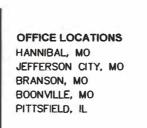
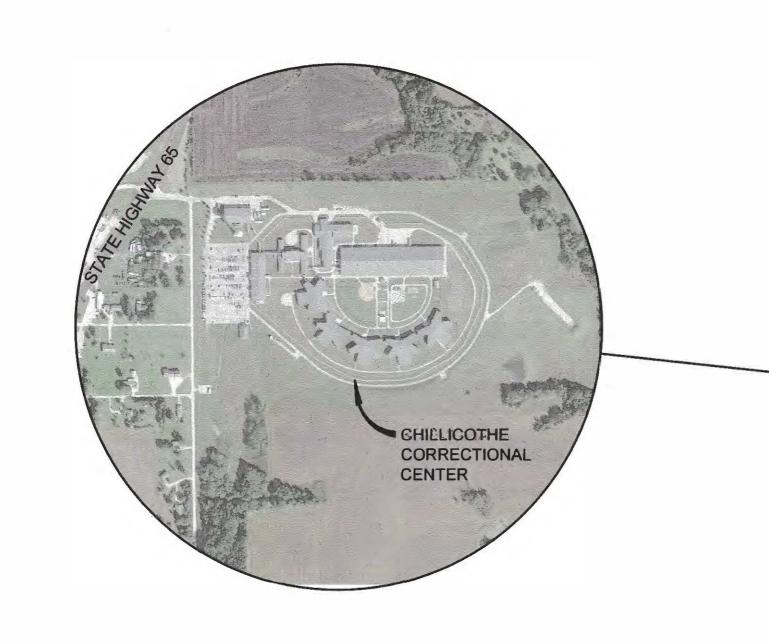
Replace Sewer Screening System Chillicothe Correctional Center 3151 Litton Road Chillicothe, Missouri







OWNER:

STATE OF MISSOURI

MICHAEL L. PARSON, GOVERNOR

DEPARTMENT OF CORRECTIONS

PROJECT

OFFICE OF ADMINISTRATION

MANAGEMENT: DIVISION OF FACILITIES MANAGEMENT,

DESIGN AND CONSTRUCTION

N LO

LOCATION MAP

INDEX OF SHEETS

SHEET NO.	SHEET DESCRIPTION
G-001	COVER SHEET / LOCATION MAP
C-101	EXISTING SITE CONDITIONS / ELECTRICAL SERVICE
C-102	SITE PLAN
A-101	BUILDING DETAILS
A-102	OVERHEAD DOOR DETAILS
M-501	EXISTING SCREEN & NEW DEWATERING SCREW PRESS UNIT DETAILS
M-502	GRINDER STATION DETAILS

DESIGNER:

MECO ENGINEERING COMPANY INC.

PROJECT NUMBER:

C2223-02

SITE NUMBER:

7030

ASSET NUMBER: 9327030038

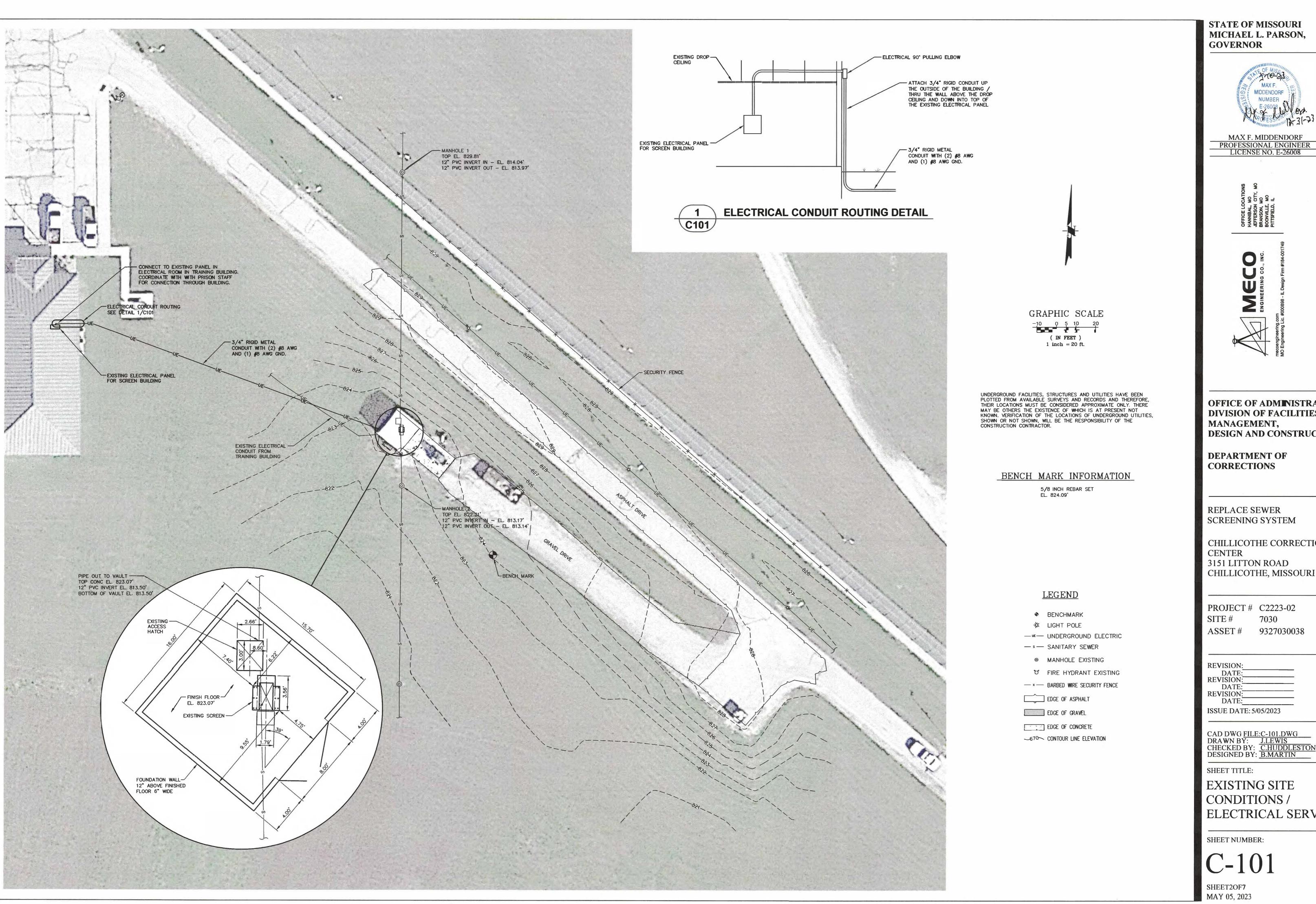
MISSOURI STATE CERTIFICATE OF AUTHORITY:

00273655



SHEET NUMBER:





STATE OF MISSOURI MICHAEL L. PARSON,



MAX F. MIDDENDORF PROFESSIONAL ENGINEER

OFFICE OF ADMINISTRATION **DIVISION OF FACILITIES** MANAGEMENT, **DESIGN AND CONSTRUCTION**

DEPARTMENT OF

REPLACE SEWER

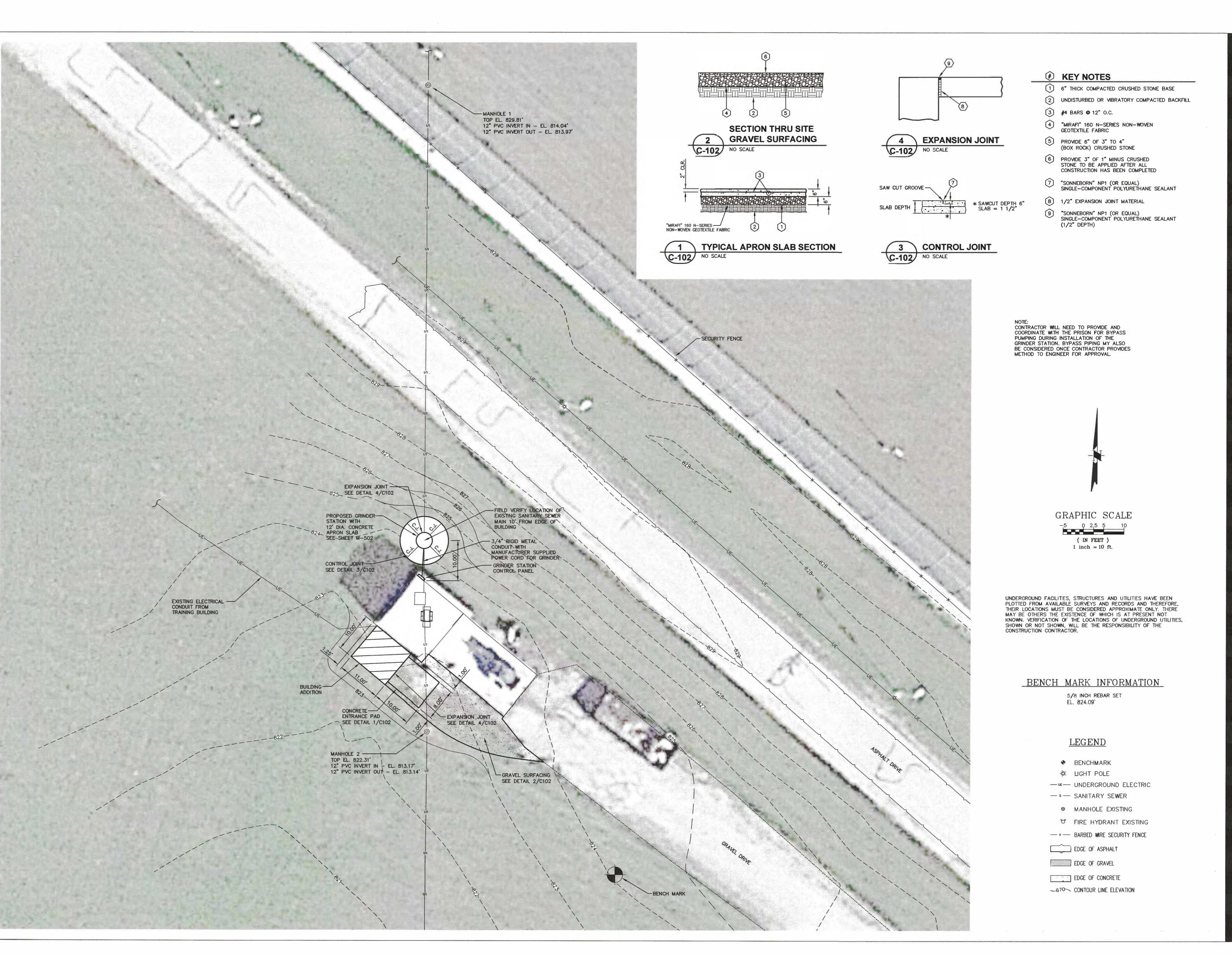
CHILLICOTHE CORRECTIONAL 3151 LITTON ROAD

PROJECT # C2223-02 9327030038

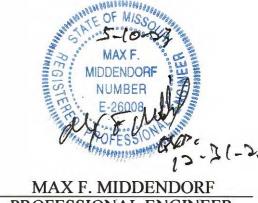
ISSUE DATE: 5/05/2023

CAD DWG FILE:C-101.DWG
DRAWN BY: J.LEWIS
CHECKED BY: C.HUDDLESTON
DESIGNED BY: B.MARTIN

EXISTING SITE CONDITIONS / ELECTRICAL SERVICE



STATE OF MISSOURI MICHAEL L. PARSON, **GOVERNOR**



MAX F. MIDDENDORF
PROFESSIONAL ENGINEER
LICENSE NO. E-26008

OFFICE OF ADMINISTRATION DIVISION OF FACILITIES MANAGEMENT, **DESIGN AND CONSTRUCTION**

DEPARTMENT OF CORRECTIONS

REPLACE SEWER SCREENING SYSTEM

CHILLICOTHE, MISSOURI

CHILLICOTHE CORRECTIONAL **CENTER** 3151 LITTON ROAD

PROJECT # C2223-02 9327030038

DATE: **REVISION**: DATE: **REVISION:** DATE: ISSUE DATE: 5/05/2023

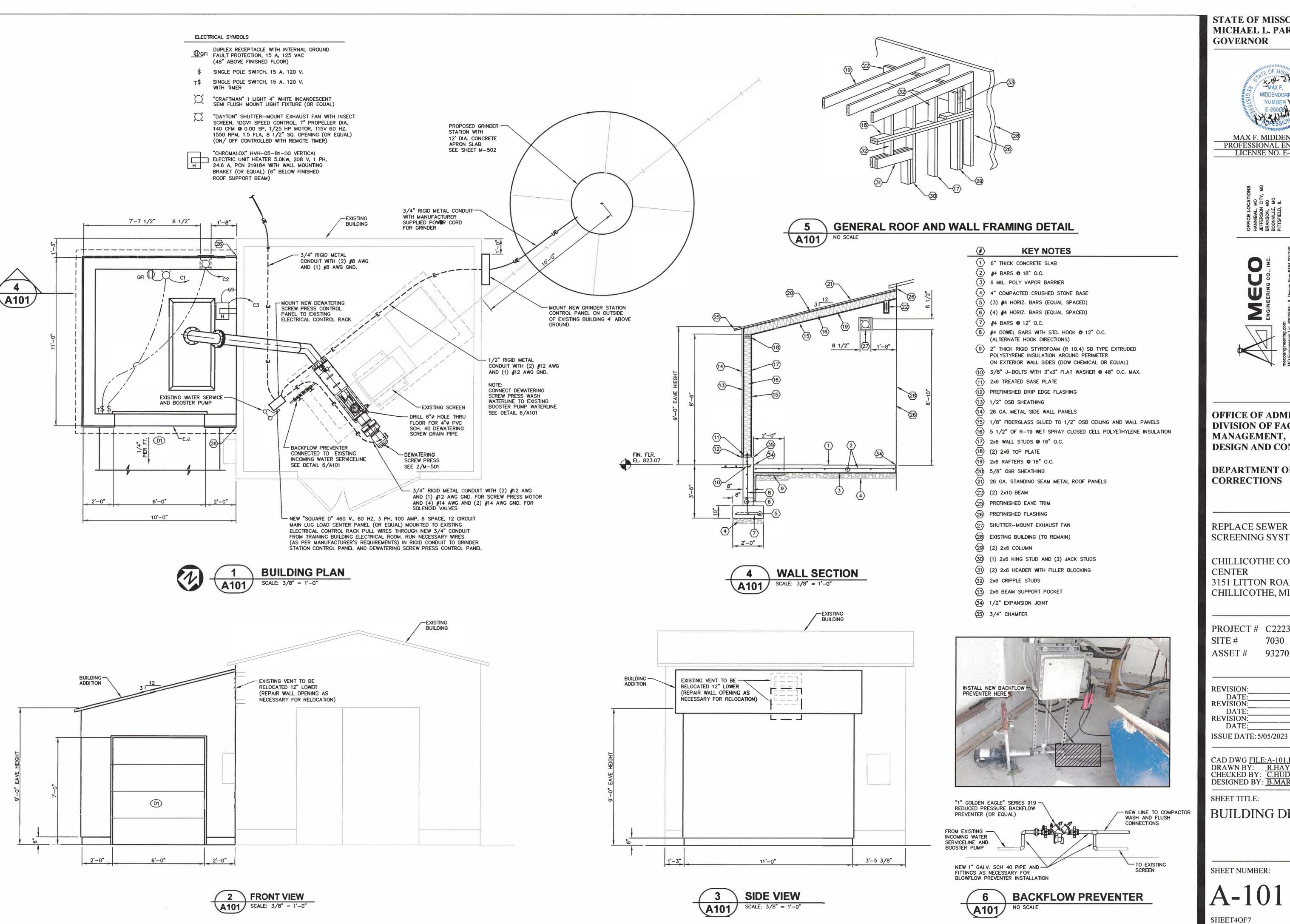
CAD DWG FILE:C-102.DWG
DRAWN BY: R.HAYES
CHECKED BY: C.HUDDLESTON
DESIGNED BY: B.MARTIN

SHEET TITLE:

SITE PLAN

SHEET NUMBER:

SHEET3OF7 MAY 05, 2023



STATE OF MISSOURI MICHAEL L. PARSON, **GOVERNOR**





OFFICE OF ADMINISTRATION **DIVISION OF FACILITIES** MANAGEMENT, **DESIGN AND CONSTRUCTION**

DEPARTMENT OF CORRECTIONS

REPLACE SEWER SCREENING SYSTEM

CHILLICOTHE CORRECTIONAL CENTER 3151 LITTON ROAD CHILLICOTHE, MISSOURI

PROJECT # C2223-02 9327030038

REVISION: DATE REVISION: REVISION: DATE

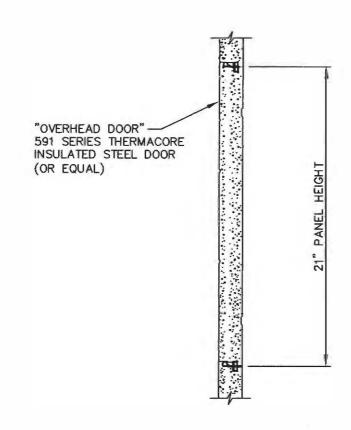
CAD DWG FILE:A-101.DWG DRAWN BY: R.HAYES CHECKED BY: C.HUDDLESTON DESIGNED BY: B.MARTIN

SHEET TITLE:

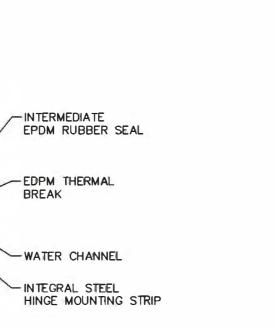
BUILDING DETAILS

SHEET NUMBER:

SHEET4OF7 MAY-05,-2023



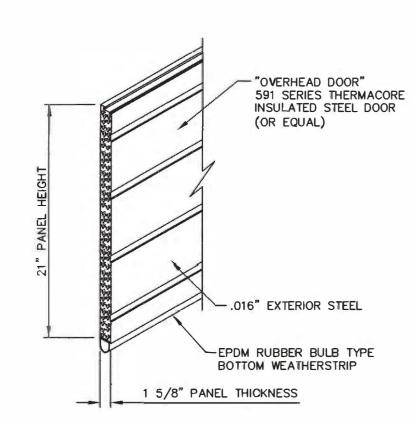




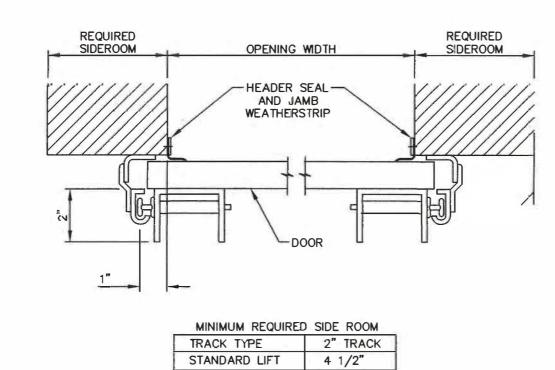
-INTERMEDIATE



CFC-FREE POLYURETHANE CORE





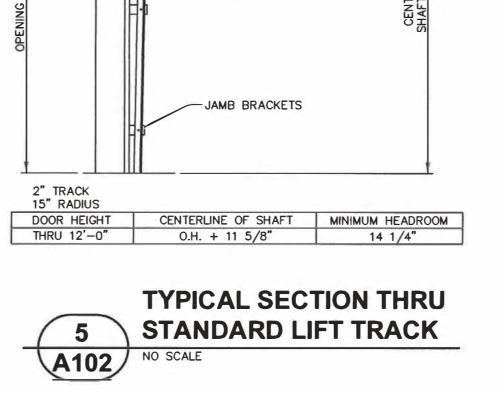




LIFT CLEARANCE 4 1/2"

591 SERIES SECTIONAL DOOR INFO.

OUT OF WIFE OF O	IOITAL DOOK IIII O.
PANEL THICKNESS	1 5/8"
R-VALUE	14.86
U-VALUE	.067
THERMAL BREAK	PVC
INTERIOR STEEL	.015" THICK GALVANIZED
EXTERIOR SURFACE	RIBBED, TEXTURED
FINISH	WHITE EXTERIOR / WHITE INTERIOR
END STILES	16 GAUGE



HORIZONTAL -

VERTICAL TRACK **ASSEMBLY**

TRACK ASSEMBLY

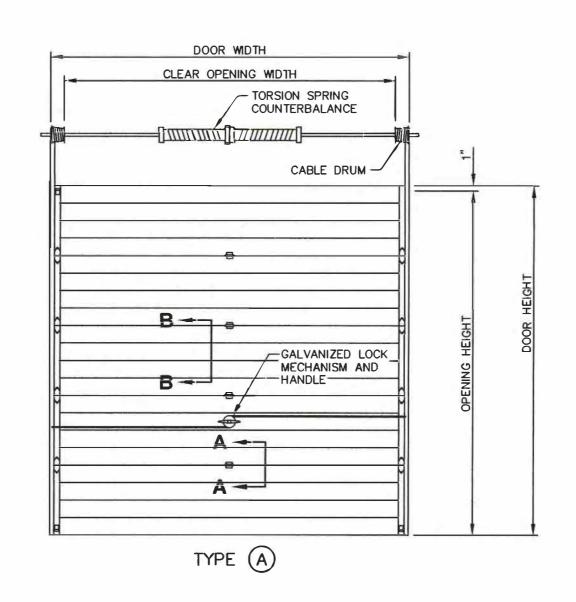
- HORIZONTAL TRACK ASSEMBLY

TRACK SUPPORT

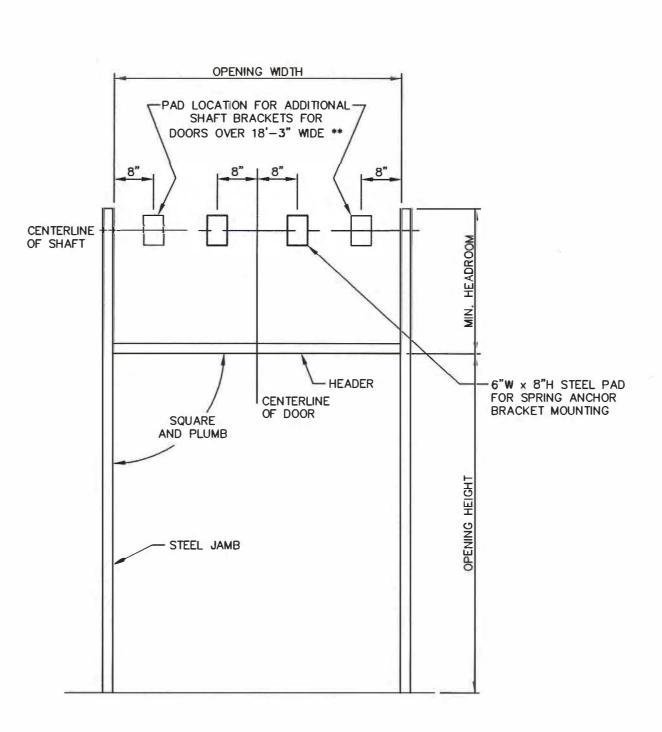
1 1/4" x 1 1/4" – PUNCHED ANLGE TRACK HANGER

WITH STN. STL.

MIH SIN. SIE.
BOLTS, NUTS
AND WASHERS.
BACKROOM - OPENING
HEIGHT + 18"





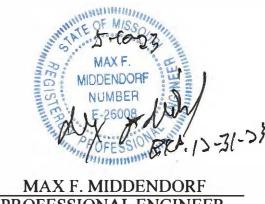


TRACK / FRAMING INTERIOR ELEVATION A102

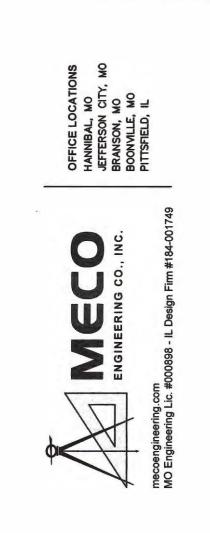
OVERHEAD DOOR SCHEDULE

		DOOR SIZE	LIFT		GLAZED	21"
D1 A 6	6 <u>0</u> W. x 7 <u>0</u> T.	6 2 W. x 7 2 T.	STANDARD LIFT	MANUAL	0	4

STATE OF MISSOURI MICHAEL L. PARSON, **GOVERNOR**



MAX F. MIDDENDORF PROFESSIONAL ENGINEER LICENSE NO. E-26008



OFFICE OF ADMINISTRATION DIVISION OF FACILITIES MANAGEMENT, **DESIGN AND CONSTRUCTION**

DEPARTMENT OF CORRECTIONS

REPLACE SEWER SCREENING SYSTEM

CHILLICOTHE CORRECTIONAL CENTER 3151 LITTON ROAD CHILLICOTHE, MISSOURI

PROJECT # C2223-02 7030 9327030038

REVISION: REVISION REVISION: DATE: ISSUE DATE: 5/05/2023

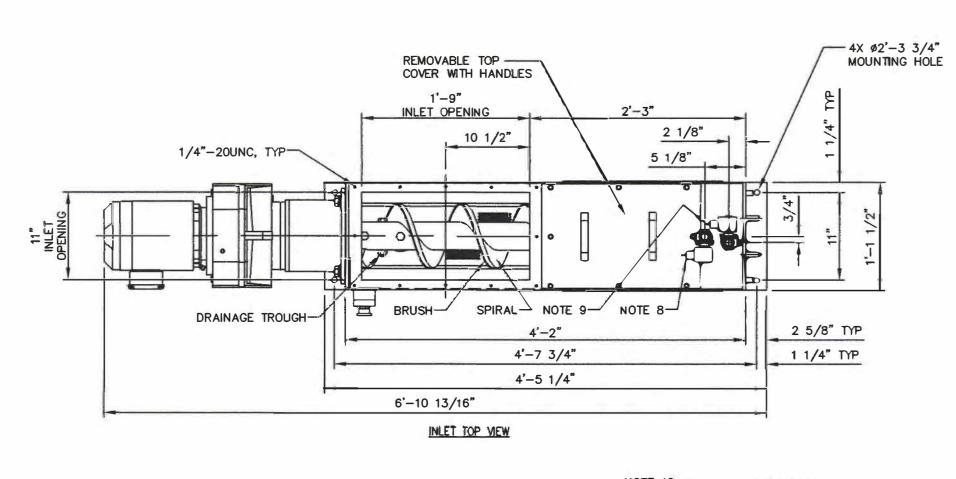
CAD DWG FILE:A-102.DWG
DRAWN BY: R.HAYES
CHECKED BY: C.HUDDLESTON
DESIGNED BY: B.MARTIN

SHEET TITLE:

OVERHEAD DOOR DETAILS

SHEET NUMBER:

SHEET5OF7 MAY 05, 2023

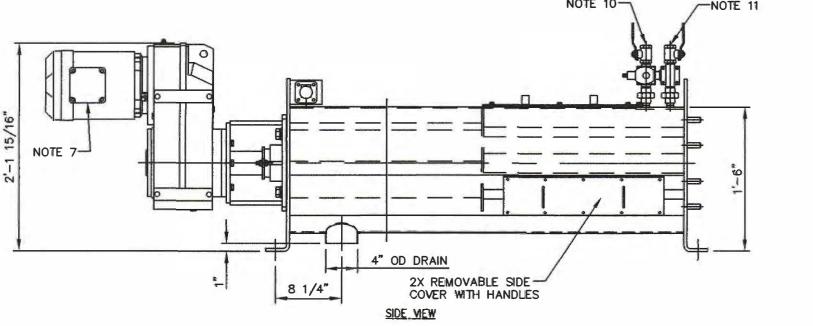


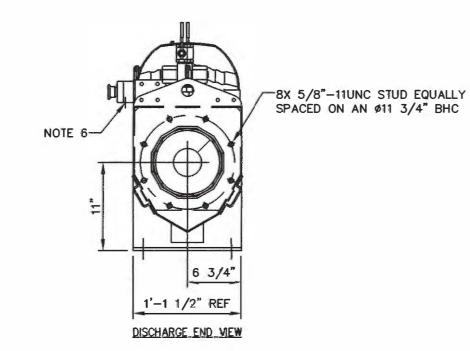
ALL 304L STAINLESS STEEL CONSTRUCTION EXCEPT FOR MOTOR, PEDITOR SPIRAL AND ELECTRICAL FLYTILESS.

- REDUCER, SPIRAL, AND ELECTRICAL FIXTURES.

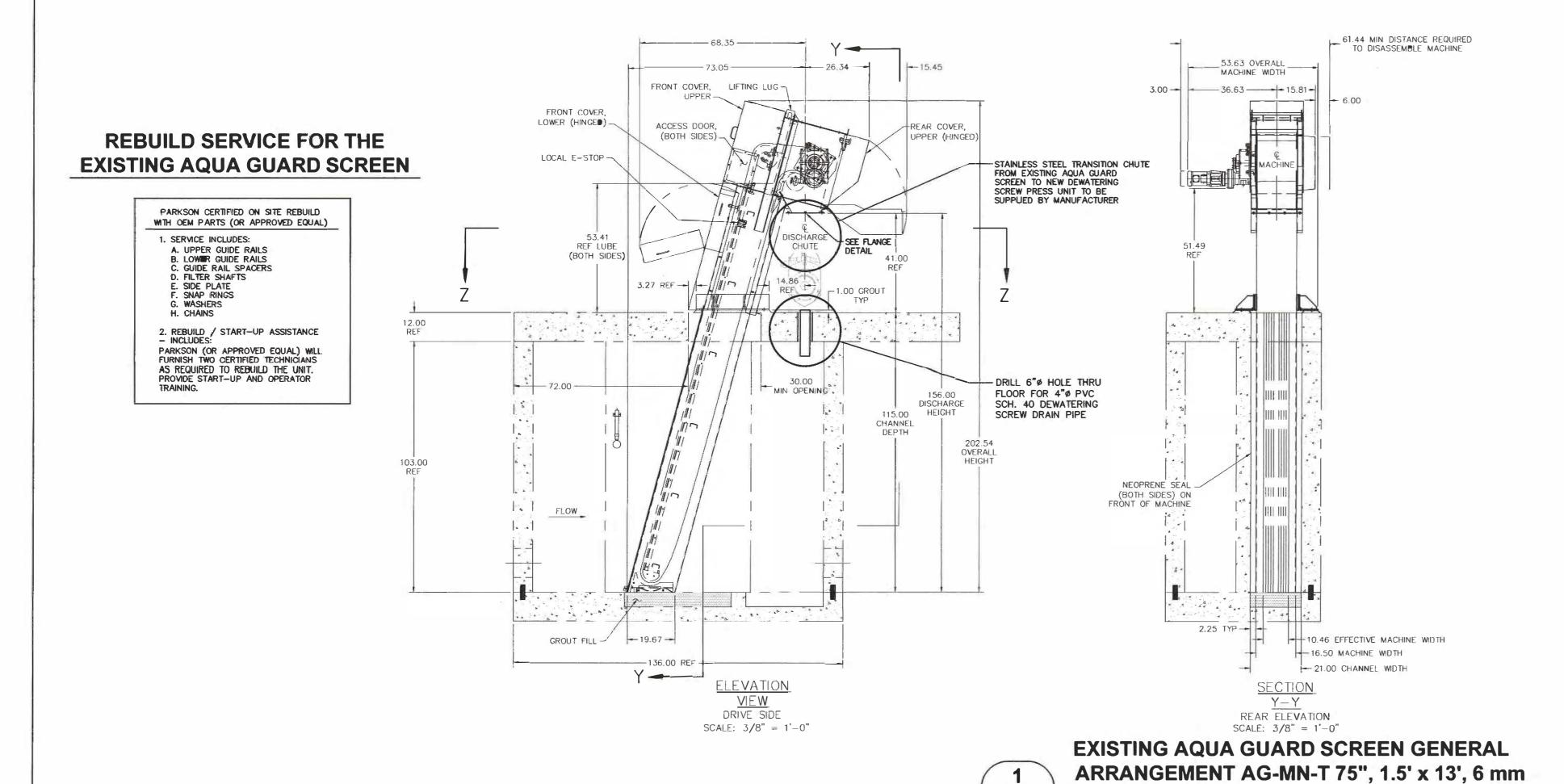
 2. DRIVE SYSTEM:
- A. MOTOR: 3 HP, 1800 RPM, 230/460 V, 3 PH, 60 HZ, TEFC
 B. REDUCER: HELICAL GEAR UNIT DIRECT COUPLED TO DRIVE SHAFT
 3. SPIRAL SPEED: 14 RPM
- 4. RECOMMENDED CLEARANCE TO BE 3' AROUND AND ABOVE UNIT.5. ALL DIMENSIONS WRITTEN IN FEET—INCHES UNLESS OTHERWISE SPECIFIED.
- 6. NEMA 4X LOCAL E-STOP: 1/2" NPT CONDUIT CONNECTION
- 7. MOTOR: 1X 1/2" NPT AND 1X 3/4" NPT CONDUIT CONNECTION
 8. NEMA 4X WASH SOLENOID VALVE: 1/2" NPT CONDUIT CONNECTION
- NEMA 4X WASH SOLENOID VALVE: 1/2" NPT CONDUIT CONNECTION
 NEMA 4X FLUSH SOLENOID VALVE: 1/2" NPT CONDUIT CONNECTION
- 10. WASH WATER SPRAY CONNECTION (10 GPM AT 60 PSI): 1/2" NPT
- 11. FLUSH WATER SPRAY CONNECTION (15 GPM AT 60 PSI): 1/2" NPT

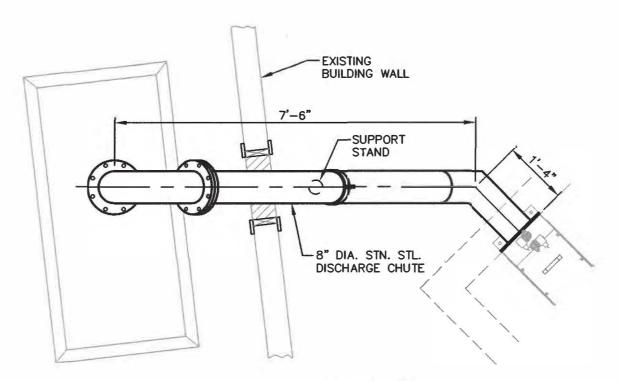
M-501



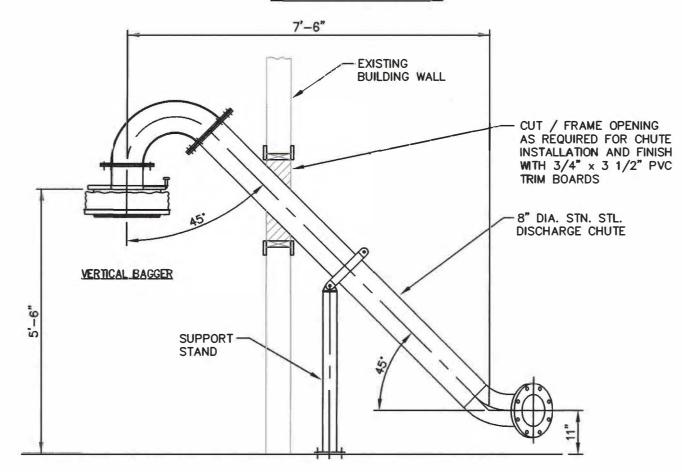


DEWATERING SCREW PRESS UNIT DETAILS M-501 SCALE: 1" = 1'-0"





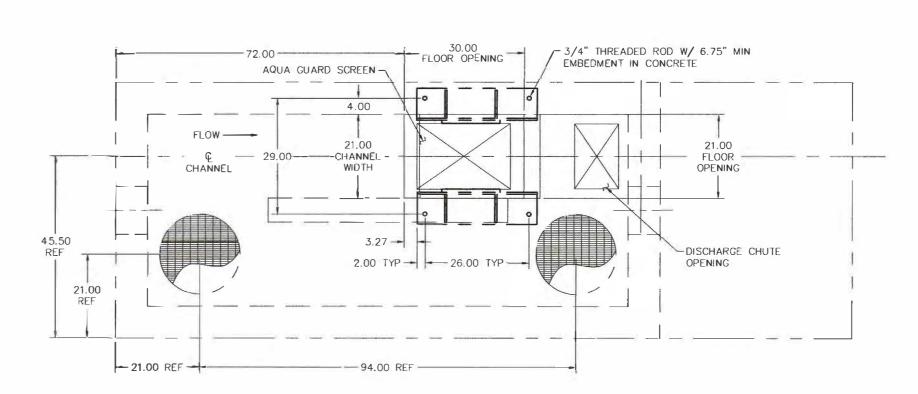
PLAN VIEW



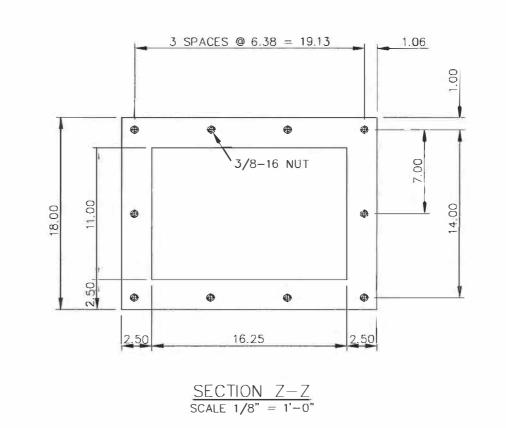
SIDE VIEW

DEWATERING SCREW PRESS UNIT
DISCHARGE CHUTE DETAILS

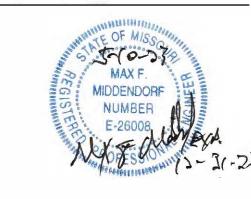
M-501 | SCALE: 1/2" = 1'-0"



 $\frac{\text{SECTION } Z - Z}{\text{SCALE } 1/2" = 1'-0"}$



STATE OF MISSOURI MICHAEL L. PARSON, GOVERNOR



MAX F. MIDDENDORF PROFESSIONAL ENGINEER LICENSE NO. E-26008



OFFICE OF ADMINISTRATION DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION

DEPARTMENT OF CORRECTIONS

REPLACE SEWER SCREENING SYSTEM

CHILLICOTHE CORRECTIONAL CENTER 3151 LITTON ROAD CHILLICOTHE, MISSOURI

PROJECT # C2223-02 SITE # 7030 ASSET # 9327030038

REVISION:
DATE:
REVISION:
DATE:
REVISION:
DATE:
REVISION:
DATE:
ISSUE DATE: 5/05/2023

CAD DWG FILE:M-501.DWG
DRAWN BY: R.HAYES
CHECKED BY: C.HUDDLESTON
DESIGNED BY: B.MARTIN

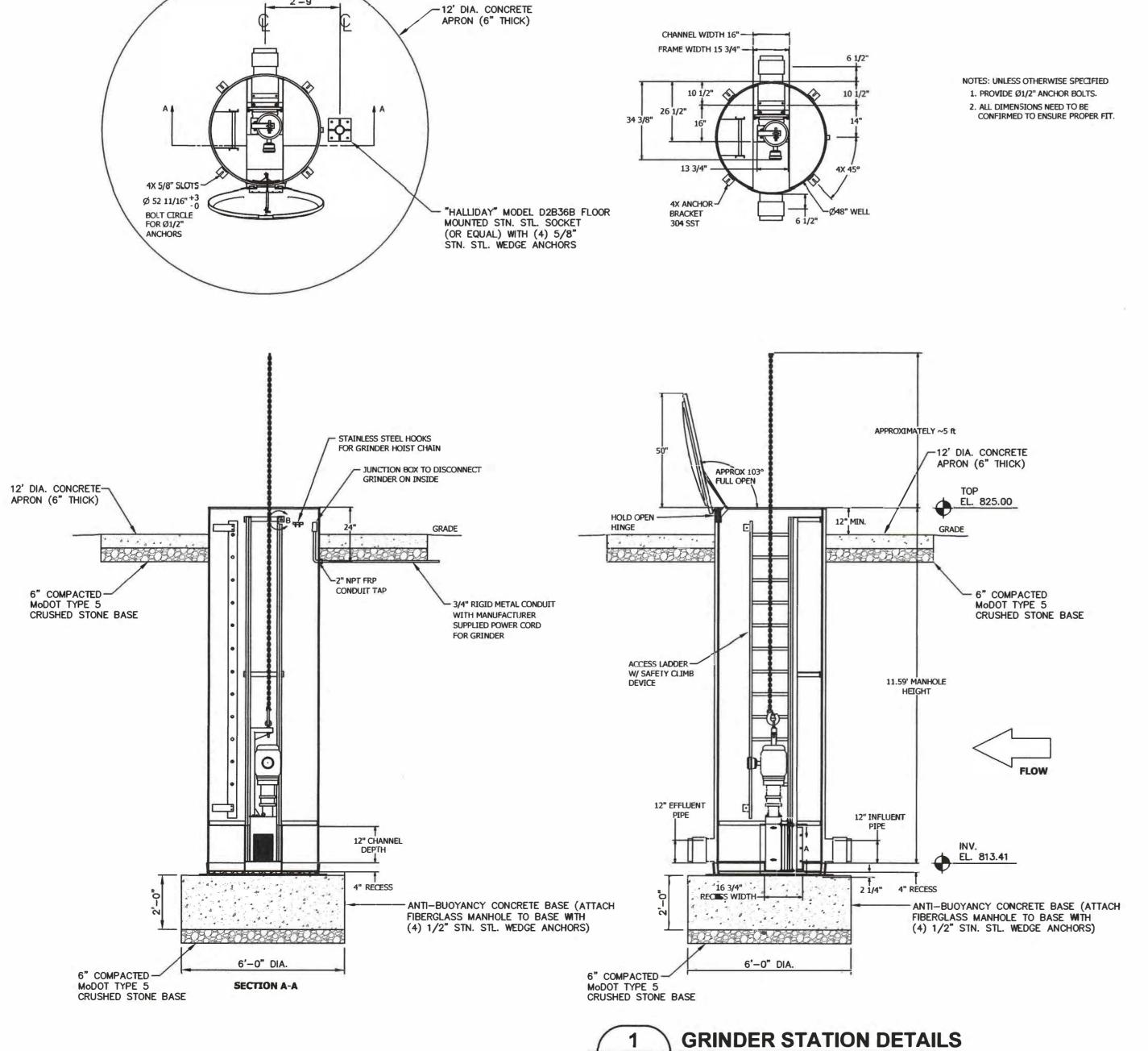
SHEET TITLE:

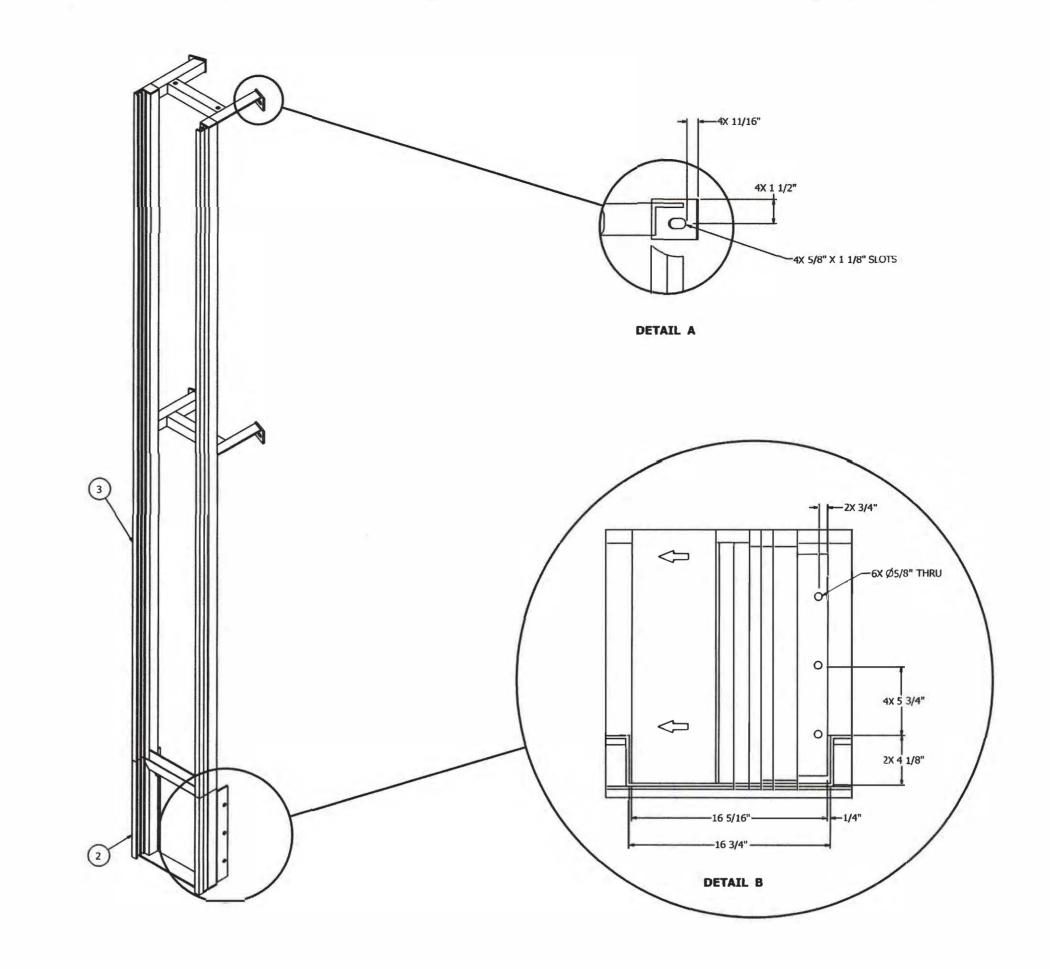
EXISTING SCREEN & NEW DEWATERING SCREW PRESS UNIT DETAILS

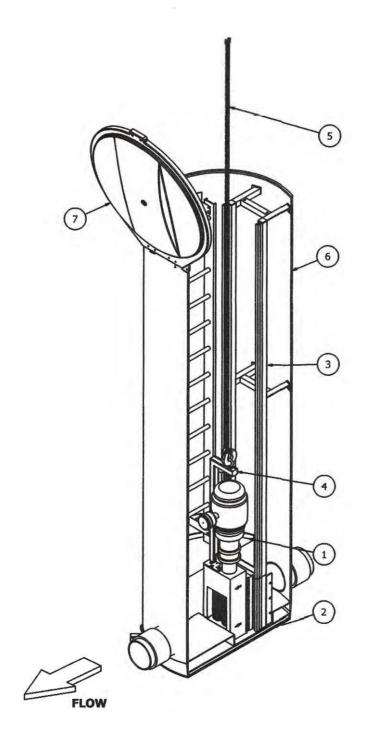
SHEET NUMBER:

M-501

SHEET6OF7 MAY 05, 2023







GRINDER STATION				
ITEM	DESCRIPTION	MATERIAL		
1	GRINDER 5 HP, 460 V, 3 PH, 60 HZ, 7 AMP	DUCTILE IRON		
2	ULTRAFRAME - CHANNEL	304 SST		
3	GUIDERAIL ASSY- ROUND WALL	304 SST		
4	LIFTING BAIL/POST	316 SST		
5	HAUL CHAIN ASSEMBLY, 13' LONG	316 SST		
6	48"Ø MANHOLE	FIBERGLASS		
7	48"Ø LOCKABLE LID	ALUMINUM		

STATE OF MISSOURI MICHAEL L. PARSON, **GOVERNOR**



PROFESSIONAL ENGINEER LICENSE NO. E-26008

OFFICE OF ADMINISTRATION DIVISION OF FACILITIES MANAGEMENT, **DESIGN AND CONSTRUCTION**

DEPARTMENT OF CORRECTIONS

REPLACE SEWER SCREENING SYSTEM

CHILLICOTHE CORRECTIONAL **CENTER** 3151 LITTON ROAD CHILLICOTHE, MISSOURI

PROJECT # C2223-02 9327030038

REVISION: DATE: **REVISION:** DATE: REVISION: DATE: ISSUE DATE: 5/05/2023

CAD DWG FILE:M-501.DWG
DRAWN BY: R.HAYES
CHECKED BY: C.HUDDLESTON
DESIGNED BY: B.MARTIN

SHEET TITLE:

GRINDER STATION DETAILS

SHEET NUMBER:

SHEET7OF7 MAY 05, 2023