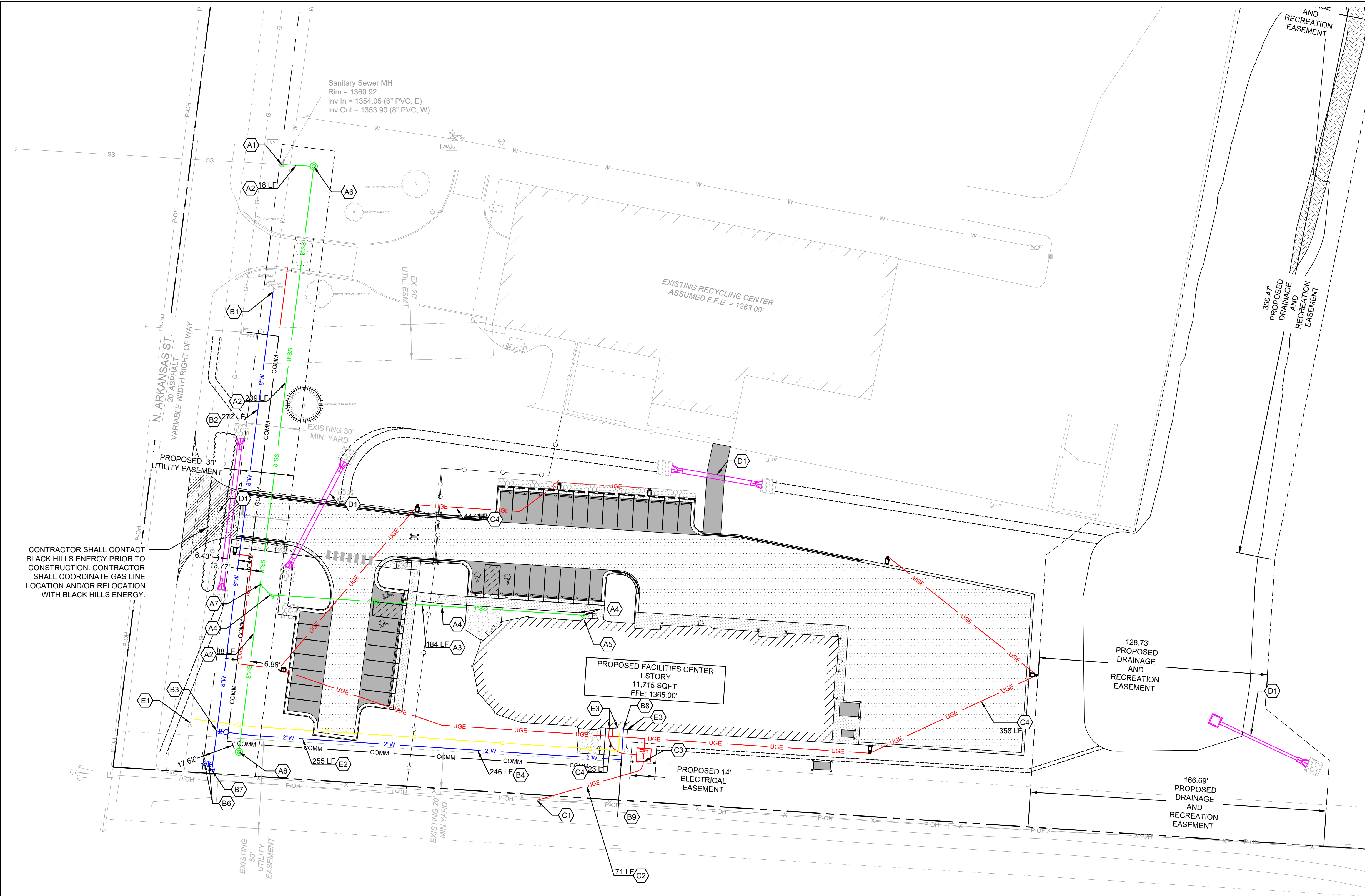




KEYNOTES:

- A1 CONTRACTOR TO DEMO AND REMOVE EXISTING MAN HOLE AND EXTEND PUBLIC 8" MAIN, SEE RWU FOR DETAILS
- A2 CONTRACTOR TO INSTALL 8" SDR-26 PVC SANITARY SEWER MINIMUM SLOPE @0.45%
- A3 CONTRACTOR TO INSTALL 4" SDR-26 PVC SANITARY SEWER MINIMUM SLOPE @2.08%
- A4 CONTRACTOR TO INSTALL 4" SDR-26 PVC SANITARY SEWER CLEANOUT, SEE SHEET FOR INVERT, SEE RWU FOR DETAILS
- A5 CONTRACTOR TO INSTALL 4" SDR-26 PVC SANITARY SEWER CONNECTION TO BUILDING (FOR CONTINUATION SEE MEP PLANS)
- A6 CONTRACTOR TO INSTALL 48" CAST-IN-PLACE SANITARY SEWER MANHOLE, SEE C4.1FOR INVERT, SEE RWU FOR DETAILS
- A7 CONTRACTOR TO INSTALL 8" X 4" SANITARY SEWER WYE & CLEANOUT SEE C4.1FOR INVERT, SEE RWU FOR DETAILS
- B1 PROPOSED 8" WATER MAIN EXTENSION SHALL CONNECT TO EXISTING PLUGGED 8" WATER VALVE. NO TAPPING SLEEVE OR ADDITIONAL GATE VALVE SHALL BE INSTALLED AT THIS CONNECTION. SEE RWU FOR DETAILS
- B2 CONTRACTOR TO INSTALL PUBLIC 8" DIP WATERLINE SEE C4.0 FOR MORE INFORMATION, REFERENCE RWU FOR DETAILS
- B3 INSTALL 8" X 2" TEE, 2" WATER METER & 2" GATE VALVE, SEE C4.0 FOR MORE INFORMATION, MIN COVER 30" SEE RWU FOR DETAILS
- B4 CONTRACTOR TO POTHOLE AND VERIFY WATERLINE ELEVATION OF EXISTING VALVES AND TEE PRIOR TO CONSTRUCTION
- B5 CONTRACTOR TO INSTALL 245 LF OF 2" PVC DOMESTIC WATERLINE, MIN COVER 30" SEE RWU FOR DETAILS

- B6 INSTALL FIRE HYDRANT, 8" X 6" TEE, AND 6" VALVE W/ TAMPER-PROOF OPERATING NUT. 6" DIP. SEE C4.0 FOR MORE INFORMATION, 36" MIN. COVER. REF. RWU FOR DETAILS
- B7 CONTRACTOR TO INSTALL 8" VALVE AND PLUG PER RWU DETAILS, SEE C4.0 FOR MORE INFORMATION
- B8 CONTRACTOR TO INSTALL 2" COPPER 90D BEND PER RWU DETAILS
- C1 PROPOSED PRIMARY CONNECTION TO EXISTING POWER. CONTRACTOR TO COORDINATE CONNECTION WITH SWEPCO
- C2 INSTALL PRIMARY ELECTRIC LINE, CONTRACTOR TO COORDINATE INSTALTATION WITH SWEPCO
- C3 INSTALL ELECTRIC TRANSFORMER CONTRACTOR TO COORDINATE WITH SWEPCO & MEP PLANS PRIOR TO CONSTRUCTION FOR SPECS
- C4 INSTALL SECONDARY ELECTRIC LINE, COORD WITH SWEPCO & MEP PLANS PRIOR TO CONSTRUCTION FOR CONDUIT SIZE, QUANTITY & SPECS
- D1 STORM UTILITY, SEE SHEET C3.1 FOR REFERENCE
- E1 CONTRACTOR TO COORDINATE TAP INTO EXISTING GAS LINE WITH BLACK HILLS ENERGY
- E2 INSTALL GAS LINE, CONTRACTOR TO COORDINATE SIZE, MATERIAL AND SPECIFICATIONS WITH BLACK HILLS ENERGY
- E3 POWER & GAS CONNECTION TO BUILDING (FOR CONTINUATION SEE MEP PLANS)

DOMESTIC WATER & FIRE PROTECTION LINE GENERAL NOTES:

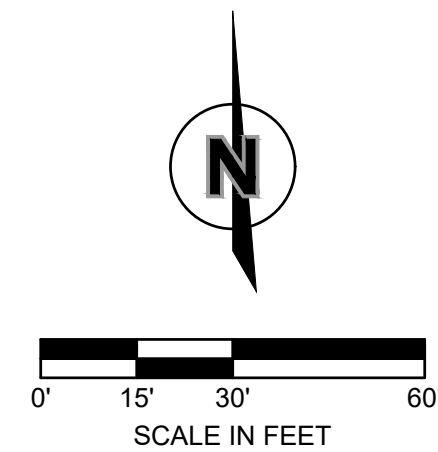
- CONTRACTOR TO VERIFY WITH ARCHITECTURAL/MEP PLANS FOR SIZE AND LOCATION OF UTILITY SERVICE TO BUILDING BEFORE CONSTRUCTION.
- WHERE THE WATER SERVICE IS TO BE CONSTRUCTED BELOW OR WITHIN 18 INCHES OF ANY SEWER PIPE, THE CONTRACTOR SHALL LAY A FULL LENGTH OF WATER SERVICE PIPE CENTERED ON THE SEWER OR SUCH LENGTH AS WILL PROVIDE THE MAXIMUM POSSIBLE SEPARATION OF THE JOINTS IN THE WATER SERVICE FROM THE SEWER LINE. IF NOT ALREADY SO, THE CONTRACTOR SHALL CONSTRUCT SANITARY SEWER WITH ONE 20 FOOT NOMINAL LENGTH OF PRESSURE PIPE MATERIAL CENTERED ON THE WATER SERVICE, SUCH THAT THE MAXIMUM POSSIBLE SEPARATION BETWEEN THE WATER SERVICE AND THE SEWER PIPE JOINTS WILL RESULT. THE BACKFILL MATERIAL SHALL BE SELECT, LOW PERMEABILITY SOIL.
- REMOVE SPOIL MATERIAL FROM SITE.
- THE CONTRACTOR SHALL NOT EXCEED MANUFACTURERS RECOMMENDATIONS FOR MAXIMUM PIPE JOINT DEFLECTIONS.
- PRIOR TO MOVING OFF THE JOB THE CONTRACTOR SHALL NOTIFY THE ENGINEER TO DO A FINAL WALK-THROUGH OF THE CONSTRUCTION SITE.
- PRIOR TO FINAL ACCEPTANCE ALL WATER SERVICE PIPE SHALL BE PRESSURE TESTED BY THE CONTRACTOR IN ACCORDANCE WITH THE CITY OF ROGERS REQUIREMENTS.
- PRIOR TO FINAL ACCEPTANCE ALL WATER SERVICE PIPE SHALL BE DISINFECTED BY THE CONTRACTOR IN ACCORDANCE WITH THE CITY OF ROGERS REQUIREMENTS.
- LOCATION AND ELEVATIONS OF IMPROVEMENTS TO BE MET (OR AVOIDED) BY WORK TO BE DONE SHALL BE CONFIRMED BY THE CONTRACTOR THROUGH FIELD EXPLORATIONS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL REPORT TO THE ENGINEER OR CITY INSPECTOR ANY DISCREPANCIES BETWEEN HIS MEASUREMENTS AND THESE PLANS.
- ALL WATER SERVICE CONSTRUCTION SHALL BE DONE UNDER A PLUMBERS PERMIT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS.
- MAINTAIN 42" MINIMUM COVER OVER TOP OF WATER SERVICE PIPE.
- WATER SERVICE PIPE MATERIALS SHALL BE SDR 13.5 PVC FOR IRRIGATION WATER LINE & DOMESTIC SERVICE UNDER 4" AND AWWA C900 PVC FOR FIRE PROTECTION, DOMESTIC & SERVICE MAINS OVER 4".
- INSTALLATION OF FIRE SERVICE SHALL BE IN ACCORDANCE WITH CURRENT NFPA 24 GUIDELINES.
- CONTRACTOR SHALL BE RESPONSIBLE TO DEFLECT PIPE OR ADD FITTINGS AS NECESSARY TO MAINTAIN A MINIMUM 18" OF CLEARANCE BETWEEN FIRE/WATER LINES AND ALL OTHER UNDERGROUND UTILITIES.

SANITARY SEWER GENERAL NOTE:

SANITARY SERVICE LATERAL SHALL BE SCH40 PVC.
MINIMUM SLOPE FOR SANITARY SEWER LATERALS:
4" SEWER LATERAL SLOPE = 2.08% MIN.
6" SEWER LATERAL SLOPE = 1.04% MIN.

LEGEND

---	EXISTING RIGHT-OF-WAY LINE
- - -	PROPERTY LINE
- - -	PROPOSED BUILDING SETBACK
- - -	PROPOSED EASEMENT
- - -	EXISTING EASEMENT
- - -	EXISTING ROAD CENTERLINE
SD	EXISTING STORM LINE
SS	EXISTING SANITARY SEWER LINE
P-OH	EXISTING OVERHEAD ELECTRIC LINE
W	EXISTING WATER LINE
G	EXISTING GAS PIPE
▲	BENCHMARK
○	EXISTING LIGHT POLE
□	EXISTING TRANSFORMER
□	EXISTING WATER METER
□	EXISTING GRATE INLET
□	EXISTING POWER POLE
□	EXISTING POWER POLE W/ LIGHT
□	EXISTING STEEL POST
□	EXISTING WATER VALVE
□	EXISTING HYDRANT
□	PROPOSED FENCE
---	PROPOSED STORM LINE
---	PROPOSED PUBLIC SANITARY LINE
---	PROPOSED SANITARY LATERAL
---	PROPOSED PUBLIC WATER MAIN
---	PROPOSED PRIVATE WATER SERVICE
---	PROPOSED ELECTRICAL LINE
---	PROPOSED GAS LINE
---	PROPOSED STORM STRUCTURE
---	PROPOSED FLARED END SECTION
---	PROPOSED PUBLIC SANITARY MANHOLE
---	PROPOSED SANITARY CLEANOUT
---	PROPOSED WATER METER
---	PROPOSED WATER VALVE
---	PROPOSED HYDRANT
---	PROPOSED TRANSFORMER
---	PROPOSED LIGHT POLE



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A NEW BUILDING FOR THE

ROGERS FACILITIES DEPARTMENT

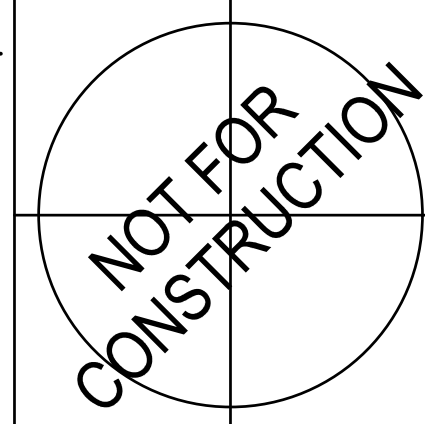
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UTILITY PLAN



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