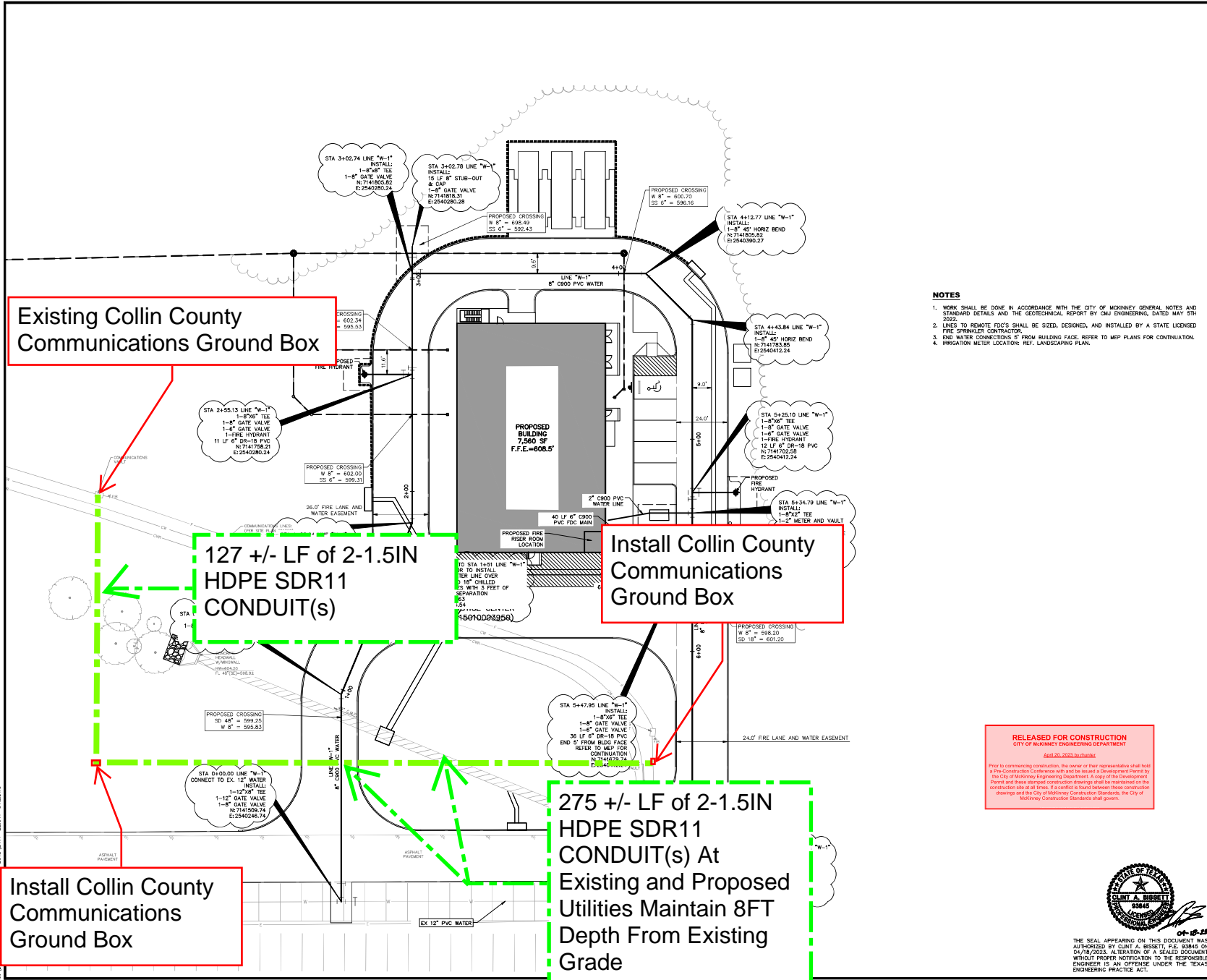


**LEGEND**

⊕	BOLLARD
⊕	ELECTRIC METER
⊕	POWER POLE
⊕	LIGHT STANDARD
⊕	WATER METER
⊕	WATER VALVE
⊕	IRRIGATION CONTROL VALVE
⊕	FIRE HYDRANT
⊕	CLEANOUT
⊕	MANHOLE
⊕	TRAFFIC SIGNAL CONTROL
⊕	TRAFFIC SIGNAL POLE
⊕	TELEPHONE BOX
⊕	FLOOD LIGHT
⊕	FLAG POLE
⊕	TRUCK SIGN
⊕	17'-DIAM IRON ROD
⊕	W/PACHECO KOCH™ CAP SET
⊕	CONTRIBUTOR'S MONUMENT
⊕	PROPERTY LINE
⊕	EDGE
⊕	OVERHEAD UTILITY LINE
⊕	UNDERGROUND TELEPHONE LINE
⊕	UNDERGROUND CABLE LINE
⊕	UNDERGROUND WATER LINE
⊕	UNDERGROUND SANITARY SEWER LINE
⊕	PROP FDC LOCATION
⊕	PROP WATER VALVE
⊕	PROP FIRE HYDRANT
⊕	PROP WATER METER/BEND
⊕	PROP SANITARY SEWER LINE
⊕	PROP SANITARY SEWER MANHOLE
⊕	PROP SANITARY SEWER CLEANOUT



**NOTES**

1. WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY OF MCKINNEY GENERAL NOTES AND STANDARD DETAILS AND THE GEOTECHNICAL REPORT BY CMI ENGINEERING, DATED MAY 31<sup>ST</sup> 2022.
2. LINES TO REMOTE FDC'S SHALL BE SIZED, DESIGNED, AND INSTALLED BY A STATE LICENSED FIRE SPRINKLER CONTRACTOR.
3. END WATER CONNECTIONS FROM BUILDING FACE, REFER TO MEP PLANS FOR CONTINUATION.
4. IRRIGATION METER LOCATION: REF. LANDSCAPING PLAN.

**WATER & SANITARY SEWER GENERAL NOTES**

1. CITY OF MCKINNEY GENERAL NOTES ON SHEETS C001 & C002 SHALL GOVERN OVER THE NOTES BELOW.
2. ALL CONCRETE SHALL BE CLASS "A" (3000 PSI), UNLESS OTHERWISE NOTED.
3. ALL WATER MAINS SHALL BE PVC 2000, DR 18, CLASS 305 AND INSTALLED IN ACCORDANCE WITH THE DESIGN AND SPECIFICATIONS OF THE FIRE PROTECTION PLANS TO BE PREPARED BY A LICENSED FIRE PROTECTION CONTRACTOR.
4. WATER AND SANITARY SEWER SERVICES SHALL MEET PLUMBING CODE REQUIREMENTS, FINISHED GRADE, UNLESS OTHERWISE NOTED.
5. ALL WATER MAINS SHALL HAVE A MINIMUM COVER OF 48 INCHES BELOW IMPROVED FINISHED GRADE, UNLESS OTHERWISE NOTED.
6. SANITARY SEWER PIPE SHALL BE PVC 2000.
7. MAIN WATER AND SANITARY SEWER MAINS, SERVICES, AND LATERALS ARE INSTALLED. THEY SHALL BE RECALLED NOT CLOSER TO EACH OTHER THAN NINE FEET IN ALL DIRECTIONS AND PARALLEL LINES MUST BE INSTALLED IN SEPARATE TRENCHES, WHERE THE NINE FOOT SEPARATION CANNOT BE ACHIEVED, THE FOLLOWING TOLERANCES SHALL APPLY:
  - 7.A. TCEQ CHAPTER 217.53 PIPE DESIGN, SECTION (4) SEPARATION DISTANCES.
  - 7.B. TCEQ CHAPTER 206.44 WATER DISTRIBUTION, SECTION (4) LOCATION OF WATER LINES.
8. CONTRACTOR TO VERIFY ALL EXISTING SEWER FLOW LINES BEFORE BEGINNING CONSTRUCTION.
9. CONTRACTOR SHALL TIE A ONE INCH WIDE PIECE OF RED PLASTIC FLAGGING TO THE END OF SEWER SERVICE AND SHALL LEAVE A MINIMUM 18" OF RICHES OF FLAGGING EXPOSED AFTER BACKFILL. AFTER CURB AND PAVING IS COMPLETELY, CONTRACTOR SHALL MARK THE LOCATION OF THE SERVICE CONNECTION ON THE CURB OR ALLEY IN ACCORDANCE WITH THE STANDARD CITY SPECIFICATIONS.
10. ALL SANITARY SEWER LINES SHALL BE TESTED IN ACCORDANCE WITH THE STANDARD CITY SPECIFICATIONS.
11. THE UTILITY CONTRACTOR SHALL INSTALL THE WATER SERVICES TO A POINT TWO FEET BACK OF THE CURB LINE AT A DEPTH OF 12 INCHES. THE METER BOX SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR. AFTER THE PAWING CONTRACTOR HAS COMPLETED THE FINE GRADING BEHIND THE CURB, EACH SERVICE LOCATION SHALL BE MARKED ON THE CURB WITH A BLUE LETTER "M" BY THE UTILITY CONTRACTOR AND TIED TO PROPERTY CORNERS ON THE "RECORD DRAWINGS".
12. ALL METER BOXES SHALL BE LOCATED IN UNPAVED AREAS.
13. TRENCH BACKFILL MATERIAL SHALL CONFORM TO THE REQUIREMENTS OF NOTC000 ITEM 3042 AND SHALL BE MECHANICALLY COMPACTED IN 6" LIFTS TO THE TOP OF SUBGRADE TO A MINIMUM OF 90% STANDARD PROCTOR DENSITY IN ACCORDANCE WITH THE STANDARD CITY SPECIFICATIONS.
14. EMBLEM TIE SHALL CONFORM TO THE REQUIREMENTS OF NOTC000 ITEM 3045 UNLESS OTHERWISE SHOWN ON THESE PLANS OR STATED IN THE STANDARD CITY SPECIFICATIONS.
15. VALVE BOXES SHALL BE FURNISHED AND SET ON EACH GATE VALVE. AFTER THE FINAL CLEAN-UP AND ALIGNMENT HAS BEEN COMPLETED, THE UTILITY CONTRACTOR SHALL POUR A 24"X24"X4" CONCRETE BLOCK AROUND ALL VALVE BOX TOPS LEVEL WITH THE FINISHED GRADE.
16. CONTRACTOR SHALL RECONNECT ALL EXISTING SERVICES AND MAINTAIN EXISTING SERVICES THROUGHOUT CONSTRUCTION.
17. IF REQUIRED DUE TO CONSTRUCTION, POWER POLES TO BE BRACED OR RELOCATED AT CONTRACTOR'S EXPENSE.
18. CONTRACTOR SHALL PROVIDE BACKFLOW PREVENTION AS REQUIRED BY TCEQ TITLE 30 SECTION 290 UNLESS OTHERWISE NOTED.

**FIRE SPRINKLER UNDERGROUND NOTES**

1. ALL UNDERGROUND FIRE SUPPLY PIPE SHALL BE A MINIMUM OF CLASS 200 / DR 14 OR BETTER.
2. UNDERGROUND FIRE SPRINKLER LINE SHALL BE BURIED A MINIMUM OF 24" FROM GRADE TO TOP OF PIPE.
3. ALL UNDERGROUND FIRE SPRINKLER LINES BEGIN AT THE POINT OF CONNECTION TO THE CIRCULATING PUBLIC/PRIVATE WATER MAIN AND TERMINATE AT THE TOP OF THE SPOOT PIECE 1 FOOT ABOVE THE FINISHED FLOOR AND NO MORE THAN FIVE FEET INSIDE THE BUILDING.

**RELEASED FOR CONSTRUCTION**  
CITY OF MCKINNEY ENGINEERING DEPARTMENT  
April 20, 2023 by: [Signature]

Prior to commencing construction, the owner or their representative shall visit a Pre-Construction Conference with and be issued a Development Permit by the City of McKinney Engineering Department. A copy of this Development Permit and these planned construction drawings shall be maintained on the construction site at all times. If a conflict is found between these construction drawings and the City of McKinney Construction Standards, the City of McKinney Construction Standards shall prevail.

TX REG. ENGINEERING FIRM F-14439  
TX REG. SURVEYING FIRM LS-1008000

NO.	DATE	REVISION				
<b>WATER PLAN</b> <b>COLLIN COUNTY CENTRAL UTILITY PLANT 2</b> <b>COLLIN COUNTY MUNICIPAL FACILITIES</b> <b>PHASE 2</b> <b>CITY OF MCKINNEY, COLLIN COUNTY, TEXAS</b>						
DESIGN	DRAWN	DATE	SCALE	NOTES	FILE	NO.
CAB	JDW	APR 2023	1"=20'			<b>C109</b>



THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY CLINT A. BISSETT, P.E. 23845 ON 04/19/2023. ALTERATION OF A SEALED DOCUMENT WITHOUT PROPER NOTIFICATION TO THE RESPONSIBLE ENGINEER IS AN OFFENSE UNDER THE TEXAS ENGINEERING PRACTICE ACT.

**Install Collin County Communications Ground Box**

**127 +/- LF of 2-1.5IN HDPE SDR11 CONDUIT(S)**

**Install Collin County Communications Ground Box**

**275 +/- LF of 2-1.5IN HDPE SDR11 CONDUIT(S) At Existing and Proposed Utilities Maintain 8FT Depth From Existing Grade**

4/19/2023 11:44 AM  
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