CONSTRUCTION NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION OF EXISTING UTILITIES. CONTRACTOR SHALL REPAIR ALL UTILITIES DAMAGED BY CONTRACTOR'S ACTIVITIES AT NO EXPENSE TO THE OWNER.
2. CONTRACTOR IS RESPONSIBLE FOR SITE SAFETY.
3. CONTRACTOR IS RESPONSIBLE FOR IMPLEMENTING BEST MANAGEMENT PRACTICE (BMP'S) AS SHOWN ON THE PLANS. BMP'S SHALL ME MAINTAINED AT ALL TIMES.
4. CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL MEASURES. REFER TO GRADING BID SET FOR DETAILS.
5. ALL PUBLIC ROADS MUST BE KEPT CLEAN AT ALL TIMES.
6. CONTRACTOR IS RESPONSIBLE FOR PATCHING ALL STREETS DAMAGED BY CONSTRUCTION ACTIVITIES OR EQUIPMENT.
7. CONTRACTOR SHALL NOT INTERRUPT THE OWNERS CURRENT OPERATIONS.
8. CONTRACTOR SHALL BE RESPONSIBLE CONTROLLING DUST FROM JOBSITE ACTIVITIES.

CONSTRUCTION NOTES CONTINUED:

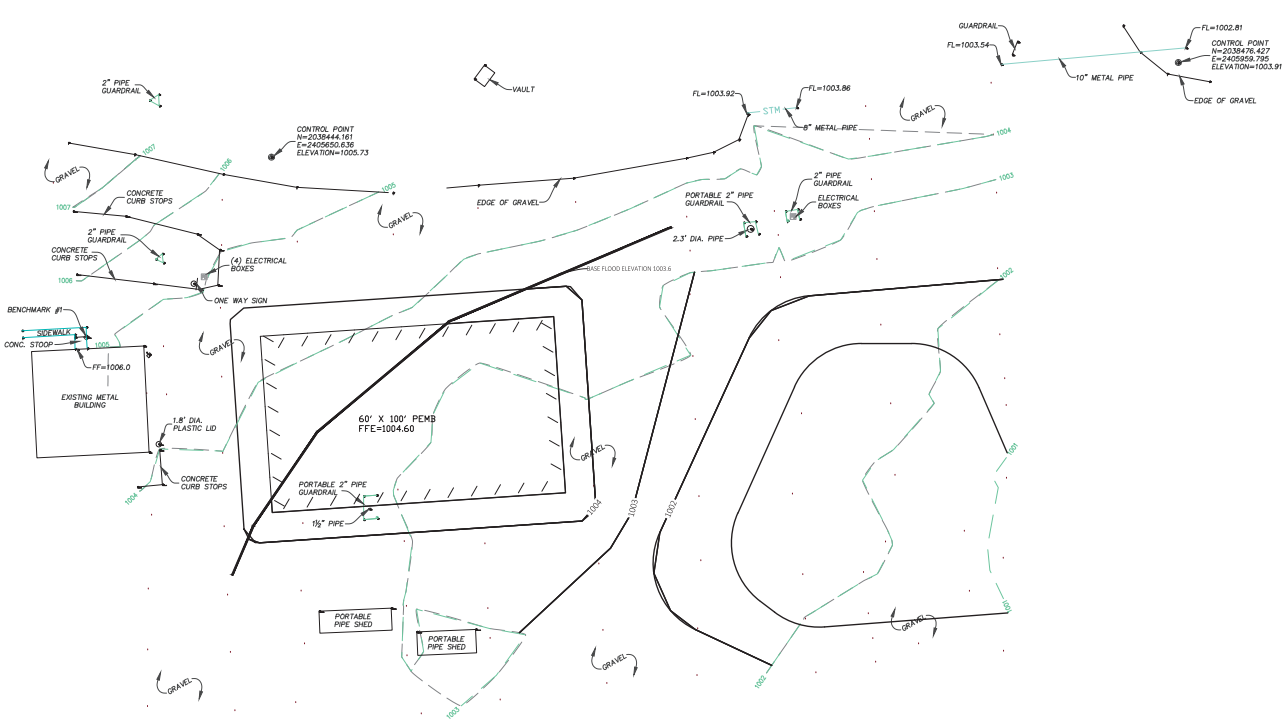
9. ADJUST VALVE COVERS & UTILITY BOXES AS NECESSARY TO PROVIDE SMOOTH SURFACE.
10. ALL STORM PIPE OUTLETS TO HAVE RODENT SCREENS/ANIMAL BARRIERS.
11. ALL STORM STRUCTURES NYOPLAST UNLESS OTHERWISE SIZES NOTED FOR CONCRETE STRUCTURE.
12. ALL PIPE LENGTHS AND FLOW LINES TO CENTER OF STRUCTURE.
13. ELECTRIC CONDUIT BY CONTRACTOR.

TEMPORARY TRAFFIC CONTROL NOTES:

1. ALL TRAFFIC CONTROL SHALL BE PER CURRENT MUTCD REQUIREMENTS AND SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. A TRAFFIC CONTROL PLAN WILL BE REQUIRED FOR ANY WORK WITHIN THE RIGHT-OF-WAY.
2. ALL TRAFFIC CONTROL DEVICES AND TEMPORARY TRAFFIC CONTROL PLANS SHALL BE IN ACCORDANCE WITH THE MOST RECENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
3. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR JOB SITE, WORKER, AND TRAFFIC SAFETY.

CONSTRUCTION QUALITY ASSURANCE REQUIREMENTS:

1. THE OWNER IS RESPONSIBLE FOR PROVIDING QUALITY ASSURANCE COMPACTION TESTING OF SUBGRADES AND CONTROLLED FILL MATERIALS AND FIELD SAMPLING AND TESTING.
2. STRIP A MINIMUM OF 12 INCHES OF TOPSOIL AND ROOT ZONES FROM ALL AREAS TO RECEIVE FILL.
3. ALL SITE FILL SHALL BE CONSTRUCTED IN UNIFORM HORIZONTAL LIFTS WITH A MAXIMUM LOOSE THICKNESS OF 8 INCHES.
4. ALL SUBGRADE SURFACES AND CONTROLLED FILL ARE TO BE COMPACTED TO A MINIMUM OF 95 PERCENT OF MAXIMUM DRY DENSITY AS DETERMINED IN ACCORDANCE WITH ASTM D 689 "STANDARD" PROCTOR, AT A MOISTURE CONTENT BETWEEN 1 PERCENTAGE POINTS BELOW AND 5 PERCENTAGE POINTS ABOVE OPTIMUM MOISTURE CONTENT AS DETERMINED IN ACCORDANCE WITH ASTM D 698.
5. COMPACTION TESTS SHALL BE CONDUCTED IN ACCORDANCE WITH THE METHODS OF ASTM D 6938 OR D7698.
6. COMPACTION TESTS SHALL BE CONDUCTED AT THE RATE OF ONE TEST PER 10,000 SQUARE FEET OF SUBGRADE SURFACE AREA OR CONTROLLED FILL SURFACE AREA, WITH NO LESS THAN 2 TESTS PER EACH DAY'S SUBGRADE SURFACE AREA AND NOT LESS THAN 2 TESTS PER LIFT OF CONTROLLED FILL.



LEGEND

◆	Denotes Benchmark (As Noted)
⊗	Denotes Control Point (As Noted)
▤	Denotes Electrical Box
✎	Denotes Mailbox
▽	Denotes Sign (As Noted)
STM	Denotes Storm Sewer Line (As Noted)
	Denotes Guardrail
FF	Denotes Finish Floor

DATE OF FIELD WORK: DECEMBER 7, 2020
PROJECT UNITS: KANSAS STATE PLANE, SOUTH ZONE 1502, NAD83 (2011)
ELEVATIONS ESTABLISHED FROM GPS & DERIVED FROM MoDOT's VRS NETWORK, (NAVD 88).

BENCHMARK #1 NORTHEAST CORNER OF CONCRETE STOOP, NORTH SIDE OF METAL BUILDING.
ELEV. 1005.97 (NAVD88)

N

LEGEND

	PROPERTY LINE
100	EXISTING SURFACE CONTOUR
	FENCE LINE
SS	STORM SEWER LINE
SAN	SANITARY SEWER LINE
G	GAS LINE
UT	UNDERGROUND TELEPHONE LINE
UE	UNDERGROUND ELECTRIC LINE
W	WATER LINE
LS	LIGHT STANDARD
TP	TELEPHONE PEDESTAL
	STORM SEWER MANHOLE
CP	CONTROL POINT
CMP	CORRUGATED METAL PIPE
PVC	POLYVINYL CHLORIDE
HDPE	HIGH DENSITY POLYETHYLENE
RCP	REINFORCED CONCRETE PIPE
PB	PULL BOX
	FOUND APPARENT MONUMENT
SS	PROPOSED SURFACE CONTOUR
SAN	PROPOSED STORM SEWER LINE
G	PROPOSED SANITARY SEWER LINE
W	PROPOSED GAS LINE
UE	PROPOSED WATER LINE
	PROPOSED UNDERGROUND ELECTRIC LINE
	SILT FENCE
850.0 / 849.5	TOP OF CURB ELEVATION / TOP OF PAVEMENT ELEVATION
49.5	FINISH GRADE ELEVATION (ADD 800 – SHORTENED DIGIT DISPLAY)

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Robert Rollings Architects LLC
1806 West Broadway
Sedalia, MO 65301
Phone: 660. 829. 9751
Fax: 660. 829. 9752

GRAM
engineering + design
1016 W Broadway Boulevard
Sedalia, Missouri 65301
Phone: 660.851.1214

PRELIMINARY, NOT FOR CONSTRUCTION

Gregory R. Harding
Date: 2021.03.30 09:29:07 -05'00'
CERTIFICATE OF AUTHORITY
GRAM ENGINEERING + DESIGN, LLC
SEDALIA: 261-2223 TEL 1

ISSUE/REVISION	DATE	NO.

PANHANDLE EASTERN PIPELINE STORAGE BUILDING

29115 METCALF RD
LOUISBURG, KS 66053

GRADING PLAN

DRAWN BY	
CHECKED BY	Approver

SHEET NUMBER:

C0.0

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