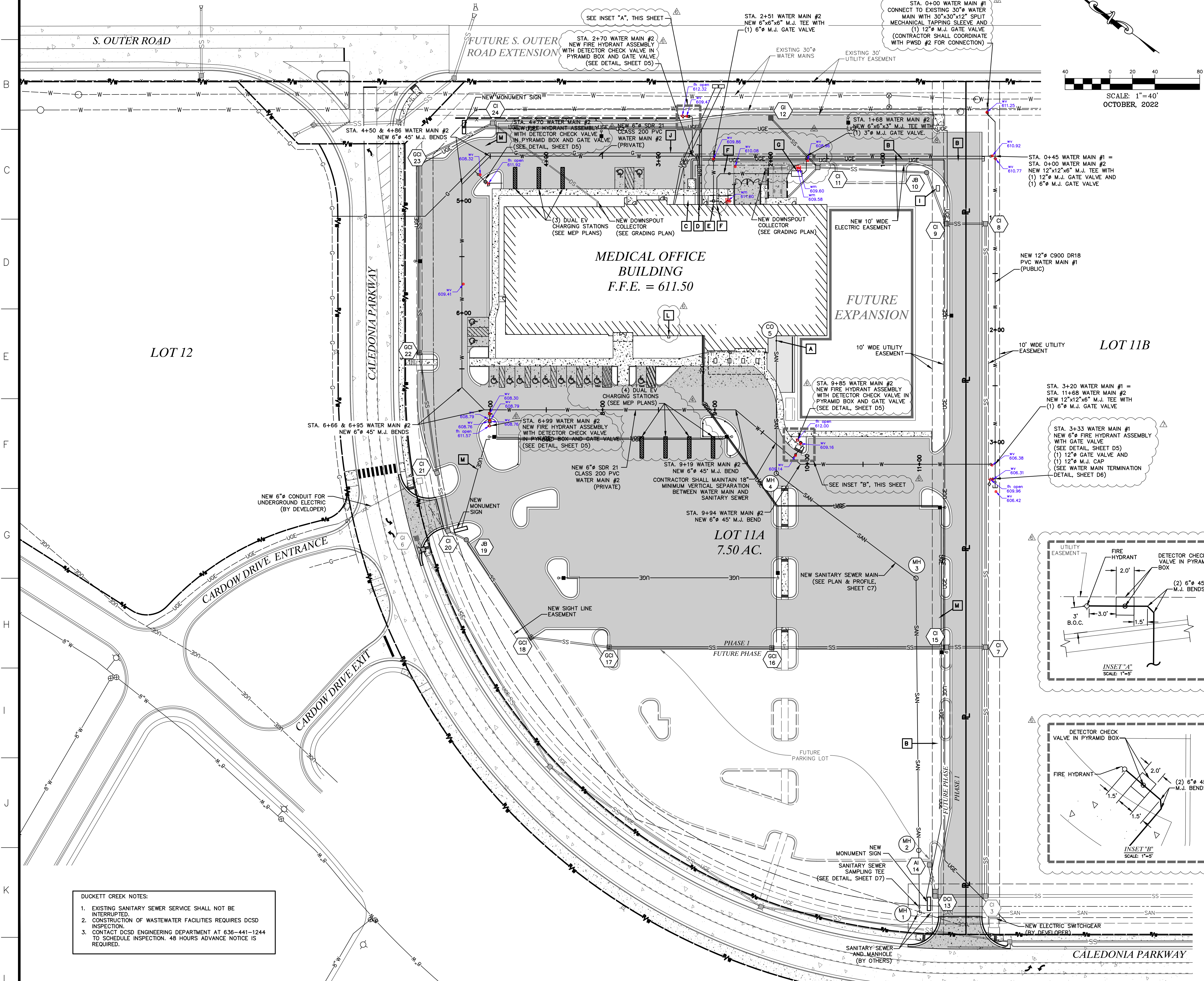






# UTILITY PLAN (AS-BUILT)



| LEGEND   |          |
|----------|----------|
| EXISTING | PROPOSED |
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|          |          |
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|          |          |

## UTILITY LEGEND

- A TRANSITION FROM 6" SANITARY SEWER LATERAL TO 8" SANITARY SEWER MAIN 5' FROM BUILDING INV. ELEV. = 605.50 COORDINATE WITH MEP PLANS.
- B NEW 4" UNDERGROUND ELECTRIC CONDUIT. CONTRACTOR SHALL INSTALL CONDUIT WITH PULL TAPE. CUIVRE RIVER WILL PROVIDE AND PULL WIRE.
- C NEW CONCRETE TRANSFORMER PAD. CUIVRE RIVER WILL PROVIDE AND INSTALL TRANSFORMER. CONTRACTOR SHALL COORDINATE WITH CUIVRE RIVER.
- D NEW UNDERGROUND TELEPHONE. CONTRACTOR SHALL COORDINATE WITH SERVICE PROVIDER, MEP PLANS, AND SSM NEW CONSTRUCTION REQUIREMENTS REGARDING INSTALLATION, VAULTS, AND CONNECTION POINT.
- E NEW 6" C900 DR18 PVC OR DUCTILE IRON PRIVATE FIRE LINE WITH DETECTOR CHECK PER PWS DETAIL "H" ON SHEET D6. COORDINATE WITH MEP PLANS AND PWS #2.
- F NEW 3" C900 DR 18 PVC PRIVATE DOMESTIC SERVICE LINE. COORDINATE WITH MEP PLANS AND ST. CHARLES COUNTY PWS #2.
- G NEW 3" WATER METER PER PWS DETAIL "G" ON SHEET D6. COORDINATE WITH MEP PLANS AND PWS #2.
- H NOT USED
- I NEW 3'x5' PULL BOX PER CUIVRE RIVER REQUIREMENTS.
- J NEW GAS SERVICE. COORDINATE WITH SPIRE AND MEP PLANS FOR EXACT LOCATION.
- K
- L NEW FIRE DEPARTMENT CONNECTION. REF. MEP PLANS FOR EXACT LOCATION.
- M APPROXIMATE LOCATION OF UNDERGROUND ELECTRIC TO MONUMENT SIGNS. REF. MEP PLANS FOR EXACT LOCATION AND SIZE.

CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATION AND DIMENSIONS OF BUILDING, PORCHES, PATIOS, SLOPED PAVING, RAMPS, CONCRETE JOINT SPACING, MECHANICAL SCREENING, PRECISE BUILDING DIMENSIONS, AND EXACT UTILITY ENTRANCE LOCATIONS.

- PWS #2 NOTES:
- WATER DISTRICT REQUIRES A MINIMUM OF 42" AND A MAXIMUM OF 72" OF COVER OVER ITS WATER MAINS.
  - ALL STREET CROSSINGS SHALL HAVE FULL DEPTH COMPACTED GRANULAR BACKFILL.
  - ALL VERTICAL BENDS TO INCLUDE RETAINER GLANDS.
  - ALL METER PITS MUST BE INSTALLED IN GREEN SPACE PER PWS 2 SPECIFICATIONS.
  - ALL OFF-SITE WATER SYSTEM WORK MUST BE RESTORED WITH SOD UNLESS OTHER CONSIDERATION IS REQUESTED BY THE OFF-SITE PROPERTY OWNER.
  - IT WILL BE CONTRACTOR'S RESPONSIBILITY TO OBTAIN ALL NECESSARY PERMITS. COPIES OF ALL REQUIRED PERMITS SHALL BE PROVIDED TO THE WATER DISTRICT PRIOR TO CONSTRUCTION.
  - WATER EXTENSION AGREEMENTS WILL BE REQUIRED FOR EACH PHASE BEFORE CONSTRUCTION CAN BEGIN.
  - WATER DISTRICT REQUIRES AT LEAST 18" OF HORIZONTAL SEPARATION BETWEEN CROSSINGS.
  - WATER DISTRICT REQUIRES ONE (1) WEEK NOTICE BEFORE THE START OF CONSTRUCTION.
  - ALL WATER MAINS, VALVES, FITTINGS, HYDRANTS, AND RELATED ITEMS ARE TO BE INSTALLED IN ACCORDANCE WITH THE CURRENT PWS#2 OF ST. CHARLES COUNTY GUIDELINES AND SPECIFICATION AS APPROVED BY MOON REVIEW NO. 6050805-13.
  - ALL PROPOSED CONNECTIONS TO AN EXISTING PUBLIC WATER MAIN SHALL BE MADE PER THE WATER DISTRICT'S SPECIFICATIONS.
  - ALL PUBLIC FIRE HYDRANTS SHALL BE PAINTED CHROME YELLOW PER THE WATER DISTRICTS SPECIFICATIONS.
  - ALL WATER SERVICE LINES, FIRE LINES, AND PRIVATE WATER MAINS MUST BE INSTALLED PER PWS #2'S SPECIFICATIONS.
  - PRIVATE FIRE HYDRANTS ARE TO BE PAINTED RED PER PWS #2 SPECIFICATIONS.
  - FIRE HYDRANTS WILL BE PRIVATE AND BE REQUIRED TO HAVE DETECTOR CHECKS INSTALLED IN PYRAMID BOXES AND INSTALLED WITHIN GREENSPACE.
  - PUBLIC WATER MAIN EXTENSION WILL BE REQUIRED TO BE INSTALLED, TESTED, AND THEN DEDICATED TO THE WATER DISTRICT BEFORE THE PRIVATE WATER MAIN CAN CONNECT.

DUCKETT CREEK NOTES:

- EXISTING SANITARY SEWER SERVICE SHALL NOT BE INTERRUPTED.
- CONSTRUCTION OF WASTEWATER FACILITIES REQUIRES DCSD INSPECTION.
- CONTACT DCSD ENGINEERING DEPARTMENT AT 636-441-1244 TO SCHEDULE INSPECTION. 48 HOURS ADVANCE NOTICE IS REQUIRED.



636-584-0540 (tel.)  
636-584-0512 (fax)  
mail@ochran.com

530A E. Independence Dr.  
Union, Missouri 63084

Missouri State Certificate of Authority Numbers:  
Survey : 000380  
Engineering : 001655  
Architecture : 2002014240

Three working days prior to the start of any excavation, call 1-800-UG-RITE for utility location information.

All OSHA rules & regulations shall be followed by these construction workers. Plans and specifications shall be strictly followed (ie. trenching, blasting, etc.).

**UCHRAN**  
Civil Engineering  
Land Surveying  
Architecture  
Site Development  
General Consulting  
Master Planning

STATE OF MISSOURI  
9/19/2023  
RYAN D. GATES  
NUMBER  
PE2009018722  
Professional Engineer

**SITE IMPROVEMENTS**  
**SSM HEALTH**  
**O'FALLON, MISSOURI**

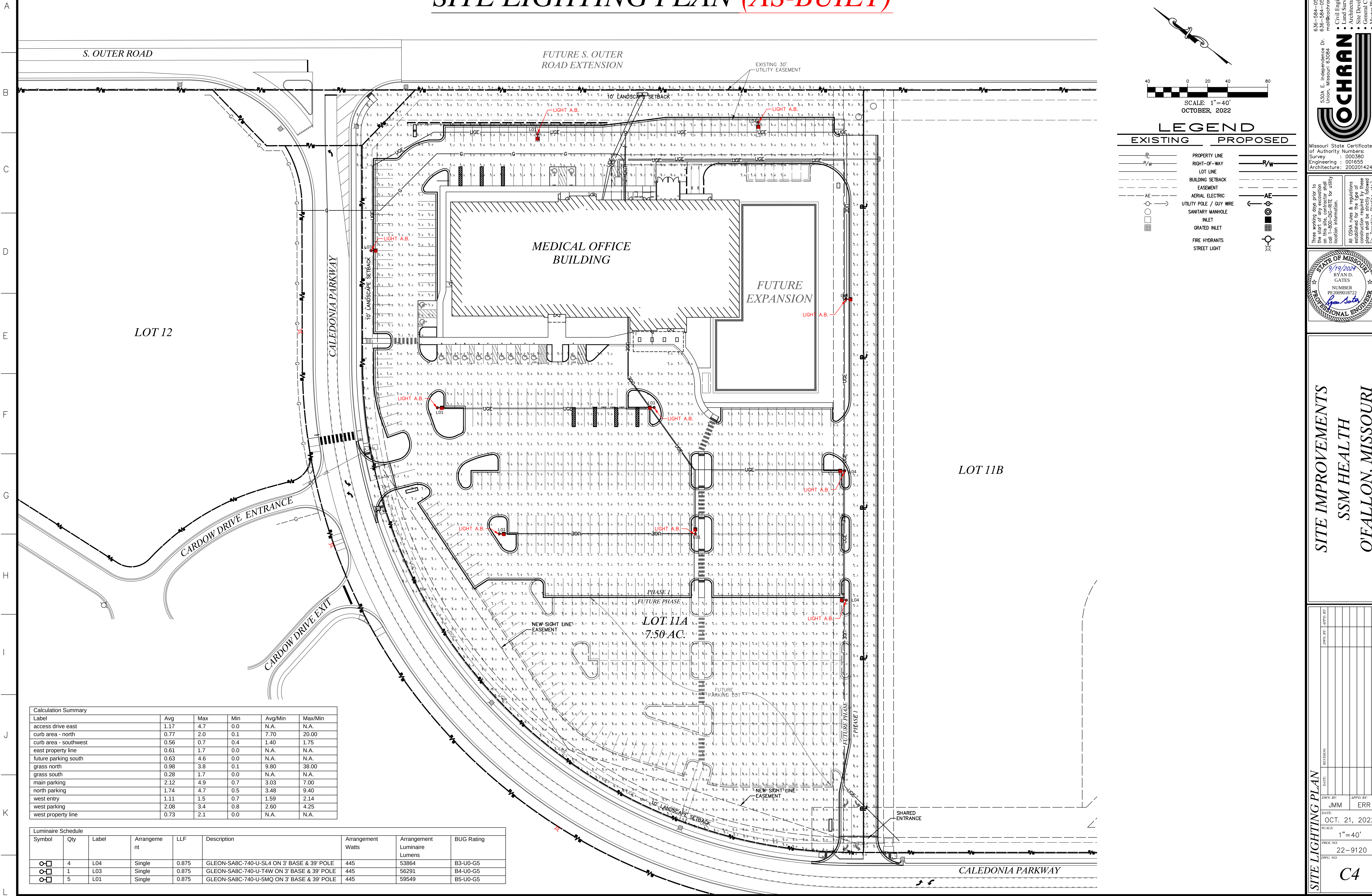
**UTILITY PLAN**

| DATE     | BY  | REVISION | DATE     | BY  | REVISION |
|----------|-----|----------|----------|-----|----------|
| 11-08-22 | JMM | 1        | 11-08-22 | JMM | 1        |
| 12-14-22 | JMM | 2        | 12-14-22 | JMM | 2        |
| 02-10-23 | TML | 3        | 02-10-23 | TML | 3        |
| 03-17-23 | JMM | 4        | 03-17-23 | JMM | 4        |
| 03-30-23 | JMM | 5        | 03-30-23 | JMM | 5        |
| 04-07-23 | JMM | 6        | 04-07-23 | JMM | 6        |
| 04-19-23 | JMM | 7        | 04-19-23 | JMM | 7        |

DATE: OCT. 21, 2022  
SCALE: 1"=40'  
PROJECT NO.: 22-9120  
DRAWING NO.: C3



# SITE LIGHTING PLAN (AS-BUILT)



636-584-0540 (tel.)  
636-584-0512 (fax)  
mail@ochran.com

**UCHRAN**

• Civil Engineering  
• Land Surveying  
• Architecture  
• Site Development  
• General Consulting  
• Master Planning

530A E. Independence Dr.  
Union, Missouri 63084

Missouri State Certificate of Authority Numbers:  
Survey : 000380  
Engineering : 001655  
Architecture : 2002014240

Three working days prior to the start of any excavation or construction, the contractor shall call 1-800-UGC-RITE for utility location information.

All OSHA rules & regulations shall be strictly followed during construction. Plans and specifications shall be strictly followed (ie. trenching, blasting, etc.).

STATE OF MISSOURI  
9/19/2024  
RYAN D. GATES  
NUMBER PE2009018722  
Professional Engineer

**SITE IMPROVEMENTS**  
**SSM HEALTH**  
**O'FALLON, MISSOURI**

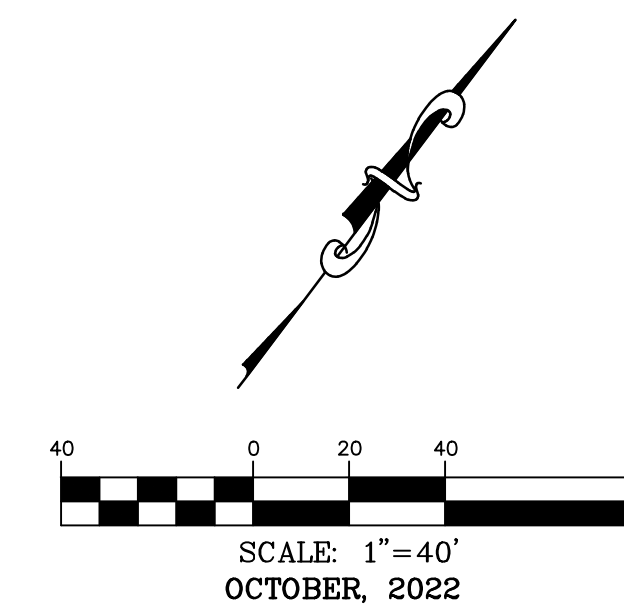
**SITE LIGHTING PLAN**

DWG. BY: JMM  
DATE: OCT. 21, 2022  
SCALE: 1"=40'  
PROJ. NO: 22-9120  
DWG. NO: C4

APPD. BY: ERR

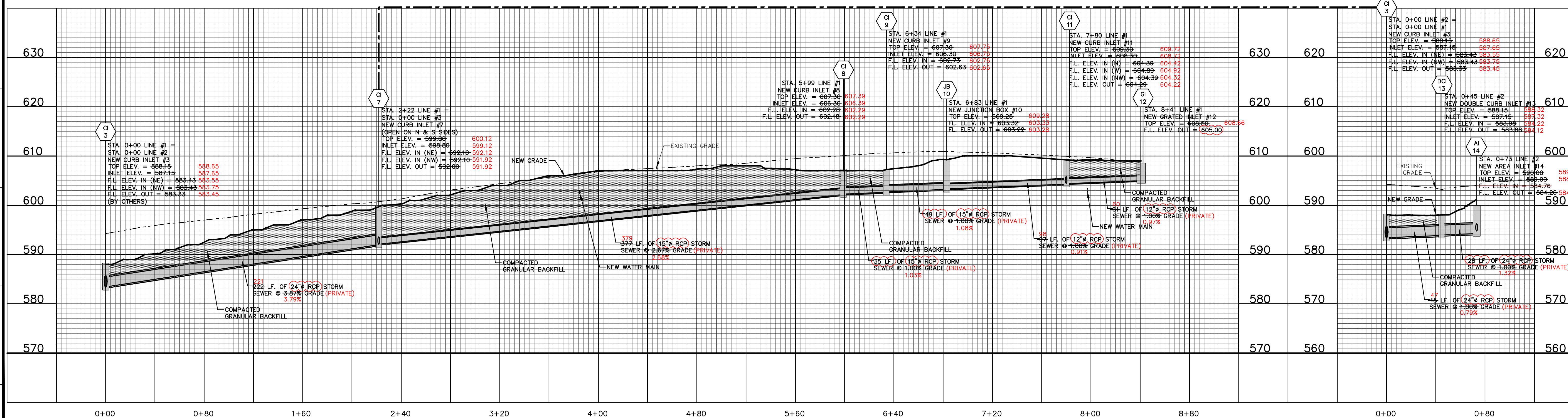


*STORM SEWER LINES #1 & #2 (AS-BUILT)*



| EXISTING |                         | PROPOSED                |      |
|----------|-------------------------|-------------------------|------|
| 500-     |                         | INDEX CONTOUR           | 500- |
|          |                         | INTERMEDIATE CONTOUR    | 498- |
|          | R/W                     | PROPERTY LINE           |      |
|          |                         | RIGHT-OF-WAY            | R/W  |
|          |                         | LOT LINE                |      |
|          |                         | EASEMENT                |      |
| AE       |                         | AERIAL ELECTRIC         | AE   |
|          | UTILITY POLE / GUY WIRE |                         |      |
| UGE      |                         | UNDERGROUND ELECTRIC    | UGE  |
| CATV     |                         | UNDERGROUND CABLE TV    | CATV |
| UGT      |                         | UNDERGROUND TELEPHONE   | UGT  |
| FO       |                         | UNDERGROUND FIBER OPTIC | FO   |
| SAN      |                         | SANITARY SEWER          | SAN  |
|          | SANITARY MANHOLE        |                         |      |
| FM       |                         | SANITARY FORCE MAIN     | FM   |
| SS       |                         | STORM SEWER             | SS   |
|          |                         | INLET                   |      |
|          | GRATED INLET            |                         |      |
|          |                         | FLARED END SECTIONS     |      |
| G        |                         | GAS LINE                | G    |
|          | GAS VALVE               |                         |      |
|          | GAS METER               |                         |      |
| X" W     |                         | WATER LINE (SIZE)       | X" W |
|          | FIRE HYDRANTS           |                         |      |
|          | WATER VALVE             |                         |      |
|          | WATER METER             |                         |      |
|          |                         | GUARDRAIL               |      |
|          | TREE                    |                         |      |
|          | FENCE                   |                         |      |
|          | LIGHT                   |                         |      |
|          | CONCRETE PAVEMENT       |                         |      |

\* AS-BUILT ELEVATION NOT WITHIN 0.5 FEET OF DESIGN ELEVATION.



930-584-0540 (tel.)  
 930-584-0515 (fax)  
 636-238-0515  
 email: [info@ochran.com](mailto:info@ochran.com)

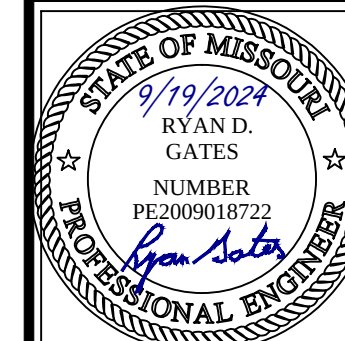
5304 E. Independence Dr.  
 St. Louis, Missouri 63084

**UCHRAN**

• Civil Engineering  
 • Land Surveying  
 • Architecture  
 • Site Development  
 • General Consulting  
 • Real Estate

Missouri State Certificate  
 of Authority Numbers:  
 Survey : 000350  
 Engineering : 001655  
 Architecture: 200201424

Three working days prior to the start of any excavation on this site, contractor shall call 1-800-DIG-RITE for utility location information.



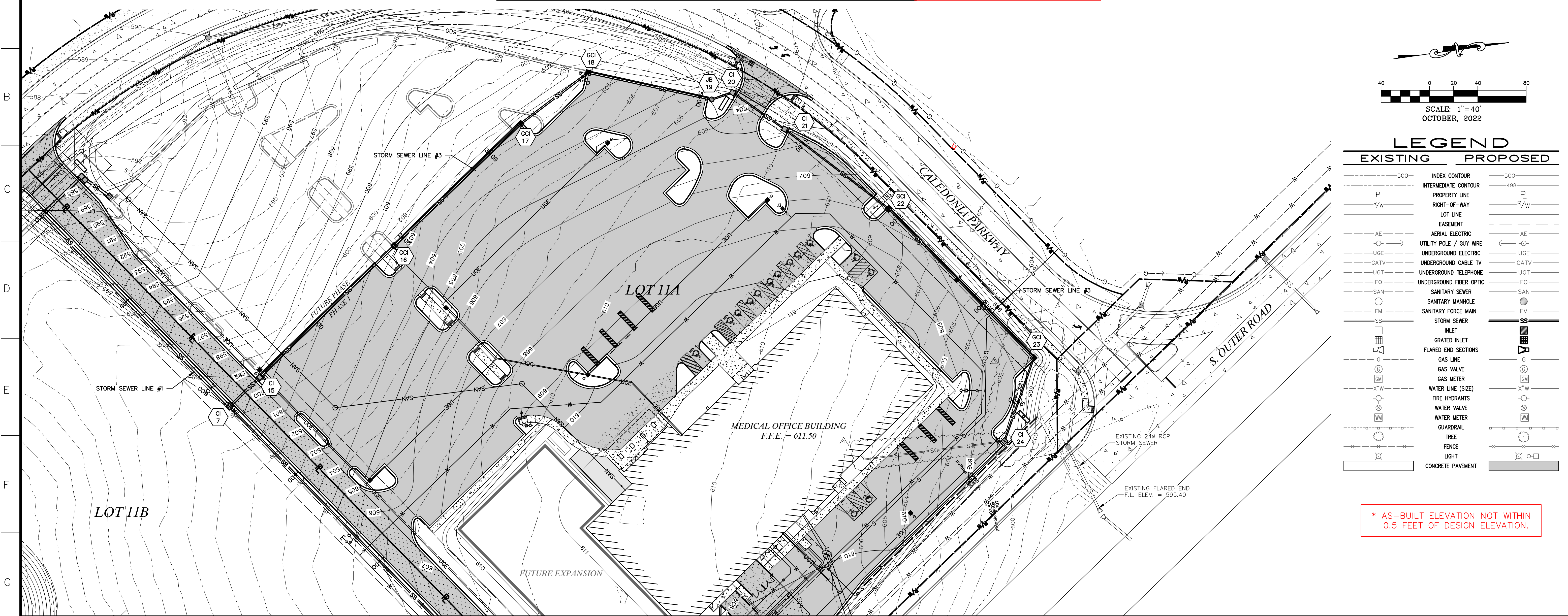
**SITE IMPROVEMENTS**  
**SSM HEALTH**  
**O'FALLON, MISSOURI**

STORM SEWER PLAN & PROFILE LINES #1 & #2

TOR C5



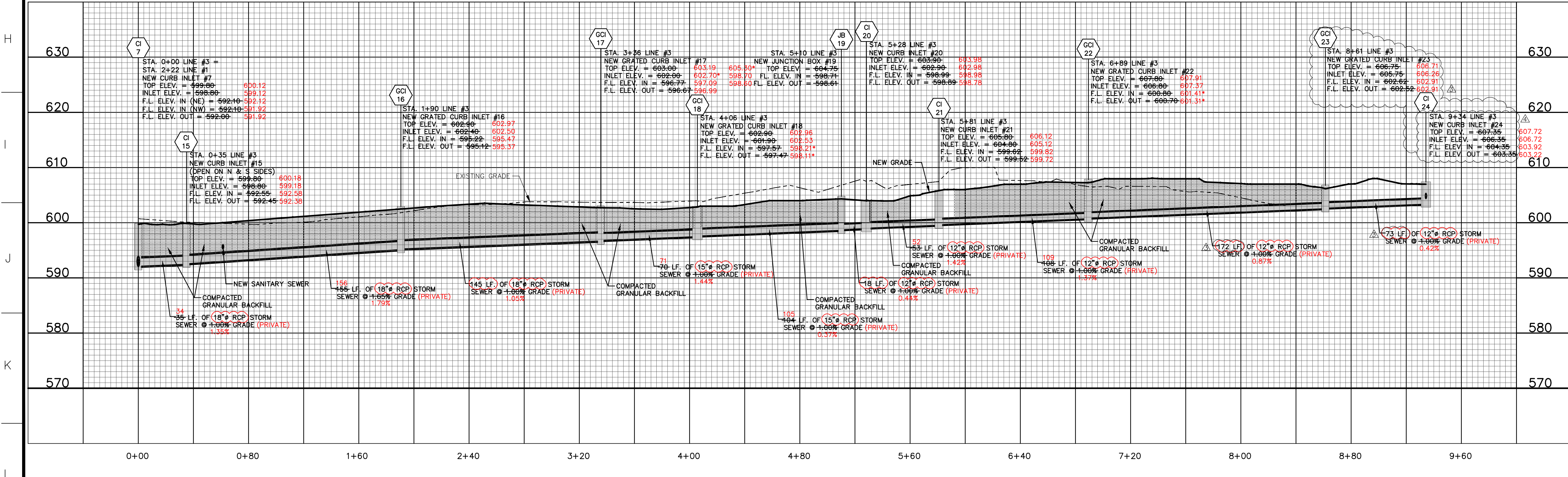
STORM SEWER LINES #3 (AS-BUILT)



\* AS-BUILT ELEVATION NOT WITHIN 0.5 FEET OF DESIGN ELEVATION.

| LEGEND                  |          |
|-------------------------|----------|
| EXISTING                | PROPOSED |
| 500                     | 500      |
| INDEX CONTOUR           | 498      |
| INTERMEDIATE CONTOUR    |          |
| PROPERTY LINE           |          |
| RIGHT-OF-WAY            |          |
| LOT LINE                |          |
| EASEMENT                |          |
| AE                      | AE       |
| AERIAL ELECTRIC         |          |
| UTILITY POLE / GUY WIRE |          |
| UG-E                    | UG-E     |
| UNDERGROUND ELECTRIC    |          |
| CATV                    | CATV     |
| UNDERGROUND CABLE TV    |          |
| UGT                     | UGT      |
| UNDERGROUND TELEPHONE   |          |
| FO                      | FO       |
| UNDERGROUND FIBER OPTIC |          |
| SAN                     | SAN      |
| SANITARY SEWER          |          |
| FM                      | FM       |
| SANITARY MANHOLE        |          |
| SS                      | SS       |
| SANITARY FORCE MAIN     |          |
| INLET                   |          |
| GRATED INLET            |          |
| FLARED END SECTIONS     |          |
| G                       | G        |
| GAS LINE                |          |
| GAS VALVE               |          |
| GAS METER               |          |
| WATER LINE (SIZE)       |          |
| X"W                     | X"W      |
| FIRE HYDRANTS           |          |
| WATER VALVE             |          |
| WATER METER             |          |
| GUARDRAIL               |          |
| TREE                    |          |
| FENCE                   |          |
| LIGHT                   |          |
| CONCRETE PAVEMENT       |          |

LINE #3



636-584-0540 (tel.)  
636-584-0512 (fax)  
mail@ochran.com  
530A E. Independence Dr.  
Union, Missouri 63084

**COCHRAN**

Civil Engineering  
Land Surveying  
Architecture  
Site Development  
General Consulting  
Master Planning

Missouri State Certificate of Authority Numbers:  
Survey: 000380  
Engineering: 001655  
Architecture: 2002014240

Three working days prior to the start of any excavation, call 1-800-MG-RITE for utility location information.

All OSHA rules & regulations apply to all construction projects. Plans and specifications shall be strictly followed (ie. trenching, blasting, etc.).

STATE OF MISSOURI  
9/19/2023  
RYAN D. GATES  
NUMBER PE2009018722  
Professional Engineer

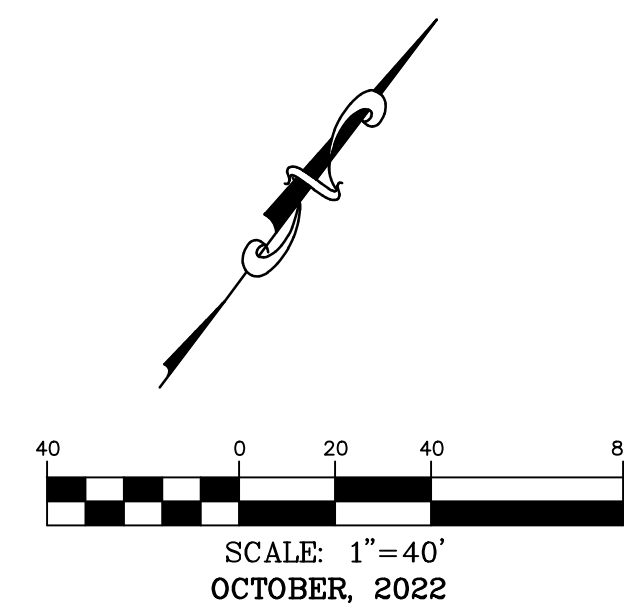
**SITE IMPROVEMENTS**  
**SSM HEALTH**  
**O'FALLON, MISSOURI**

**STORM SEWER PLAN & PROFILE LINE #3**

| DATE     | BY  | APP'D BY |
|----------|-----|----------|
| 12-14-22 | JMM | TES      |
| 10-10-23 | JMM | TES      |

DATE: OCT. 21, 2022  
HOR. SCALE: 1"=40'  
VERT. SCALE: 1"=10'  
PROJ. NO.: 22-9120  
DRWG. NO.: C6

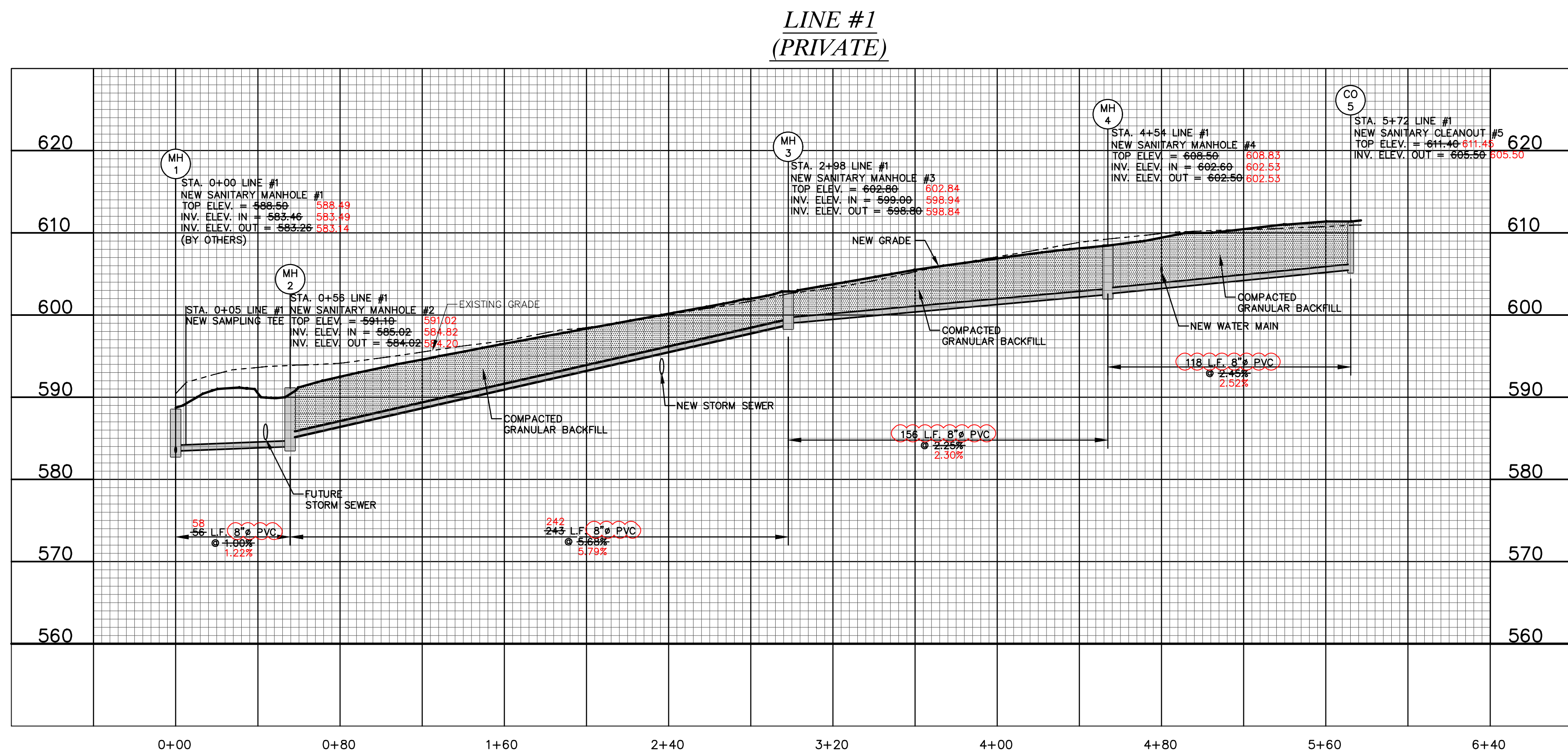




| EXISTING |                         | PROPOSED   |                         |
|----------|-------------------------|------------|-------------------------|
| ---      | 500-                    | ---        | 500-                    |
|          | INDEX CONTOUR           |            | INDEX CONTOUR           |
| ---      | INTERMEDIATE CONTOUR    | ---        | INTERMEDIATE CONTOUR    |
|          | PROPERTY LINE           |            | PROPERTY LINE           |
| R/W      | RIGHT-OF-WAY            | R/W        | RIGHT-OF-WAY            |
|          | LOT LINE                |            | LOT LINE                |
|          | EASEMENT                |            | EASEMENT                |
| AE       | AERIAL ELECTRIC         | AE         | AERIAL ELECTRIC         |
| ○ —      | UTILITY POLE / GUY WIRE | ○ —        | UTILITY POLE / GUY WIRE |
| UGE      | UNDERGROUND ELECTRIC    | UGE        | UNDERGROUND ELECTRIC    |
| CATV     | UNDERGROUND CABLE TV    | CATV       | UNDERGROUND CABLE TV    |
| UGT      | UNDERGROUND TELEPHONE   | UGT        | UNDERGROUND TELEPHONE   |
| FO       | UNDERGROUND FIBER OPTIC | FO         | UNDERGROUND FIBER OPTIC |
| SAN      | SANITARY SEWER          | <b>SAN</b> | <b>SANITARY SEWER</b>   |
| ○        | SANITARY MANHOLE        | ●          | SANITARY MANHOLE        |
| FM       | SANITARY FORCE MAIN     | FM         | SANITARY FORCE MAIN     |
| SS       | STORM SEWER             | SS         | STORM SEWER             |
| □        | INLET                   | ■          | INLET                   |
| ▢        | GRATED INLET            | ▢          | GRATED INLET            |
|          | FLARED END SECTIONS     | ▷ ▢        | FLARED END SECTIONS     |
| G        | GAS LINE                | G          | GAS LINE                |
| ○        | GAS VALVE               | ○          | GAS VALVE               |
| GM       | GAS METER               | GM         | GAS METER               |
| X-W      | WATER LINE (SIZE)       | X-W        | WATER LINE (SIZE)       |
| ○        | FIRE HYDRANTS           | ○          | FIRE HYDRANTS           |
| ⊗        | WATER VALVE             | ⊗          | WATER VALVE             |
| WM       | WATER METER             | WM         | WATER METER             |
| ○        | GUARDRAIL               | ○          | GUARDRAIL               |
| ○        | TREE                    | ○          | TREE                    |
| ×        | FENCE                   | ×          | FENCE                   |
| ○        | LIGHT                   | ⊗          | LIGHT                   |
|          | CONCRETE PAVEMENT       |            | CONCRETE PAVEMENT       |

**DUCKETT CREEK NOTES:**

1. EXISTING SANITARY SEWER SERVICE SHALL NOT BE INTERRUPTED.
2. CONSTRUCTION OF WASTEWATER FACILITIES REQUIRES DCSD INSPECTION.
3. CONTACT DCSD ENGINEERING DEPARTMENT AT 636-441-1244 TO SCHEDULE INSPECTION. 48 HOURS ADVANCE NOTICE IS REQUIRED.



618-684-4500 (rel.)  
 Fax: 618-684-4500  
 e-mail: [info@ochran.com](mailto:info@ochran.com)  
[www.ochran.com](http://www.ochran.com)

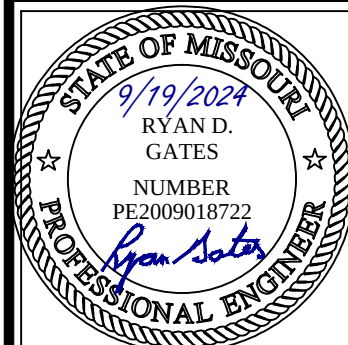
530A E. Independence Dr.  
 Union, Missouri 63084

**CHROHAN**

Missouri State Certificate of  
 Authority Numbers:  
 Survey: 000390  
 Engineering: 001655  
 Architecture: 2002014240

**These working drawings have been prepared by the start of any excavation for the proposed building on this site. The owner hereby warrants that the location information on this site plan is true and correct.**

**All FSW, plans & regulations established for the type of construction required by these drawings shall be followed (e.g. Tracing, Blasting, etc.)**



**SITE IMPROVEMENTS**  
**SSM HEALTH**  
**O'FALLON, MISSOURI**

# SANITARY SEWER PLAN & PROFILE LINE #1

|              |               |  |
|--------------|---------------|--|
| DATE         | OCT. 21, 2022 |  |
| HOR. SCALE:  | 1"=40'        |  |
| VERT. SCALE: | 1"=10'        |  |
| FROM NO.     | 22-9120       |  |
| DWG. NO.     |               |  |

C7