ADDENDUM NO. 1

TO: PLANS AND SPECIFICATIONS FOR STATE OF MISSOURI

Connect Camp Clark Sewer System to City of Nevada Sewer System
Camp Clark Training Site
Nevada, Missouri
Project No.: T2301-02

Bid Opening Date: 1:30 PM, Thursday, August 29, 2024 (Not Changed)

Bidders are hereby informed that the construction Plans and/or Specifications are modified as follows:

SPECIFICATION CHANGES:

1. None

DRAWING CHANGES:

1. Issue full size (24x36) drawings. See attachment.

GENERAL COMMENTS:

1. The Pre-Bid Meeting is scheduled for August 8, 2024 at 10:00 AM.
2. Please contact April Howser, Contract Specialist, at 573-751-0053 or April.Howser@oa.mo.gov for questions about bidding procedures, MBE\WBE\SDVE Goals, and other submittal requirements.
3. The deadline for technical questions is August 21, 2024.
4. Changes to, or clarification of, the bid documents are only made as issued in the addenda.
5. All correspondence with respect to this project must include the State of Missouri project number as indicated above.
6. Current Plan holders list is available online at: T2301-02 Connect Camp Clark Sewer System to City of Nevada Sewer System :: Plan Holders :: State of Missouri Office of Administration (oafmdcplanroom.com).
7. Prospective Bidders contact American Document Solutions, 1400 Forum Blvd Suite 1C, Columbia MO 65201, 573-446-7768 to order official plans and specifications.
8. **All bids shall be submitted on the bid form without additional terms and conditions, modifications, or stipulations. Each space on the bid form shall be properly filled. Failure to do so will result in rejection of the bid.**
9. **MBE/WBE/SDVE participation requirements can be found in DIVISION 00. The MBE/WBE/SDVE participation goals are 10%/10%/3%, respectively. Only certified firms as of the bid opening date can be used to satisfy the MBE/WBE/SDVE participation goals for this project. If a bidder is unable to meet a participation goal, a Good Faith Effort Determination Form must be completed. Failure to complete this process will result in rejection of the bid.**

ATTACHMENTS:

1. Full Size (24x36) Drawings

July 31, 2024

END OF ADDENDUM NO. 1

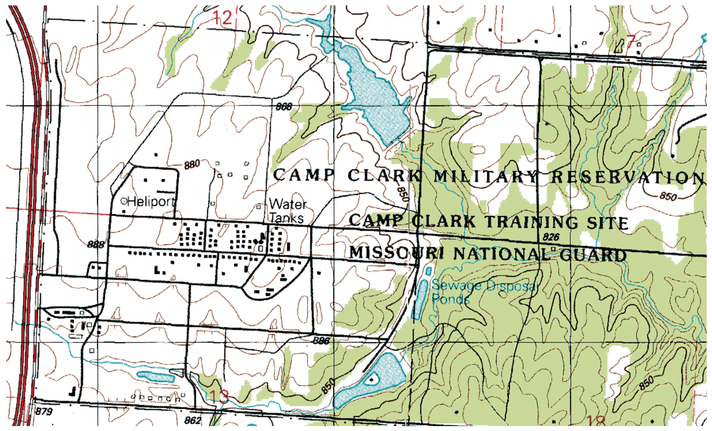
CONNECT CAMP CLARK SEWER SYSTEM TO CITY OF NEVADA SEWER SYSTEM
CAMP CLARK TRAINING SITE
NEVADA, MISSOURI

ALLGEIER, MARTIN and ASSOCIATES, INC.

OWNER: STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR

DEPARTMENT OF
MISSOURI NATIONAL GUARD

PROJECT MANAGEMENT: OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT,
DESIGN AND CONSTRUCTION



LOCATION MAP
NTS

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PROJECT ADDRESS:
18159 EE HIGHWAY
NEVADA, MO 64772

DESIGNER: Allgeier Martin & Associates
7231 East 24th Street Joplin, Missouri 64804
(417) 680-7200

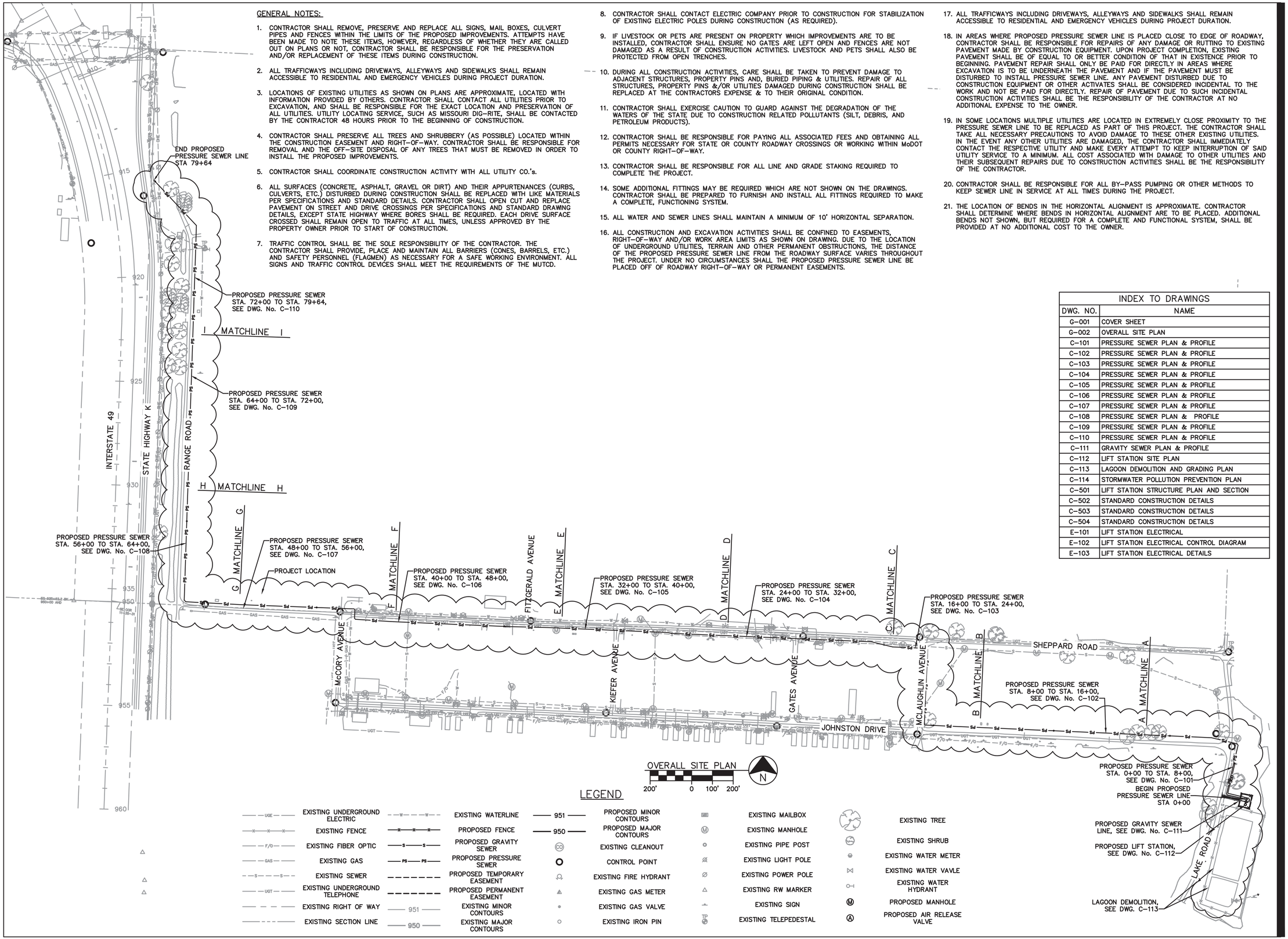
PROJECT NUMBER: T2301-02

SITE NUMBER: 6274
ASSET NUMBER: 8136274075

SHEET NUMBER:
G-001
1 OF 23 SHEETS
JUNE 14, 2024

GENERAL NOTES:

1. CONTRACTOR SHALL REMOVE, PRESERVE AND REPLACE ALL SIGNS, MAIL BOXES, CULVERT PIPES AND FENCES WITHIN THE LIMITS OF THE PROPOSED IMPROVEMENTS. ATTEMPTS HAVE BEEN MADE TO NOTE THESE ITEMS, HOWEVER, REGARDLESS OF WHETHER THEY ARE CALLED OUT ON PLANS OR NOT, CONTRACTOR SHALL BE RESPONSIBLE FOR THE PRESERVATION AND/OR REPLACEMENT OF THESE ITEMS DURING CONSTRUCTION.
2. ALL TRAFFICWAYS INCLUDING DRIVEWAYS, ALLEYWAYS AND SIDEWALKS SHALL REMAIN ACCESSIBLE TO RESIDENTIAL AND EMERGENCY VEHICLES DURING PROJECT DURATION.
3. LOCATIONS OF EXISTING UTILITIES AS SHOWN ON PLANS ARE APPROXIMATE, LOCATED WITH INFORMATION PROVIDED BY OTHERS. CONTRACTOR SHALL CONTACT ALL UTILITIES PRIOR TO EXCAVATION, AND SHALL BE RESPONSIBLE FOR THE EXACT LOCATION AND PRESERVATION OF ALL UTILITIES. UTILITY LOCATING SERVICE, SUCH AS MISSOURI DIG-RITE, SHALL BE CONTACTED BY THE CONTRACTOR 48 HOURS PRIOR TO THE BEGINNING OF CONSTRUCTION.
4. CONTRACTOR SHALL PRESERVE ALL TREES AND SHRUBBERY (AS POSSIBLE) LOCATED WITHIN THE CONSTRUCTION EASEMENT AND RIGHT-OF-WAY. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL AND THE OFF-SITE DISPOSAL OF ANY TREES THAT MUST BE REMOVED IN ORDER TO INSTALL THE PROPOSED IMPROVEMENTS.
5. CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITY WITH ALL UTILITY CO.'s.
6. ALL SURFACES (CONCRETE, ASPHALT, GRAVEL OR DIRT) AND THEIR APPURTENANCES (CURBS, CULVERTS, ETC.) DISTURBED DURING CONSTRUCTION SHALL BE REPLACED WITH LIKE MATERIALS PER SPECIFICATIONS AND STANDARD DETAILS. CONTRACTOR SHALL OPEN CUT AND REPLACE PAVEMENT ON STREET AND DRIVE CROSSINGS PER SPECIFICATIONS AND STANDARD DRAWING DETAILS, EXCEPT STATE HIGHWAY WHERE BORES SHALL BE REQUIRED. EACH DRIVE SURFACE CROSSED SHALL REMAIN OPEN TO TRAFFIC AT ALL TIMES, UNLESS APPROVED BY THE PROPERTY OWNER PRIOR TO START OF CONSTRUCTION.
7. TRAFFIC CONTROL SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL PROVIDE, PLACE AND MAINTAIN ALL BARRIERS (CONES, BARRELS, ETC.) AND SAFETY PERSONNEL (FLAGMEN) AS NECESSARY FOR A SAFE WORKING ENVIRONMENT. ALL SIGNS AND TRAFFIC CONTROL DEVICES SHALL MEET THE REQUIREMENTS OF THE MUTCD.
8. CONTRACTOR SHALL CONTACT ELECTRIC COMPANY PRIOR TO CONSTRUCTION FOR STABILIZATION OF EXISTING ELECTRIC POLES DURING CONSTRUCTION (AS REQUIRED).
9. IF LIVESTOCK OR PETS ARE PRESENT ON PROPERTY WHICH IMPROVEMENTS ARE TO BE INSTALLED, CONTRACTOR SHALL ENSURE NO GATES ARE LEFT OPEN AND FENCES ARE NOT DAMAGED AS A RESULT OF CONSTRUCTION ACTIVITIES. LIVESTOCK AND PETS SHALL ALSO BE PROTECTED FROM OPEN TRENCHES.
10. DURING ALL CONSTRUCTION ACTIVITIES, CARE SHALL BE TAKEN TO PREVENT DAMAGE TO ADJACENT STRUCTURES, PROPERTY PINS AND, BURIED PIPING & UTILITIES. REPAIR OF ALL STRUCTURES, PROPERTY PINS &/OR UTILITIES DAMAGED DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTORS EXPENSE & TO THEIR ORIGINAL CONDITION.
11. CONTRACTOR SHALL EXERCISE CAUTION TO GUARD AGAINST THE DEGRADATION OF THE WATERS OF THE STATE DUE TO CONSTRUCTION RELATED POLLUTANTS (SILT, DEBRIS, AND PETROLEUM PRODUCTS).
12. CONTRACTOR SHALL BE RESPONSIBLE FOR PAYING ALL ASSOCIATED FEES AND OBTAINING ALL PERMITS NECESSARY FOR STATE OR COUNTY ROADWAY CROSSINGS OR WORKING WITHIN MoDOT OR COUNTY RIGHT-OF-WAY.
13. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL LINE AND GRADE STAKING REQUIRED TO COMPLETE THE PROJECT.
14. SOME ADDITIONAL FITTINGS MAY BE REQUIRED WHICH ARE NOT SHOWN ON THE DRAWINGS. CONTRACTOR SHALL BE PREPARED TO FURNISH AND INSTALL ALL FITTINGS REQUIRED TO MAKE A COMPLETE, FUNCTIONING SYSTEM.
15. ALL WATER AND SEWER LINES SHALL MAINTAIN A MINIMUM OF 10' HORIZONTAL SEPARATION.
16. ALL CONSTRUCTION AND EXCAVATION ACTIVITIES SHALL BE CONFINED TO EASEMENTS, RIGHT-OF-WAY AND/OR WORK AREA LIMITS AS SHOWN ON DRAWING. DUE TO THE LOCATION OF UNDERGROUND UTILITIES, TERRAIN AND OTHER PERMANENT OBSTRUCTIONS, THE DISTANCE OF THE PROPOSED PRESSURE SEWER LINE FROM THE ROADWAY SURFACE VARIES THROUGHOUT THE PROJECT. UNDER NO CIRCUMSTANCES SHALL THE PROPOSED PRESSURE SEWER LINE BE PLACED OFF OF ROADWAY RIGHT-OF-WAY OR PERMANENT EASEMENTS.
17. ALL TRAFFICWAYS INCLUDING DRIVEWAYS, ALLEYWAYS AND SIDEWALKS SHALL REMAIN ACCESSIBLE TO RESIDENTIAL AND EMERGENCY VEHICLES DURING PROJECT DURATION.
18. IN AREAS WHERE PROPOSED PRESSURE SEWER LINE IS PLACED CLOSE TO EDGE OF ROADWAY, CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRS OF ANY DAMAGE OR RUTTING TO EXISTING PAVEMENT MADE BY CONSTRUCTION EQUIPMENT. UPON PROJECT COMPLETION, EXISTING PAVEMENT SHALL BE OF EQUAL TO OR BETTER CONDITION OF THAT IN EXISTENCE PRIOR TO BEGINNING. PAVEMENT REPAIR SHALL ONLY BE PAID FOR DIRECTLY IN AREAS WHERE EXCAVATION IS TO BE UNDERNEATH THE PAVEMENT AND IF THE PAVEMENT MUST BE DISTURBED TO INSTALL PRESSURE SEWER LINE. ANY PAVEMENT DISTURBED DUE TO CONSTRUCTION EQUIPMENT OR OTHER ACTIVATES SHALL BE CONSIDERED INCIDENTAL TO THE WORK AND NOT BE PAID FOR DIRECTLY. REPAIR OF PAVEMENT DUE TO SUCH INCIDENTAL CONSTRUCTION ACTIVITIES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER.
19. IN SOME LOCATIONS MULTIPLE UTILITIES ARE LOCATED IN EXTREMELY CLOSE PROXIMITY TO THE PRESSURE SEWER LINE TO BE REPLACED AS PART OF THIS PROJECT. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO THESE OTHER EXISTING UTILITIES. IN THE EVENT ANY OTHER UTILITIES ARE DAMAGED, THE CONTRACTOR SHALL IMMEDIATELY CONTACT THE RESPECTIVE UTILITY AND MAKE EVERY ATTEMPT TO KEEP INTERRUPTION OF SAID UTILITY SERVICE TO A MINIMUM. ALL COST ASSOCIATED WITH DAMAGE TO OTHER UTILITIES AND THEIR SUBSEQUENT REPAIRS DUE TO CONSTRUCTION ACTIVITIES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
20. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL BY-PASS PUMPING OR OTHER METHODS TO KEEP SEWER LINE IN SERVICE AT ALL TIMES DURING THE PROJECT.
21. THE LOCATION OF BENDS IN THE HORIZONTAL ALIGNMENT IS APPROXIMATE. CONTRACTOR SHALL DETERMINE WHERE BENDS IN HORIZONTAL ALIGNMENT ARE TO BE PLACED. ADDITIONAL BENDS NOT SHOWN, BUT REQUIRED FOR A COMPLETE AND FUNCTIONAL SYSTEM, SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER.



OVERALL SITE PLAN

200' 0 100' 200'

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LEGEND

UGE	EXISTING UNDERGROUND ELECTRIC	W	EXISTING WATERLINE	951	PROPOSED MINOR CONTOURS		EXISTING MAILBOX
X	EXISTING FENCE	X	PROPOSED FENCE	950	PROPOSED MAJOR CONTOURS	M	EXISTING MANHOLE
F/O	EXISTING FIBER OPTIC	S	PROPOSED GRAVITY SEWER	CO	EXISTING CLEANOUT		EXISTING PIPE POST
GAS	EXISTING GAS	PS	PROPOSED PRESSURE SEWER		CONTROL POINT		EXISTING LIGHT POLE
S	EXISTING SEWER		PROPOSED TEMPORARY EASEMENT		EXISTING FIRE HYDRANT		EXISTING POWER POLE
UGT	EXISTING UNDERGROUND TELEPHONE		PROPOSED PERMANENT EASEMENT		EXISTING GAS METER		EXISTING RW MARKER
	EXISTING RIGHT OF WAY	951	EXISTING MINOR CONTOURS		EXISTING GAS VALVE		EXISTING SIGN
	EXISTING SECTION LINE	950	EXISTING MAJOR CONTOURS		EXISTING IRON PIN	TP	EXISTING TELEPEDESTAL

	EXISTING TREE
	EXISTING SHRUB
	EXISTING WATER METER
	EXISTING WATER VAVLE
	EXISTING WATER HYDRANT
M	PROPOSED MANHOLE
A	PROPOSED AIR RELEASE VALVE

INDEX TO DRAWINGS

DWG. NO.	NAME
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G-002	OVERALL SITE PLAN
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C-102	PRESSURE SEWER PLAN & PROFILE
C-103	PRESSURE SEWER PLAN & PROFILE
C-104	PRESSURE SEWER PLAN & PROFILE
C-105	PRESSURE SEWER PLAN & PROFILE
C-106	PRESSURE SEWER PLAN & PROFILE
C-107	PRESSURE SEWER PLAN & PROFILE
C-108	PRESSURE SEWER PLAN & PROFILE
C-109	PRESSURE SEWER PLAN & PROFILE
C-110	PRESSURE SEWER PLAN & PROFILE
C-111	GRAVITY SEWER PLAN & PROFILE
C-112	LIFT STATION SITE PLAN
C-113	LAGOON DEMOLITION AND GRADING PLAN
C-114	STORMWATER POLLUTION PREVENTION PLAN
C-501	LIFT STATION STRUCTURE PLAN AND SECTION
C-502	STANDARD CONSTRUCTION DETAILS
C-503	STANDARD CONSTRUCTION DETAILS
C-504	STANDARD CONSTRUCTION DETAILS
E-101	LIFT STATION ELECTRICAL
E-102	LIFT STATION ELECTRICAL CONTROL DIAGRAM
E-103	LIFT STATION ELECTRICAL DETAILS

STATE OF MISSOURI
MICHAEL L. PARSON, GOVERNOR

CIVIL ENGINEER: GARRETT D. WAGNER
LICENSE NO. PE-2019000226

STATE OF MISSOURI
GARRETT D. WAGNER
Camp Clark Sewer
NUMBER PE-2019000226
3/12/24
PROFESSIONAL ENGINEER

ALLGEIER, MARTIN and ASSOCIATES, INC.
CIVIL · CONSULTING · ENGINEERING · SURVEYING
7231 EAST 2nd STREET JOPLIN, MISSOURI 64804 (417) 680-7350

OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT,
DESIGN AND CONSTRUCTION

MISSOURI
NATIONAL GUARD

CONNECT CAMP CLARK
TO CITY OF NEVADA
SEWER SYSTEM

CAMP CLARK

NEVADA, MISSOURI

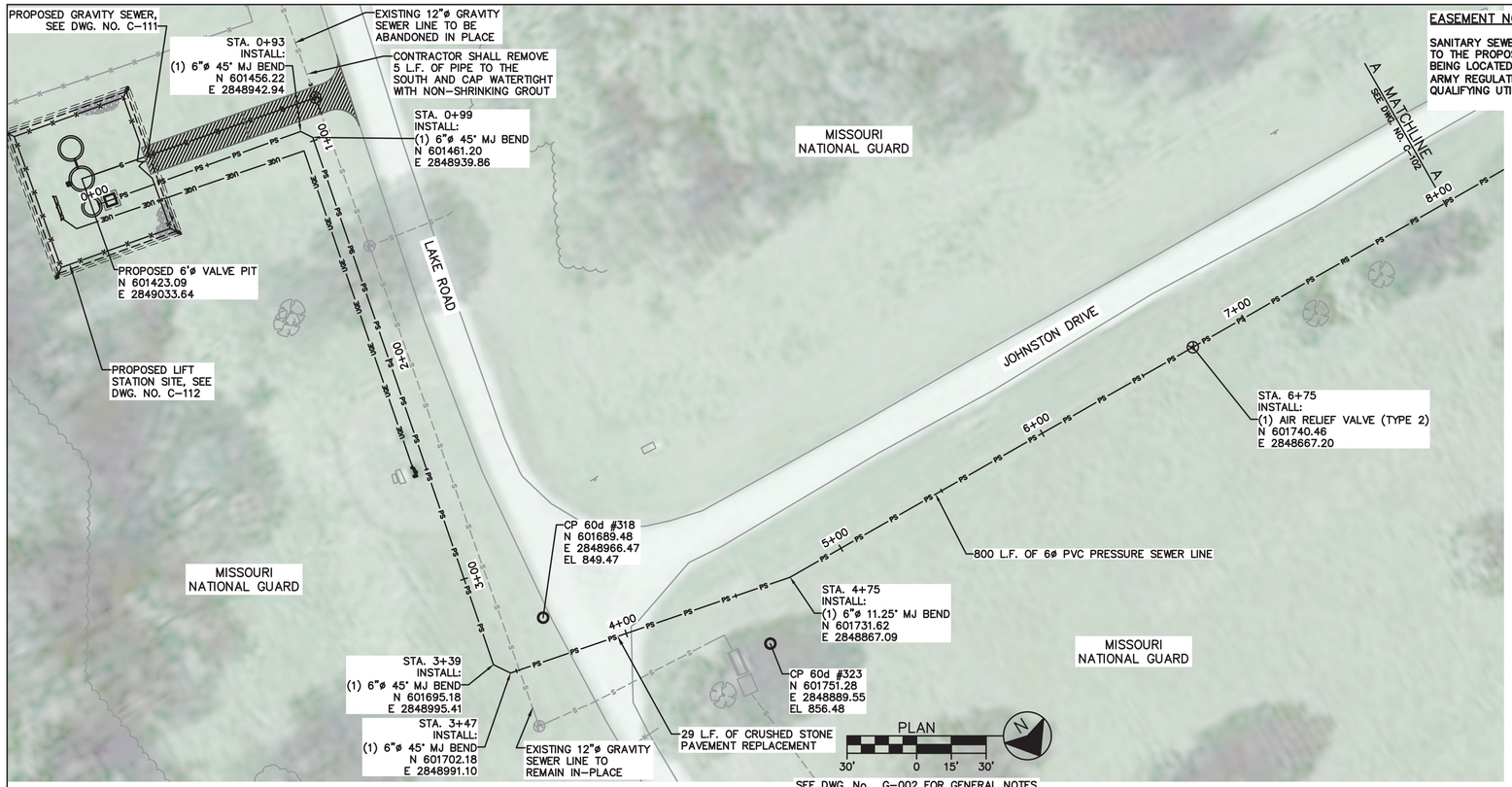
PROJECT # T2301-02
SITE # 6274
ASSET # 8136274075

REVISION: REMOVE LOCATION MAP
DATE: 03-12-2024
REVISION:
DATE:
REVISION:
DATE:
ISSUE DATE: 06/14/2024

CAD DWG FILE:
DRAWN BY: AWW
CHECKED BY: SCW
DESIGNED BY: GDW

SHEET TITLE:
OVERALL SITE PLAN

SHEET NUMBER:
G-002
2 OF 23 SHEETS



EASEMENT NOTE:

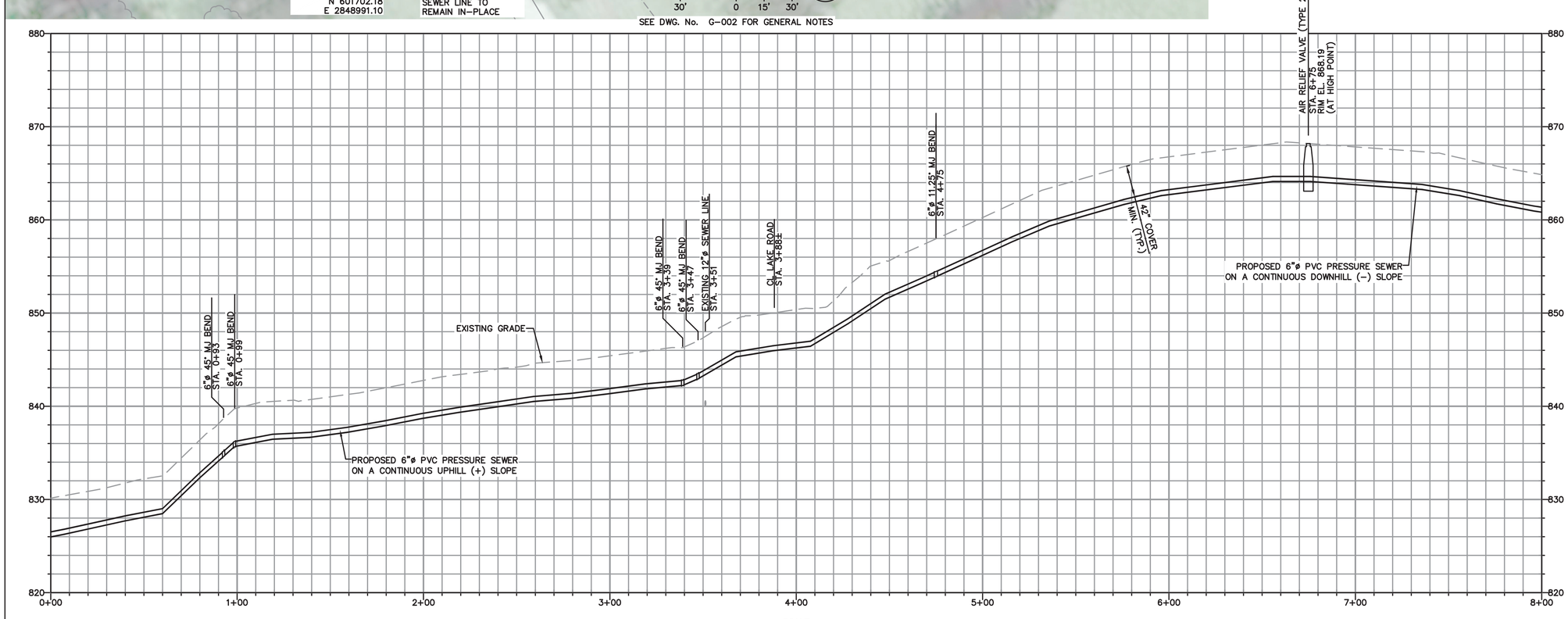
SANITARY SEWER EASEMENTS HAVE NOT BEEN OBTAINED DUE TO THE PROPOSED PRESSURE SEWER PIPE AND LIFT STATION BEING LOCATED ON FEDERAL PROPERTY THAT IS COVERED IN ARMY REGULATION (AR 405-80) GRANTING ACCESS FOR ALL QUALIFYING UTILITIES.

PRESSURE SEWER NOTES:

1. NO. 12 COATED COPPER DETECTION WIRE SHALL BE RUN IN TRENCH FOR ENTIRE LENGTH OF INSTALLED PRESSURE SEWER MAIN, PER DETAILS AND SPECIFICATIONS.
2. PRESSURE SEWER LINE SHALL BE INSTALLED WITH A MINIMUM OF 42" OF COVER OVER TOP OF PIPE.

LEGEND

EXISTING UNDERGROUND ELECTRIC	EXISTING FIRE HYDRANT
EXISTING FENCE	EXISTING GAS METER
EXISTING FIBER OPTIC	EXISTING GAS VALVE
EXISTING GAS	EXISTING IRON PIN
EXISTING SEWER	EXISTING MAILBOX
EXISTING UNDERGROUND TELEPHONE	EXISTING MANHOLE
EXISTING RIGHT OF WAY	EXISTING PIPE POST
EXISTING SECTION LINE	EXISTING LIGHT POLE
EXISTING WATERLINE	EXISTING POWER POLE
PROPOSED FENCE	EXISTING RW MARKER
PROPOSED GRAVITY SEWER	EXISTING SIGN
PROPOSED PRESSURE SEWER	EXISTING TELEPEDESTAL
PROPOSED TEMPORARY EASEMENT	EXISTING TREE
PROPOSED PERMANENT EASEMENT	EXISTING SHRUB
EXISTING MINOR CONTOURS	EXISTING WATER METER
EXISTING MAJOR CONTOURS	EXISTING WATER VAVLE
PROPOSED MINOR CONTOURS	EXISTING WATER HYDRANT
PROPOSED MAJOR CONTOURS	PROPOSED MANHOLE
EXISTING CLEANOUT	PROPOSED AIR RELEASE VALVE
CONTROL POINT	



SCALE
VERT. = 1:6
HORIZ. = 1:30

STATE OF MISSOURI
MICHAEL L. PARSON, GOVERNOR

CIVIL ENGINEER: GARRETT D. WAGNER
LICENSE NO. PE-2019000226

STATE OF MISSOURI
GARRETT D. WAGNER
Camp Clark Sewer
NUMBER PE-2019000226
3/26/24
PROFESSIONAL ENGINEER

ALLGEIER, MARTIN and ASSOCIATES, INC.
CONSULTING ENGINEERS AND SURVEYORS
7233 EAST 2nd STREET JOPLIN, MISSOURI 64804 (417) 680-7200

OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT,
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MISSOURI NATIONAL GUARD

CONNECT CAMP CLARK TO CITY OF NEVADA SEWER SYSTEM

CAMP CLARK

NEVADA, MISSOURI

PROJECT # T2301-02
SITE # 6274
ASSET # 8136274075

REVISION: EASEMENTS
DATE: 03-26-2024
REVISION:
DATE:
REVISION:
DATE:
ISSUE DATE: 06/14/2024

CAD DWG FILE:
DRAWN BY: AWW
CHECKED BY: SCW
DESIGNED BY: GDW

SHEET TITLE:
PRESSURE SEWER PLAN & PROFILE

SHEET NUMBER:
C-101

3 OF 23 SHEETS

LEGEND

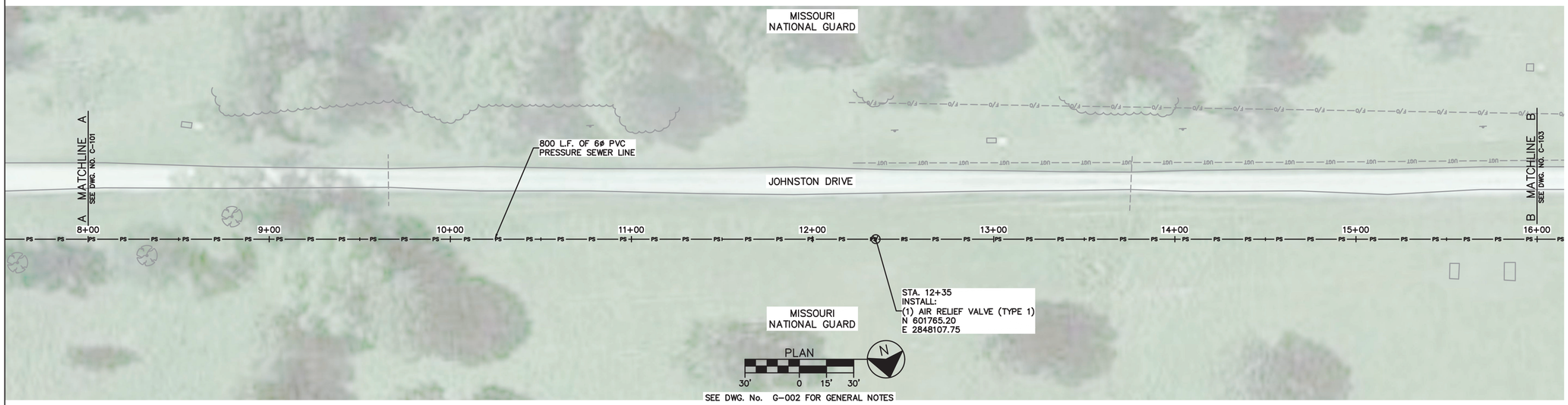
UGE	EXISTING UNDERGROUND ELECTRIC	X	PROPOSED FENCE	950	PROPOSED MAJOR CONTOURS	EXISTING PIPE POST	EXISTING WATER METER
X	EXISTING FENCE	S	PROPOSED GRAVITY SEWER	CO	EXISTING CLEANOUT	EXISTING LIGHT POLE	EXISTING WATER VAVLE
F/O	EXISTING FIBER OPTIC	PS	PROPOSED PRESSURE SEWER		CONTROL POINT	EXISTING POWER POLE	EXISTING WATER HYDRANT
GAS	EXISTING GAS		PROPOSED TEMPORARY EASEMENT		EXISTING FIRE HYDRANT	EXISTING RW MARKER	PROPOSED MANHOLE
S	EXISTING SEWER		PROPOSED PERMANENT EASEMENT		EXISTING GAS METER	EXISTING SIGN	PROPOSED AIR RELEASE VALVE
UGT	EXISTING UNDERGROUND TELEPHONE	951	EXISTING MINOR CONTOURS		EXISTING GAS VALVE	EXISTING TELEPEDESTAL	
	EXISTING RIGHT OF WAY	950	EXISTING MAJOR CONTOURS		EXISTING IRON PIN	EXISTING TREE	
	EXISTING SECTION LINE	951	PROPOSED MINOR CONTOURS		EXISTING MAILBOX	EXISTING SHRUB	
W	EXISTING WATERLINE			M	EXISTING MANHOLE		

EASEMENT NOTE:

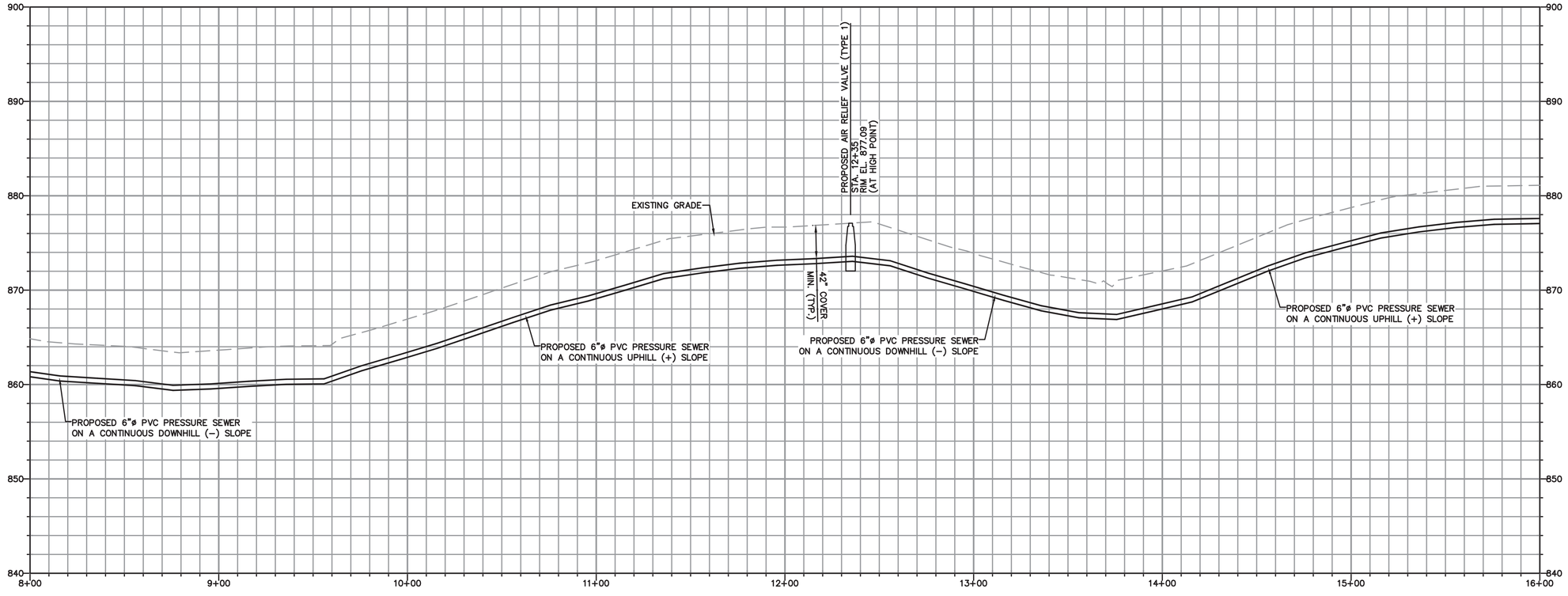
SANITARY SEWER EASEMENTS HAVE NOT BEEN OBTAINED DUE TO THE PROPOSED PRESSURE SEWER PIPE AND LIFT STATION BEING LOCATED ON FEDERAL PROPERTY THAT IS COVERED IN ARMY REGULATION (AR 405-80) GRANTING ACCESS FOR ALL QUALIFYING UTILITIES.

PRESSURE SEWER NOTES:

1. NO. 12 COATED COPPER DETECTION WIRE SHALL BE RUN IN TRENCH FOR ENTIRE LENGTH OF INSTALLED PRESSURE SEWER MAIN, PER DETAILS AND SPECIFICATIONS.
2. PRESSURE SEWER LINE SHALL BE INSTALLED WITH A MINIMUM OF 42" OF COVER OVER TOP OF PIPE.



SEE DWG. No. G-002 FOR GENERAL NOTES



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MICHAEL L. PARSON,
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CONSULTING ENGINEERS AND SCIENTISTS
7101 EAST 26th STREET JOPLIN, MISSOURI 64804 (417) 680-7200

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CONNECT CAMP CLARK
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CAMP CLARK

NEVADA, MISSOURI

PROJECT # T2301-02
SITE # 6274
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REVISION: EASEMENTS
DATE: 03-26-2024
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CAD DWG FILE:
DRAWN BY: AWW
CHECKED BY: SCW
DESIGNED BY: GDW

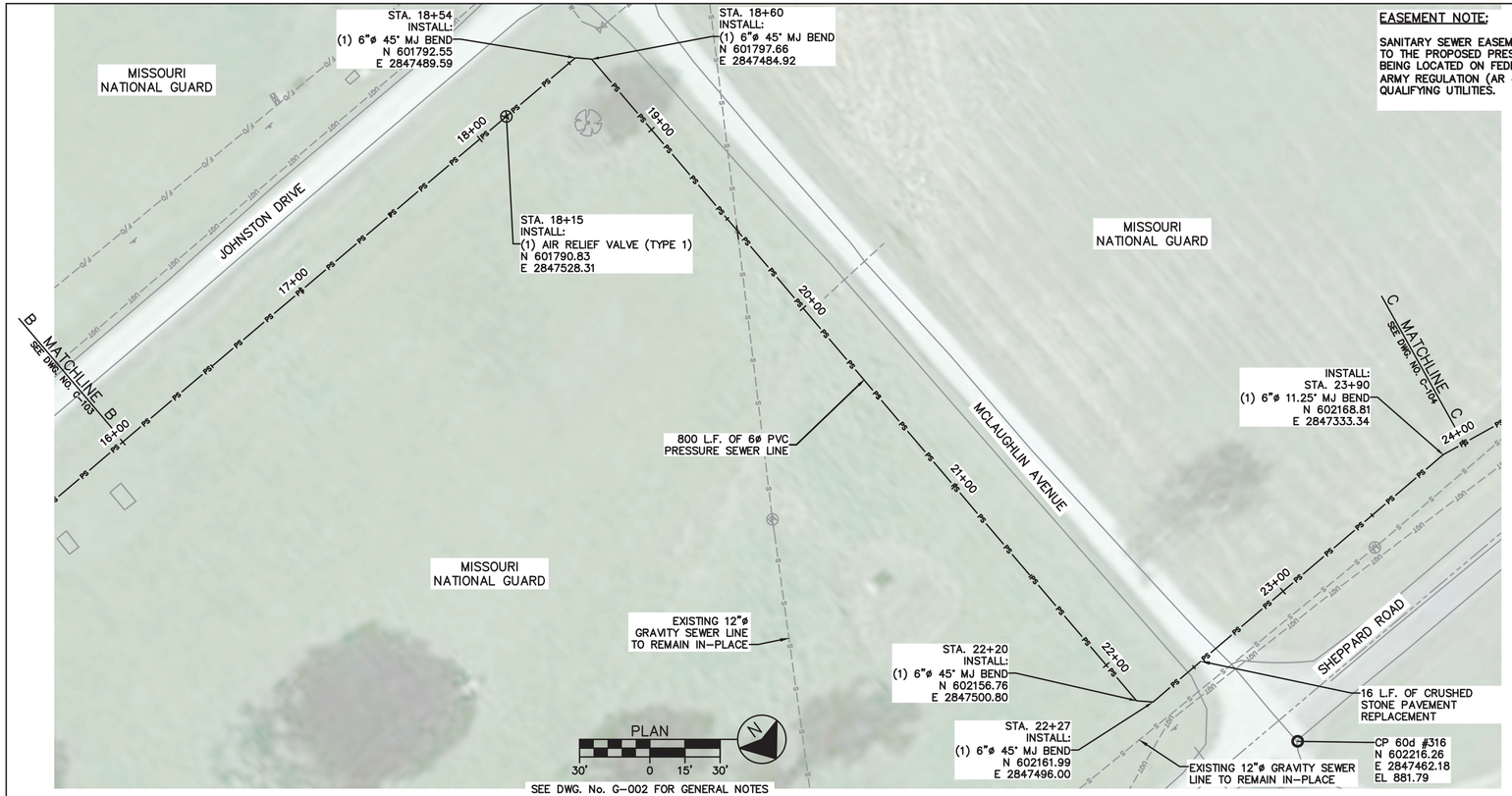
SHEET TITLE:

PRESSURE SEWER
PLAN & PROFILE

SHEET NUMBER:

C-102

4 OF 23 SHEETS



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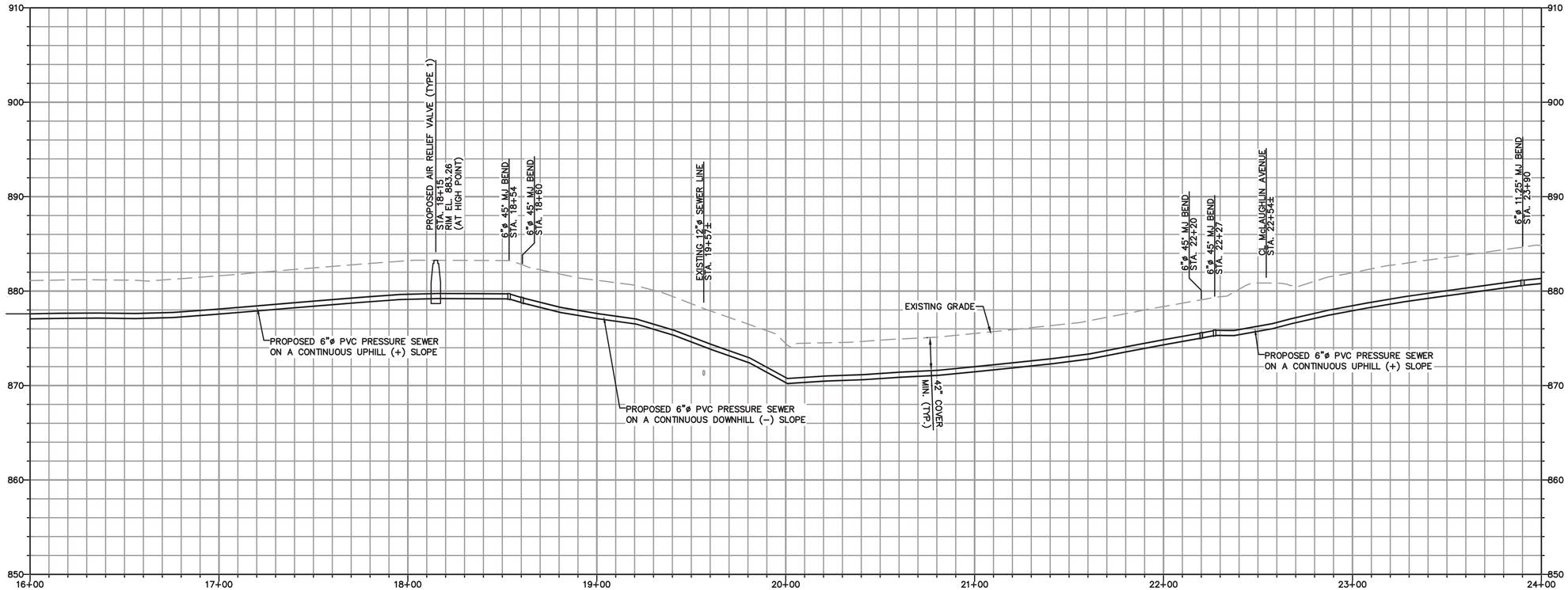

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LEGEND

EXISTING UNDERGROUND ELECTRIC	EXISTING FIRE HYDRANT
EXISTING FENCE	EXISTING GAS METER
EXISTING FIBER OPTIC	EXISTING GAS VALVE
EXISTING GAS	EXISTING IRON PIN
EXISTING SEWER	EXISTING MAILBOX
EXISTING UNDERGROUND TELEPHONE	EXISTING MANHOLE
EXISTING RIGHT OF WAY	EXISTING PIPE POST
EXISTING SECTION LINE	EXISTING LIGHT POLE
EXISTING WATERLINE	EXISTING POWER POLE
PROPOSED FENCE	EXISTING RW MARKER
PROPOSED GRAVITY SEWER	EXISTING SIGN
PROPOSED PRESSURE SEWER	EXISTING TELEPEDESTAL
PROPOSED TEMPORARY EASEMENT	EXISTING TREE
PROPOSED PERMANENT EASEMENT	EXISTING SHRUB
EXISTING MINOR CONTOURS	EXISTING WATER METER
EXISTING MAJOR CONTOURS	EXISTING WATER VAVLE
PROPOSED MINOR CONTOURS	EXISTING WATER HYDRANT
PROPOSED MAJOR CONTOURS	PROPOSED MANHOLE
EXISTING CLEANOUT	PROPOSED AIR RELEASE VALVE
CONTROL POINT	

STATE OF MISSOURI
MICHAEL L. PARSON,
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MISSOURI
NATIONAL GUARD

CONNECT CAMP CLARK
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CAMP CLARK

NEVADA, MISSOURI

PROJECT # T2301-02
SITE # 6274
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REVISION: EASEMENTS
DATE: 03-26-2024
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CAD DWG FILE:
DRAWN BY: AWW
CHECKED BY: SCW
DESIGNED BY: GDW

SHEET TITLE:

PRESSURE SEWER
PLAN & PROFILE

SHEET NUMBER:

C-103

5 OF 23 SHEETS

LEGEND

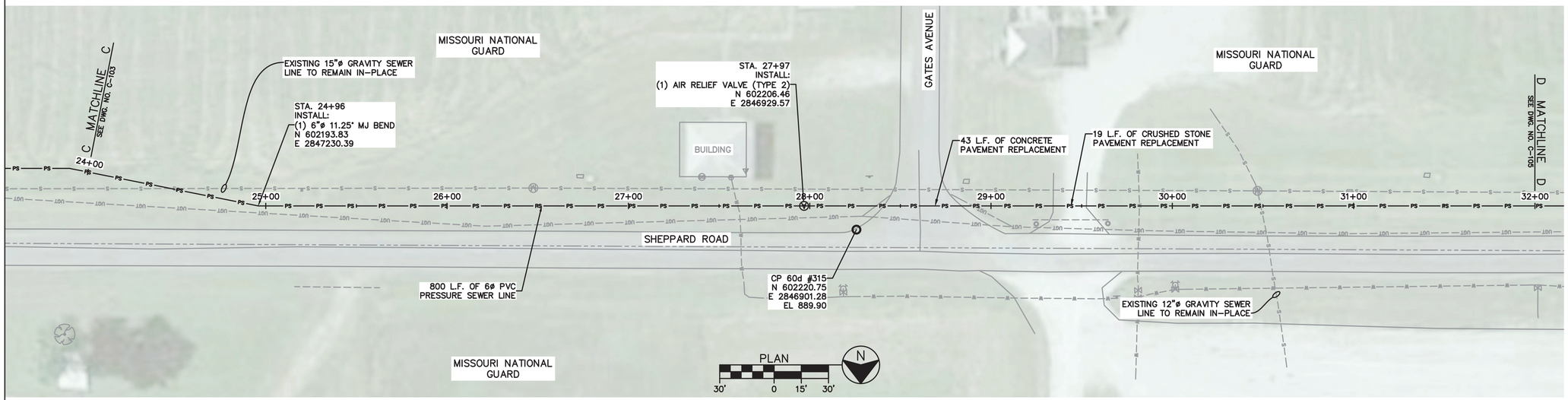
EXISTING UNDERGROUND ELECTRIC	PROPOSED FENCE	PROPOSED MAJOR CONTOURS	EXISTING PIPE POST	EXISTING WATER METER
EXISTING FENCE	PROPOSED GRAVITY SEWER	EXISTING CLEANOUT	EXISTING LIGHT POLE	EXISTING WATER VAVLE
EXISTING FIBER OPTIC	PROPOSED PRESSURE SEWER	CONTROL POINT	EXISTING POWER POLE	EXISTING WATER HYDRANT
EXISTING GAS	PROPOSED TEMPORARY EASEMENT	EXISTING FIRE HYDRANT	EXISTING RW MARKER	PROPOSED MANHOLE
EXISTING SEWER	PROPOSED PERMANENT EASEMENT	EXISTING GAS METER	EXISTING SIGN	PROPOSED AIR RELEASE VALVE
EXISTING UNDERGROUND TELEPHONE	EXISTING MINOR CONTOURS	EXISTING GAS VALVE	EXISTING TELEPEDESTAL	
EXISTING RIGHT OF WAY	EXISTING MAJOR CONTOURS	EXISTING IRON PIN	EXISTING TREE	
EXISTING SECTION LINE	PROPOSED MINOR CONTOURS	EXISTING MAILBOX	EXISTING SHRUB	
EXISTING WATERLINE		EXISTING MANHOLE		

EASEMENT NOTE;

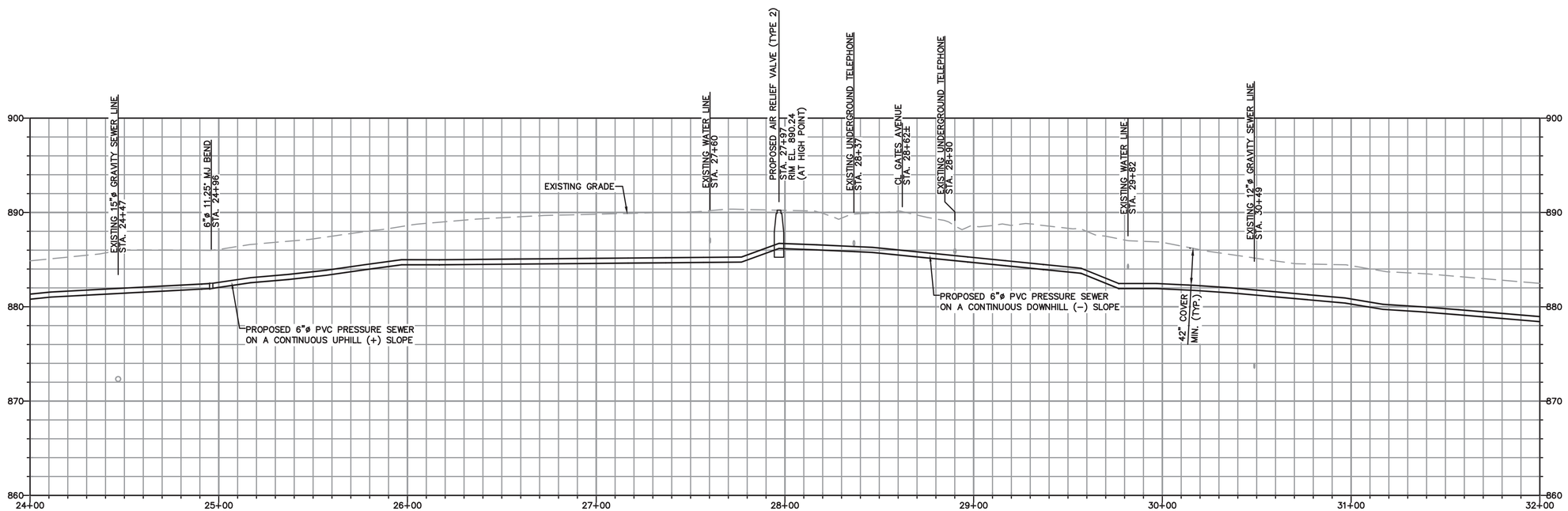
SANITARY SEWER EASEMENTS HAVE NOT BEEN OBTAINED DUE TO THE PROPOSED PRESSURE SEWER PIPE AND LIFT STATION BEING LOCATED ON FEDERAL PROPERTY THAT IS COVERED IN ARMY REGULATION (AR 405–80) GRANTING ACCESS FOR ALL QUALIFYING UTILITIES.

PRESSURE SEWER NOTES;

1. NO. 12 COATED COPPER DETECTION WIRE SHALL BE RUN IN TRENCH FOR ENTIRE LENGTH OF INSTALLED PRESSURE SEWER MAIN, PER DETAILS AND SPECIFICATIONS.
2. PRESSURE SEWER LINE SHALL BE INSTALLED WITH A MINIMUM OF 42" OF COVER OVER TOP OF PIPE.



SEE DWG. No. G–002 FOR GENERAL NOTES



SCALE
VERT. = 1:6
HORIZ. = 1:30

STATE OF MISSOURI
MICHAEL L. PARSON, GOVERNOR

CIVIL ENGINEER: GARRETT D. WAGNER
LICENSE NO. PE–2019000226

STATE OF MISSOURI
GARRETT D. WAGNER
Camp Clark Sewer
NUMBER PE-2019000226
3/26/24
PROFESSIONAL ENGINEER

ALLGEIER, MARTIN and ASSOCIATES, INC.
CONSULTING ENGINEERS AND SURVEYORS
7233 EAST 26th STREET JOPLIN, MISSOURI 64804 (417) 680-7350

OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT,
DESIGN AND CONSTRUCTION

MISSOURI
NATIONAL GUARD

CONNECT CAMP CLARK
TO CITY OF NEVADA
SEWER SYSTEM

CAMP CLARK

NEVADA, MISSOURI

PROJECT # T2301-02
SITE # 6274
ASSET # 8136274075

REVISION: EASEMENTS
DATE: 03-26-2024
REVISION:
DATE:
REVISION:
DATE:
ISSUE DATE: 06/14/2024

CAD DWG FILE:
DRAWN BY: AWW
CHECKED BY: SCW
DESIGNED BY: GDW

SHEET TITLE:
PRESSURE SEWER
PLAN & PROFILE

SHEET NUMBER:
C-104

6 OF 23 SHEETS

LEGEND

UGE	EXISTING UNDERGROUND ELECTRIC	X	PROPOSED FENCE	950	PROPOSED MAJOR CONTOURS	EXISTING PIPE POST	EXISTING WATER METER
X	EXISTING FENCE	S	PROPOSED GRAVITY SEWER	CO	EXISTING CLEANOUT	EXISTING LIGHT POLE	EXISTING WATER VAVLE
F/O	EXISTING FIBER OPTIC	PS	PROPOSED PRESSURE SEWER		CONTROL POINT	EXISTING POWER POLE	EXISTING WATER HYDRANT
GAS	EXISTING GAS		PROPOSED TEMPORARY EASEMENT		EXISTING FIRE HYDRANT	EXISTING RW MARKER	PROPOSED MANHOLE
S	EXISTING SEWER		PROPOSED PERMANENT EASEMENT		EXISTING GAS METER	EXISTING SIGN	PROPOSED AIR RELEASE VALVE
UGT	EXISTING UNDERGROUND TELEPHONE	951	EXISTING MINOR CONTOURS		EXISTING GAS VALVE	EXISTING TELEPEDESTAL	
	EXISTING RIGHT OF WAY	950	EXISTING MAJOR CONTOURS		EXISTING IRON PIN	EXISTING TREE	
	EXISTING SECTION LINE	951	PROPOSED MINOR CONTOURS		EXISTING MAILBOX	EXISTING SHRUB	
W	EXISTING WATERLINE			M	EXISTING MANHOLE		

EASEMENT NOTE;

SANITARY SEWER EASEMENTS HAVE NOT BEEN OBTAINED DUE TO THE PROPOSED PRESSURE SEWER PIPE AND LIFT STATION BEING LOCATED ON FEDERAL PROPERTY THAT IS COVERED IN ARMY REGULATION (AR 405-80) GRANTING ACCESS FOR ALL QUALIFYING UTILITIES.

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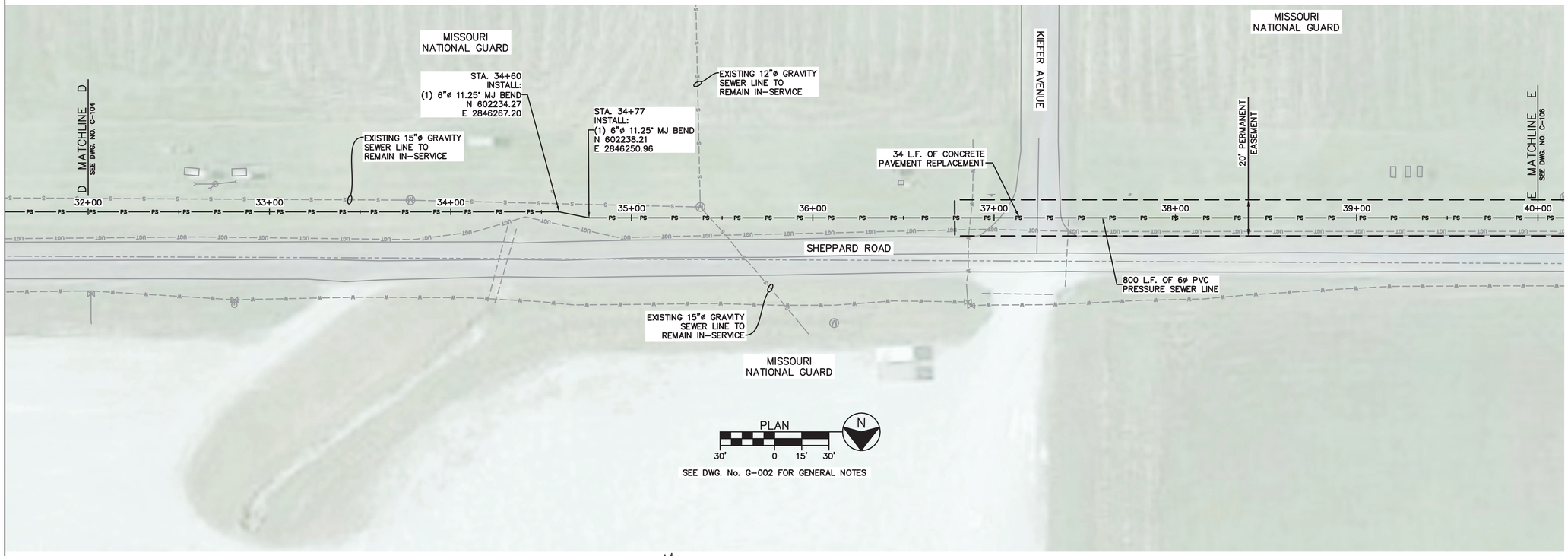
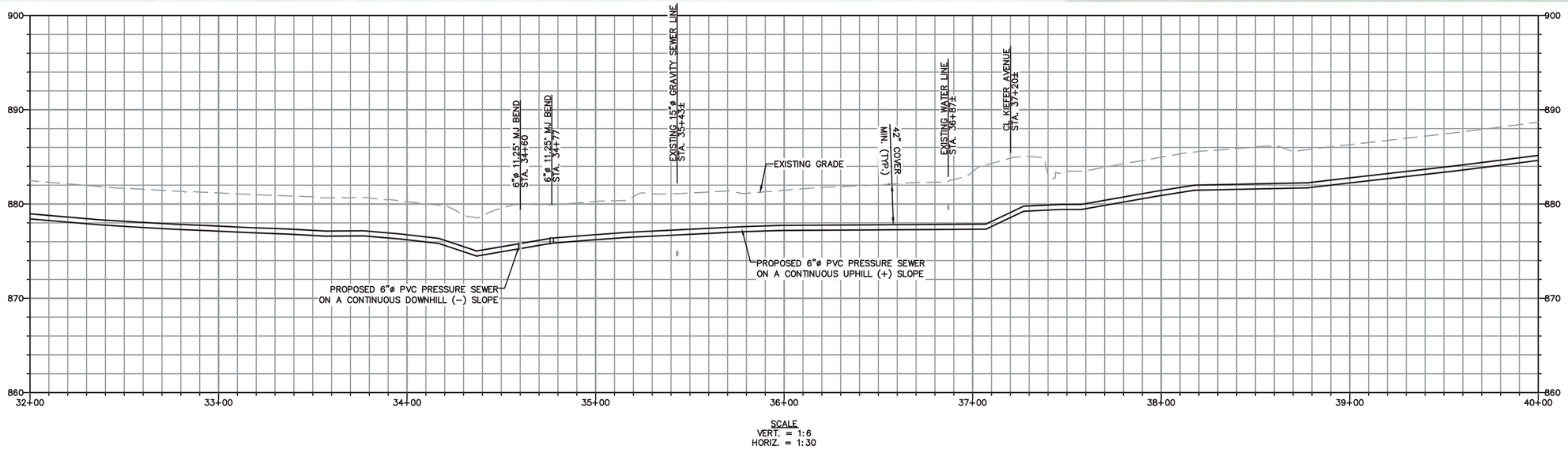


SEE DWG. No. G-002 FOR GENERAL NOTES



SCALE
VERT. = 1:6
HORIZ. = 1:30

STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR

CIVIL ENGINEER: GARRETT D. WAGNER
LICENSE NO. PE-2019000226

STATE OF MISSOURI
GARRETT D. WAGNER
Camp Clark Sewer
NUMBER PE-2019000226
5/3/24
PROFESSIONAL ENGINEER

ALLGEIER, MARTIN and ASSOCIATES, INC.
CONSULTING ENGINEERS AND SURVEYORS
7233 EAST 2nd STREET JOPLIN, MISSOURI 64804 (417) 680-7200

OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES
MANAGEMENT,
DESIGN AND CONSTRUCTION

MISSOURI NATIONAL GUARD

CONNECT CAMP CLARK TO CITY OF NEVADA SEWER SYSTEM

CAMP CLARK

NEVADA, MISSOURI

PROJECT # T2301-02
SITE # 6274
ASSET # 8136274075

REVISION: EASEMENTS
DATE: 03-26-2024
REVISION: REMOVE TEMP EASEMENT
DATE: 05-03-2024
REVISION:
DATE:
ISSUE DATE: 06/14/2024

CAD DWG FILE:
DRAWN BY: AWW
CHECKED BY: SCW
DESIGNED BY: GDW

SHEET TITLE:

PRESSURE SEWER PLAN & PROFILE

SHEET NUMBER:

C-105

7 OF 23 SHEETS

LEGEND

UGE	EXISTING UNDERGROUND ELECTRIC	X	PROPOSED FENCE	950	PROPOSED MAJOR CONTOURS	EXISTING PIPE POST	EXISTING WATER METER
X	EXISTING FENCE	S	PROPOSED GRAVITY SEWER	CO	EXISTING CLEANOUT	EXISTING LIGHT POLE	EXISTING WATER VAVLE
F/O	EXISTING FIBER OPTIC	PS	PROPOSED PRESSURE SEWER		CONTROL POINT	EXISTING POWER POLE	EXISTING WATER HYDRANT
GAS	EXISTING GAS		PROPOSED TEMPORARY EASEMENT		EXISTING FIRE HYDRANT	EXISTING RW MARKER	PROPOSED MANHOLE
S	EXISTING SEWER		PROPOSED PERMANENT EASEMENT		EXISTING GAS METER	EXISTING SIGN	PROPOSED AIR RELEASE VALVE
UGT	EXISTING UNDERGROUND TELEPHONE	951	EXISTING MINOR CONTOURS		EXISTING GAS VALVE	EXISTING TELEPEDESTAL	
	EXISTING RIGHT OF WAY	950	EXISTING MAJOR CONTOURS		EXISTING IRON PIN	EXISTING TREE	PROPOSED VALVE
	EXISTING SECTION LINE	951	PROPOSED MINOR CONTOURS		EXISTING MAILBOX		
W	EXISTING WATERLINE			M	EXISTING MANHOLE	EXISTING SHRUB	

PRESSURE SEWER NOTES:

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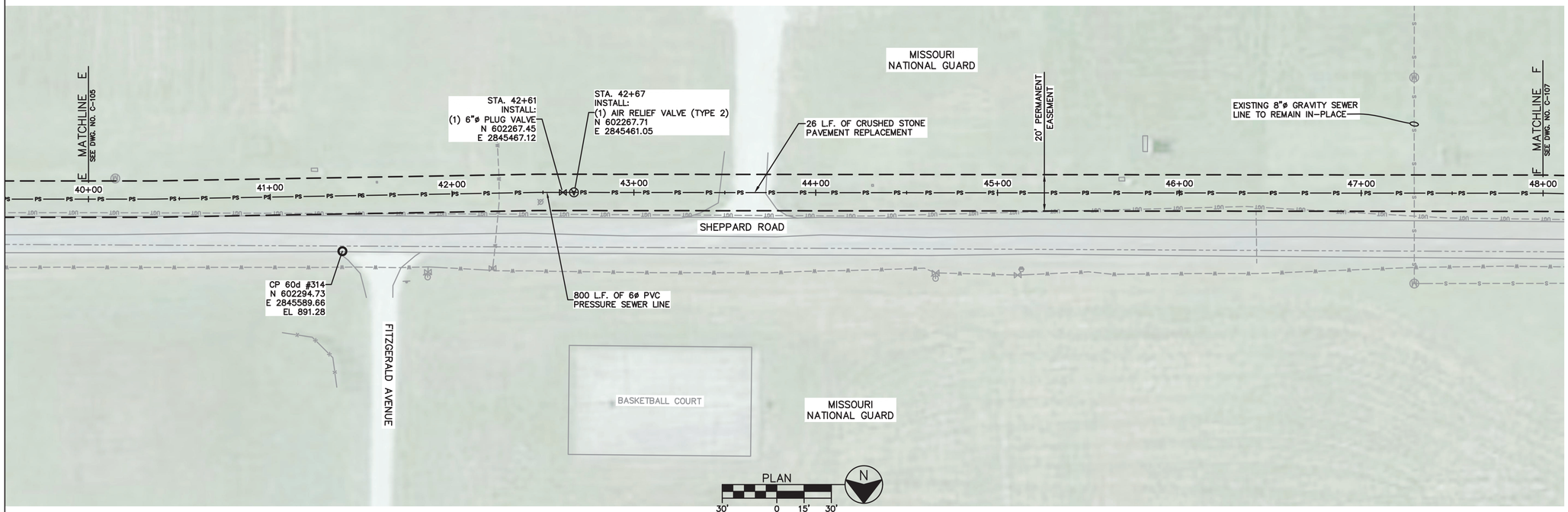
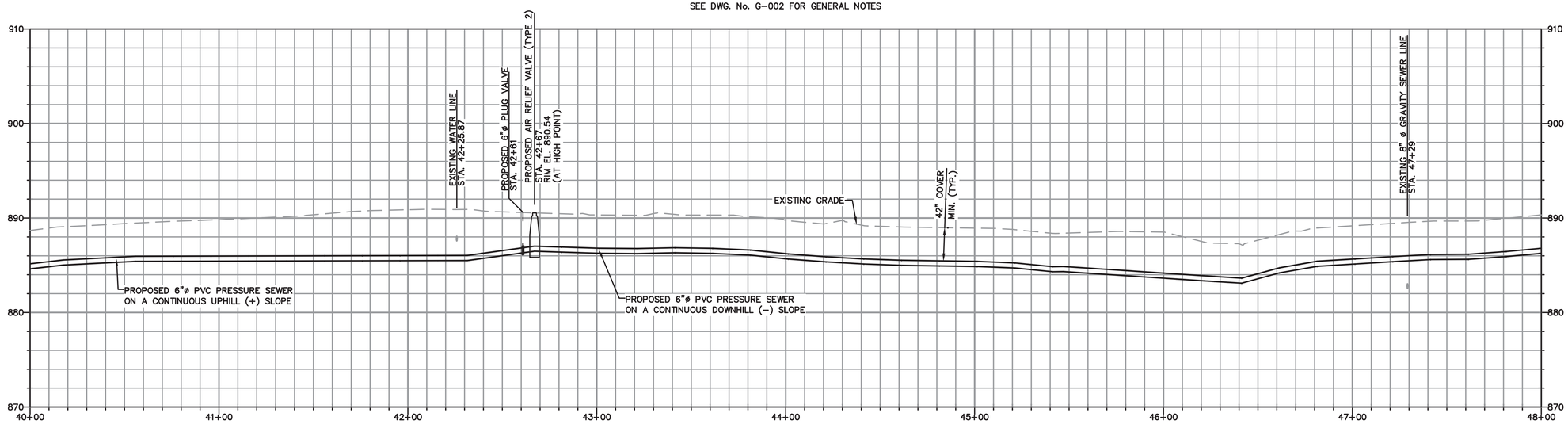


SEE DWG. No. G-002 FOR GENERAL NOTES



SCALE
VERT. = 1:6
HORIZ. = 1:30

STATE OF MISSOURI
MICHAEL L. PARSON, GOVERNOR

CIVIL ENGINEER: GARRETT D. WAGNER
LICENSE NO. PE-2019000226

STATE OF MISSOURI
GARRETT D. WAGNER
Camp Clark Sewer
NUMBER PE-2019000226
5/3/24
PROFESSIONAL ENGINEER

ALLGEIER, MARTIN and ASSOCIATES, INC.
CONSULTING ENGINEERS AND SURVEYORS
7231 EAST 2nd STREET JOPLIN, MISSOURI 64804 (417) 680-7200

OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT,
DESIGN AND CONSTRUCTION

MISSOURI NATIONAL GUARD

CONNECT CAMP CLARK TO CITY OF NEVADA SEWER SYSTEM

CAMP CLARK

NEVADA, MISSOURI

PROJECT # T2301-02
SITE # 6274
ASSET # 8136274075

REVISION: REMOVE TEMP EASEMENT
DATE: 05-03-2024
REVISION:
DATE:
REVISION:
DATE:
ISSUE DATE: 06/14/2024

CAD DWG FILE:
DRAWN BY: AWW
CHECKED BY: SCW
DESIGNED BY: GDW

SHEET TITLE:

PRESSURE SEWER PLAN & PROFILE

SHEET NUMBER:

C-106

8 OF 23 SHEETS

LEGEND

UGE	EXISTING UNDERGROUND ELECTRIC	PROPOSED FENCE	950	PROPOSED MAJOR CONTOURS		EXISTING PIPE POST	EXISTING WATER METER
X	EXISTING FENCE	PROPOSED GRAVITY SEWER	CO	EXISTING CLEANOUT		EXISTING LIGHT POLE	EXISTING WATER VAVLE
F/O	EXISTING FIBER OPTIC	PROPOSED PRESSURE SEWER		CONTROL POINT		EXISTING POWER POLE	EXISTING WATER HYDRANT
GAS	EXISTING GAS	PROPOSED TEMPORARY EASEMENT		EXISTING FIRE HYDRANT		EXISTING RW MARKER	PROPOSED MANHOLE
S	EXISTING SEWER	PROPOSED PERMANENT EASEMENT		EXISTING GAS METER		EXISTING SIGN	PROPOSED AIR RELEASE VALVE
UGT	EXISTING UNDERGROUND TELEPHONE	951 EXISTING MINOR CONTOURS		EXISTING GAS VALVE		EXISTING TELEPEDESTAL	
	EXISTING RIGHT OF WAY	950 EXISTING MAJOR CONTOURS		EXISTING IRON PIN		EXISTING TREE	
	EXISTING SECTION LINE	951 PROPOSED MINOR CONTOURS		EXISTING MAILBOX			
W	EXISTING WATERLINE		M	EXISTING MANHOLE		EXISTING SHRUB	

PRESSURE SEWER NOTES:

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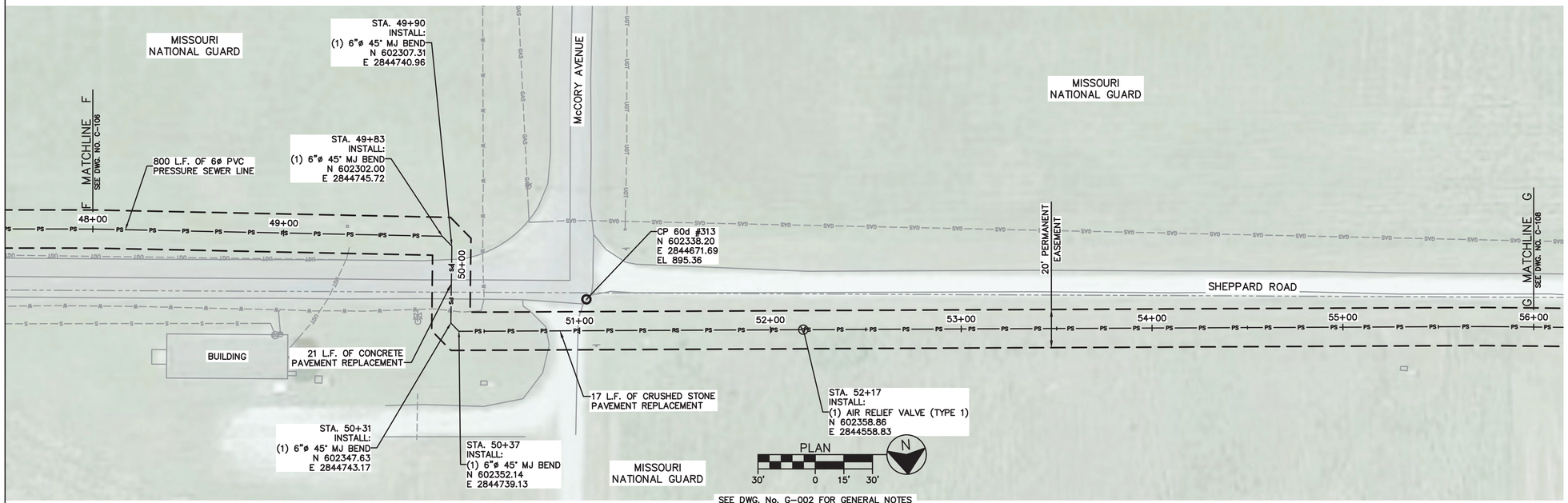
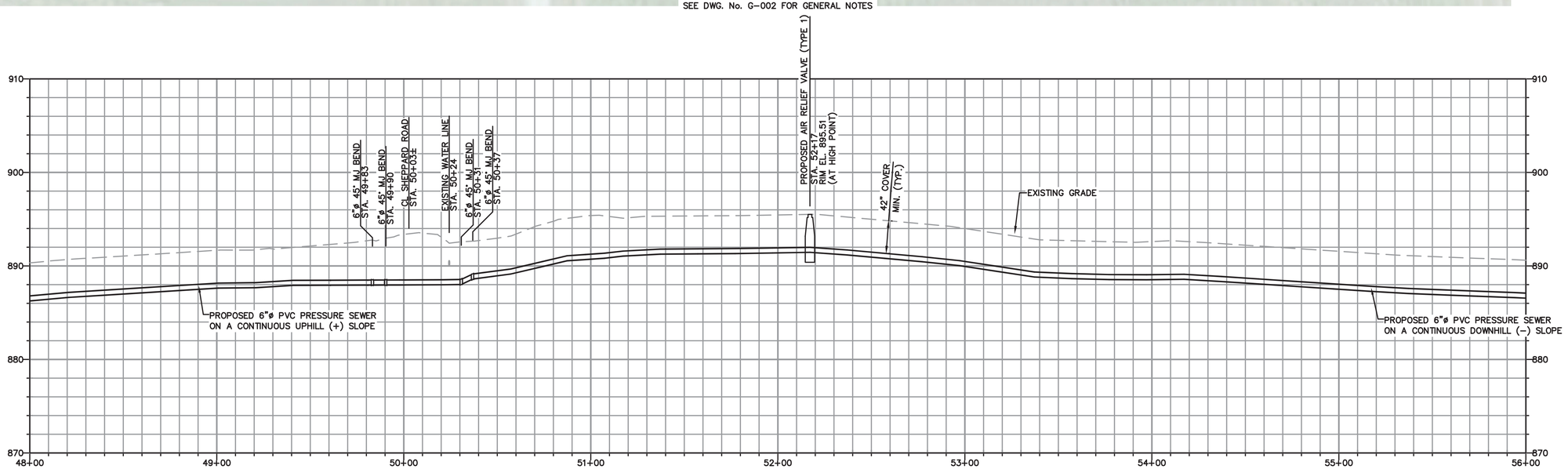


SEE DWG. No. G-002 FOR GENERAL NOTES



SCALE
VERT. = 1:6
HORIZ. = 1:30

STATE OF MISSOURI
MICHAEL L. PARSON, GOVERNOR

CIVIL ENGINEER: GARRETT D. WAGNER
LICENSE NO. PE-2019000226

STATE OF MISSOURI — GARRETT D. WAGNER — Camp Clark Sewer — NUMBER PE-2019000226 — 5/3/24 — PROFESSIONAL ENGINEER

ALLGEIER, MARTIN and ASSOCIATES, INC.
CONSULTING ENGINEERS and SURVEYORS
7233 EAST 2nd STREET JOPLIN, MISSOURI 64804 (417) 680-7350

OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION

MISSOURI NATIONAL GUARD

CONNECT CAMP CLARK TO CITY OF NEVADA SEWER SYSTEM

CAMP CLARK

NEVADA, MISSOURI

PROJECT # T2301-02
SITE # 6274
ASSET # 8136274075

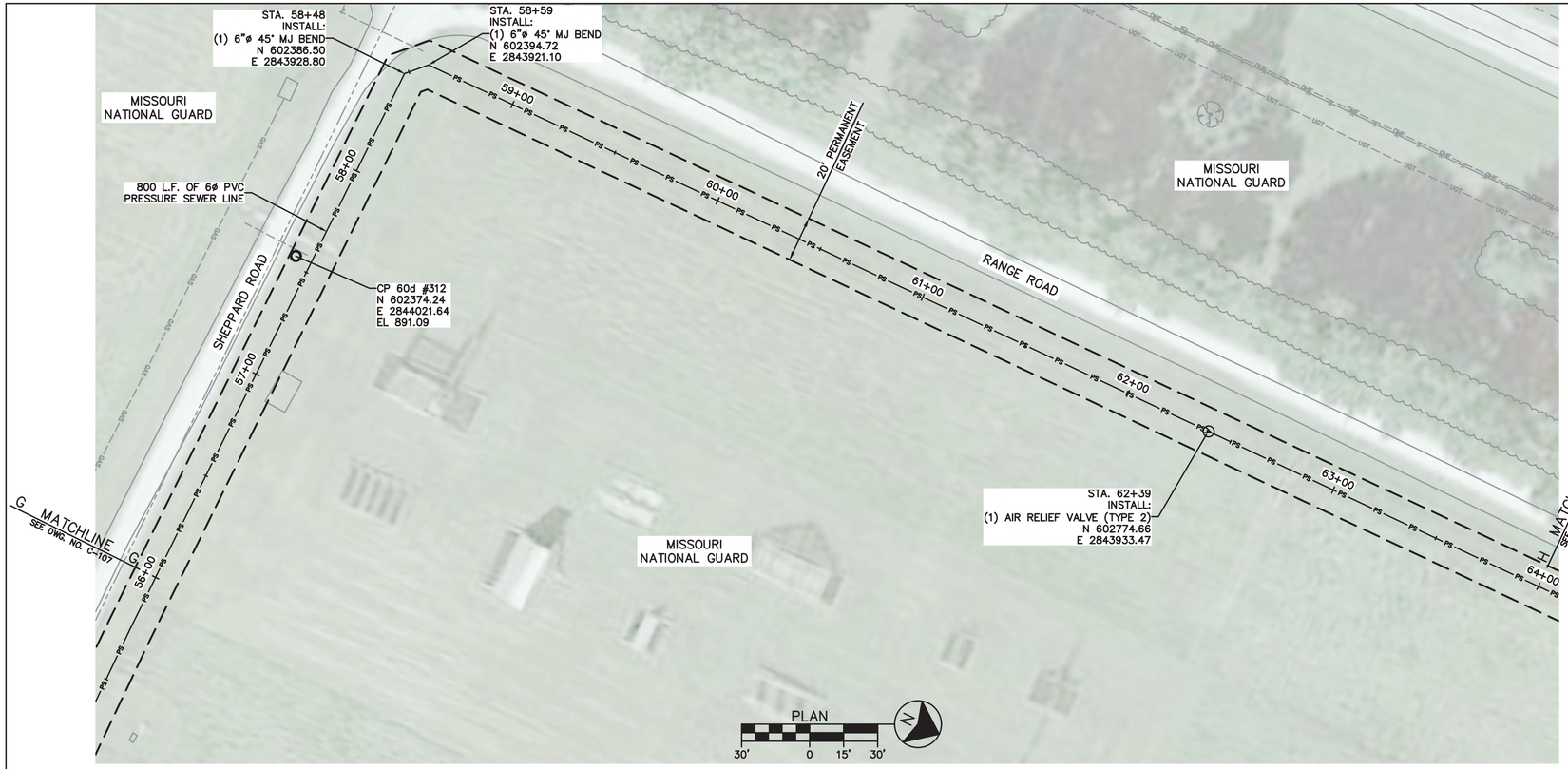
REVISION: REMOVE TEMP EASEMENT
DATE: 05-03-2024
REVISION:
DATE:
REVISION:
DATE:
ISSUE DATE: 06/14/2024

CAD DWG FILE:
DRAWN BY: AWW
CHECKED BY: SCW
DESIGNED BY: GDW

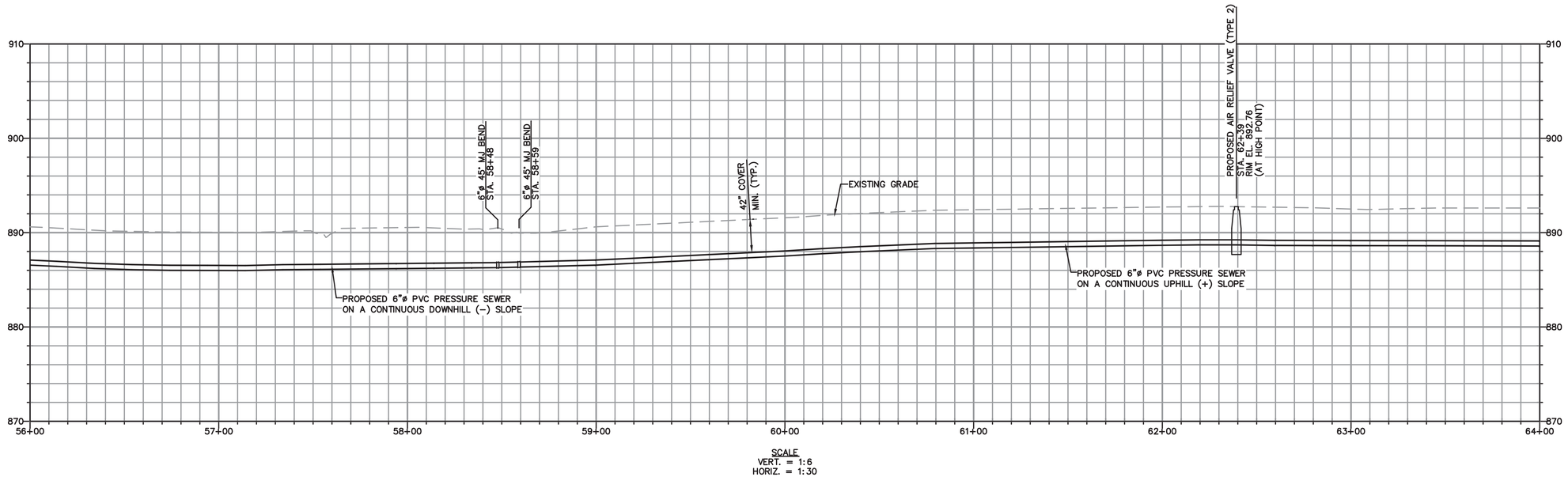
SHEET TITLE:
PRESSURE SEWER PLAN & PROFILE

SHEET NUMBER:
C-107

9 OF 23 SHEETS



SEE DWG. No. G-002 FOR GENERAL NOTES



SCALE
VERT. = 1:6
HORIZ. = 1:30

PRESSURE SEWER NOTES:

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2. PRESSURE SEWER LINE SHALL BE INSTALLED WITH A MINIMUM OF 42" OF COVER OVER TOP OF PIPE.

LEGEND

EXISTING UNDERGROUND ELECTRIC	EXISTING FIRE HYDRANT
EXISTING FENCE	EXISTING GAS METER
EXISTING FIBER OPTIC	EXISTING GAS VALVE
EXISTING GAS	EXISTING IRON PIN
EXISTING SEWER	EXISTING MAILBOX
EXISTING UNDERGROUND TELEPHONE	EXISTING MANHOLE
EXISTING RIGHT OF WAY	EXISTING PIPE POST
EXISTING SECTION LINE	EXISTING LIGHT POLE
EXISTING WATERLINE	EXISTING POWER POLE
PROPOSED FENCE	EXISTING RW MARKER
PROPOSED GRAVITY SEWER	EXISTING SIGN
PROPOSED PRESSURE SEWER	EXISTING TELEPEDESTAL
PROPOSED TEMPORARY EASEMENT	EXISTING TREE
PROPOSED PERMANENT EASEMENT	EXISTING SHRUB
EXISTING MINOR CONTOURS	EXISTING WATER METER
EXISTING MAJOR CONTOURS	EXISTING WATER VAVLE
PROPOSED MINOR CONTOURS	EXISTING WATER HYDRANT
PROPOSED MAJOR CONTOURS	PROPOSED MANHOLE
EXISTING CLEANOUT	PROPOSED AIR RELEASE VALVE
CONTROL POINT	

STATE OF MISSOURI
MICHAEL L. PARSON, GOVERNOR

CIVIL ENGINEER: GARRETT D. WAGNER
LICENSE NO. PE-2019000226

STATE OF MISSOURI
GARRETT D. WAGNER
Camp Clark Sewer
NUMBER PE-2019000226
5/3/24
PROFESSIONAL ENGINEER

ALLGEIER, MARTIN and ASSOCIATES, INC.
CIVIL CONSULTING ENGINEERS AND SURVEYORS
7233 EAST 2ND STREET JOPLIN, MISSOURI 64804 (417) 680-7200

OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT,
DESIGN AND CONSTRUCTION

MISSOURI
NATIONAL GUARD

CONNECT CAMP CLARK
TO CITY OF NEVADA
SEWER SYSTEM

CAMP CLARK

NEVADA, MISSOURI

PROJECT # T2301-02
SITE # 6274
ASSET # 8136274075

REVISION: REMOVE TEMP EASEMENT
DATE: 05-03-2024
REVISION:
DATE:
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DATE:
ISSUE DATE: 06/14/2024

CAD DWG FILE:
DRAWN BY: AWW
CHECKED BY: SCW
DESIGNED BY: GDW

SHEET TITLE:
PRESSURE SEWER PLAN & PROFILE

SHEET NUMBER:
C-108
10 OF 23 SHEETS

LEGEND

UGE	EXISTING UNDERGROUND ELECTRIC	X X X	PROPOSED FENCE	950	PROPOSED MAJOR CONTOURS	EXISTING PIPE POST	EXISTING WATER METER
X X X	EXISTING FENCE	S S	PROPOSED GRAVITY SEWER	CO	EXISTING CLEANOUT	EXISTING LIGHT POLE	EXISTING WATER VAVLE
F/O	EXISTING FIBER OPTIC	PS PS	PROPOSED PRESSURE SEWER		CONTROL POINT	EXISTING POWER POLE	EXISTING WATER HYDRANT
GAS	EXISTING GAS		PROPOSED TEMPORARY EASEMENT		EXISTING FIRE HYDRANT	EXISTING RW MARKER	PROPOSED MANHOLE
S	EXISTING SEWER		PROPOSED PERMANENT EASEMENT		EXISTING GAS METER	EXISTING SIGN	PROPOSED AIR RELEASE VALVE
UGT	EXISTING UNDERGROUND TELEPHONE	951	EXISTING MINOR CONTOURS		EXISTING GAS VALVE	EXISTING TELEPEDESTAL	
	EXISTING RIGHT OF WAY	950	EXISTING MAJOR CONTOURS		EXISTING IRON PIN	EXISTING TREE	
	EXISTING SECTION LINE	951	PROPOSED MINOR CONTOURS		EXISTING MAILBOX		
W	EXISTING WATERLINE			M	EXISTING MANHOLE	EXISTING SHRUB	

PRESSURE SEWER NOTES:

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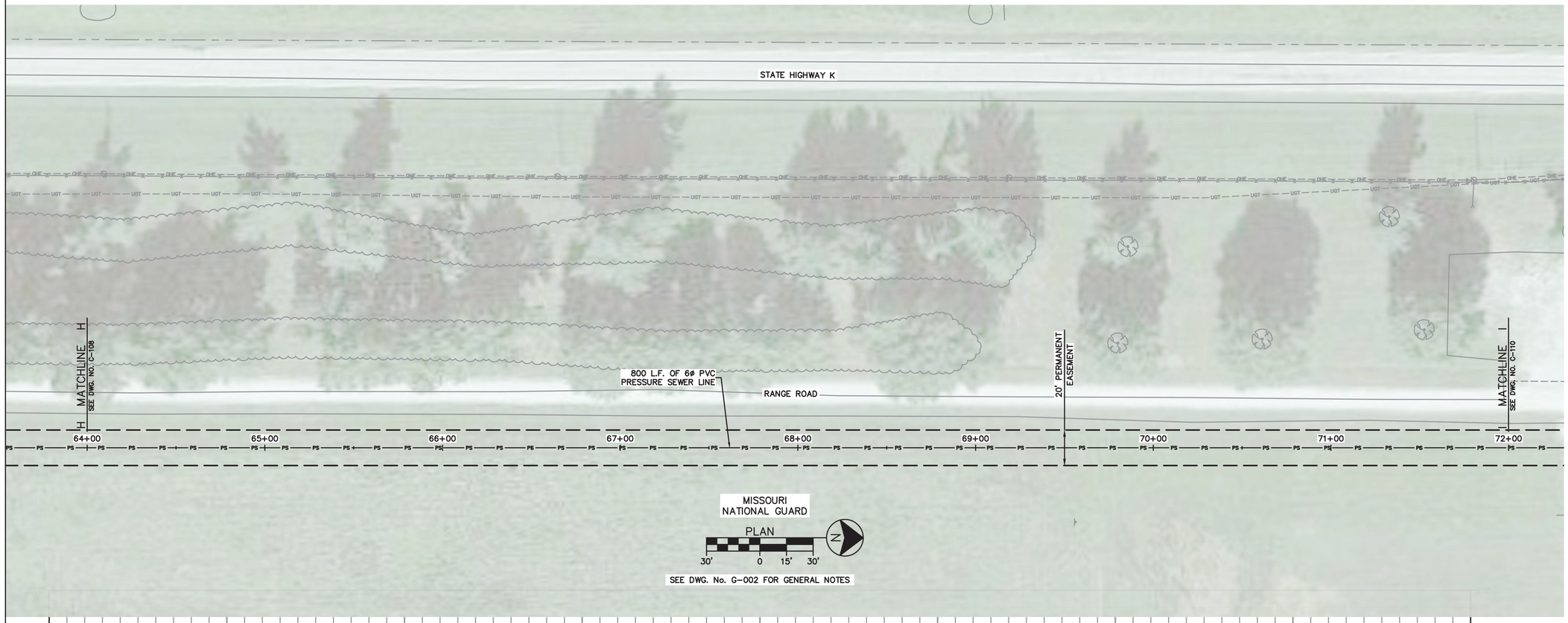
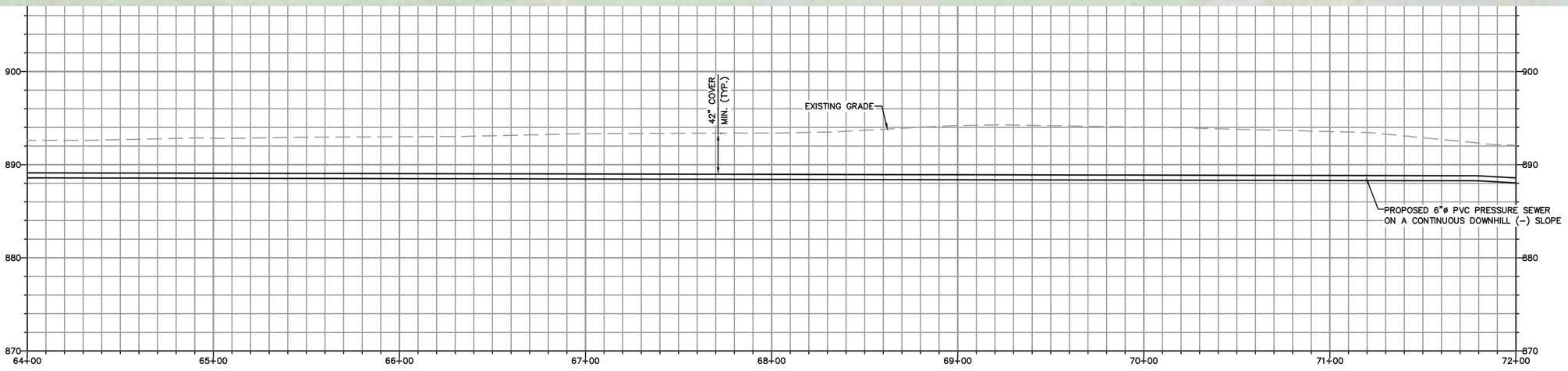




SCALE
VERT. = 1:6
HORIZ. = 1:30

STATE OF MISSOURI
MICHAEL L. PARSON, GOVERNOR

CIVIL ENGINEER: GARRETT D. WAGNER
LICENSE NO. PE-2019000226

STATE OF MISSOURI
GARRETT D. WAGNER
Camp Clark Sewer
NUMBER PE-2019000226
5/3/24
PROFESSIONAL ENGINEER

ALLGEIER, MARTIN and ASSOCIATES, INC.
CONSULTING ENGINEERS AND SURVEYORS
7231 EAST 2ND STREET JOPLIN, MISSOURI 64804 (417) 680-7350

OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT,
DESIGN AND CONSTRUCTION

MISSOURI
NATIONAL GUARD

CONNECT CAMP CLARK
TO CITY OF NEVADA
SEWER SYSTEM

CAMP CLARK

NEVADA, MISSOURI

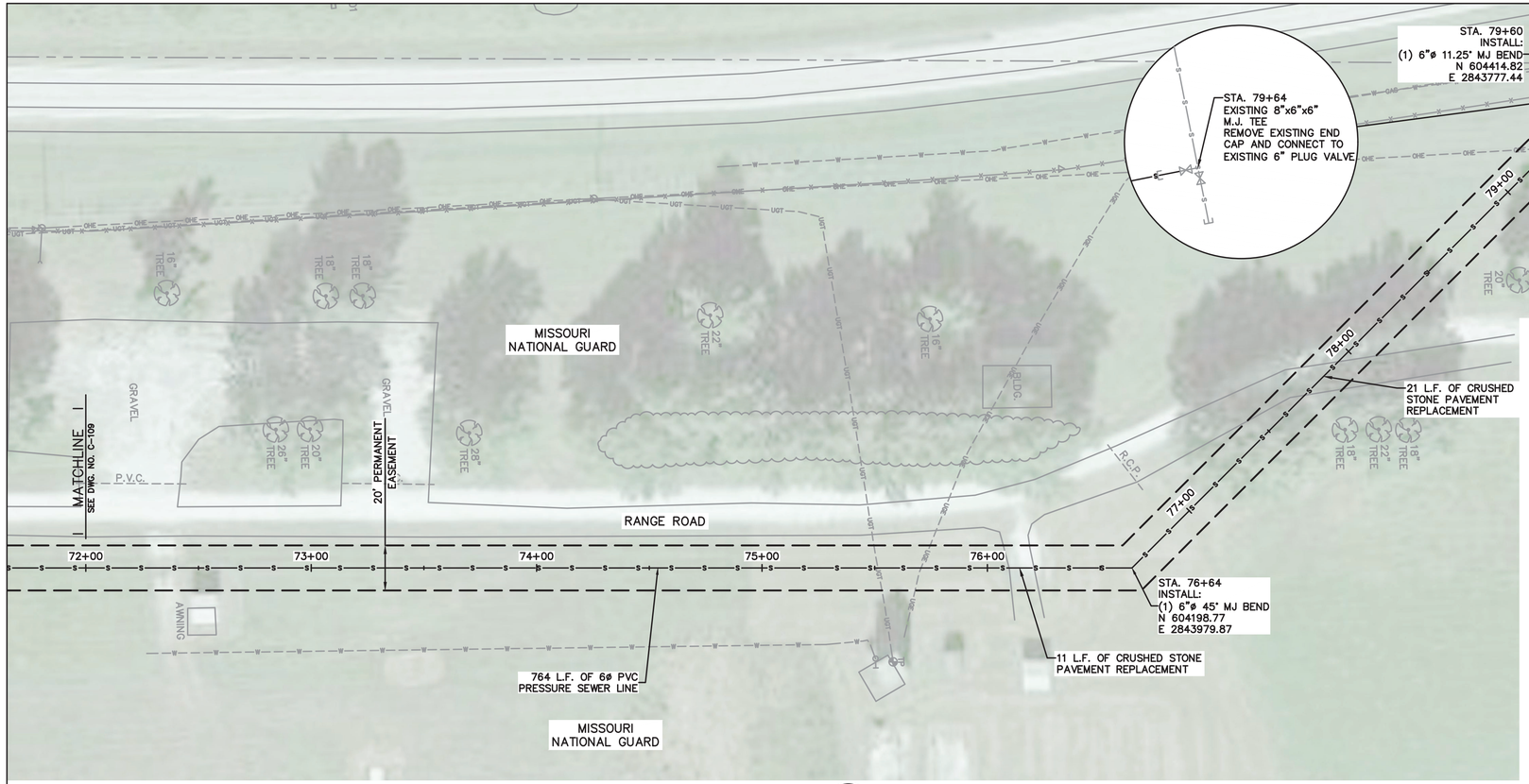
PROJECT # T2301-02
SITE # 6274
ASSET # 8136274075

REVISION: REMOVE TEMP EASEMENT
DATE: 05-03-2024
REVISION:
DATE:
REVISION:
DATE:
ISSUE DATE: 06/14/2024

CAD DWG FILE:
DRAWN BY: AWW
CHECKED BY: SCW
DESIGNED BY: GDW

SHEET TITLE:
PRESSURE SEWER PLAN & PROFILE

SHEET NUMBER:
C-109
11 OF 23 SHEETS



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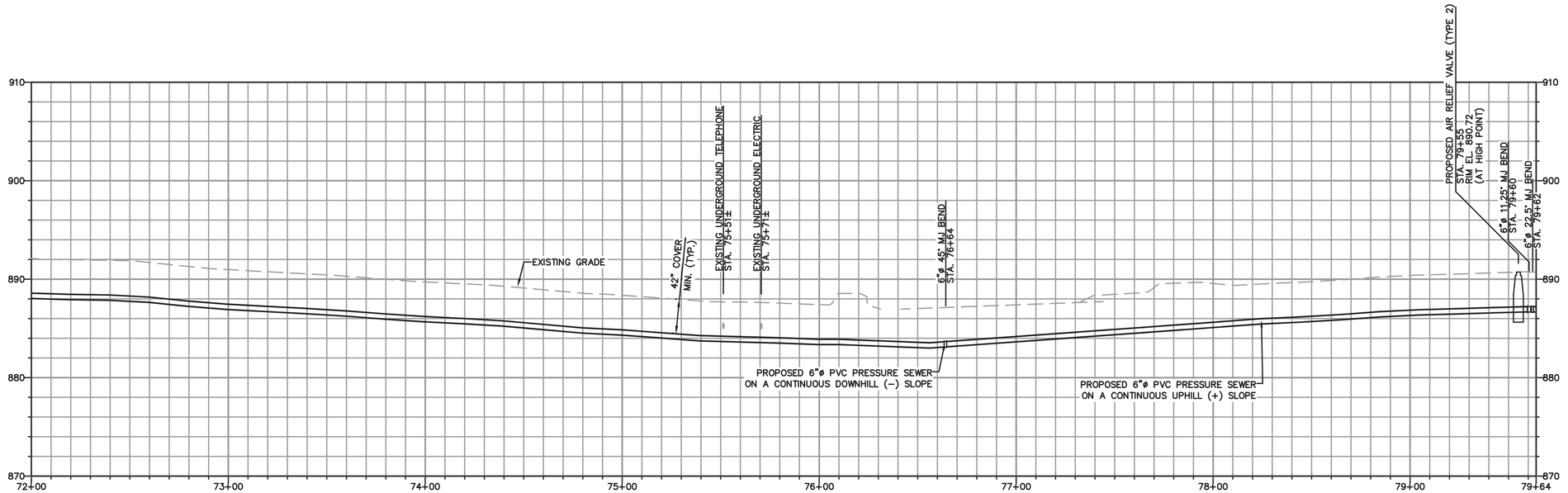
LEGEND

UGE	EXISTING UNDERGROUND ELECTRIC		EXISTING FIRE HYDRANT
X X X	EXISTING FENCE		EXISTING GAS METER
F/O	EXISTING FIBER OPTIC		EXISTING GAS VALVE
GAS	EXISTING GAS		EXISTING IRON PIN
S S	EXISTING SEWER		EXISTING MAILBOX
UGT	EXISTING UNDERGROUND TELEPHONE	M	EXISTING MANHOLE
	EXISTING RIGHT OF WAY		EXISTING PIPE POST
	EXISTING SECTION LINE		EXISTING LIGHT POLE
W W	EXISTING WATERLINE		EXISTING POWER POLE
X X X	PROPOSED FENCE		EXISTING RW MARKER
S S	PROPOSED GRAVITY SEWER		EXISTING SIGN
PS PS	PROPOSED PRESSURE SEWER	TP	EXISTING TELEPEDESTAL
	PROPOSED TEMPORARY EASEMENT		EXISTING TREE
	PROPOSED PERMANENT EASEMENT		EXISTING SHRUB
951	EXISTING MINOR CONTOURS		EXISTING WATER METER
950	EXISTING MAJOR CONTOURS		EXISTING WATER VAVLE
951	PROPOSED MINOR CONTOURS		EXISTING WATER HYDRANT
950	PROPOSED MAJOR CONTOURS	M	PROPOSED MANHOLE
CO	EXISTING CLEANOUT	A	PROPOSED AIR RELEASE VALVE
	CONTROL POINT		

PLAN

30' 0 15' 30'

SEE DWG. No. G-002 FOR GENERAL NOTES



SCALE
VERT. = 1:6
HORIZ. = 1:30

STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR

CIVIL ENGINEER: GARRETT D. WAGNER
LICENSE NO. PE-2019000226

STATE OF MISSOURI
GARRETT D. WAGNER
Camp Clark Sewer
NUMBER PE-2019000226
5/3/24
PROFESSIONAL ENGINEER

ALLGEIER, MARTIN and ASSOCIATES, INC.
CONSULTING ENGINEERS and SURVEYORS
7101 EAST 2nd STREET JOPLIN, MISSOURI 64804 (417) 680-7200

OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES
MANAGEMENT,
DESIGN AND CONSTRUCTION

MISSOURI
NATIONAL GUARD

CONNECT CAMP CLARK
TO CITY OF NEVADA
SEWER SYSTEM

CAMP CLARK

NEVADA, MISSOURI

PROJECT # T2301-02
SITE # 6274
ASSET # 8136274075

REVISION: REMOVE TEMP EASEMENT
DATE: 05-03-2024
REVISION:
DATE:
REVISION:
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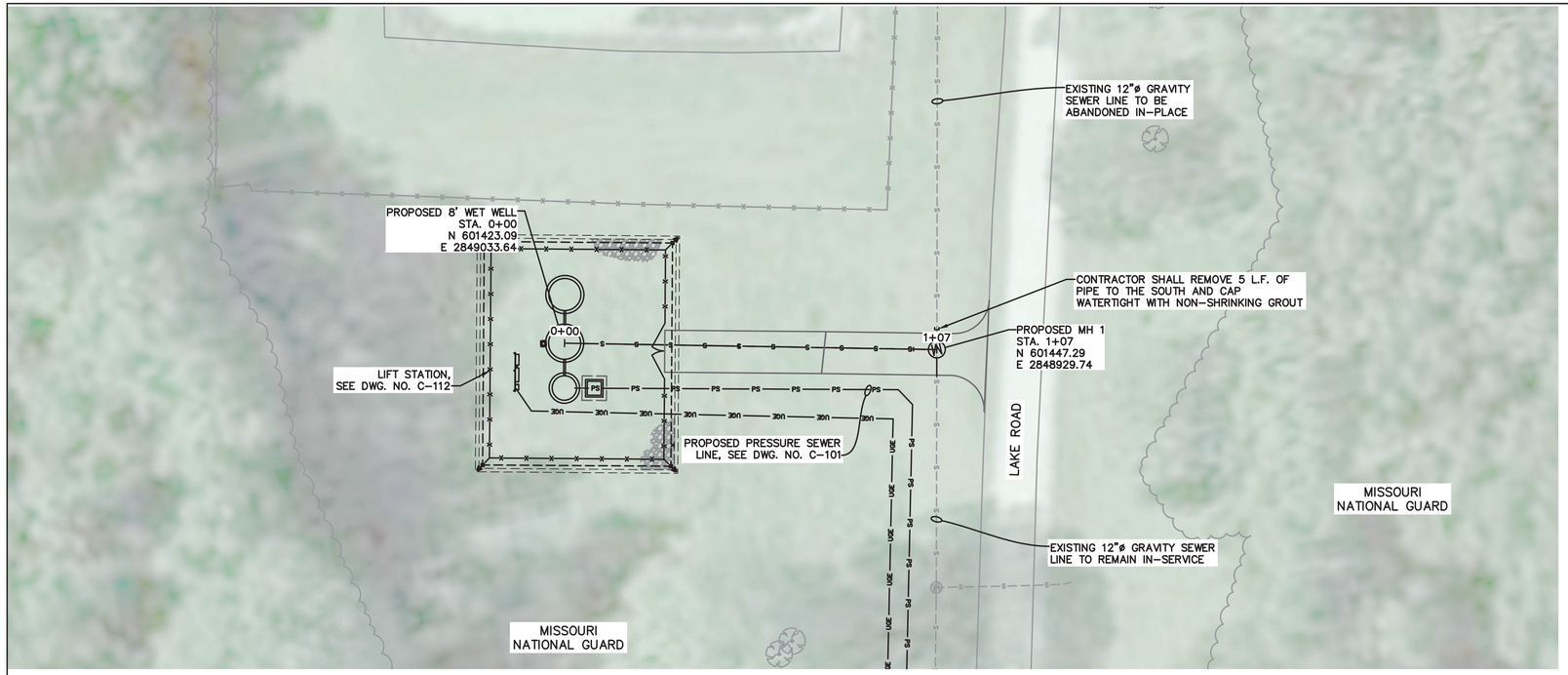
ISSUE DATE: 06/14/2024

CAD DWG FILE:
DRAWN BY: AWW
CHECKED BY: SCW
DESIGNED BY: GDW

SHEET TITLE:
PRESSURE SEWER
PLAN & PROFILE

SHEET NUMBER:
C-110

12 OF 23 SHEETS



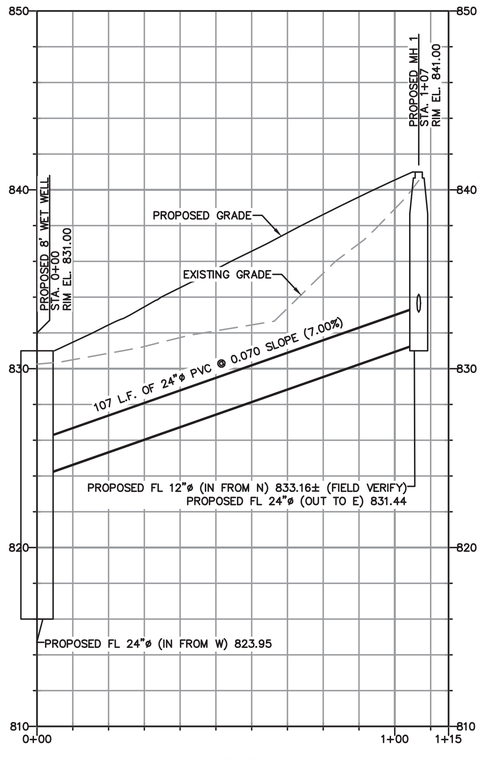
LEGEND

UGE	EXISTING UNDERGROUND ELECTRIC		EXISTING FIRE HYDRANT
X	EXISTING FENCE		EXISTING GAS METER
F/O	EXISTING FIBER OPTIC		EXISTING GAS VALVE
GAS	EXISTING GAS		EXISTING IRON PIN
S	EXISTING GRAVITY SEWER		EXISTING MAILBOX
UGT	EXISTING UNDERGROUND TELEPHONE	M	EXISTING MANHOLE
	EXISTING RIGHT OF WAY		EXISTING PIPE POST
	EXISTING SECTION LINE		EXISTING LIGHT POLE
W	EXISTING WATERLINE		EXISTING POWER POLE
X	PROPOSED FENCE		EXISTING RW MARKER
S	PROPOSED SEWER		EXISTING SIGN
PS	PROPOSED PRESSURE SEWER	TP	EXISTING TELEPEDESTAL
	PROPOSED TEMPORARY EASEMENT		EXISTING TREE
	PROPOSED PERMANENT EASEMENT		EXISTING SHRUB
951	EXISTING MINOR CONTOURS		EXISTING WATER METER
950	EXISTING MAJOR CONTOURS		EXISTING WATER VAVLE
951	PROPOSED MINOR CONTOURS		EXISTING WATER HYDRANT
950	PROPOSED MAJOR CONTOURS	M	PROPOSED MANHOLE
CO	EXISTING CLEANOUT	A	PROPOSED AIR RELEASE VALVE
	CONTROL POINT		

GRAVITY SEWER LINE PLAN

20' 0 10' 20'

SEE DWG. No. G-002 FOR GENERAL NOTES



SCALE
VERT. = 1:6
HORIZ. = 1:30

EASEMENT NOTE:

SANITARY SEWER EASEMENTS HAVE NOT BEEN OBTAINED DUE TO THE PROPOSED PRESSURE SEWER PIPE AND LIFT STATION BEING LOCATED ON FEDERAL PROPERTY THAT IS COVERED IN ARMY REGULATION (AR 405-80) GRANTING ACCESS FOR ALL QUALIFYING UTILITIES.

STATE OF MISSOURI
MICHAEL L. PARSON, GOVERNOR

CIVIL ENGINEER: GARRETT D. WAGNER
LICENSE NO. PE-2019000226

STATE OF MISSOURI
GARRETT D. WAGNER
Camp Clark Sewer
NUMBER PE-2019000226
6/14/24
PROFESSIONAL ENGINEER

ALLGEIER, MARTIN and ASSOCIATES, INC.
CIVIL CONSULTING ENGINEERS AND SURVEYORS
7151 EAST 2nd STREET JOPLIN, MISSOURI 64804 (417) 680-7250

OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION

MISSOURI NATIONAL GUARD

CONNECT CAMP CLARK TO CITY OF NEVADA SEWER SYSTEM

CAMP CLARK

NEVADA, MISSOURI

PROJECT # T2301-02
SITE # 6274
ASSET # 8136274075

REVISION: EASEMENTS
DATE: 03-26-2024
REVISION: WET WELL SIZE
DATE: 06-05-2024
REVISION: ADD WET WELL/PIPE SIZE
DATE: 06-14-2024
ISSUE DATE: 06/14/2024

CAD DWG FILE:
DRAWN BY: AWW
CHECKED BY: SCW
DESIGNED BY: GDW

SHEET TITLE:

GRAVITY SEWER PLAN & PROFILE

SHEET NUMBER:

C-111

13 OF 23 SHEETS

EASEMENT NOTE:

SANITARY SEWER EASEMENTS HAVE NOT BEEN OBTAINED DUE TO THE PROPOSED PRESSURE SEWER PIPE AND LIFT STATION BEING LOCATED ON FEDERAL PROPERTY THAT IS COVERED IN ARMY REGULATION (AR 405-80) GRANTING ACCESS FOR ALL QUALIFYING UTILITIES.

EXISTING 12ø GRAVITY SEWER TO REMAIN IN PLACE

LAKE ROAD (GRAVEL)

PROPOSED PERMANENT EASEMENT

N 601461.61
E 2849012.81

LIMITS OF CRUSHED STONE PAVING

PROPOSED 6" PRESSURE SEWER, SEE DWG. NO. C-101

N 601439.16
E 2849007.81

PROPOSED 4'X4' FLOW METER BOX
N 601437.50
E 2849028.05

PROPOSED 6'ø VALVE PIT
N 601435.64
E 2849036.40

N 601450.72
E 2849061.61

PROPOSED CRUSHED STONE ACCESS DRIVE

PROPOSED 16' WIDE DOUBLE SWING GATE

PROPOSED 24" PVC GRAVITY SEWER, SEE DWG. NO. C-111

N 601423.54
E 2849004.32

PROPOSED ELECTRICAL EQUIPMENT RACK, SEE DWG. NO. E-101

PROPOSED 8'ø WET WELL
N 601423.09
E 2849033.64

16"x16"x12" NEMA 4X S.S. PULLBOX, SEE DWG. NO. E-103

EXISTING 12ø GRAVITY SEWER TO BE ABANDONED IN PLACE

N 601403.04
E 2848999.75

PROPOSED 6' CHAIN LINK FENCE WITH 3 STRAND BARBED WIRE ON TOP WITH 45° OUTRIGGERS (TYP.)
FENCING SHALL BE APPROXIMATELY 45'x50'

PROPOSED 8'ø SECONDARY WET WELL
N 601409.48
E 2849030.65

#2 BARE COPPER PERIMETER GROUND BURIED 30" DEEP AND ATTACHED TO GROUND RODS AND MAIN DISCONNECT

N 601392.16
E 2849048.55

CONTRACTOR SHALL INSTALL 4" THICK CRUSHED STONE SURFACING (EXTENDING 3' BEYOND FENCE) OVER APPROVED SYNTHETIC WEED BARRIER

50'

60'

EXISTING NORTH LAGOON

PLAN

10' 0 5' 10'

N

SEE DWG. No. G-002 FOR GENERAL NOTES

LEGEND

EXISTING UNDERGROUND ELECTRIC	EXISTING FIRE HYDRANT
EXISTING FENCE	EXISTING GAS METER
EXISTING FIBER OPTIC	EXISTING GAS VALVE
EXISTING GAS	EXISTING IRON PIN
EXISTING SEWER	EXISTING MAILBOX
EXISTING UNDERGROUND TELEPHONE	EXISTING MANHOLE
EXISTING RIGHT OF WAY	EXISTING PIPE POST
EXISTING SECTION LINE	EXISTING LIGHT POLE
EXISTING WATERLINE	EXISTING POWER POLE
PROPOSED FENCE	EXISTING RW MARKER
PROPOSED GRAVITY SEWER	EXISTING SIGN
PROPOSED PRESSURE SEWER	EXISTING TELEPEDESTAL
PROPOSED TEMPORARY EASEMENT	EXISTING TREE
PROPOSED PERMANENT EASEMENT	EXISTING SHRUB
EXISTING MINOR CONTOURS	EXISTING WATER METER
EXISTING MAJOR CONTOURS	EXISTING WATER VAVLE
PROPOSED MINOR CONTOURS	EXISTING WATER HYDRANT
PROPOSED MAJOR CONTOURS	PROPOSED MANHOLE
EXISTING CLEANOUT	PROPOSED AIR RELEASE VALVE
CONTROL POINT	

STATE OF MISSOURI
MICHAEL L. PARSON, GOVERNOR

CIVIL ENGINEER: GARRETT D. WAGNER
LICENSE NO. PE-2019000226

STATE OF MISSOURI
GARRETT D. WAGNER
Camp Clark Sewer
NUMBER PE-2019000226
6/14/24
PROFESSIONAL ENGINEER

ALLGEIER, MARTIN and ASSOCIATES, INC.
CONSULTING ENGINEERS, SURVEYORS & ENVIRONMENTAL SCIENTISTS
7233 EAST 2nd STREET JOPLIN, MISSOURI 64804 (417) 680-7200

OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT,
DESIGN AND CONSTRUCTION

MISSOURI
NATIONAL GUARD

CONNECT CAMP CLARK TO CITY OF NEVADA SEWER SYSTEM

CAMP CLARK

NEVADA, MISSOURI

PROJECT # T2301-02
SITE # 6274
ASSET # 8136274075

REVISION: EASEMENTS
DATE: 03-26-2024
REVISION: WET WELL SIZE
DATE: 06-05-2024
REVISION: ADD WET WELL
DATE: 06-14-2024
ISSUE DATE: 06/14/2024

CAD DWG FILE:
DRAWN BY: AWW
CHECKED BY: SCW
DESIGNED BY: GDW

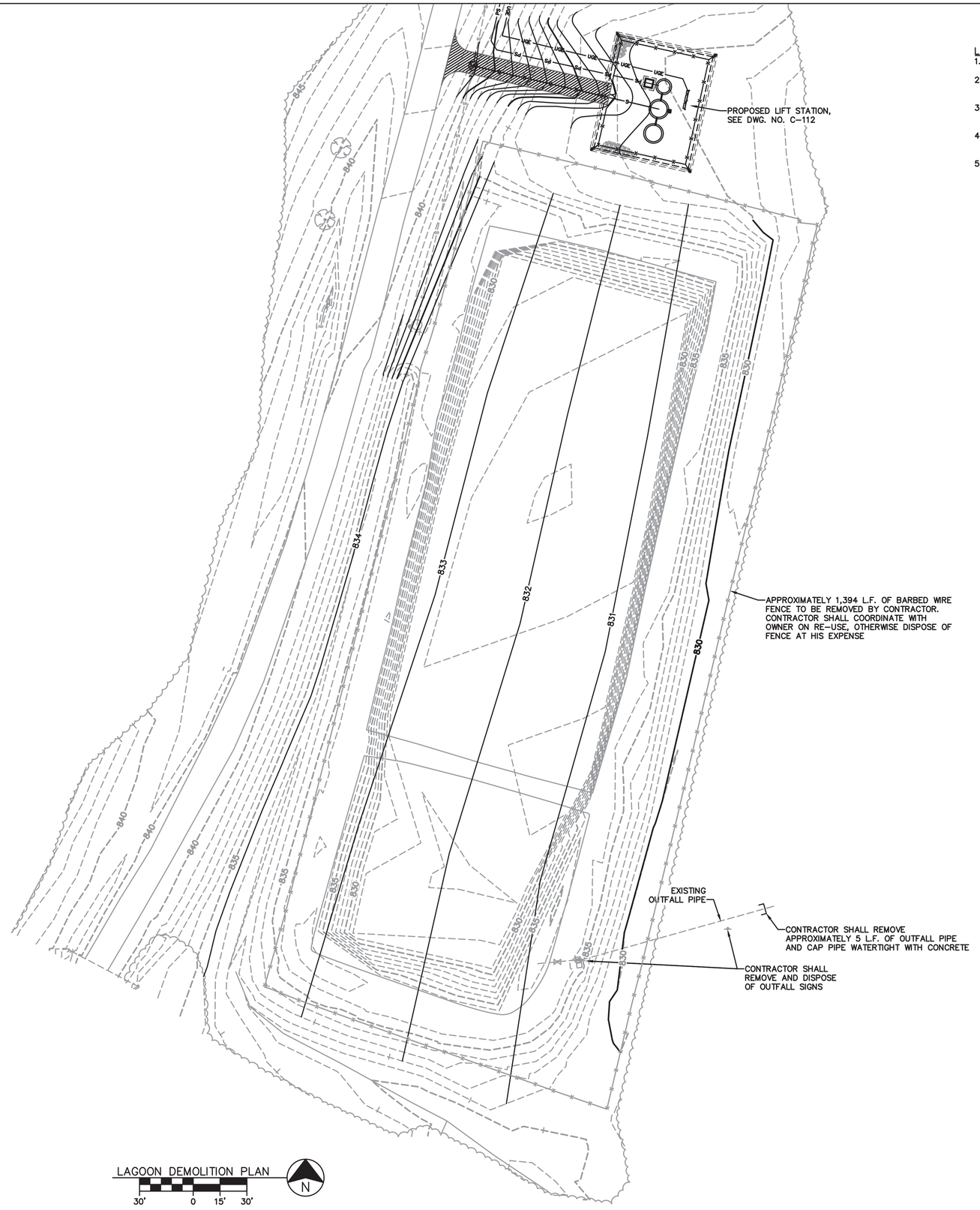
SHEET TITLE:

LIFT STATION SITE PLAN

SHEET NUMBER:

C-112

14 OF 23 SHEETS



LAGOON CLOSURE NOTES:

1. LAGOON SHALL BE CLOSED PER SPECIFICATION 312305.
2. CONTRACTOR SHALL REMOVE AND DISPOSE OF LAGOON LINERS, PIPING, BAFFLES, AERATORS, ELECTRICAL EQUIPMENT AND OTHER ABOVE GROUND STRUCTURES.
3. CONTRACTOR SHALL DEMOLISH BERMS AND GRADE SITE TO THE ELEVATIONS SHOWN HEREON. SITE SHALL BE SEEDED AND MULCHED AFTER FINAL GRADING.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR THE FINAL ESTIMATION OF ALL EARTHWORK QUANTITIES AND ASSOCIATED COSTS PRIOR TO BID SUBMISSION.
5. IT IS INTENDED THAT CUTS AND FILLS WILL BE BALANCED WITH ON-SITE MATERIALS WHERE POSSIBLE. ADJUSTMENTS TO THE FINISH CONTOURS OF THE SITE ARE ANTICIPATED. CHANGES TO CONTOURS SHOWN SHALL BE APPROVED BY THE ENGINEER. THE FOLLOWING CUT AND FILL QUANTITIES ARE APPROXIMATE:
   LAGOON CUT: 5,291 CY
   LAGOON FILL: 7,966 CY
   SEWER LINE CUT: 988 CY

951 EXISTING MINOR CONTOURS
950 EXISTING MAJOR CONTOURS
951 PROPOSED MINOR CONTOURS
950 PROPOSED MAJOR CONTOURS

EASEMENT NOTE:

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STATE OF MISSOURI
MICHAEL L. PARSON, GOVERNOR

CIVIL ENGINEER: GARRETT D. WAGNER
LICENSE NO. PE-2019000226

STATE OF MISSOURI
GARRETT D. WAGNER
Camp Clark Sewer
NUMBER PE-2019000226
3/26/24
PROFESSIONAL ENGINEER

ALLGEIER, MARTIN and ASSOCIATES, INC.
CONSULTING ENGINEERS and SURVEYORS
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OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION

MISSOURI NATIONAL GUARD

CONNECT CAMP CLARK TO CITY OF NEVADA SEWER SYSTEM

CAMP CLARK

NEVADA, MISSOURI

PROJECT # T2301-02
SITE # 6274
ASSET # 8136274075

REVISION: EASEMENTS
DATE: 03-26-2024
REVISION:
DATE:
REVISION:
DATE:
ISSUE DATE: 06/14/2024

CAD DWG FILE:
DRAWN BY: AWW
CHECKED BY: SCW
DESIGNED BY: GDW

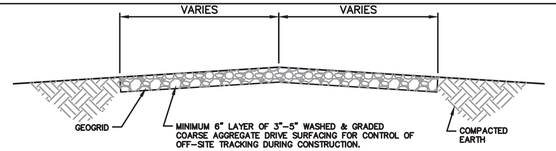
SHEET TITLE:

LAGOON DEMOLITON & GRADING PLAN

SHEET NUMBER:

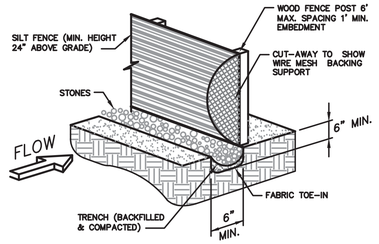
C-113

15 OF 23 SHEETS



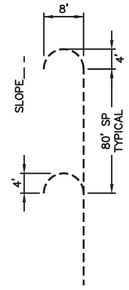
TYPICAL SECTION THRU CONSTRUCTION ENTRANCE
N.T.S.

NOTES:
1. WHEN NECESSARY, EQUIPMENT/VEHICLES SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO A PUBLIC ROADWAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE WITH DRAINAGE FLOWING AWAY FROM BOTH THE PUBLIC STREET OR ROAD AND THE STABILIZED ENTRANCE. ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING ANY STORM DRAIN, DITCH OR WATERCOURSE USING APPROVED METHODS.
2. THE SITE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PAVED SURFACES. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS MAY REQUIRE. ALL SEDIMENT SPILLED, DROPPED, WASHED AWAY OR TRACKED ONTO PAVED SURFACES MUST BE REMOVED AS SOON AS POSSIBLE.



FILTER FABRIC SILT FENCE
N.T.S.

NOTES:
1. SILT FENCE SHALL BE SECURELY FASTENED TO EACH WOOD SUPPORT POST OR TO WOVEN WIRE. THERE SHALL BE A 6 INCH DOUBLE OVERLAP, SECURELY FASTENED WHERE ENDS OF FABRIC MEET.
2. INSPECTION SHALL BE MADE AT LEAST WEEKLY, BEFORE A KNOWN MAJOR STORM EVENT, AND AFTER EACH 0.5" RAINFALL EVENT. REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
3. ACCUMULATED SILT SHALL BE REMOVED FROM THE UPPER SIDE OF SILT FENCE WHEN IT REACHES A DEPTH OF 8 INCHES. THE SILT SHALL BE DISPOSED ON SITE (OR AT AN APPROVED SITE) AND IN SUCH A MANNER AS TO NOT CONTRIBUTE TO ADDITIONAL SILTATION.
4. FILTER FABRIC SILT FENCE SHALL BE ENHANCED WITH STRAW BALES IF SITE CONDITIONS INDICATE THE NEED FOR ADDITIONAL FILTRATION OF RUNOFF.



NOTE:
HOOKS SHOWN LARGER FOR CLARITY

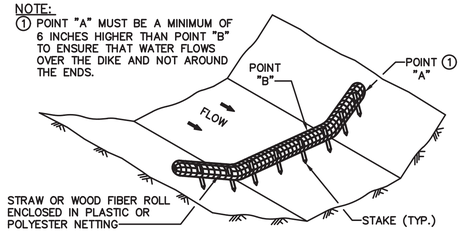
INSTALL AS NEEDED ON SLOPES WHERE SILT FENCE IS INSTALLED PARALLEL TO SLOPE.

NOTE:
FILTER FABRIC SILT FENCE/HOOKS AND STRAW BALE BARRIER LOCATIONS ARE APPROXIMATE. PLACEMENT MAY NEED ADJUSTED ACCORDING TO SITE SPECIFIC TERRAIN CONDITIONS.

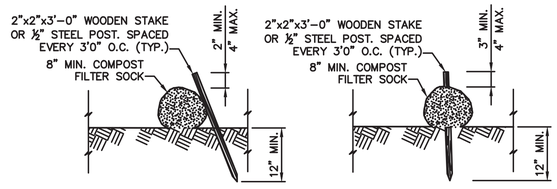
CONSTRUCTION NOTE:
THE CONTRACTOR SHALL PROVIDE ANY ADDITIONAL EROSION OR POLLUTION CONTROL DEVICES AS REQUIRED DURING THE CONSTRUCTION PHASE IN ORDER TO COMPLY WITH STORM WATER DISCHARGE REGULATIONS OF THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY AND ALL OTHER AGENCIES HAVING JURISDICTION.

FILTER FABRIC SILT FENCE HOOK DETAIL
N.T.S.

NOTE:
① POINT "A" MUST BE A MINIMUM OF 6 INCHES HIGHER THAN POINT "B" TO ENSURE THAT WATER FLOWS OVER THE DIKE AND NOT AROUND THE ENDS.



COMPOST FILTER SOCK DITCH CHECK
N.T.S.

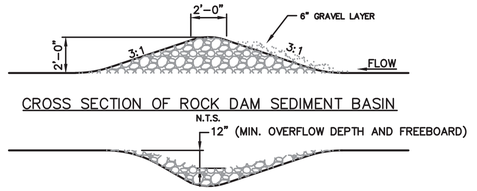


ALTERNATIVE 1 (Staking)
N.T.S.

ALTERNATIVE 2 (Staking)
N.T.S.

COMPOST FILTER SOCK

COMPOST FILTER SOCK: SLOPE, SOCK SPACING, AND SOCK DIAMETER		
SLOPE	SPACING (ft)	SOCK DIAMETER (inches)
<50:1	250	8
50:1 – 10:1	125	12
10:1 – 5:1	100	12
3:1 – 2:1	50	18
> 2:1	25	18



CROSS SECTION OF ROCK DAM SEDIMENT BASIN
N.T.S.

CROSS SECTION OF DITCH AT ROCK DAM
N.T.S.

THE CONTRACTOR SHALL MAINTAIN A COPY OF THE MDNR ISSUED NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) STORM WATER DISCHARGE PERMIT, A CURRENT SIGNED AND CERTIFIED COPY OF THE SWPPP, AND COPIES OF ALL COMPLETED INSPECTION AND MAINTENANCE FORMS AT THE CONSTRUCTION SITE AT ALL TIMES, AS REQUIRED. THE ISSUED STORM WATER DISCHARGE PERMIT AND THE SWPPP MUST BE AVAILABLE FOR REVIEW BY ANY AND ALL LOCAL, STATE, OR FEDERAL AUTHORIZED REGULATORY AGENCY REPRESENTATIVE UPON REQUEST.

NOTE:
SEE SWPPP APPENDICES FOR ADDITIONAL INFORMATION AND EXAMPLES OF BMP'S AND REQUIRED INSPECTION AND REPORTING FORMS.

THE CONTRACTOR SHALL NAME AN INDIVIDUAL AS THE SITE ENVIRONMENTAL MANAGER RESPONSIBLE FOR ALL STORM WATER AND ENVIRONMENTAL ISSUES AT THE SITE DURING THE CONSTRUCTION OF THE PROJECT.

THE DESIGNATED ENVIRONMENTAL MANAGER FOR THE SITE IS:

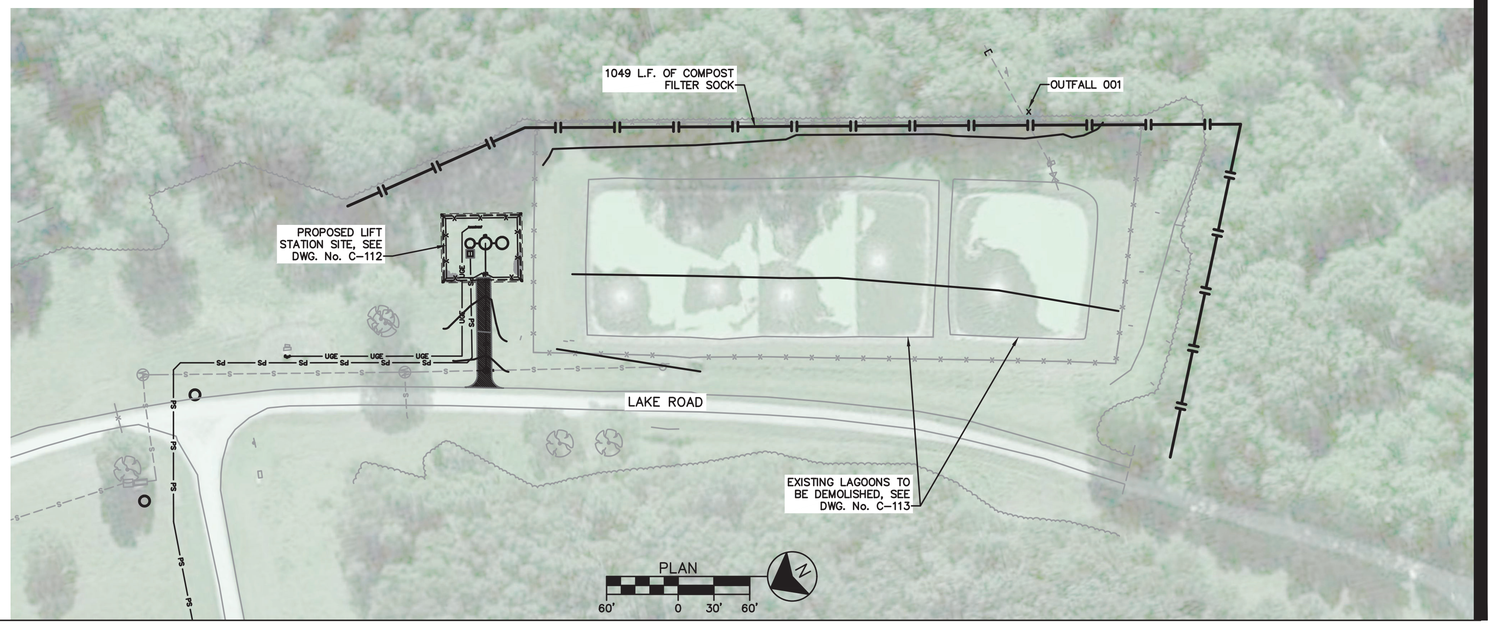
_____

THE CONTRACTOR SHALL PHYSICALLY MARK IN THE FIELD THE LOCATION OF THE OUTFALL AND INDICATE THE OUTFALL NUMBER, AS SHOWN ON THIS DRAWING.

THE CONTRACTOR SHALL PENCIL IN AND KEEP CURRENT, ANY UPDATE AS NEEDED, ANY AND ALL ADDITIONS OR CHANGES TO THE STORM WATER POLLUTION PREVENTION PLAN ON THE SWPPP DRAWING, INCLUDING, BUT NOT LIMITED TO, THE LOCATION OF THE FOLLOWING ITEMS, IF APPLICABLE:

- CONSTRUCTION OFFICE
- PORTABLE TOILET(S)
- SOLID WASTE CONTAINER(S)
- FUEL STORAGE AREA
- MATERIAL STORAGE AREA(S)
- CHEMICAL STORAGE AREA(S)
- EQUIPMENT STORAGE AREA(S)
- TOP SOIL STOCKPILE AREA(S)
- ANY AND ALL ADDITIONAL INSTALLED BMP'S

THIS DRAWING IS FOR A STORM WATER POLLUTION PREVENTION PLAN ONLY, AND IS NOT INTENDED TO BE USED FOR CONSTRUCTION PURPOSES.



STATE OF MISSOURI
MICHAEL L. PARSON, GOVERNOR

CIVIL ENGINEER: GARRETT D. WAGNER
LICENSE NO. PE–2019000226

STATE OF MISSOURI
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3/12/24
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MISSOURI
NATIONAL GUARD

CONNECT CAMP CLARK TO CITY OF NEVADA SEWER SYSTEM

CAMP CLARK

NEVADA, MISSOURI

PROJECT # T2301-02
SITE # 6274
ASSET # 8136274075

REVISION: OUTFALL
DATE: 03-12-2024
REVISION:
DATE:
REVISION:
DATE:
ISSUE DATE: 06/14/2024

CAD DWG FILE:
DRAWN BY: AWW
CHECKED BY: SCW
DESIGNED BY: GDW

SHEET TITLE:
STORMWATER POLLUTION PREVENTION PLAN

SHEET NUMBER:
C-114
16 OF 23 SHEETS

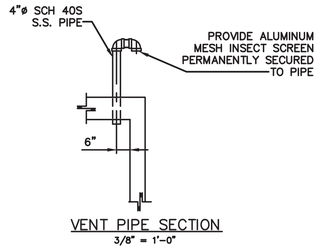
NOTES:

1. (2) EA. ALUMINUM ACCESS DOOR SHALL BE U.S.F. FABRICATION, INC., MODEL No. APS300 FOR A 30" x 48" CONCRETE OPENING OR AN APPROVED EQUAL. LOCATION OF ACCESS DOOR SHALL BE AS DIMENSIONED WITH DOOR HINGE LOCATION AS NOTED. DOOR MAY BE EITHER CAST-IN-PLACE OR GROUTED-IN-PLACE PER MFGR's REQMT's. THAT PORTION OF THE ACCESS DOOR FRAME IN CONTACT WITH CONCRETE OR GROUT SHALL HAVE A HEAVY SHOP COAT OF BITUMINOUS PAINT. ACCESS DOOR SHALL HAVE A NON-CORROSIVE FLUSH DROP HANDLE FOR LIFTING AND A NON-CORROSIVE STAPLE FOR PADLOCKING.
2. (1) EA. ALUMINUM ACCESS DOOR SHALL BE U.S.F. FABRICATION, INC., MODEL No. APS300 FOR A 36" x 48" CONCRETE OPENING OR AN APPROVED EQUAL. LOCATION OF ACCESS DOOR SHALL BE CENTERED ON FLATTOP LID WITH DOOR HINGE LOCATION AS NOTED. DOOR MAY BE EITHER CAST-IN-PLACE OR GROUTED-IN-PLACE PER MFGR's REQMT's. THAT PORTION OF THE ACCESS DOOR FRAME IN CONTACT WITH CONCRETE OR GROUT SHALL HAVE A HEAVY SHOP COAT OF BITUMINOUS PAINT. ACCESS DOOR SHALL HAVE A NON-CORROSIVE FLUSH DROP HANDLE FOR LIFTING AND A NON-CORROSIVE STAPLE FOR PADLOCKING.
3. PROVIDE MIN. (2) EA. TYPE 304 S.S. SUPPORTS FOR VERTICAL DISCHARGE PIPE ON EACH PUMP. ANCHOR TO WALL w/ TYPE 304 S.S. EPOXY TYPE ANCHOR BOLTS, SIZE PER MFGR's REQMT's W/ MIN 4" EMBEDMENT.
4. PUMP BASE ELBOW. PROVIDE PLAIN CONCRETE LEVELING BASE FOR PUMP DISCHARGE BASE ELBOW PER PUMP MFGR's REQMT's. ANCHOR BASE ELBOW W TYPE 304 S.S. EPOXY TYPE ANCHOR BOLTS, SIZED PER MFGR's REQMT's W/ MIN. 6" EMBEDMENT INTO BASE SLAB.
5. PUMP SIZE & TYPE AS NOTED & SHOWN ON DRAWINGS. PIPE LENGTHS VARIABLE, AS REQUIRED FOR INSTALLATION PER DRAWINGS. FOR COMPLETE DESCRIPTION OF PIPE, CLASS & MATERIAL, SEE SPECIFICATIONS.
6. ALL PIPING, VALVES & FITTINGS SHALL BE ADEQUATELY SUPPORTED. LOCATION FOR SUPPORTS & HANGERS ARE SHOWN ON DRAWINGS WHERE VIEWS ALLOW. FOR TYPICAL PIPE SUPPORTS & HANGERS; FLOOR, WALL & CEILING, SEE SPECIFICATIONS.
7. SUBMERSIBLE RAW SEWAGE PUMPS & DISCHARGE PIPING CONFIGURATIONS HAVE BEEN ESTABLISHED USING THE TYPICAL PUMP DIMENSIONS FOR A SUBMERSIBLE SEWAGE PUMP. ANY DEVIATION IN PUMP ASSEMBLY CONFIGURATION, SIZE, MANUFACTURER, ETC. THAT ALTERS THE INSTALLATION AS SHOWN AND/OR DIMENSIONED, SHALL BE COORDINATED WITH THE ENGINEER PRIOR TO THEIR INSTALLATION.

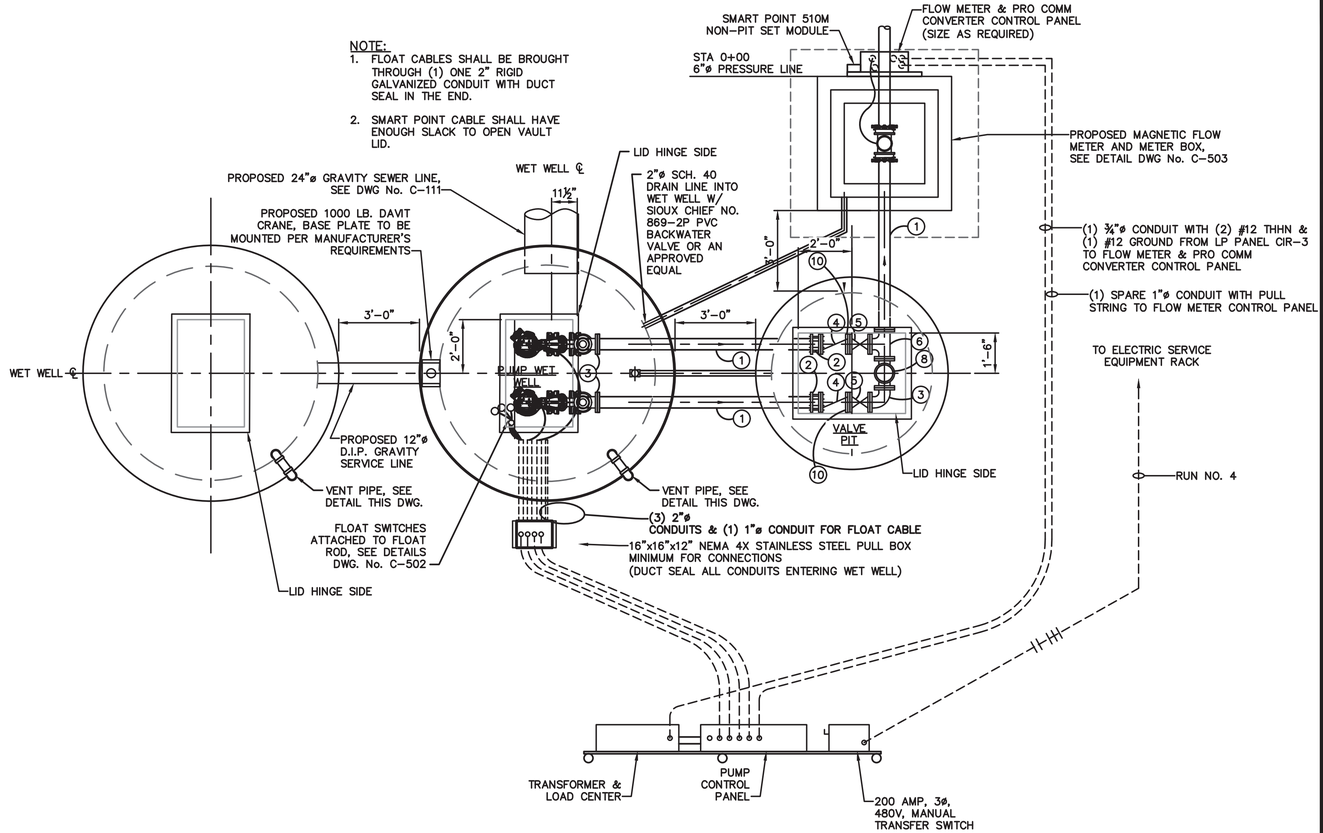
CONSTRUCTION NOTES:

1. BASE SOCKET SHALL BE POSITIONED SO THAT PUMPS ARE WITHIN ACCESSIBLE RANGE OF DAVIT CRANE.
2. PROVIDE MIN. (1) EA. TYPE 304 S.S. SUPPORTS FOR VERTICAL DISCHARGE PIPE ON EACH PUMP. ANCHOR TO WALL W/ TYPE 304 S.S. EPOXY TYPE ANCHOR BOLTS, SIZE PER MFGR.'S REQMT.'S W/ MIN. 4" EMBEDMENT.
3. PROPOSED LIFT STATION IMPROVEMENTS TO BE INSTALLED WITHOUT INTERRUPTING THE FLOW OF WASTEWATER. CONTRACTOR SHALL UTILIZE ALL METHODS, TECHNIQUES AND EQUIPMENT NECESSARY TO MAINTAIN UNRESTRICTED FLOW OF WASTEWATER DURING CONSTRUCTION. THE CONTRACTOR SHALL NOT ALLOW WASTEWATER TO OVERFLOW FROM MANHOLES, TRENCHES, WET WELL, OR PITS ONTO GROUND SURFACE OR IN WATERWAYS. ALL WASTEWATER SHALL BE PUMPED INTO A VACUUM TRUCK, THE EXISTING FORCE MAIN, THE PROPOSED VALVE PIT / FORCE MAIN (ONCE CONNECTED TO EXISTING FORCE MAIN), OR THE DOWNSTREAM MANHOLE. CONTRACTOR SHALL SUBMIT TO THE ENGINEER THEIR TEMPORARY PUMPING PLAN PRIOR TO BEGINNING CONSTRUCTION.
4. CONTRACTOR SHALL PENETRATE PROPOSED WET WELL WITH PROPOSED 24"ø SEWER LINE BY NEATLY CUTTING A HOLE 2" TO 4" LARGER THAN O.D. OF PRESSURE LINE. THE ANNULAR SPACE SHALL BE FILLED WITH NON-SHRINK GROUT AND MADE WATER TIGHT. PIPE PENETRATIONS IN VALVE BOX CAN BE SEALED IN THE SAME MANNER OR BY A-LOK OR APPROVED EQUAL.
5. FLOAT CABLES SHALL BE BROUGHT THROUGH (1) ONE 2" RIGID GALVANIZED CONDUIT WITH DUCT SEAL IN THE END.
6. PUMP CABLES & FLOAT CABLES SHALL BE OF SUFFICIENT LENGTH TO EXTEND FROM PIT TO CONTROL PANEL WITHOUT SPLICING OR JUNCTION BOXES.
7. FLOAT CABLES SHALL BE OF SUCH LENGTH AS TO ALLOW REMOVAL OF THE FLOAT SWITCH SUPPORT PIPE FROM THE HOOK.
8. CONSTRUCTION TO PROPOSED WET WELL SHALL BE ACCOMPLISHED BY NEATLY CORE DRILLING IN WET WELL 2" TO 4" LARGER MIN. O.D. OF PROPOSED PENETRATING PIPE. SEAL PENETRATING PIPE W/A-LOK AND FILL ANNULAR SPACE WITH NON-SHRINK GROUT FOR A WATER TIGHT SEAL.

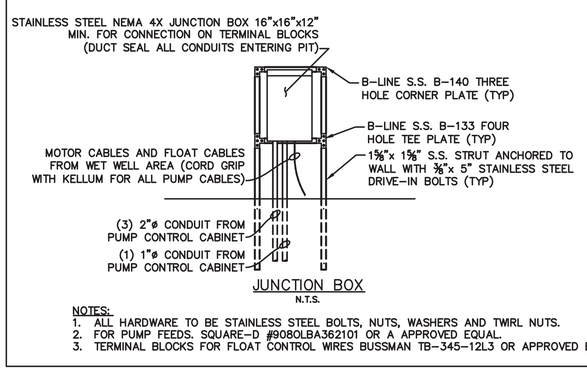
FITTING SCHEDULE		
NO.	DESCRIPTION	QTY
1	6"ø FLANGE x PLAIN END DUCTILE IRON PIPE x LENGTH AS REQUIRED	
2	6"ø CAST IRON FLANGED COUPLING ADAPTER WITH (2) ANCHOR STUDS	4
3	6"ø FLANGED 90° ELBOW	3
4	6"ø FLANGED, HORIZONTAL SWING CHECK VALVE	2
5	6"ø FLANGED PLUG VALVE W/ EXTENDED NUT & STEM GUIDE	2
6	6" FLANGED DUCTILE IRON TEE	1
7	4"ø FLANGED PLUG VALVE W/ LEVER ACTUATOR	1
8	4"ø FLANGED QUICK CONNECT COUPLING W/ DUST CAP. SECURE DUST CAP W/ STAINLESS STEEL CHAIN.	1
9	4"ø FLG. x FLG. x D.I.P. x 24" LONG	1
10	ANNULAR DIAPHRAGM SEAL EQUAL TO ASHCROFT TYPE 81 WITH INSTRUMENT REMOVAL DEVICE AND 4" PRESSURE GAUGE EQUAL TO ASHCROFT 1279 DURAGAUGE, SILICONE.	2
11	6" x 4" FLANGED ECCENTRIC REDUCER	1
12	6" x 6" x 4" FLANGED DUCTILE IRON TEE	1



VENT PIPE SECTION
3/8" = 1'-0"

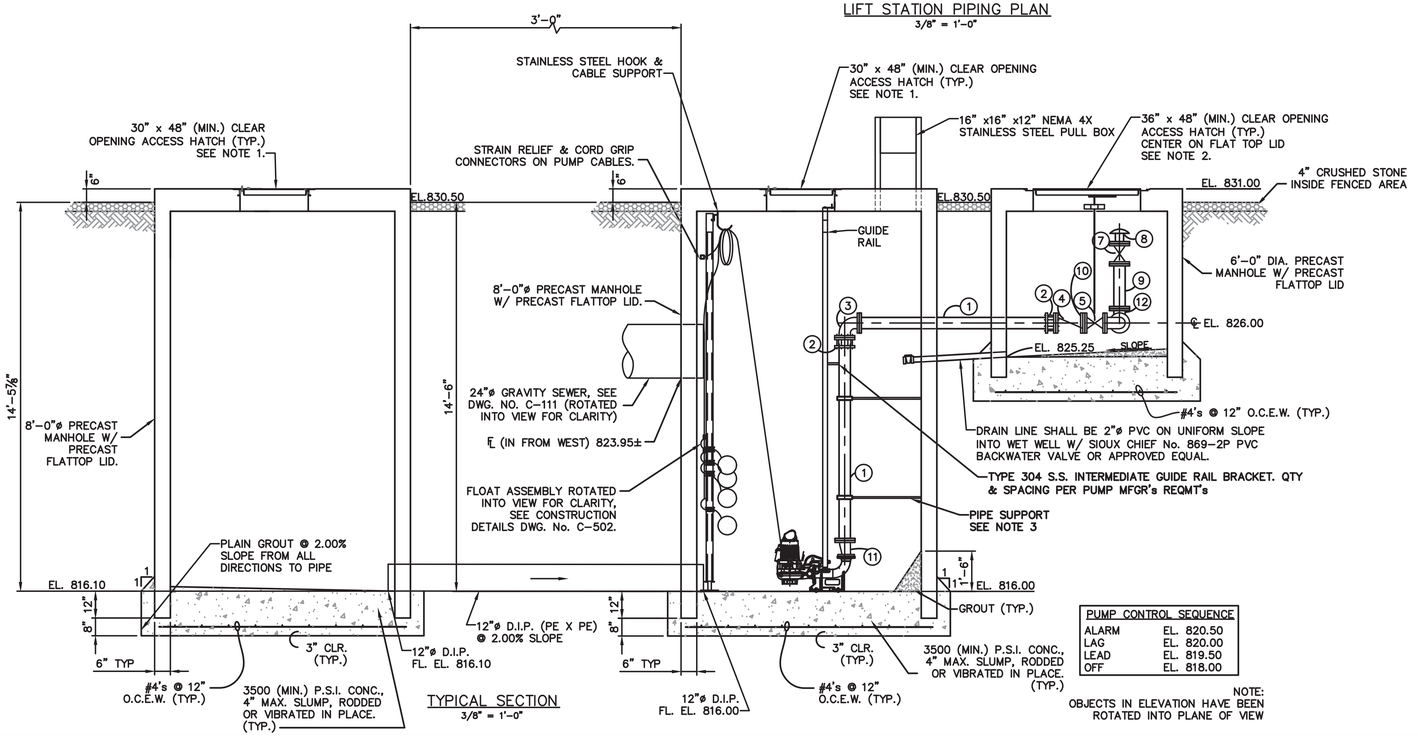


LIFT STATION PIPING PLAN
3/8" = 1'-0"



JUNCTION BOX
N.T.S.

NOTES:
1. ALL HARDWARE TO BE STAINLESS STEEL BOLTS, NUTS, WASHERS AND TWIRL NUTS.
2. FOR PUMP FEEDS. SQUARE-D #9080LBA362101 OR A APPROVED EQUAL.
3. TERMINAL BLOCKS FOR FLOAT CONTROL WIRES BUSSMAN TB-345-12L3 OR APPROVED EQUAL



TYPICAL SECTION
3/8" = 1'-0"

PUMP CONTROL SEQUENCE	
ALARM	EL. 820.50
LAG	EL. 820.00
LEAD	EL. 819.50
OFF	EL. 818.00

NOTE:
OBJECTS IN ELEVATION HAVE BEEN ROTATED INTO PLANE OF VIEW

STATE OF MISSOURI
MICHAEL L. PARSON, GOVERNOR

CIVIL ENGINEER: GARRETT D. WAGNER
LICENSE NO. PE-2019000226

STATE OF MISSOURI · GARRETT D. WAGNER · Camp Clark Sewer · NUMBER PE-2019000226 · 6/14/24 · PROFESSIONAL ENGINEER

ALLGEIER, MARTIN and ASSOCIATES, INC.
CONSULTING ENGINEERS AND SURVEYORS
7233 EAST 2ND STREET JOPLIN, MISSOURI 64804 (417) 680-7200

OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION

MISSOURI NATIONAL GUARD

CONNECT CAMP CLARK TO CITY OF NEVADA SEWER SYSTEM

CAMP CLARK

NEVADA, MISSOURI

PROJECT # T2301-02
SITE # 6274
ASSET # 8136274075

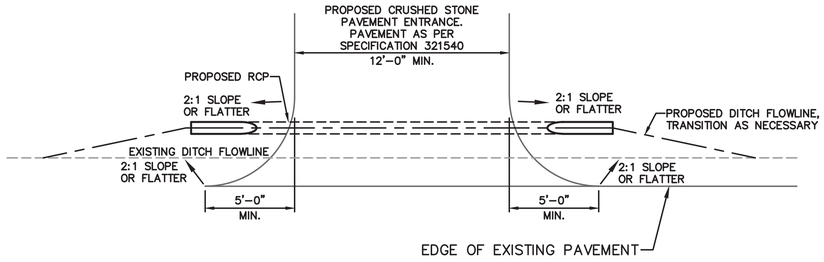
REVISION: WET WELL SIZE
DATE: 06-05-2024
REVISION: ADD WET WELL
DATE: 06-14-2024
REVISION:
DATE:
ISSUE DATE: 06/14/2024

CAD DWG FILE:
DRAWN BY: AWW
CHECKED BY: SCW
DESIGNED BY: GDW

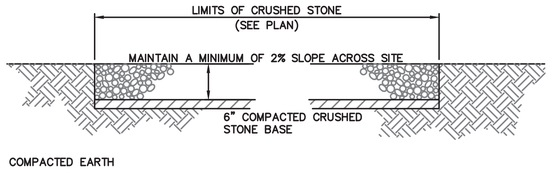
SHEET TITLE:
LIFT STATION STRUCTURE PLAN & SECTION

SHEET NUMBER:
C-501

17 OF 23 SHEETS

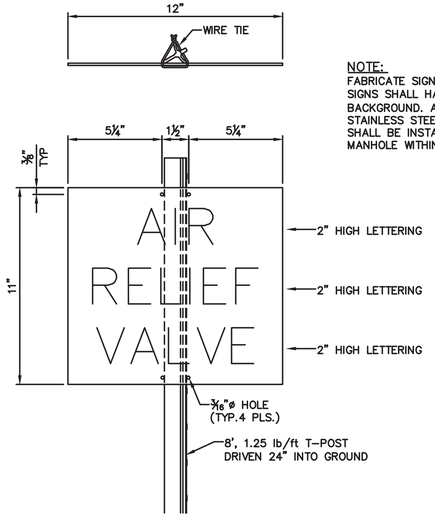


PROPOSED CRUSHED STONE ENTRANCE DETAIL
NTS



TYPICAL CRUSHED STONE SURFACING DETAIL
N.T.S.

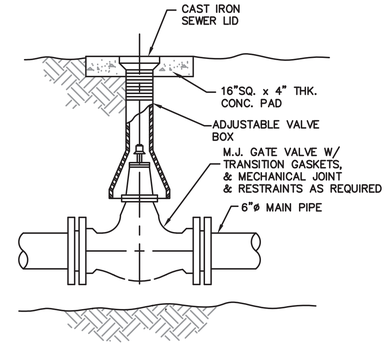
AIR RELIEF VALVE SCHEDULE		
NO.	STATION	TYPE
1	6+75	TYPE 2
2	12+35	TYPE 1
3	18+15	TYPE 1
4	27+97	TYPE 2
5	42+67	TYPE 2
6	52+17	TYPE 1
7	62+39	TYPE 2
8	79+55	TYPE 2



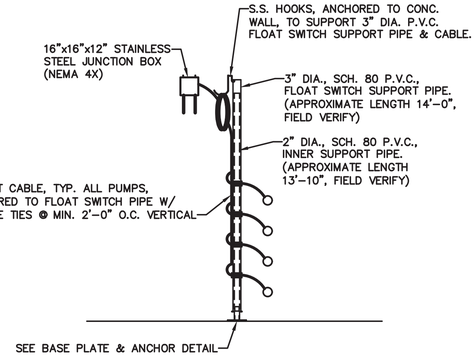
(8) EA. REQUIRED

SIGN DETAILS
3" = 1'-0"

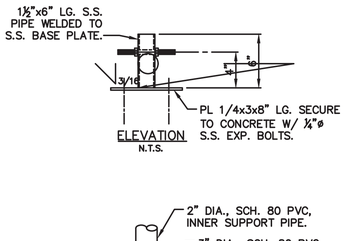
NOTE:
FABRICATE SIGNS FROM 0.08"t 3003 ALUMINUM SHEET. SIGNS SHALL HAVE BLACK LETTERING ON WHITE BACKGROUND. ATTACH SIGNS TO T-POST W/ 1⅛"ø STAINLESS STEEL WIRE AT ARV LOCATION AS SHOWN. SIGN SHALL BE INSTALLED THREE FEET AWAY FROM CENTER OF MANHOLE WITHIN EASEMENT.



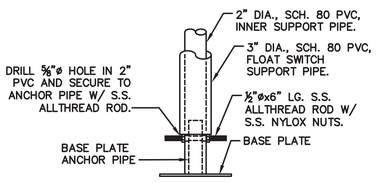
PLUG VALVE INSTALLATION
NTS



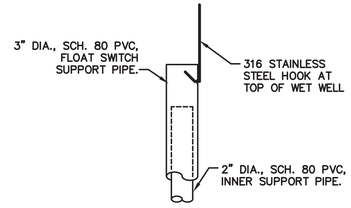
FLOAT SWITCH ASSEMBLY DETAIL
N.T.S.



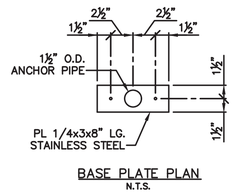
ELEVATION
N.T.S.



FLOAT ASSEMBLY ELEVATION
N.T.S.

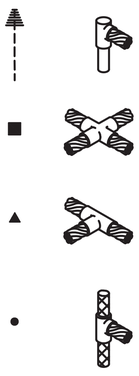


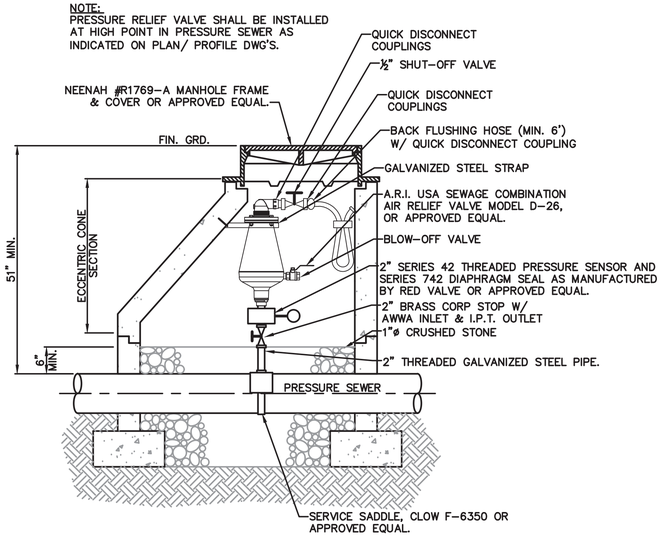
UPPER ANCHOR
N.T.S.



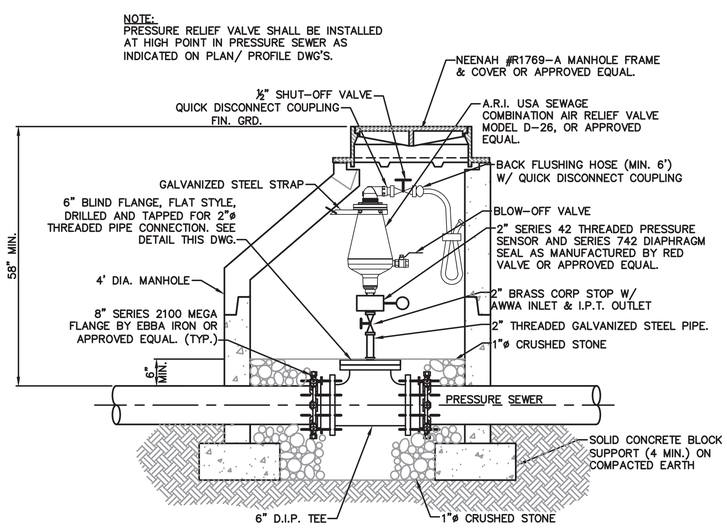
BASE PLATE PLAN
N.T.S.

GROUNDING LEGEND

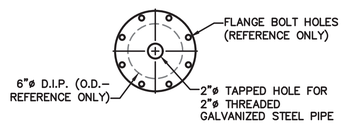




TYPE 1 AIR RELIEF VALVE INSTALLATION
NTS



TYPE 2 AIR RELIEF VALVE INSTALLATION
NTS



6" BLIND FLANGE - PLAN DETAIL
NTS

STATE OF MISSOURI
MICHAEL L. PARSON, GOVERNOR

CIVIL ENGINEER: GARRETT D. WAGNER
LICENSE NO. PE-2019000226

STATE OF MISSOURI
GARRETT D. WAGNER
NUMBER PE-2019000226
2/15/24
PROFESSIONAL ENGINEER

ALLGEIER, MARTIN and ASSOCIATES, INC.
CONSULTING ENGINEERS - ARCHITECTURE
7233 EAST 2nd STREET JOPLIN, MISSOURI 64804 (417) 680-7200

OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT,
DESIGN AND CONSTRUCTION

MISSOURI
NATIONAL GUARD

CONNECT CAMP CLARK TO CITY OF NEVADA SEWER SYSTEM

CAMP CLARK

NEVADA, MISSOURI

PROJECT # T2301-02
SITE # 6274
ASSET # 8136274075

REVISION:
DATE:
REVISION:
DATE:
REVISION:
DATE:

ISSUE DATE: 06/14/2024

CAD DWG FILE:
DRAWN BY: AWW
CHECKED BY: SCW
DESIGNED BY: GDW

SHEET TITLE:
STANDARD CONSTRUCTION DETAILS

SHEET NUMBER:
C-502

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NOTES:

1. (1) EA. ALUMINUM ACCESS DOOR SHALL BE HALLIDAY PRODUCTS MODEL No. S1S3636 SINGLE LEAF CONSTRUCTION FOR A 36" x 36" CONCRETE OPENING OR AN APPROVED EQUAL. DOOR SHALL HAVE A LOAD RATING OF 300 LBS. PER SQ. FT. LOCATION OF ACCESS DOOR SHALL BE AS DIMENSIONED W/ HINGE SIDE AS NOTED. INSTALLATION OF ACCESS DOOR MAY BE EITHER CAST-IN-PLACE OR GROUTED-IN-PLACE PER MFGR's. REQMT's. THAT PORTION OF THE ACCESS DOOR FRAME IN CONTACT WITH CONCRETE OR GROUT SHALL HAVE A HEAVY SHOP COAT OF BITUMINOUS PAINT.

2. FLOW METER BOX – (1) EA. WITH THE FOLLOWING REQUIREMENTS: THE METER BOX SHALL BE PRECAST REINFORCED CONCRETE WALLS, TOP & BOTTOM W/ FOLLOWING DIMENSIONS: 4'-0" x 4'-0" INSIDE, 6¾" THICK WALLS, 8" THICK TOP & 8" THICK BOTTOM. DEPTH PER PLANS. SMOOTH CAST HOLES IN WALLS FOR 6"ø D.I. PIPES W/ HOLES LOCATED PER PIPING PLAN & SECTION. SMOOTH CAST HOLE IN BOTTOM SLAB FOR 2"ø SCH. 40 P.V.C. PIPE W/ HOLE LOCATED PER PIPING PLAN & SECTION. INSTALLATION OF ALL PIPES SHALL BE PER REQUIREMENTS OF NOTE 3. ACCESS DOOR PER NOTE 1 IN TOP WITH LOCATION PER PIPING PLAN & SECTION

3. PIPES SHALL BE INSTALLED IN CAST HOLES OF VALVE BOX & WET WELL WITH A BENTONITE/BUTYL-RUBBER BASED COMPOUND STRIP WATERSTOP ON THE PIPE WITH ONE (1) 360° WRAP AROUND PIPE WITH ENDS BUTTED TOGETHER TO FORM A CONTINUOUS WATERSTOP PER MFGR's. REQMT's. LOCATION ON THE PIPE SHALL COINCIDE WITH THE CENTER OF THE WALL OR SLAB. WATERSTOP SHALL BE VOLCLAY WATERSTOP RX-102 (⅜" x ¾") OR AN APPROVED EQUAL. AFTER PLACEMENT OF THE PIPE & WATERSTOP, FILL ANNULAR SPACE WITH NON-SHRINK, NON-METALLIC GROUT, FLUSH WITH BOTH SURFACES.

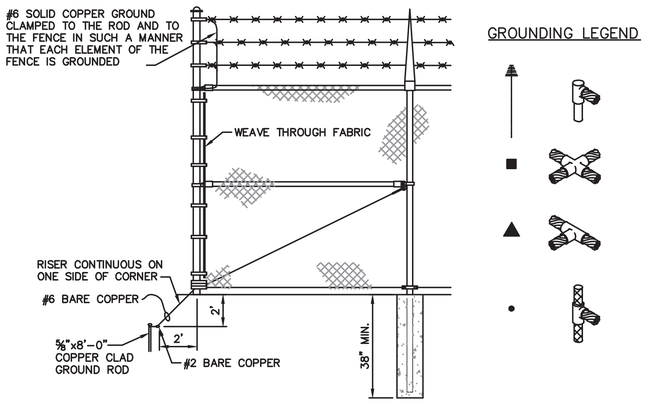
GENERAL NOTES:

CONTRACTOR SHALL BE RESPONSIBLE FOR SUPPLYING & INSTALLING FLOW METER, PIPING, VALVES, FITTINGS & APPURTENANCES FOR A COMPLETE & FUNCTIONING SYSTEM.

PIPE SIZE & TYPE AS NOTED & SHOWN ON DRAWINGS. PIPE LENGTHS VARIABLE, AS REQUIRED FOR INSTALLATION PER DRAWINGS. FOR COMPLETE DESCRIPTION OF PIPE, CLASS & MATERIAL, SEE SPECIFICATIONS.

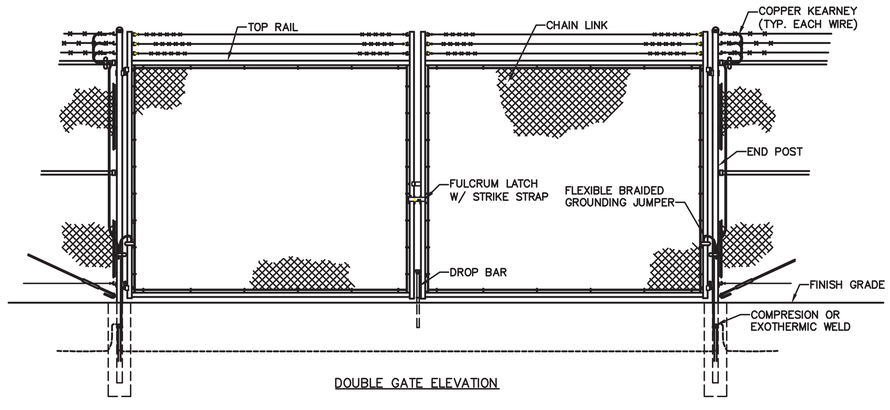
ALL PIPING, VALVES & FITTINGS SHALL BE ADEQUATELY SUPPORTED. FOR TYPICAL PIPE SUPPORTS & HANGERS; FLOOR, WALL & CEILING, SEE SPECIFICATIONS.

ALL BURIED PIPE FITTINGS (BENDS, TEES, PLUGS, CAPS, ETC.) SHALL BE PLAIN CONCRETE THRUST BLOCKED AGAINST UNDISTURBED EARTH.

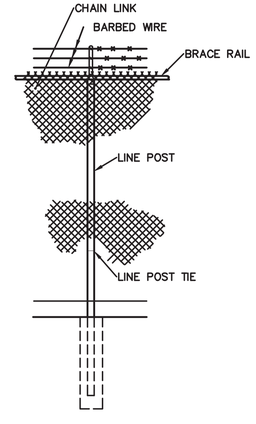


GROUNDING LEGEND

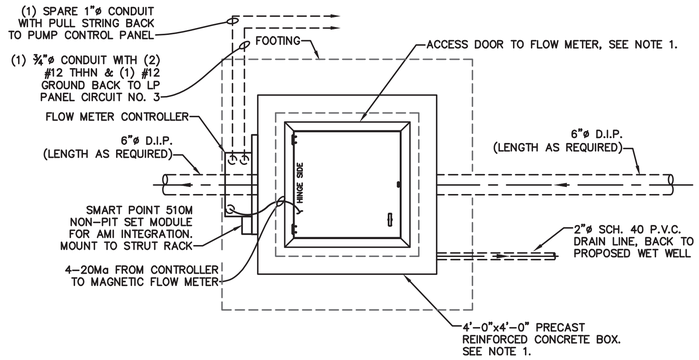
CHAINLINK FENCE GROUNDING
NTS



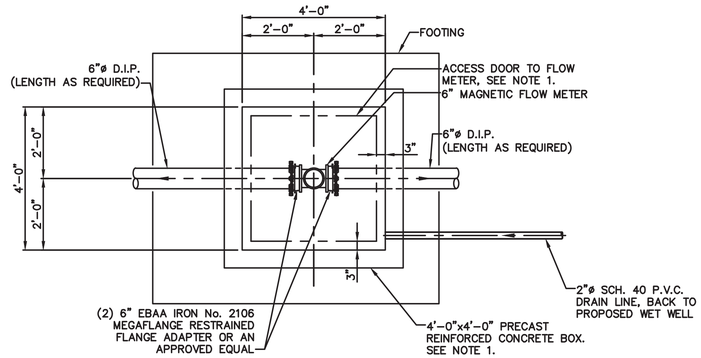
DOUBLE GATE ELEVATION



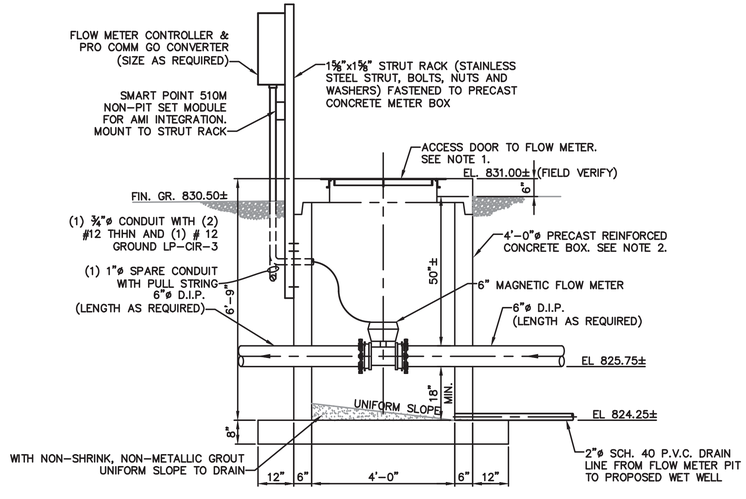
FENCE SECTION ELEVATION



FLOW METER GENERAL PLAN
1/2" = 1'-0"



FLOW METER PIPING PLAN
1/2" = 1'-0"



FLOW METER SECTION
1/2" = 1'-0"

STATE OF MISSOURI
MICHAEL L. PARSON, GOVERNOR

CIVIL ENGINEER: GARRETT D. WAGNER
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STATE OF MISSOURI
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7201 EAST 2ND STREET JOPLIN, MISSOURI 64804 (417) 680-7200

OFFICE OF ADMINISTRATION
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MISSOURI
NATIONAL GUARD

CONNECT CAMP CLARK TO CITY OF NEVADA SEWER SYSTEM

CAMP CLARK

NEVADA, MISSOURI

PROJECT # T2301-02
SITE # 6274
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REVISION:
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CAD DWG FILE:
DRAWN BY: AWW
CHECKED BY: SCW
DESIGNED BY: GDW

SHEET TITLE:
STANDARD CONSTRUCTION DETAILS

SHEET NUMBER:
C-503

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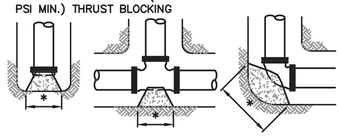
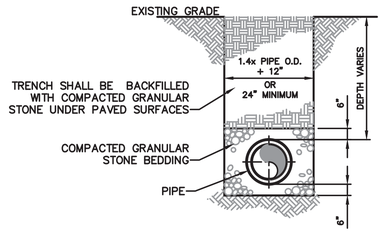
NOTE:
ALL BURIED FITTINGS SHALL HAVE PLAIN CONCRETE (3000 PSI MIN.) THRUST BLOCKING



* CONCRETE THRUST BLOCK SHALL HAVE A MINIMUM BEARING AREA ON UNDISTURBED SOIL OF 5 SQ. FT. ON 6" & 8" FITTINGS, 7 SQ. FT. ON 10" FITTINGS, 10 SQ. FT. ON 12" FITTINGS, 13 SQ. FT. ON 14" FITTINGS AND 16" SQ. FT. ON 16" FITTINGS.

THRUST BLOCK DETAIL
NTS

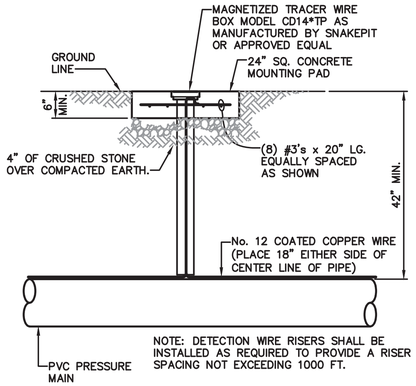
NOTE: TRENCH SHALL BE EXCAVATED TO PROVIDE VERTICAL WALLS. SHORING SHALL BE PROVIDED AS NECESSARY TO MEET OSHA REQMT'S.



GRAVITY SANITARY AND STORM SEWER STANDARD TRENCH & BEDDING DETAIL
N.T.S.

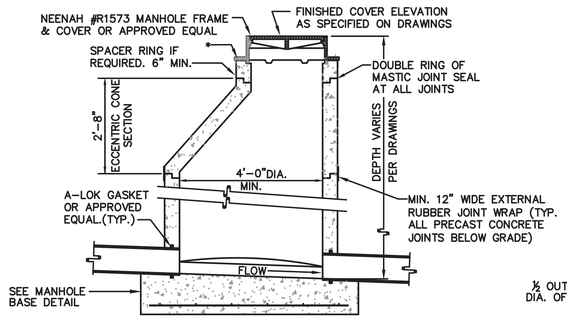
NOTE:
TRENCH SHALL BE EXCAVATED TO A DEPTH OF 6" BELOW BOTTOM OF PIPE AND BACKFILLED TO 6" ABOVE PIPE WITH GRAVEL OR CRUSHED STONE CONFORMING TO THE FOLLOWING GRADATION TO PROVIDE UNIFORM BEDDING FOR THE ENTIRE LENGTH OF THE PIPE.

SIEVE SIZE	PERCENT PASSING
1	100
3/4	90–100
3/8	20–55
No. 4	0–10
No. 8	0–5



NOTE: DETECTION WIRE RISERS SHALL BE INSTALLED AS REQUIRED TO PROVIDE A RISER SPACING NOT EXCEEDING 1000 FT.

DETECTION WIRE RISER DETAIL
NTS

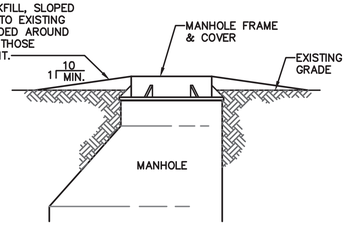


TYPICAL PRECAST MANHOLE DETAIL
N.T.S.
* IN LOW LYING AREAS WHERE GROUND WATER IS AN ISSUE & TO PREVENT INFILTRATION A UNI-BAND OR APPROVED EQUAL SHALL BE USED

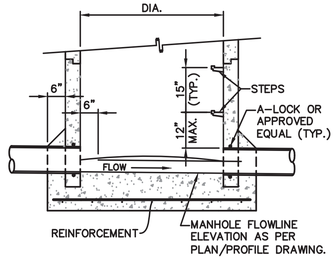
GENERAL NOTES:

1. JOINT BETWEEN MANHOLE FRAME AND ADJUSTMENT RING AREA SHALL BE WATERTIGHT. JOINT GASKET SHALL BE OF PREFORMED MASTIC (RAM-NEK, HAMILTON-KENT, OR APPROVED EQUAL). A ONE-PIECE EXTERNAL, MOLDED RUBBER SEAL SHALL BE INSTALLED AROUND MANHOLE FRAME AND ADJUSTMENT RING AREA ON ALL BELOW-GRADE MANHOLES.
2. MANHOLE JOINTS SHALL BE WATERTIGHT. JOINT GASKET SHALL BE PREFORMED MASTIC (RAM-NEK, HAMILTON-KENT, OR APPROVED EQUAL). A MIN. 12" WIDE, EXTERNAL RUBBER JOINT WRAP SHALL BE INSTALLED ON ALL BELOW-GRADE PRECAST CONCRETE MANHOLE JOINTS.
3. OPENINGS FOR SEWER PIPE IN MANHOLE SECTIONS SHALL BE FORMED AT THE FACTORY, EITHER CAST IN PLACE GASKET OR CUTOUT OPENING.
   A. MINIMUM OPENING FOR CUTOUTS SHALL BE EQUAL TO OUTSIDE DIAMETER OF PIPE PLUS (4) FOUR INCHES AND MAXIMUM OPENING SHALL BE EQUAL TO OUTSIDE DIAMETER OF PIPE PLUS (6) INCHES
   B. ANNULAR SPACE BETWEEN SEWER PIPE AND CUTOUT OPENING IN MANHOLE SECTIONS SHALL BE FILLED WITH NON-SHRINKING TYPE GROUT PER SPECIFICATIONS.
   C. CAST-IN-PLACE GASKET SHALL BE A-LOK OR APPROVED EQUAL.
4. ALL MANHOLE DETAILS ARE FOR PRECAST REINFORCED CONCRETE MANHOLE SECTIONS AND SHALL CONFORM TO ASTM SPEC. C478 – (CURRENT REVISION) WITH THE FOLLOWING MODIFICATIONS:
   A. CEMENT USED SHALL CONFORM TO SPECIFICATIONS FOR PORTLAND CEMENT ASTM DESIGNATION C150. CONCRETE SHALL HAVE MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI.
   B. MINIMUM SHELL THICKNESS SHALL BE: FOR (0) TO 16 FEET DEPTH, (1/12) ONE-TWELFTH INTERNAL SHELL DIAMETER OR (4) FOUR INCHES, WHICHEVER IS GREATER. FOR 16 FEET AND OVER IN DEPTH, (1/12) ONE-TWELFTH INTERNAL SHELL DIAMETER PLUS (1) ONE INCH OR (5) INCHES, WHICHEVER IS GREATER.
   C. EXTERIOR DAMP PROOFING SHALL CONFORM TO KOPPERS SPECIFICATIONS FOR COAL TAR BITUMASTIC SUPER SERVICE BLACK, TNEMEC HEAVY DUTY BLACK, CARBOLINE, OR APPROVED EQUAL. DAMP PROOFING SHALL BE FACTORY APPLIED.
   D. JOINTS BETWEEN MANHOLE SECTIONS SHALL BE WATERTIGHT. JOINT GASKETS SHALL BE RUBBER O-RING TYPE (NATURAL OR SYNTHETIC) OR PREFORMED MASTIC (RAM-NEK, HAMILTON-KENT OR APPROVED EQUAL). A MIN. 12" WIDE, EXTERNAL RUBBER JOINT WRAP SHALL BE INSTALLED ON ALL BELOW-GRADE PRECAST CONCRETE MANHOLE JOINTS.

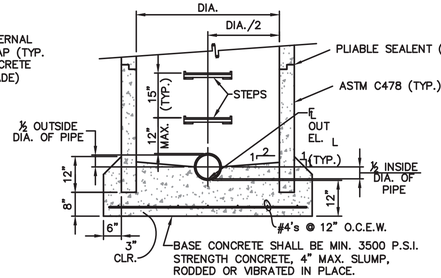
NOTE: COMPACTED BACKFILL, SLOPED FROM MANHOLE FRAME TO EXISTING GRADE SHALL BE PROVIDED AROUND ALL MANHOLES EXCEPT THOSE WITHIN STREET PAVEMENT.



MANHOLE GRADING DETAIL
N.T.S.

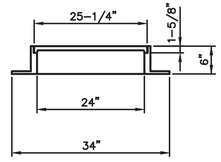


SECTION



SECTION

CAST-IN-PLACE MANHOLE BASE DETAILS N.T.S.



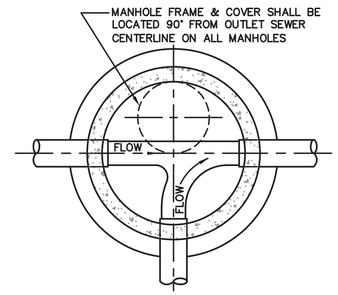
STD. FRAME & COVER, NEENAH R-1573 OR APPROVED EQUAL

TOTAL WEIGHT OF FRAME & COVER, 400 LBS. (MIN.)

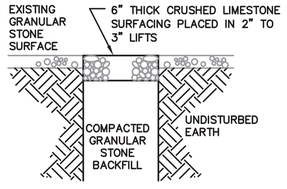
MANHOLE FRAME & COVER DETAIL
N.T.S.

NOTES:

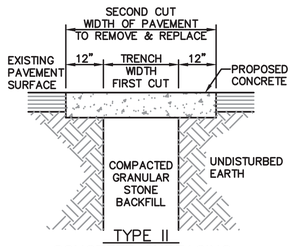
INVERTS COMING IN AT ELEVATION HIGHER THAN THE OUTLET INVERT SHALL BE FILLETED TO A UNIFORM SLOPE BETWEEN INLET AND OUTLET INVERTS. INVERTS COMING INTO THE MANHOLE AT AN ANGLE WITH THE OUTLET PIPE SHALL BE CURVED INTO THE OUTLET CHANNEL. FLOW CHANNEL THRU ALL MANHOLES SHALL CONFORM TO ½ THE INSIDE DIAMETER OF THE SEWER PIPE CROSS SECTION. ½ SECTION OF SEWER PIPE MAY BE USED ON STRAIGHT RUNS THROUGH MANHOLES FOR FLOW CHANNEL.



PLAN – TYPICAL ALL MANHOLES
N.T.S.



TYPE I
CRUSHED STONE SURFACING



TYPE II
CONCRETE SURFACING

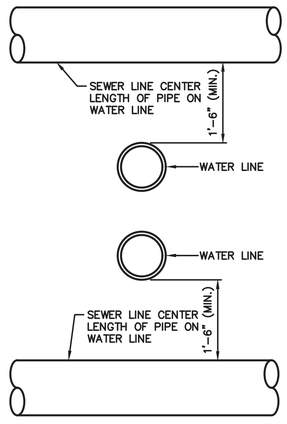
PAVEMENT REPAIR DETAIL
N.T.S.

NOTES:

PAVEMENT SHALL BE REMOVED AT THE TRENCH WIDTH AFTER THE FIRST CUT WITHOUT DAMAGE TO ADJACENT PAVEMENT.

AFTER TRENCH IS PROPERLY BACKFILLED, PAVEMENT SHALL BE CUT AND REMOVED AN ADDITIONAL 12" ON EACH SIDE OF THE FIRST SAW CUT, AS SHOWN. THE SECOND CUT SHALL BE SAWN TO FULL DEPTH OF THE EXISTING SURFACE.

ALL EXISTING PAVEMENT SHALL BE REPLACED WITH A MINIMUM OF 6" OF CONCRETE OR A CONCRETE THICKNESS EQUAL TO THE EXISTING PAVEMENT THICKNESS PLUS TWO INCHES, WHICHEVER IS GREATER. SPECIAL REQUEST FOR USE OF ASPHALT SHALL BE SUBMITTED IN WRITING TO THE CITY. IF APPROVED, THE CITY SHALL ISSUE A WRITTEN APPROVAL.



NOTE:
IF 18" SEPARATION CANNOT BE ACHIEVED, THE ENGINEER SHALL BE NOTIFIED TO DETERMINE AN APPROPRIATE REMEDY.

WATER CROSSING DETAIL
NTS

STATE OF MISSOURI
MICHAEL L. PARSON, GOVERNOR

CIVIL ENGINEER: GARRETT D. WAGNER
LICENSE NO. PE-2019000226

STATE OF MISSOURI
GARRETT D. WAGNER
NUMBER PE-2019000226
2/15/24
PROFESSIONAL ENGINEER

ALLGEIER, MARTIN and ASSOCIATES, INC.
CONSULTING ENGINEERS AND SURVEYORS
7233 EAST 2ND STREET JOPLIN, MISSOURI 64804 (417) 680-7200

OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT,
DESIGN AND CONSTRUCTION

MISSOURI NATIONAL GUARD

CONNECT CAMP CLARK TO CITY OF NEVADA SEWER SYSTEM

CAMP CLARK

NEVADA, MISSOURI

PROJECT # T2301-02
SITE # 6274
ASSET # 8136274075

REVISION:
DATE:
REVISION:
DATE:
REVISION:
DATE:
ISSUE DATE: 06/14/2024

CAD DWG FILE:
DRAWN BY: AWW
CHECKED BY: SCW
DESIGNED BY: GDW

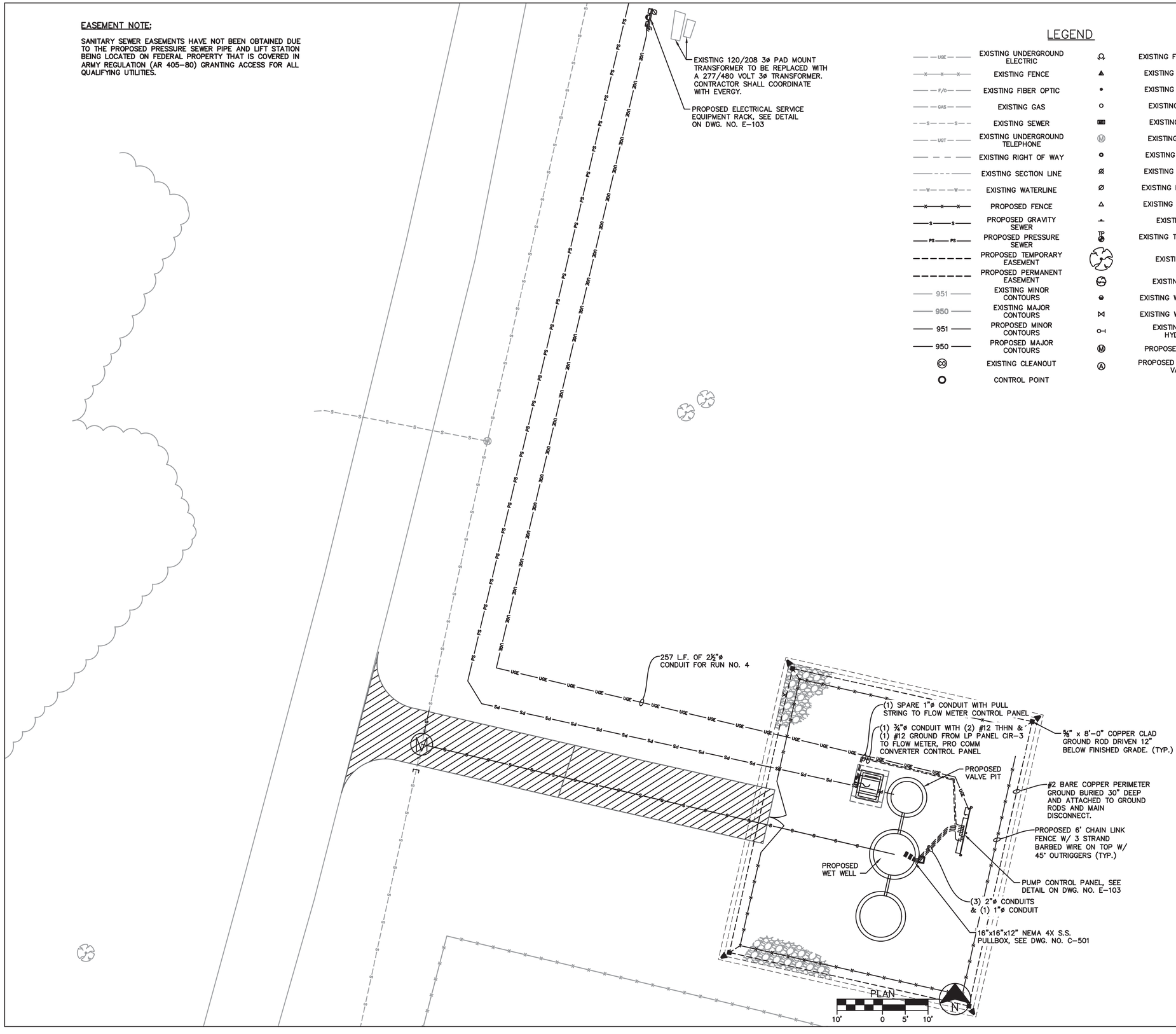
SHEET TITLE:
STANDARD CONSTRUCTION DETAILS

SHEET NUMBER:
C-504

20 OF 23 SHEETS

EASEMENT NOTE:

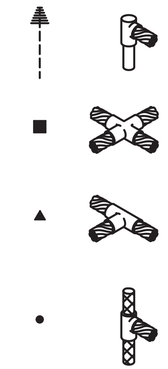
SANITARY SEWER EASEMENTS HAVE NOT BEEN OBTAINED DUE TO THE PROPOSED PRESSURE SEWER PIPE AND LIFT STATION BEING LOCATED ON FEDERAL PROPERTY THAT IS COVERED IN ARMY REGULATION (AR 405-80) GRANTING ACCESS FOR ALL QUALIFYING UTILITIES.



LEGEND

EXISTING UNDERGROUND ELECTRIC	EXISTING FIRE HYDRANT
EXISTING FENCE	EXISTING GAS METER
EXISTING FIBER OPTIC	EXISTING GAS VALVE
EXISTING GAS	EXISTING IRON PIN
EXISTING SEWER	EXISTING MAILBOX
EXISTING UNDERGROUND TELEPHONE	EXISTING MANHOLE
EXISTING RIGHT OF WAY	EXISTING PIPE POST
EXISTING SECTION LINE	EXISTING LIGHT POLE
EXISTING WATERLINE	EXISTING POWER POLE
PROPOSED FENCE	EXISTING RW MARKER
PROPOSED GRAVITY SEWER	EXISTING SIGN
PROPOSED PRESSURE SEWER	EXISTING TELEPEDESTAL
PROPOSED TEMPORARY EASEMENT	EXISTING TREE
PROPOSED PERMANENT EASEMENT	EXISTING SHRUB
EXISTING MINOR CONTOURS	EXISTING WATER METER
EXISTING MAJOR CONTOURS	EXISTING WATER VAVLE
PROPOSED MINOR CONTOURS	EXISTING WATER HYDRANT
PROPOSED MAJOR CONTOURS	PROPOSED MANHOLE
EXISTING CLEANOUT	PROPOSED AIR RELEASE VALVE
CONTROL POINT	

GROUNDING LEGEND



STATE OF MISSOURI
MICHAEL L. PARSON, GOVERNOR

CIVIL ENGINEER: GARRETT D. WAGNER
LICENSE NO. PE-2019000226

STATE OF MISSOURI
GARRETT D. WAGNER
Camp Clark Sewer
NUMBER PE-2019000226
3/26/25
PROFESSIONAL ENGINEER

ALLGEIER, MARTIN and ASSOCIATES, INC.
CONSULTING ENGINEERS AND SCIENTISTS
7101 EAST 2nd STREET JOPLIN, MISSOURI 64804 (417) 680-7200

OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION

MISSOURI NATIONAL GUARD

CONNECT CAMP CLARK TO CITY OF NEVADA SEWER SYSTEM

CAMP CLARK

NEVADA, MISSOURI

PROJECT # T2301-02
SITE # 6274
ASSET # 8136274075

REVISION: EASEMENTS
DATE: 03-26-2024
REVISION:
DATE:
REVISION:
DATE:
ISSUE DATE: 06/14/2024

CAD DWG FILE:
DRAWN BY: AWW
CHECKED BY: SCW
DESIGNED BY: GDW

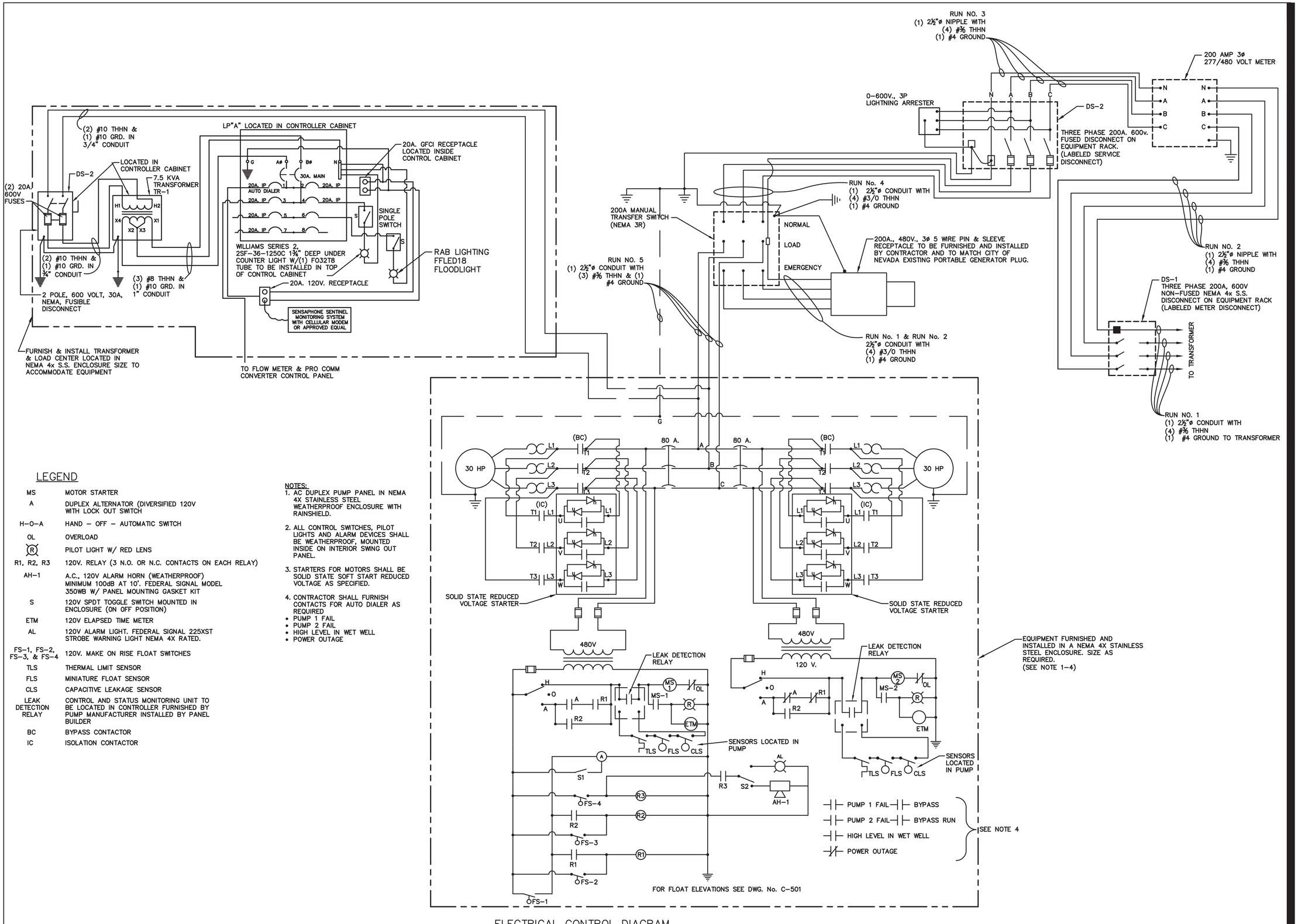
SHEET TITLE:

LIFT STATION ELECTRICAL

SHEET NUMBER:

E-101

21 OF 23 SHEETS



ELECTRICAL CONTROL DIAGRAM

LEGEND

MS	MOTOR STARTER
A	DUPLEX ALTERNATOR (DIVERSIFIED 120V WITH LOCK OUT SWITCH
H-O-A	HAND - OFF - AUTOMATIC SWITCH
OL	OVERLOAD
(R)	PILOT LIGHT W/ RED LENS
R1, R2, R3	120V. RELAY (3 N.O. OR N.C. CONTACTS ON EACH RELAY)
AH-1	A.C., 120V ALARM HORN (WEATHERPROOF) MINIMUM 100dB AT 10'. FEDERAL SIGNAL MODEL 350WB W/ PANEL MOUNTING GASKET KIT
S	120V SPDT TOGGLE SWITCH MOUNTED IN ENCLOSURE (ON OFF POSITION)
ETM	120V ELAPSED TIME METER
AL	120V ALARM LIGHT. FEDERAL SIGNAL 225XST STROBE WARNING LIGHT NEMA 4X RATED.
FS-1, FS-2, FS-3, & FS-4	120V. MAKE ON RISE FLOAT SWITCHES
TLS	THERMAL LIMIT SENSOR
FLS	MINIATURE FLOAT SENSOR
CLS	CAPACITIVE LEAKAGE SENSOR
LEAK DETECTION RELAY	CONTROL AND STATUS MONITORING UNIT TO BE LOCATED IN CONTROLLER FURNISHED BY PUMP MANUFACTURER INSTALLED BY PANEL BUILDER
BC	BYPASS CONTACTOR
IC	ISOLATION CONTACTOR

NOTES:
1. AC DUPLEX PUMP PANEL IN NEMA 4X STAINLESS STEEL WEATHERPROOF ENCLOSURE WITH RAINSHIELD.
2. ALL CONTROL SWITCHES, PILOT LIGHTS AND ALARM DEVICES SHALL BE WEATHERPROOF, MOUNTED INSIDE ON INTERIOR SWING OUT PANEL.
3. STARTERS FOR MOTORS SHALL BE SOLID STATE SOFT START REDUCED VOLTAGE AS SPECIFIED.
4. CONTRACTOR SHALL FURNISH CONTACTS FOR AUTO DIALER AS REQUIRED
   - PUMP 1 FAIL
   - PUMP 2 FAIL
   - HIGH LEVEL IN WET WELL
   - POWER OUTAGE

STATE OF MISSOURI
MICHAEL L. PARSON, GOVERNOR

CIVIL ENGINEER: GARRETT D. WAGNER
LICENSE NO. PE-2019000226

STATE OF MISSOURI
GARRETT D. WAGNER
Camp Clark Sewer
NUMBER PE-2019000226
6/3/24
PROFESSIONAL ENGINEER

ALLGEIER, MARTIN and ASSOCIATES, INC.
CONSULTING ENGINEERS and SURVEYORS
7233 EAST 2nd STREET JOPLIN, MISSOURI 64804 (417) 680-7200

OFFICE OF ADMINISTRATION
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MISSOURI
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CONNECT CAMP CLARK
TO CITY OF NEVADA
SEWER SYSTEM

CAMP CLARK

NEVADA, MISSOURI

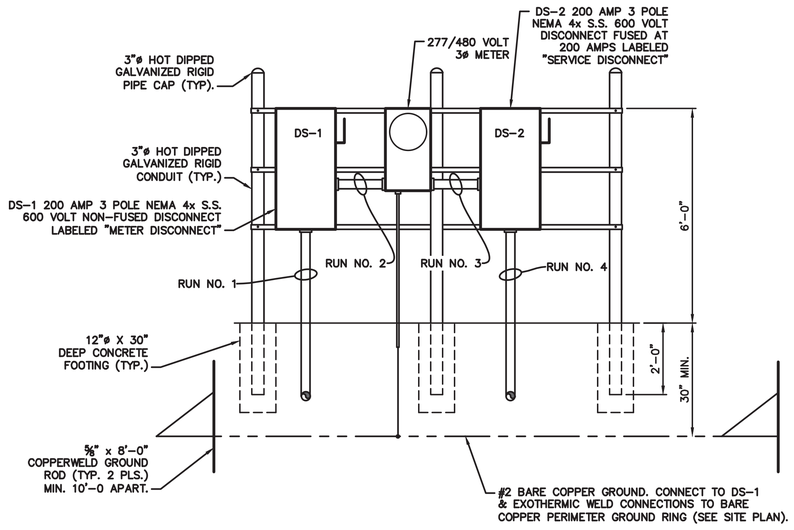
PROJECT # T2301-02
SITE # 6274
ASSET # 8136274075

REVISION: AUTO DIALER
DATE: 06/03/2024
REVISION:
DATE:
REVISION:
DATE:
ISSUE DATE: 06/14/2024

CAD DWG FILE:
DRAWN BY: AWW
CHECKED BY: SCW
DESIGNED BY: GDW

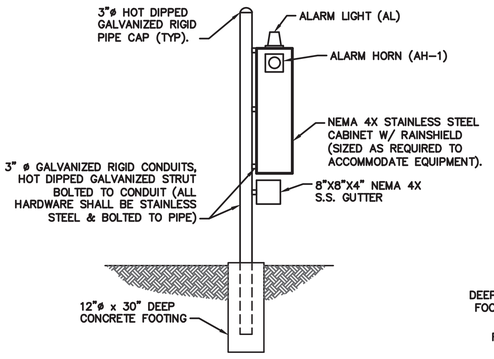
SHEET TITLE:
LIFT STATION
ELECTRICAL
CONTROL DIAGRAM

SHEET NUMBER:
E-102



ELECTRICAL SERVICE EQUIPMENT RACK – FRONT ELEVATION

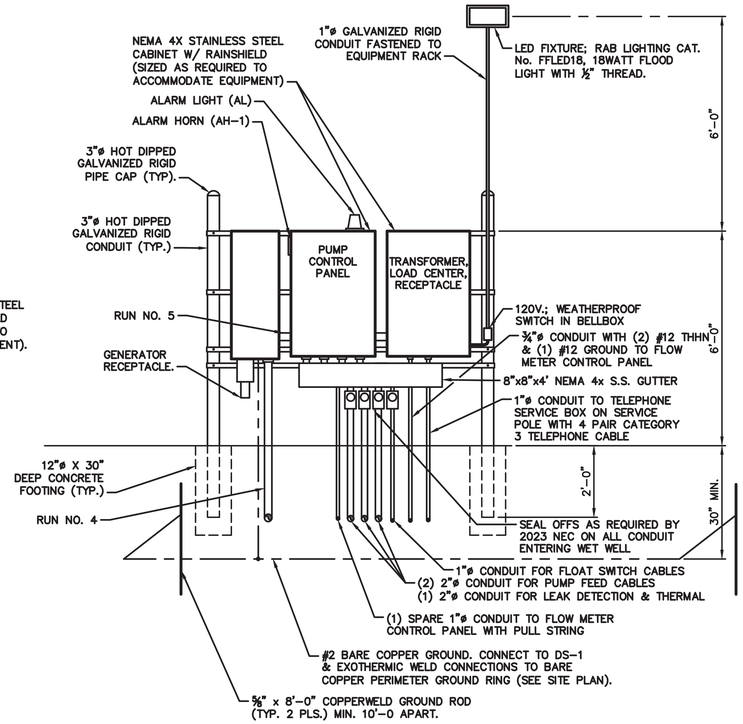
N.T.S.



PUMP CONTROL PANEL – END ELEVATION

N.T.S.

NOTE:
ALL EXPOSED CONDUIT ABOVE GRADE SHALL BE GALVANIZED RIGID.



PUMP CONTROL PANEL – FRONT ELEVATION

N.T.S.

STATE OF MISSOURI
MICHAEL L. PARSON, GOVERNOR

CIVIL ENGINEER: GARRETT D. WAGNER
LICENSE NO. PE-2019000226

STATE OF MISSOURI
GARRETT D. WAGNER
NUMBER PE-2019000226
2/15/24
PROFESSIONAL ENGINEER

ALLGEIER, MARTIN and ASSOCIATES, INC.
CIVIL ENGINEERING ENVIRONMENTAL ARCHITECTURE
7211 EAST 24th STREET JOPLIN, MISSOURI 64804 (417) 623-7200

OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION

MISSOURI NATIONAL GUARD

CONNECT CAMP CLARK TO CITY OF NEVADA SEWER SYSTEM

CAMP CLARK

NEVADA, MISSOURI

PROJECT # T2301-02
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ASSET # 8136274075

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ISSUE DATE: 06/14/2024

CAD DWG FILE:
DRAWN BY: AWW
CHECKED BY: SCW
DESIGNED BY: GDW

SHEET TITLE:

LIFT STATION ELECTRICAL DETAILS

SHEET NUMBER:

E-103

23 OF 23 SHEETS