

MIZZOU NORTH DEMOLITION

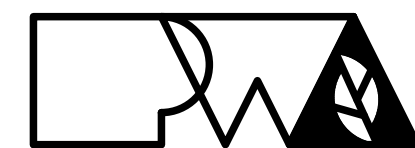
115 W. BUSINESS LOOP - 70
COLUMBIA, MO

Project CP219078
UNIVERSITY OF MISSOURI
FOR THE CURATORS OF THE UNIVERSITY OF MISSOURI
COLUMBIA, MISSOURI



PREPARED BY:

ARCHITECT



2120 FORUM BLVD., STE 101
COLUMBIA, MISSOURI 65203
OFFICE: 573.449.2683
WWW.PWARCHITECTS.COM

CIVIL ENGINEER



1113 FAY STREET
COLUMBIA, MISSOURI 65201
OFFICE: 573.449.2646
WWW.ESS-INC.COM

MEP ENGINEER



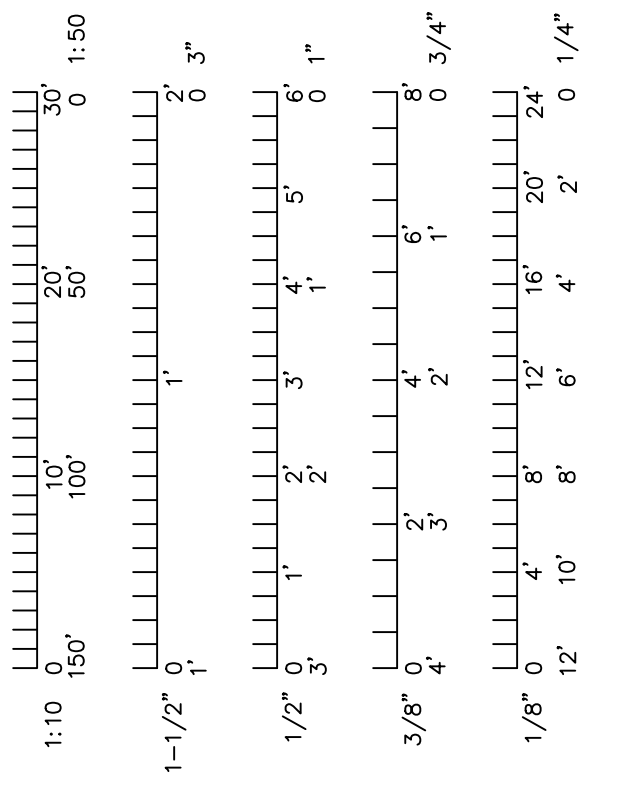
6 SOUTH OLD ORCHARD AVENUE
ST. LOUIS, MISSOURI 63119
OFFICE: 314.918.8383
WWW.ROSSBAR.COM

Issued for Bid:
September 13, 2022

"I HEREBY CERTIFY THESE DRAWINGS AND/OR SPECIFICATIONS HAVE BEEN PREPARED BY ME, OR UNDER MY SUPERVISION. I FURTHER CERTIFY THAT TO THE BEST OF MY KNOWLEDGE THESE DRAWINGS AND/OR SPECIFICATIONS ARE AS REQUIRED BY AND IN COMPLIANCE WITH THE BUILDING CODES OF THE UNIVERSITY OF MISSOURI."

SIGNATURE

PW ARCHITECTS, INC.
ISSUED: 09/13/2022



MEP:
Ross & Baruzzini

CIVIL:
ESS
Engineering Surveys
and Services
DELIVERING YOUR VISION™

ARCHITECT:

Peckham & Wright Architects, Inc., d.b.a.
PWArchitects, Inc.
2120 Forum Blvd., Ste. 101
Columbia, Missouri 65203
PWArchitects.com | 573.449.2683
Peckham & Wright Architects an Architectural Corporation
Missouri State Certificate of Authority No. 000244

ERIC S. ROBELLE
ARCHITECT
2022.09.13

Project CP219078
MIZZOU NORTH DEMOLITION
115 W BUSINESS LOOP 70
COLUMBIA, MO
University of Missouri
For: The Curators of the University of Missouri

Drawn:	Project Number:
ER	202214
Checked:	CAD File Name (Number):
ER	G001.DWG

Drawing Title:
COVER SHEET

No.	Revisions:	Date:

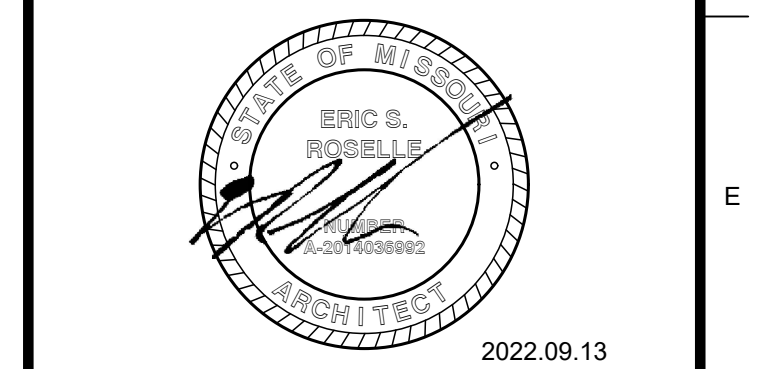
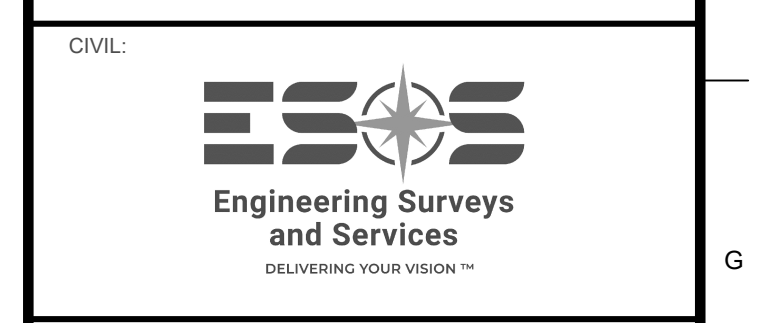
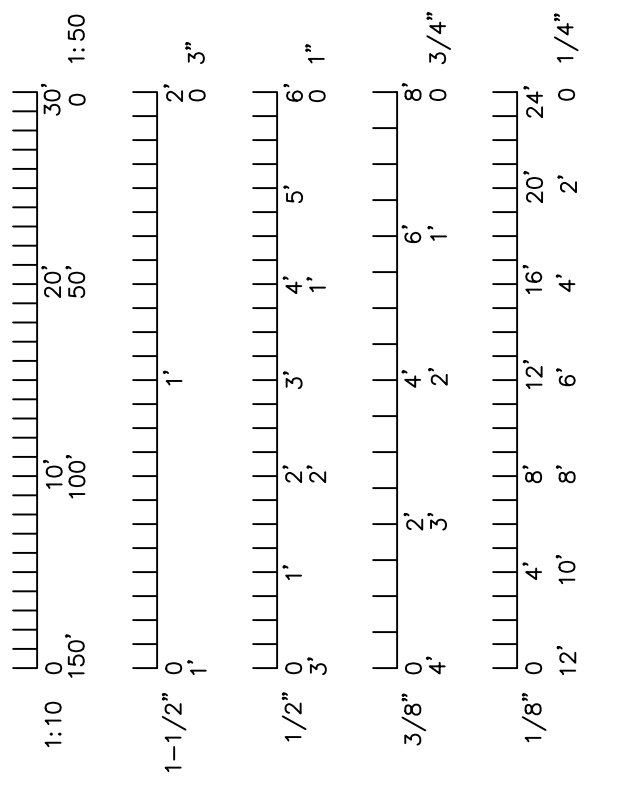
Submission Date:	Drawing Number:
09/13/2022	G001
Plot Date:	
08/15/2022	

LIST OF APPLICABLE CODES

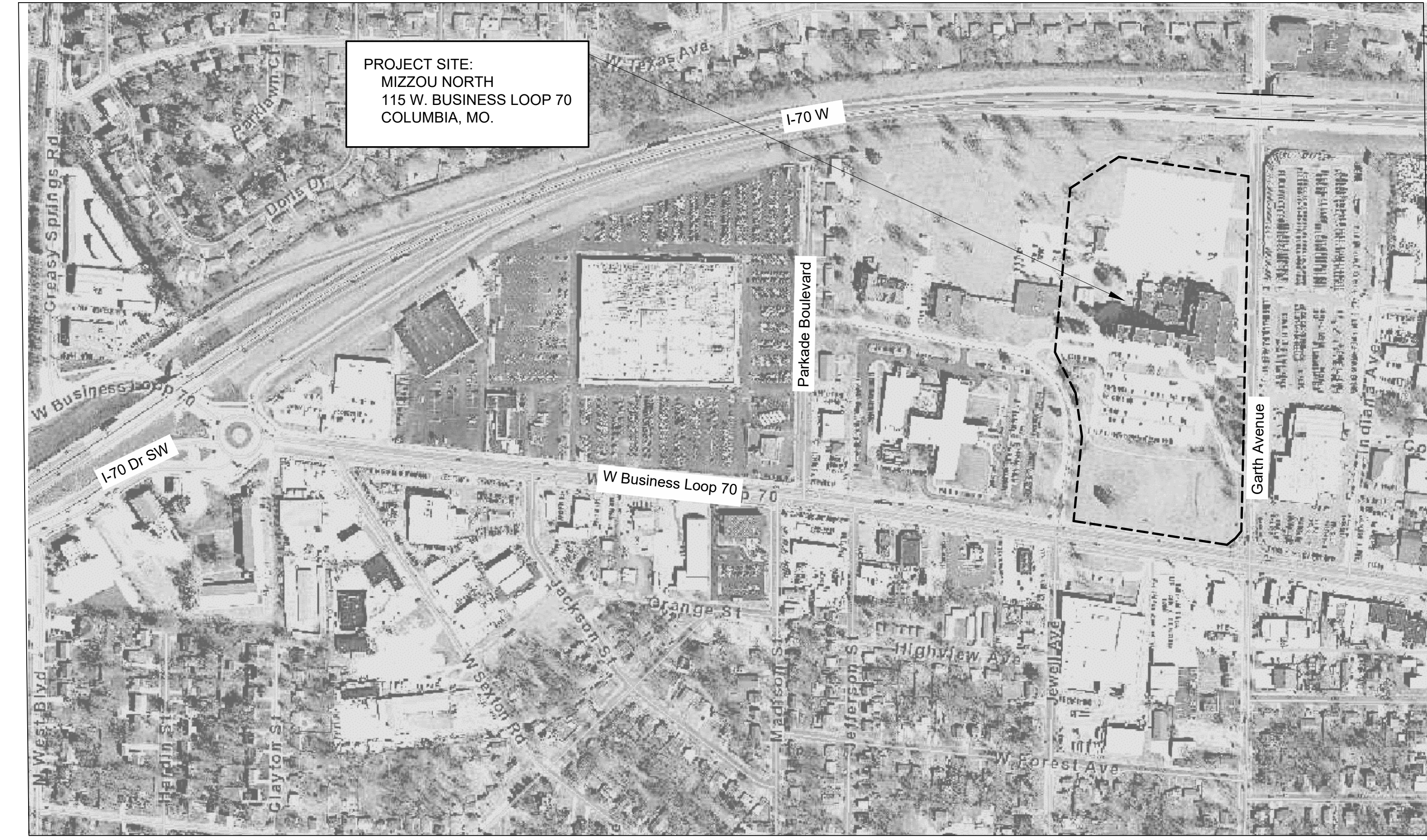
- INTERNATIONAL BUILDING CODE - 2021
- INTERNATIONAL PLUMBING CODE - 2021
- INTERNATIONAL MECHANICAL CODE - 2021
- INTERNATIONAL FIRE CODE - 2021
- INTERNATIONAL FUEL GAS CODE - 2021
- ICC A117.1 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES - 2017 (APPLICABLE SECTIONS PER CODE DETERMINATION 08)
- NATIONAL ELECTRIC CODE/NFPA 70 - 2020
- NFPA 110 STANDARD FOR EMERGENCY AND STANDBY POWER SYSTEMS - 2019
- NFPA 96 STANDARD FOR VENTILATING CONTROL AND FIRE PROTECTION OF COMMERCIAL COOKING OPERATIONS - 2017
- NFPA 90A INSTALLATION OF AIR CONDITIONING AND VENTILATING SYSTEMS - 2018
- NFPA 75 STANDARD FOR THE FIRE PROTECTION OF INFORMATION TECHNOLOGY EQUIPMENT - 2017
- NFPA 72 NATIONAL FIRE ALARM CODE - 2019
- NFPA 51B STANDARD FOR FIRE PREVENTION DURING WELDING, CUTTING, AND OTHER HOT WORK - 2019
- NFPA 45 STANDARD ON FIRE PROTECTION FOR LABORATORIES USING CHEMICALS - 2019
- NFPA 20 STANDARD FOR THE INSTALLATION OF STATIONARY FIRE PUMPS FOR FIRE PROTECTION - 2019
- NFPA 14 STANDARD FOR THE INSTALLATION OF STANDPIPE, PRIVATE HYDRANTS AND HOSE SYSTEMS - 2019
- NFPA 13 INSTALLATION OF FIRE SPRINKLER SYSTEMS - 2019
- ASHRAE 90.1 - ENERGY STANDARD FOR BUILDINGS - 2019
- ASME A17.1 - SAFETY CODE FOR ELEVATORS AND ESCALATORS - 2016
- AMERICANS WITH DISABILITIES ACT - STANDARDS FOR ACCESSIBLE DESIGN 2010

SHEET INDEX

- GENERAL**
- G001 COVER SHEET
 - G002 LOCATION MAP, LIST OF DRAWINGS, CODES
 - G003 SALVAGE ITEMS MATRIX
 - G004 SALVAGE - REFERENCE FLOOR PLANS
- EXISTING SURVEY (INCLUDED FOR REFERENCE ONLY)**
- V1.01 BOUNDARY & TOPOGRAPHIC SURVEY
 - V1.02 BOUNDARY & TOPOGRAPHIC SURVEY
 - V1.03 BOUNDARY & TOPOGRAPHIC SURVEY
 - V1.04 BOUNDARY & TOPOGRAPHIC SURVEY
 - V1.05 BOUNDARY & TOPOGRAPHIC SURVEY
 - V1.06 BOUNDARY & TOPOGRAPHIC SURVEY
 - V1.07 BOUNDARY & TOPOGRAPHIC SURVEY
- DEMOLITION**
- D101 DEMOLITION PLAN & EXISTING PHOTOS
- CIVIL**
- C0.01 COVER & GENERAL NOTES
 - C1.01 TEMPORARY TRAFFIC CONTROL PLAN
 - C1.02 TEMPORARY TRAFFIC CONTROL PLAN
 - C2.01 OVERALL EROSION CONTROL PLAN
 - C3.01 OVERALL SCOPE & KEY PLAN
 - C4.01 PHASE 1 DEMOLITION PLAN
 - C4.02 PHASE 2 DEMOLITION PLAN
 - C4.03 PHASE 2 DEMOLITION PLAN
 - C4.04 PHASE 2 DEMOLITION PLAN
 - C4.05 PHASE 2 DEMOLITION PLAN
 - C4.06 PHASE 2 DEMOLITION PLAN
 - C5.01 FINAL SITE PLAN AFTER DEMOLITION
 - C5.02 FINAL SITE PLAN AFTER DEMOLITION
 - C5.03 FINAL SITE PLAN AFTER DEMOLITION
 - C5.04 FINAL SITE PLAN AFTER DEMOLITION
 - C5.05 FINAL SITE PLAN AFTER DEMOLITION
 - C6.01 PHASE 1 GRADING PLAN
 - C6.02 PHASE 2 GRADING PLAN
 - C7.01 SITE & EROSION CONTROL DETAILS
 - C8.01 TEMPORARY TRAFFIC CONTROL DETAILS
- ELECTRICAL**
- E000 ELECTRICAL SYMBOLS, AND ABBREVIATIONS
 - E101 ELECTRICAL DEMOLITION PLAN - NORTH
 - E102 ELECTRICAL DEMOLITION PLAN - SOUTH
 - E201 ELECTRICAL NEW WORK PLAN - NORTH
 - E202 ELECTRICAL NEW WORK PLAN - SOUTH
 - E300 ELECTRICAL DETAILS



Drawn:	ER	Project Number:	202214
Checked:	ER	CAD File Name (Number):	G002.DWG
Drawing Title:			
LOCATION MAP, LIST OF DRAWINGS, CODES			
No.	Revisions:	Date:	
Submission Date:	09/13/2022	Drawing Number:	G002
Plot Date:	08/31/2022		



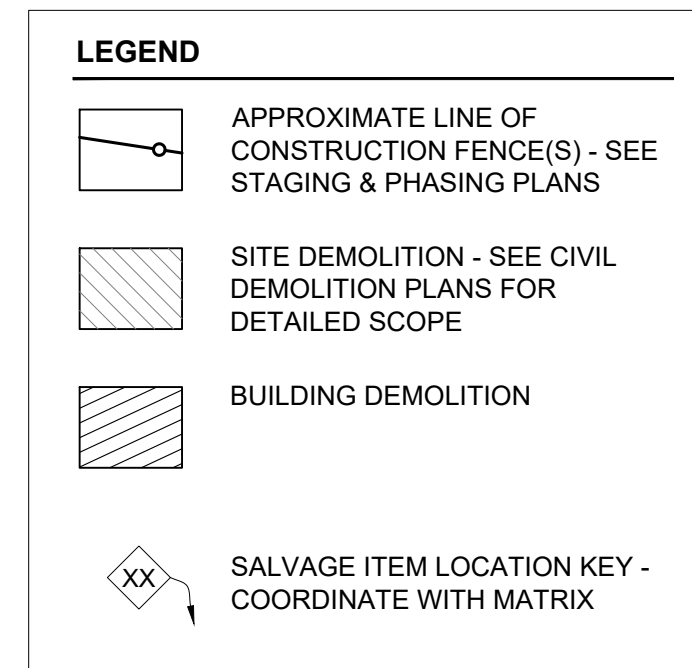
PROJECT SITE:
MIZZOU NORTH
115 W BUSINESS LOOP 70
COLUMBIA, MO.

LOCATION MAP
SCALE: N.T.S.

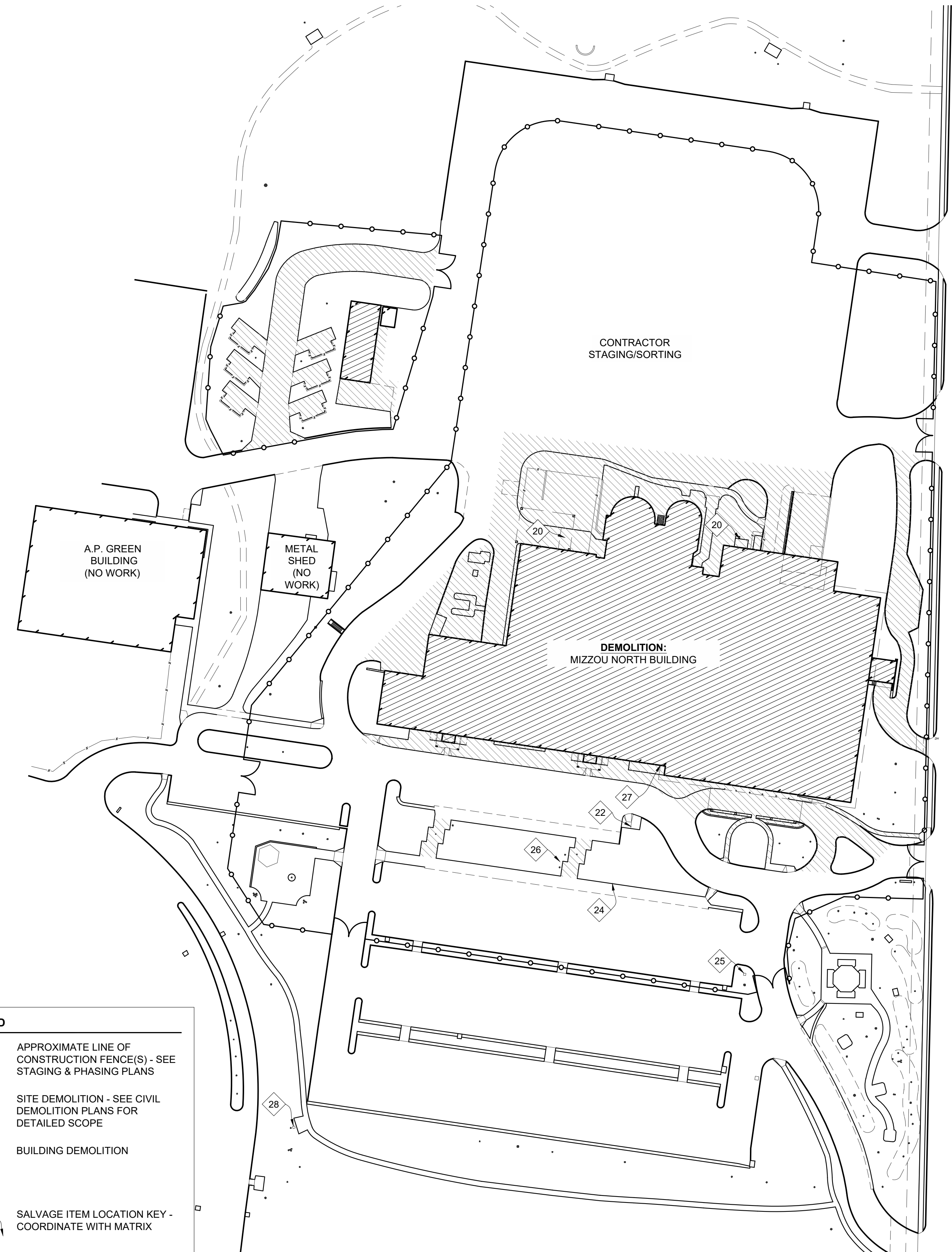
LOCATION REFERENCE	MU DEPT.	DESCRIPTION	SALVAGE BY OWNER BEFORE GC MOBILIZATION	SALVAGE BY OWNER DURING DEMOLITION; COORDINATE WITH OWNER	SALVAGE BY CONTRACTOR; RETURNED TO OWNER	CONTACT	NOTES
1	IT (DoIT)	DoIT to remove voice and data services and equipment from the telecom rooms and from wireless access points in coordination with the contractor.	X	X		Mike Anderson	IT equipment that services the elevator will remain in place and operational until the contractor confirms that the elevator is no longer needed.
2	Elevators	Decommission elevators; salvage of select equipment at elevators.		X		Tim McCray (Otis Elevator)	Owner has contracted with Otis Elevator to decommission elevators, including salvage of select equipment at elevators. Coordinate scheduling of elevator decommissioning activities with Otis (Tim McCray). Contractor may use elevators, at Contractor's option, upon contract award. Elevator use, safety, and maintenance shall be the Contractor's responsibility upon contract award
3	Key Shop	Key shop will remove cores from all locks where the cores will easily pull (cores will be de-pinned and recycled)	X			Rocky Rivers	
4		Will remove door hardware that can be used elsewhere on Campus.	X			Rocky Rivers	Exterior of the building will remain secure until the Demolition Contractor takes possession. (See note Salvage Items Matrix note 2)
5	Energy Management (EM)	Mizzou North - All of Energy Management electric sub metering including a roof mounted router. (This will not turn off any electric service.)	X			Chad Heckman	(See note Salvage Items Matrix note 2)
6		All the components in the plastic and metal Johnson Controls enclosures that we wish to keep.	X			Kevin Kaufman	(See note Salvage Items Matrix note 2)
7		All water and air differential pressure transmitters that we want to keep.	X			Kevin Kaufman	(See note Salvage Items Matrix note 2)
8		All components we wish to keep in the fiber optic enclosures and attached Leviton break out kits attached to them.	X			Kevin Kaufman	(See note Salvage Items Matrix note 2)
9		Any power supplies - RIB brand in enclosures.	X			Kevin Kaufman	(See note Salvage Items Matrix note 2)
10		Any VFD that is newer Toshiba models like Q9 or Q9+	X			Kevin Kaufman	(See note Salvage Items Matrix note 2)
11		All card readers, all card access controllers in their enclosures.	X			Kevin Kaufman	(See note Salvage Items Matrix note 2)
12		All CW temperature transmitters we wish to keep- only Pyromation brand.	X			Kevin Kaufman	(See note Salvage Items Matrix note 2)
13		Probe type temperature sensors in AHUs and ducts we wish to keep.	X			Kevin Kaufman	(See note Salvage Items Matrix note 2)
14		Zone type (wall mount) temp sensors, and CO2 sensors- (Essence brand only).	X			Kevin Kaufman	(See note Salvage Items Matrix note 2)
15		VAV controllers on VAV boxes that are JCI VMA 1420 or 1630 models	X			Kevin Kaufman	(See note Salvage Items Matrix note 2)
16		DPT 2015 diff pressure transducers on VAV controllers -all models	X			Kevin Kaufman	(See note Salvage Items Matrix note 2)
17		Any transformers 120/24v that were used to power BAS controls that we wish to keep.	X			Kevin Kaufman	(See note Salvage Items Matrix note 2)
18		Chilled Water Mag flow meters and associated flow computers and equipment.	X			Burton Heller	(See note Salvage Items Matrix note 2)
19		MU Energy Management Process Control (EMCS) Network-EM will remove all EMCS networking system components when the system is no longer needed for monitoring or control.	X			Kevin Kaufman	(See note Salvage Items Matrix note 2)
20		Two (2) medium voltage/480v pad mount transformers on North side.		X		Chad Heckman	See also sheet E101 for location of transformers.
21	Fire Alarm / Fire Prevention	Fire alarm panels / components, existing equipment, and devices.		X		John Carter	
22	Parking and Transportation	Existing bike racks			X	Owner's Representative	
23		Not used					
24	MU Health	Ambulance charging station at south parking lot	X			Owner's Representative	
25	MU	Memorial Plaque			X	Owner's Representative	
26	MU	Memorial Plaque			X	Owner's Representative	
27	MU	Building Cornerstone			X	Owner's Representative	Remove cornerstone prior to building demolition; salvage to Owner.
28	MU	Memorial Bench, Plaque, and Associated Tree		X		Owner's Representative	Memorial bench, plaque, and associated tree location; protect both during demolition activities; do not damage. Owner may salvage during construction.
29	City Water & Light	Electric meter (when building electric service is permanently shut down.)				Owner's Representative & Steve Joos (EM)	Coordinate with City Water & Light for final disconnection of service. Coordinate meter salvage with City Water & Light.

SALVAGE ITEMS MATRIX - NOTES:

- Anything NOT listed in the salvaged schedule above:
 - Is the Contractor's responsibility to properly dispose of.
 - May be salvaged by the Contractor for their own use.
- During the first week following contract award, once the site has been turned over to the Contractor:
 - MU Energy Management will conduct Owner salvage activities in the building to remove existing controls and shut-down the remaining mechanical systems.
 - Protect existing telecom rooms 27-1, 118, and 2006 until MU Energy Management controls salvage is complete - see "G004 Salvage - Reference Floor Plans" - for locations of noted telecom rooms.
 - See also Special Conditions Scheduling Requirements in the Project Manual.
- The contractor will be responsible for providing any needed temporary heating and/or cooling for the building during abatement and demolition activities.



KEY PLAN - SALVAGE ITEMS MATRIX
SCALE: 1:60



ITEM 24: AMBULANCE CHARGING STATION



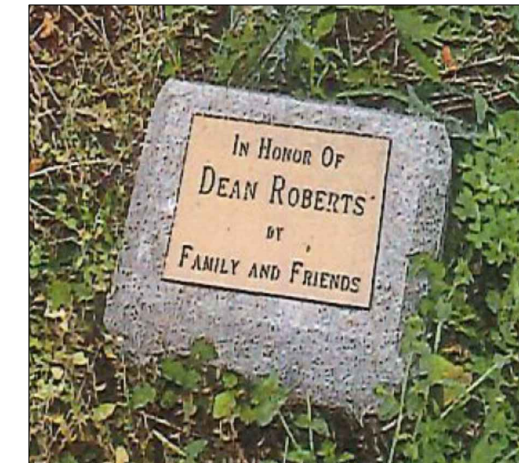
ITEM 25: MEMORIAL PLAQUE



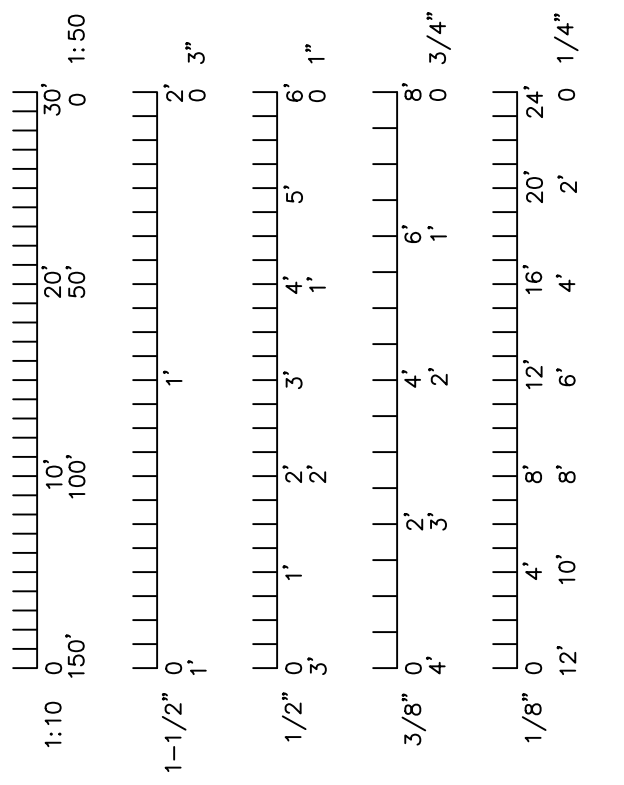
ITEM 26: MEMORIAL PLAQUE



ITEM 27: BUILDING CORNERSTONE



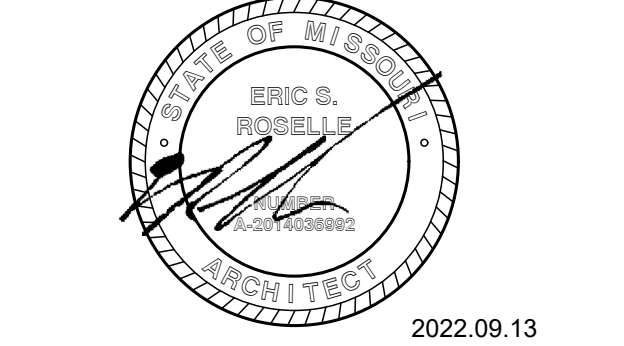
ITEM 28: MEMORIAL PLAQUE



MEP:
Ross & Baruzzini

CIVIL:
ES&S
Engineering Surveys and Services
DELIVERING YOUR VISION™

ARCHITECT:
PWArchitects, Inc.
2120 Forum Blvd., Ste. 101
Columbia, Missouri 65203
PWArchitects.com | 573.449.2683
Missouri State Certificate of Authority No. 000244



Project CP219078
MIZZOU NORTH DEMOLITION
115 W BUSINESS LOOP 70
COLUMBIA, MO
University of Missouri
For: The Curators of the University of Missouri

Drawn: Project Number:
202214

Checked: CAD File Name (Number):
G003.DWG

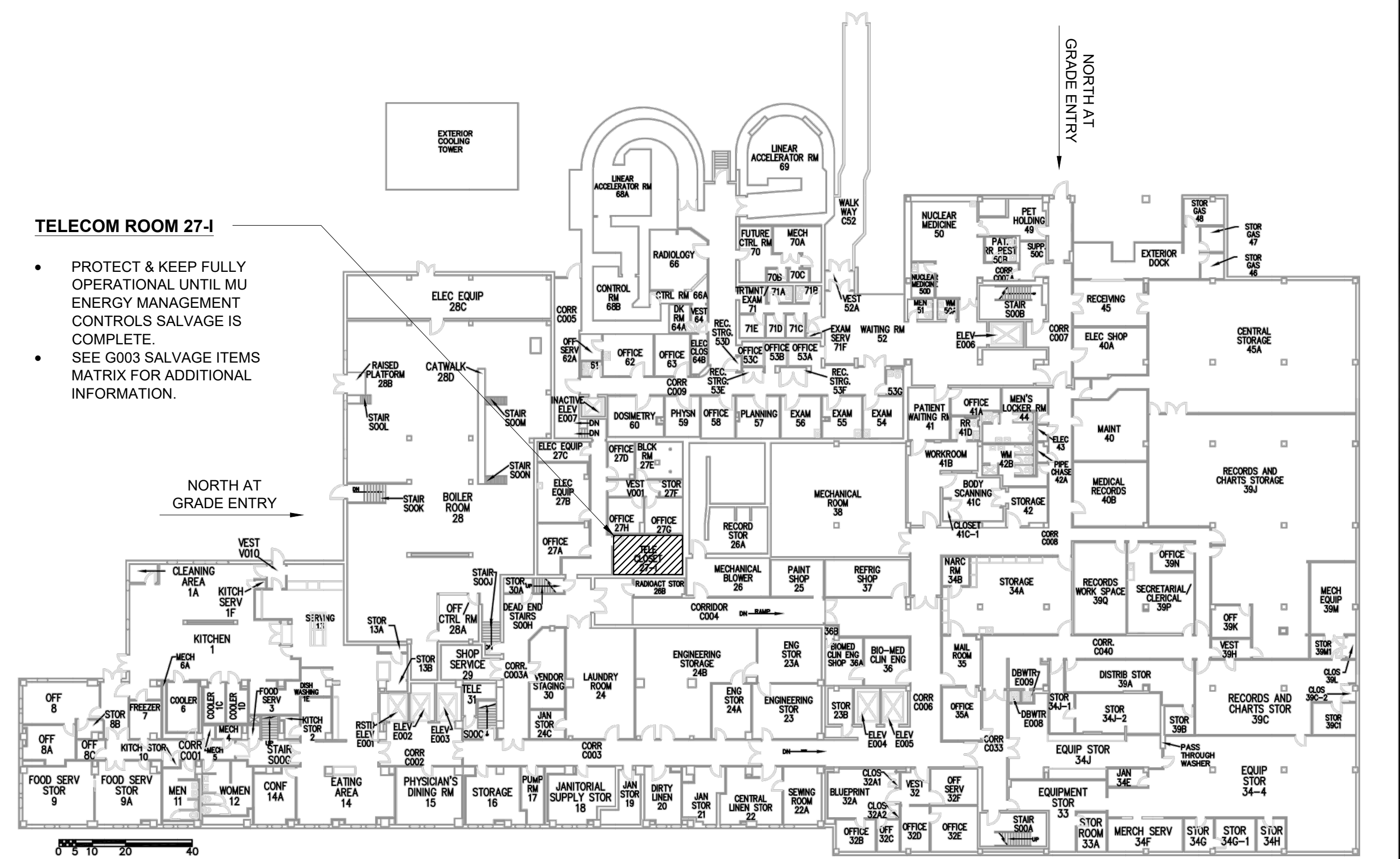
Drawing Title:
SALVAGE ITEMS MATRIX

No.	Revisions:	Date:

Submission Date: 09/13/2022
Plot Date: 08/15/2022
Drawing Number: **G003**

TELECOM ROOM 27-1

- PROTECT & KEEP FULLY OPERATIONAL UNTIL MU ENERGY MANAGEMENT CONTROLS SALVAGE IS COMPLETE.
- SEE G003 SALVAGE ITEMS MATRIX FOR ADDITIONAL INFORMATION.



GROUND FLOOR

REVISED: 02-01-17 KNM



**CAMPUS FACILITIES
SPACE PLANNING & MANAGEMENT**
(573) 882-4506

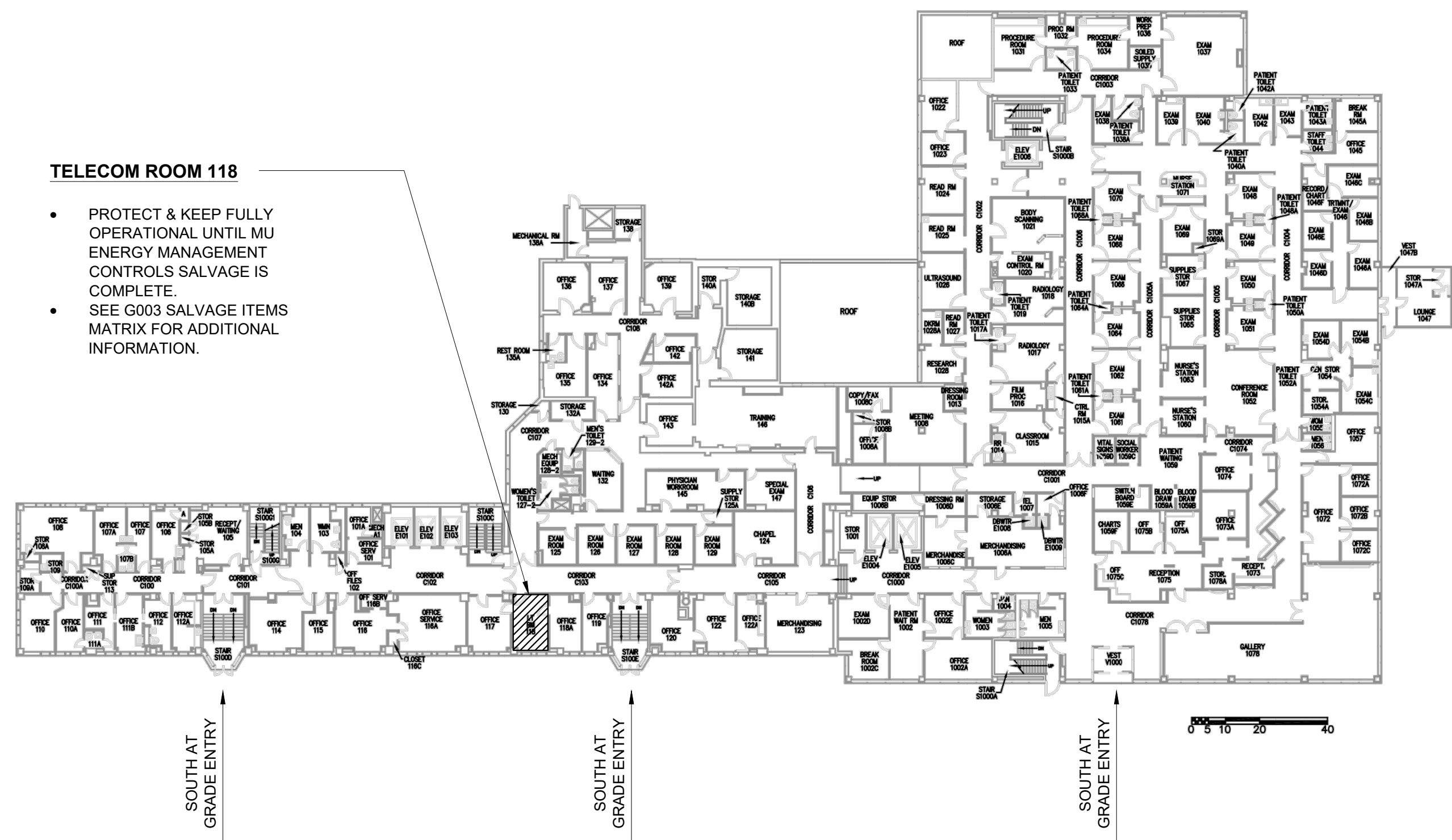
MIZZOU NORTH

LEVEL: GROUND	TOUR DATE: 6-12-13	SCALE: NTS
BUILDING NO: 44085	SHEET: 1 OF 10	GROSS SQ FT: 64,999



TELECOM ROOM 118

- PROTECT & KEEP FULLY OPERATIONAL UNTIL MU ENERGY MANAGEMENT CONTROLS SALVAGE IS COMPLETE.
- SEE G003 SALVAGE ITEMS MATRIX FOR ADDITIONAL INFORMATION.



FIRST FLOOR

REVISED: 6/09/2017 GB



**CAMPUS FACILITIES
SPACE PLANNING & MANAGEMENT**
(573) 882-4506

MIZZOU NORTH

LEVEL: FIRST	TOUR DATE: 6-09-17	SCALE: NTS
BUILDING NO: 44085	SHEET: 2 OF 10	GROSS SQ FT: 45,537

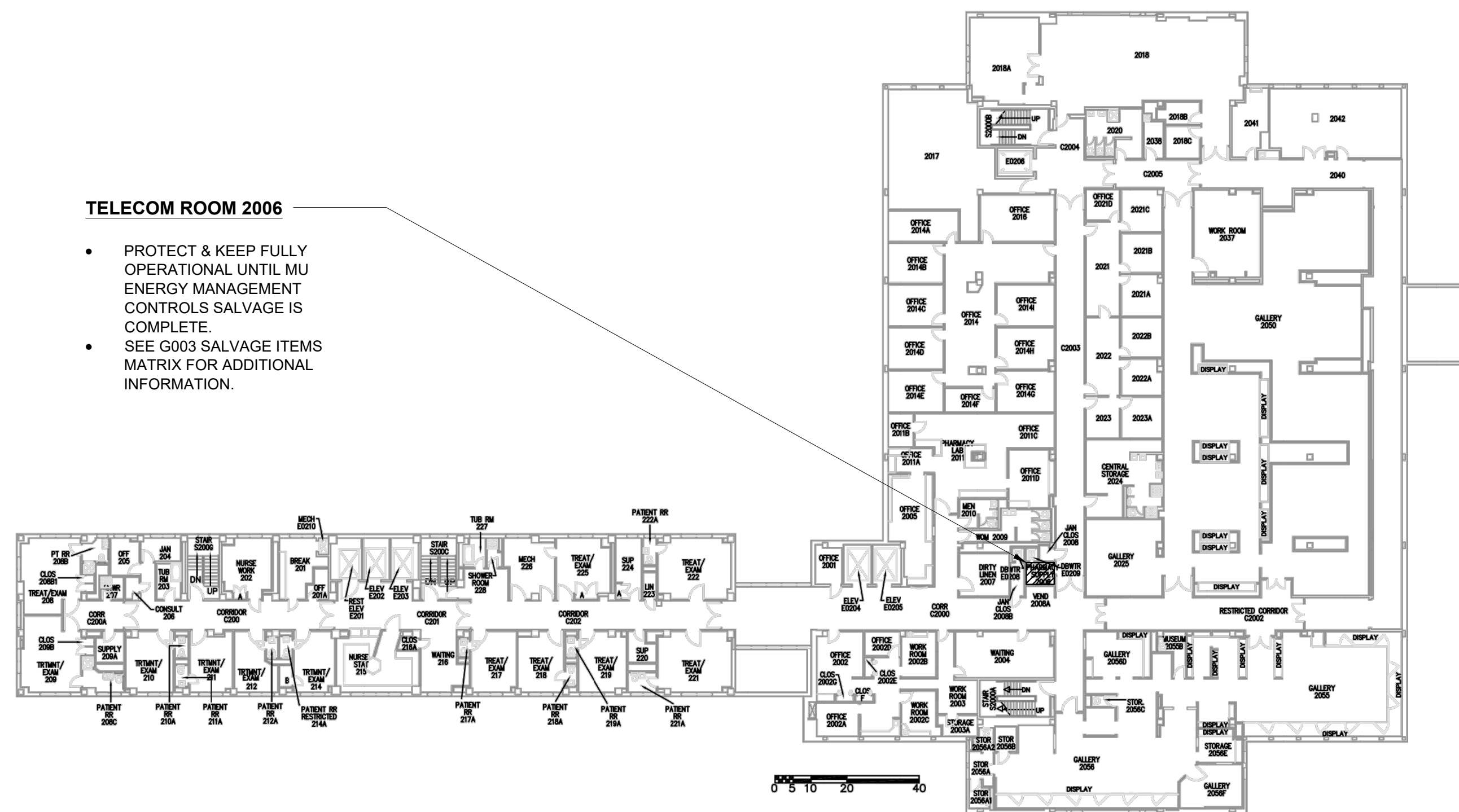


G004 GENERAL NOTES

1. FLOOR PLANS ARE INCLUDED FOR SCHEMATIC REFERENCE ONLY. FIELD VERIFY AGAINST EXISTING CONDITIONS AND/OR REFERENCE DRAWINGS.
2. NOT ALL FLOOR PLANS ARE SHOWN. SEE REFERENCE EXISTING BUILDING DOCUMENTS FOR FULL PLANS.

TELECOM ROOM 2006

- PROTECT & KEEP FULLY OPERATIONAL UNTIL MU ENERGY MANAGEMENT CONTROLS SALVAGE IS COMPLETE.
- SEE G003 SALVAGE ITEMS MATRIX FOR ADDITIONAL INFORMATION.



SECOND FLOOR

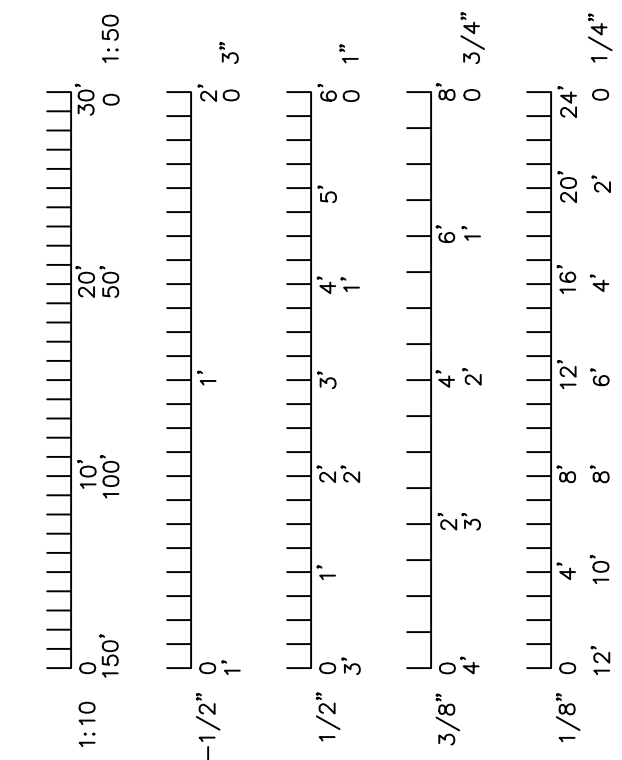
REVISED: 01-19-18 JTC



**CAMPUS FACILITIES
SPACE PLANNING & MANAGEMENT**
(573) 882-4506

MIZZOU NORTH

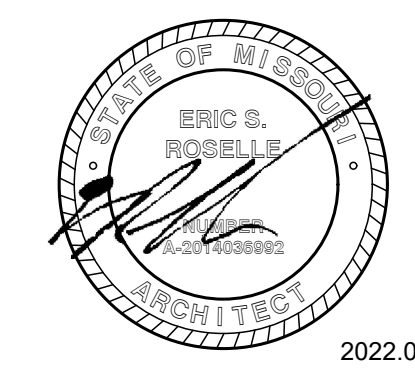
LEVEL: SECOND	TOUR DATE: 11-7-14	SCALE: NTS
BUILDING NO: 44085	SHEET: 3 OF 10	GROSS SQ FT: 40,141



MEP:
Ross & Baruzzini

CIVIL:
ES&S
Engineering Surveys
and Services
DELIVERING YOUR VISION™

ARCHITECT:
PWArchitects, Inc.
2120 Forum Blvd., Ste. 101
Columbia, Missouri 65203
PWArchitects.com | 573.449.2683
Peckham & Wright Architects an Architectural Corporation
Missouri State Certificate of Authority No. 000244



Project CP219078
MIZZOU NORTH DEMOLITION
115 W BUSINESS LOOP 70
COLUMBIA, MO
University of Missouri
For: The Curators of the University of Missouri

Drawn: _____ Project Number:
202214

Checked: _____ CAD File Name (Number):
G004.DWG

Drawing Title:
SALVAGE - REFERENCE FLOOR PLANS

No.	Revisions:	Date:

Submission Date: 09/13/2022
Plot Date: 08/15/2022
Drawing Number:
G004



Engineering Surveys & Services
DELIVERING YOUR VISION™

1113 Fay Street, Columbia, MO 65201
573-449-2646
802 El Dorado Drive, Jefferson City, MO 65101
573-636-3303
1775 West Main Street, Sedalia, MO 65201
660-826-8618
www.ess-inc.com
MO Land Surveying Corp. # 2004004672

MIZZOU NORTH

COLUMBIA, BOONE COUNTY, MISSOURI

UNIVERSITY OF MISSOURI PROJECT # CP219078

MAY 25, 2022



UTILITY NOTES

ALL UTILITIES ARE UNIVERSITY OF MISSOURI, EXCEPT AS NOTED BELOW. THE LOCATIONS, SIZES, AND MATERIAL TYPES OF UNDERGROUND UTILITIES INDICATED ON THE PLAT, NOT VISIBLE OR APPARENT FROM THE SURFACE, ARE SHOWN IN THEIR APPROXIMATE LOCATIONS FROM A MISSOURI ONE CALL SYSTEM LOCATE, OR UTILITY COMPANY RECORDS AND WERE NOT VERIFIED IN THE FIELD. IRRIGATION LINES WERE NOT LOCATED. UNDERGROUND ELECTRIC LINES TO LIGHTS WERE NOT LOCATED.

UNIVERSITY OF MISSOURI
ENERGY MANAGEMENT OFFICE
417 SOUTH FIFTH STREET
COLUMBIA, MISSOURI 65211
CONTACT: 573-892-3094
ELECTRIC, TELECOMMUNICATIONS, STEAM, WATER, CHILLED WATER, SANITARY SEWER, STORM SEWER

WATER
CITY OF COLUMBIA WATER & LIGHT DEPARTMENT
P.O. BOX 6015
COLUMBIA, MISSOURI 65205
CONTACT: JCE STRODTMANN 573-874-6308
12" ASBESTOS CEMENT LINE ALONG NORTH SIDE OF BUSINESS LOOP 70

ELECTRIC
CITY OF COLUMBIA WATER & LIGHT DEPARTMENT
P.O. BOX 6015
COLUMBIA, MISSOURI 65205
CONTACT: DAN CLARK 573-874-7738
AS SHOWN

GAS
AMEREN MISSOURI
2001 MAGUIRE BOULEVARD
COLUMBIA, MISSOURI 65201
CONTACT: TRENT SNOODGRASS 573-876-3063
8" (HIGH PRESSURE) LINE ALONG NORTH SIDE BUSINESS LOOP 70

TELECOMMUNICATIONS
CENTURYLINK
625 E. CHERRY STREET
COLUMBIA, MISSOURI 65201
CONTACT: DAVID ROBERTS 573-886-3503

AT&T
7351 ABC LANE
COLUMBIA, MISSOURI 65202
CONTACT: GRANT STAES 573-489-8727

MEDIACOM
1211 WILKES BOULEVARD
COLUMBIA, MISSOURI 65201
CONTACT: BOB BONER 573-443-1536

CITY OF COLUMBIA WATER & LIGHT DEPARTMENT
P.O. BOX 6015
COLUMBIA, MISSOURI 65205
CONTACT: ERIC WORTS 573-874-6246

SANITARY SEWER
CITY OF COLUMBIA UTILITIES DEPARTMENT
P.O. BOX 6015
COLUMBIA, MISSOURI 65205
CONTACT: ERIN KEYS 573-874-7502
AS SHOWN

STORM SEWER
CITY OF COLUMBIA UTILITIES DEPARTMENT
P.O. BOX 6015
COLUMBIA, MISSOURI 65205
CONTACT: TOM WELLMAN 573-874-7250
AS SHOWN

VALVE ELEVATIONS

1) WV TOP=753.64 NUT=748.2	2) GV TOP=752.84 NUT=749.1	3) WV TOP=754.60 NUT=751.8	4) WV TOP=754.58 NUT=751.9
5) WV TOP=754.87 NUT=751.0	6) GV TOP=755.53 NUT=752.7	7) WV TOP=761.13 NUT=756.1	8) WV TOP=761.24 NUT=756.5
9) WV TOP=761.46 NUT=754.1	10) WV TOP=765.01 NUT=760.2	11) WV TOP=766.37 NUT=763.4	12) WV TOP=766.46 NUT=NOT ACCESSIBLE
13) WV TOP=766.77 NUT=763.6	14) WV TOP=759.41 NUT=756.2	15) WV TOP=759.40 NUT=756.3	16) WV TOP=759.13 NUT=754.7
17) WV TOP=758.9 NUT=756.3	18) WV TOP=760.61 NUT=753.3	19) GV TOP=758.15 NUT=754.2	

LEGEND

---	PROPERTY LINE
---	ELECTRIC LINE
---	TELECOMMUNICATIONS LINE
---	UNDERGROUND ELECTRIC LINE
---	UNDERGROUND TELECOMMUNICATIONS LINE
---	SANITARY SEWER LINE
---	STORM SEWER LINE
---	GAS LINE
---	WATER LINE
---	FENCE
---	TREE & BRUSH LINE
---	DRAINAGE SWALE
---	EXISTING CONTOUR
---	ANCHOR
⊕	IRON
⊕	R/W MARKER
⊕	DRILL HOLE
⊕	CONTROL POINT
A/C	AIR CONDITIONER
AC	ASBESTOS CEMENT PIPE
CI	CAST IRON PIPE
CMP	CORRUGATED METAL PIPE
CPP	CORRUGATED PLASTIC PIPE
CW&L	COLUMBIA WATER & LIGHT
EB	ELECTRIC BOX
FDC	FIRE DEPARTMENT CONNECTION
FES	FLARED END SECTION
FH	FIRE HYDRANT
FL	FLOW LINE
GM	GAS METER
GV	GAS VALVE
HDPE	HIGH DENSITY POLYETHYLENE PIPE
LS	LIGHT STANDARD
PVC	POLYVINYL CHLORIDE PIPE
RCP	REINFORCED CONCRETE PIPE
TP	TELECOMMUNICATIONS PEDESTAL
TW	TOP OF WALL
UP	UTILITY POLE
VCP	VITRIFIED CLAY PIPE
WM	WATER METER
WV	WATER VALVE

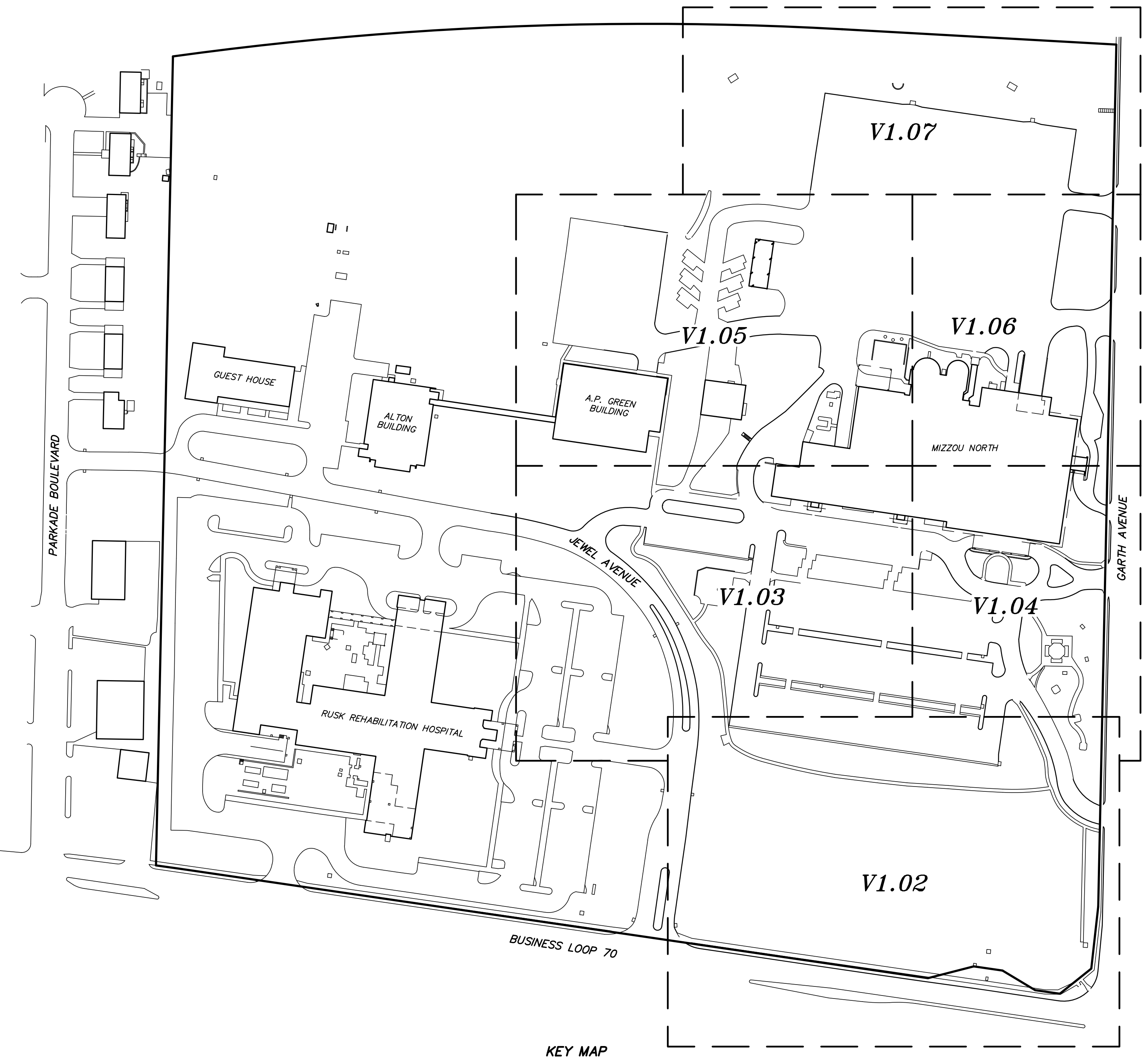
SURVEY CONTROL POINTS

POINT #	MODIFIED STATE PLANE COORDINATES NAD 83, MISSOURI CENTRAL ZONE, NAVD 88, U.S. SURVEY FEET			DESCRIPTION
	NORTH	EAST	ELEVATION	
CP2	1141020.47	1685645.58	767.00	DRILL HOLE
CP3	1140461.91	1686139.14	755.97	MAG NAIL
CP6	1141241.72	1686289.17	761.00	IRON
CP7	1141612.94	1686200.24	748.72	MAG NAIL
CP8	1141602.09	1686235.87	749.24	DRILL HOLE

BENCH MARK

BM - MISSOURI STATE HIGHWAY DEPARTMENT BM LOCATED 41' LEFT OF STATION 685+86 BUSINESS LOOP 70, CHISELED SQUARE ON LIGHT STANDARD BASE (NOW DESTROYED).
ELEVATION = 769.56

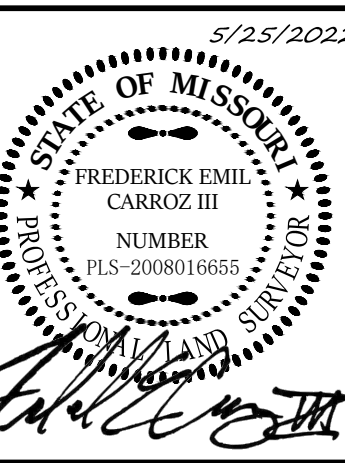
NOTE:
1. ACCURATE ELEVATIONS HAVE BEEN SURVEYED AS SHOWN. CONTOURS SHOWN ARE INTERPOLATED BASED ON THESE ELEVATIONS.
2. THIS DOES NOT CONSTITUTE A BOUNDARY SURVEY SUITABLE FOR RECORDING AS DEFINED BY THE CURRENT MISSOURI STANDARDS FOR BOUNDARY SURVEYS. NO TITLE WORK WAS PERFORMED. EASEMENTS AND OTHER SPECIAL CONDITIONS AFFECTING THE PROPERTY MAY NOT BE SHOWN.



KEY MAP

NOT TO SCALE

UNIVERSITY OF MISSOURI
MIZZOU NORTH
COLUMBIA, BOONE COUNTY, MISSOURI
UNIVERSITY OF MISSOURI PROJECT # CPCP219078



FREDERICK E. CARROZ III
PROFESSIONAL LAND SURVEYOR
PLS - 2008016655

IF ORIGINAL SIGNATURE OR DIGITAL AUTHENTICATION IS NOT PRESENT THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT.

Date
MAY 9, 2022

Revised
MAY 25, 2022

Surveyed: NTL Drawn: CGH
BOUNDARY & TOPOGRAPHIC SURVEY

Sheet

V1.01

1 of 7

ES&S PROJECT NO. 15529

P:\GENERAL PROJECTS\15529-MU-MIZZOU-NORTH-B-T-UT\CAD\15529_TOPO.DWG 5/25/2022

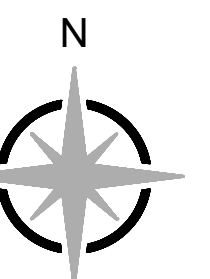


Engineering Surveys & Services

DELIVERING YOUR VISION™

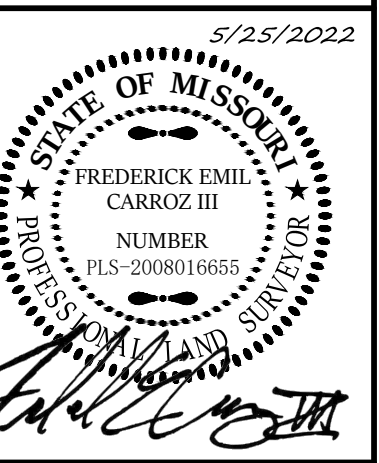
1113 Fay Street, Columbia, MO 65201
573-449-2646
602 El Dorado Drive, Jefferson City, MO 65101
673-636-3303
1775 West Main Street, Sedalia, MO 65201
660-826-8618
www.es-inc.com

MO Land Surveying Corp. # 2004004672



0 1"
SCALE: 1" = 20'

UNIVERSITY OF MISSOURI
MIZZOU NORTH
COLUMBIA, BOONE COUNTY, MISSOURI
UNIVERSITY OF MISSOURI PROJECT # CPCP219078



FREDERICK E. CARROZ III
PROFESSIONAL LAND SURVEYOR
PLS - 2008016656

IF ORIGINAL SIGNATURE OR DIGITAL AUTHENTICATION IS NOT PRESENT THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT.

Date

MAY 9, 2022

Revised

MAY 25, 2022

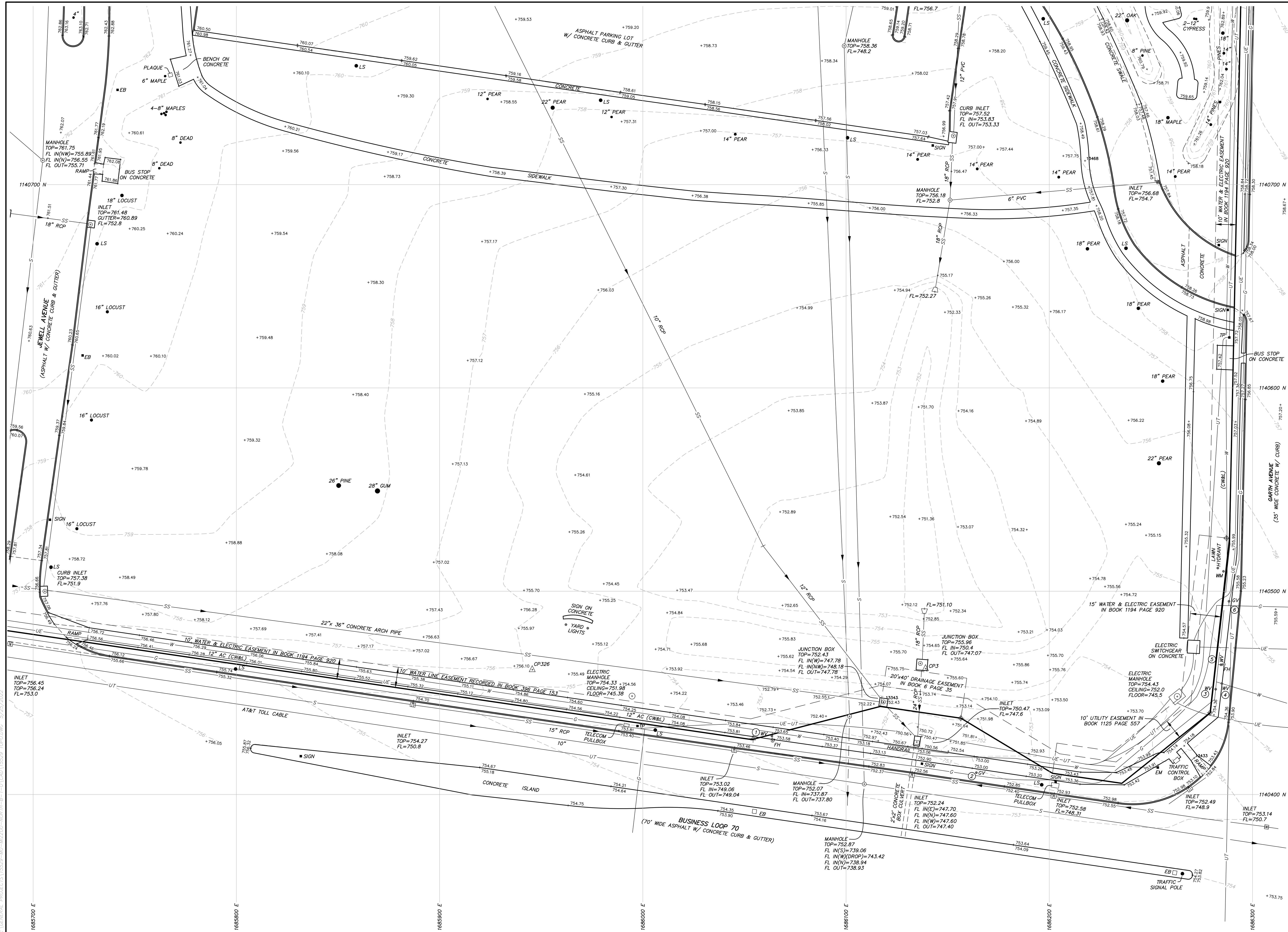
Surveyed: NTL Drawn: CGH
BOUNDARY & TOPOGRAPHIC SURVEY

Sheet

V1.02

2 of 7

ES&S PROJECT NO. 15529



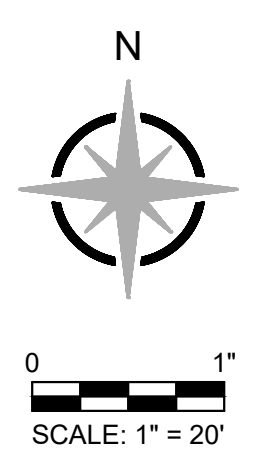
P:\GENERAL PROJECTS\15529-MO-MIZZOU-NORTH-B-T-UT-CAD\15529_TOPO.DWG 5/25/2022



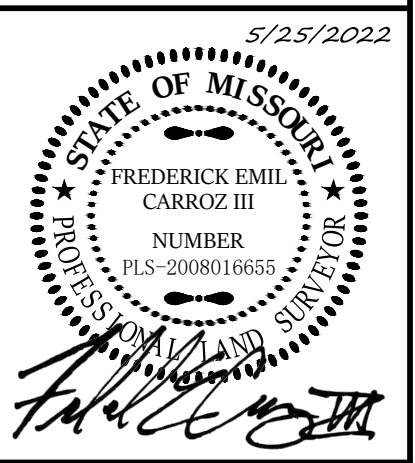
Engineering Surveys & Services

DELIVERING YOUR VISION™

1113 Fay Street, Columbia, MO 65201
973-449-2646
602 El Dorado Drive, Jefferson City, MO 65101
673-636-3303
1775 West Main Street, Sedalia, MO 65201
660-826-8618
www.es-inc.com
MO Land Surveying Corp. # 2004004672



UNIVERSITY OF MISSOURI
MIZZOU NORTH
COLUMBIA, BOONE COUNTY, MISSOURI
UNIVERSITY OF MISSOURI PROJECT # CPCP219078



FREDERICK E. CARROZ III
PROFESSIONAL LAND SURVEYOR
PLS - 2008016656

IF ORIGINAL SIGNATURE OR DIGITAL AUTHENTICATION IS NOT PRESENT THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT.

Date
MAY 9, 2022

Revised
MAY 25, 2022

Surveyed: NTL Drawn: CGH

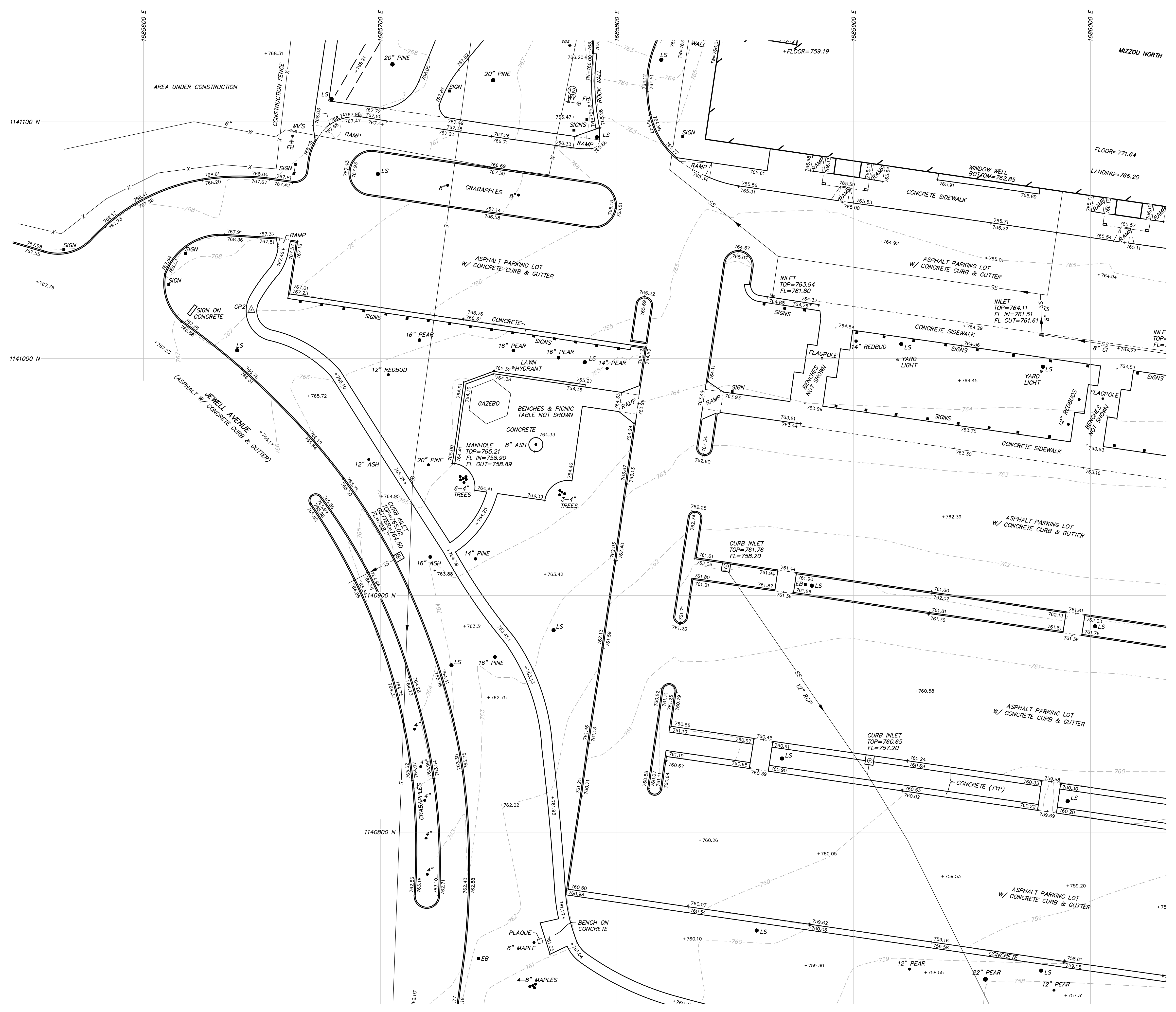
BOUNDARY & TOPOGRAPHIC SURVEY

Sheet

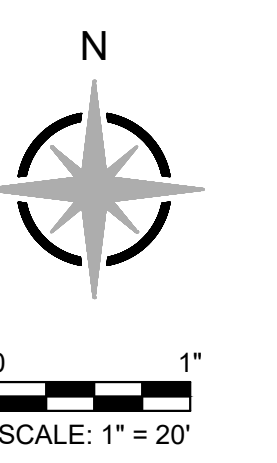
V1.03

3 of 7

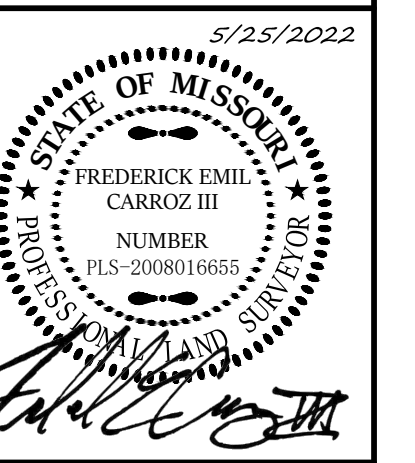
ES&S PROJECT NO. 15529



P:\GENERAL PROJECTS\15529-MU-MIZZOU-NORTH-B-T-U\CAD\15529_TOPO.DWG 5/25/2022



UNIVERSITY OF MISSOURI
MIZZOU NORTH
 COLUMBIA, BOONE COUNTY, MISSOURI
 UNIVERSITY OF MISSOURI PROJECT # CPCP219078



FREDERICK E. CARROZ III
 PROFESSIONAL LAND SURVEYOR
 PLS - 2008016656

Date
MAY 9, 2022

Revised
 MAY 25, 2022

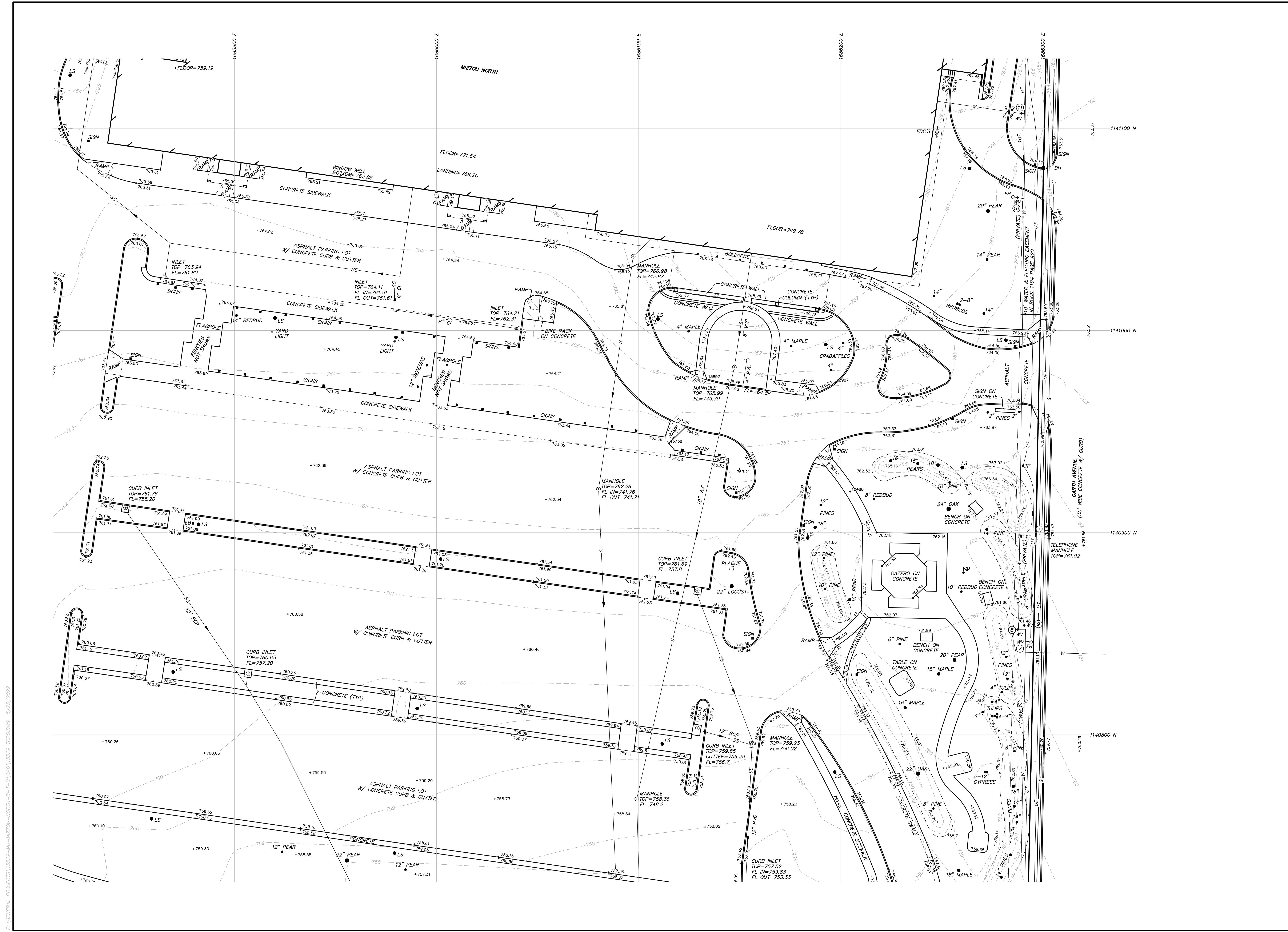
Surveyed: NTL Drawn: CGH

BOUNDARY & TOPOGRAPHIC SURVEY

Sheet
V1.04

4 of 7

ES&S PROJECT NO. 15529



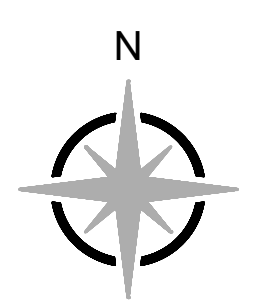
P:\GENERAL PROJECTS\15529-MU-MIZZOU-NORTH-B-T-U\CAD\15529 TOPO.DWG 5/25/2022



Engineering Surveys & Services

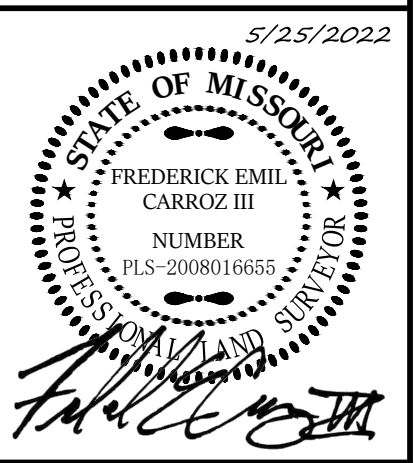
DELIVERING YOUR VISION™

1113 Fay Street, Columbia, MO 65201
973-449-2646
802 El Dorado Drive, Jefferson City, MO 65101
673-636-3303
1775 West Main Street, Sedalia, MO 65201
660-826-8618
www.ess-inc.com
MO Land Surveying Corp. # 2004004672



0 1"
SCALE: 1" = 20'

UNIVERSITY OF MISSOURI
MIZZOU NORTH
COLUMBIA, BOONE COUNTY, MISSOURI
UNIVERSITY OF MISSOURI PROJECT # CPCP219078



FREDERICK E. CARROZ III
PROFESSIONAL LAND SURVEYOR
PLS - 2008016655

IF ORIGINAL SIGNATURE OR DIGITAL AUTHENTICATION IS NOT PRESENT THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT

Date
MAY 9, 2022

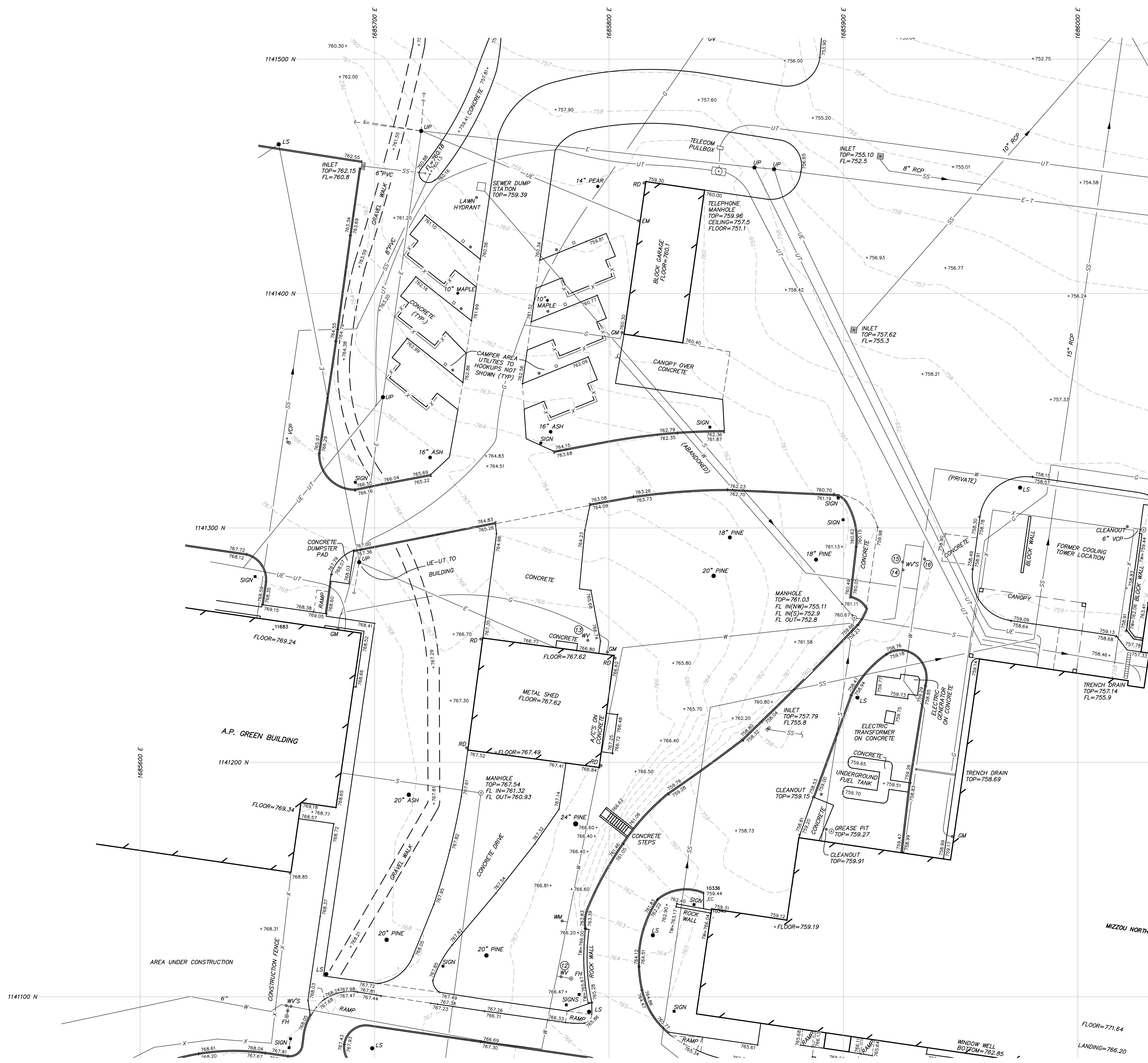
Revised
MAY 25, 2022

Surveyed: NTL Drawn: CGH
BOUNDARY & TOPOGRAPHIC SURVEY

Sheet

V1.05

5 of 7
ESS&S PROJECT NO. 15529



P:\GENERAL PROJECTS\15529-MU-MIZZOU-NORTH-B-T-U\CAD\15529_TOPO.DWG 5/25/2022

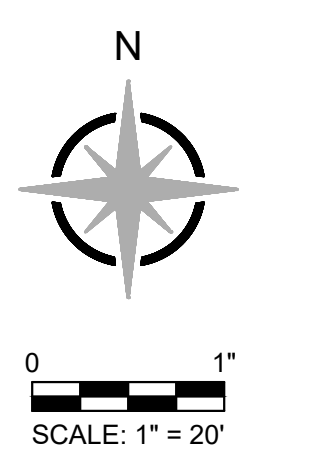


Engineering Surveys & Services

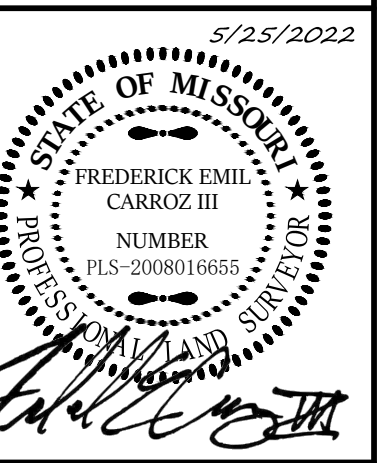
DELIVERING YOUR VISION™

1113 Fay Street, Columbia, MO 65201
573-449-2646
602 El Dorado Drive, Jefferson City, MO 65101
673-636-3303
1775 West Main Street, Sedalia, MO 65301
660-826-8618
www.ess-inc.com

MO Land Surveying Corp. # 2004004672



UNIVERSITY OF MISSOURI
MIZZOU NORTH
COLUMBIA, BOONE COUNTY, MISSOURI
UNIVERSITY OF MISSOURI PROJECT # CPCP219078



FREDERICK E. CARROZ III
PROFESSIONAL LAND SURVEYOR
PLS - 2008016655

IF ORIGINAL SIGNATURE OR DIGITAL AUTHENTICATION IS NOT PRESENT THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT.

Date

MAY 9, 2022

Revised

MAY 25, 2022

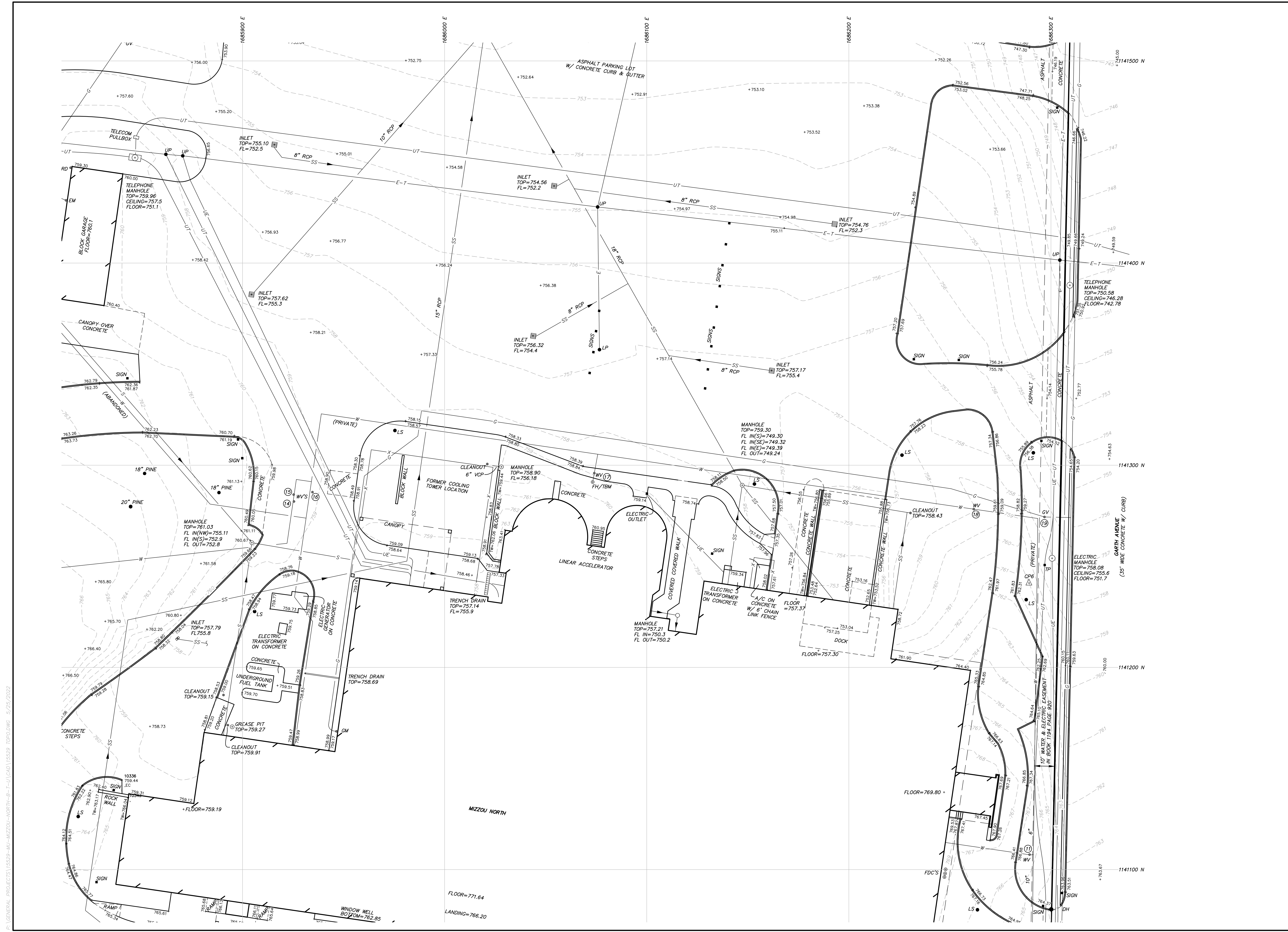
Surveyed: NTL Drawn: CGH
BOUNDARY & TOPOGRAPHIC SURVEY

Sheet

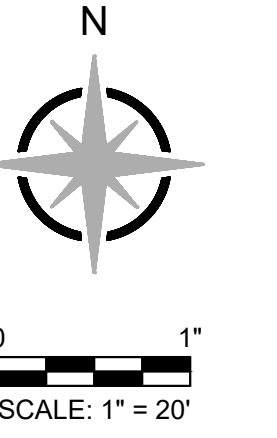
V1.06

6 of 7

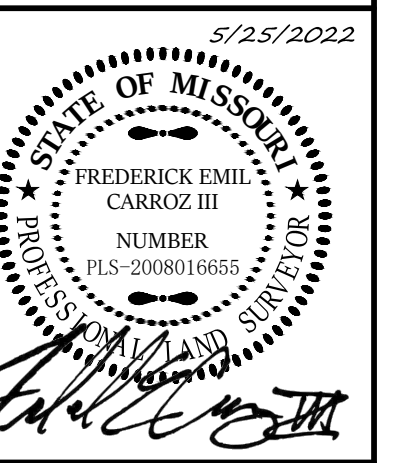
ESS&S PROJECT NO. 15529



P:\GENERAL PROJECTS\15529-MU-MIZZOU-NORTH-B-T-UT\CAD\15529-TOPO.DWG 5/25/2022



**UNIVERSITY OF MISSOURI
 MISSOURI NORTH**
 COLUMBIA, BOONE COUNTY, MISSOURI
 UNIVERSITY OF MISSOURI PROJECT # CPCP219078



FREDERICK E. CARROZ III
 PROFESSIONAL LAND SURVEYOR
 PLS - 2008016655

IF ORIGINAL SIGNATURE OR DIGITAL AUTHENTICATION IS NOT PRESENT THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT.

Date
MAY 9, 2022

Revised
 MAY 25, 2022

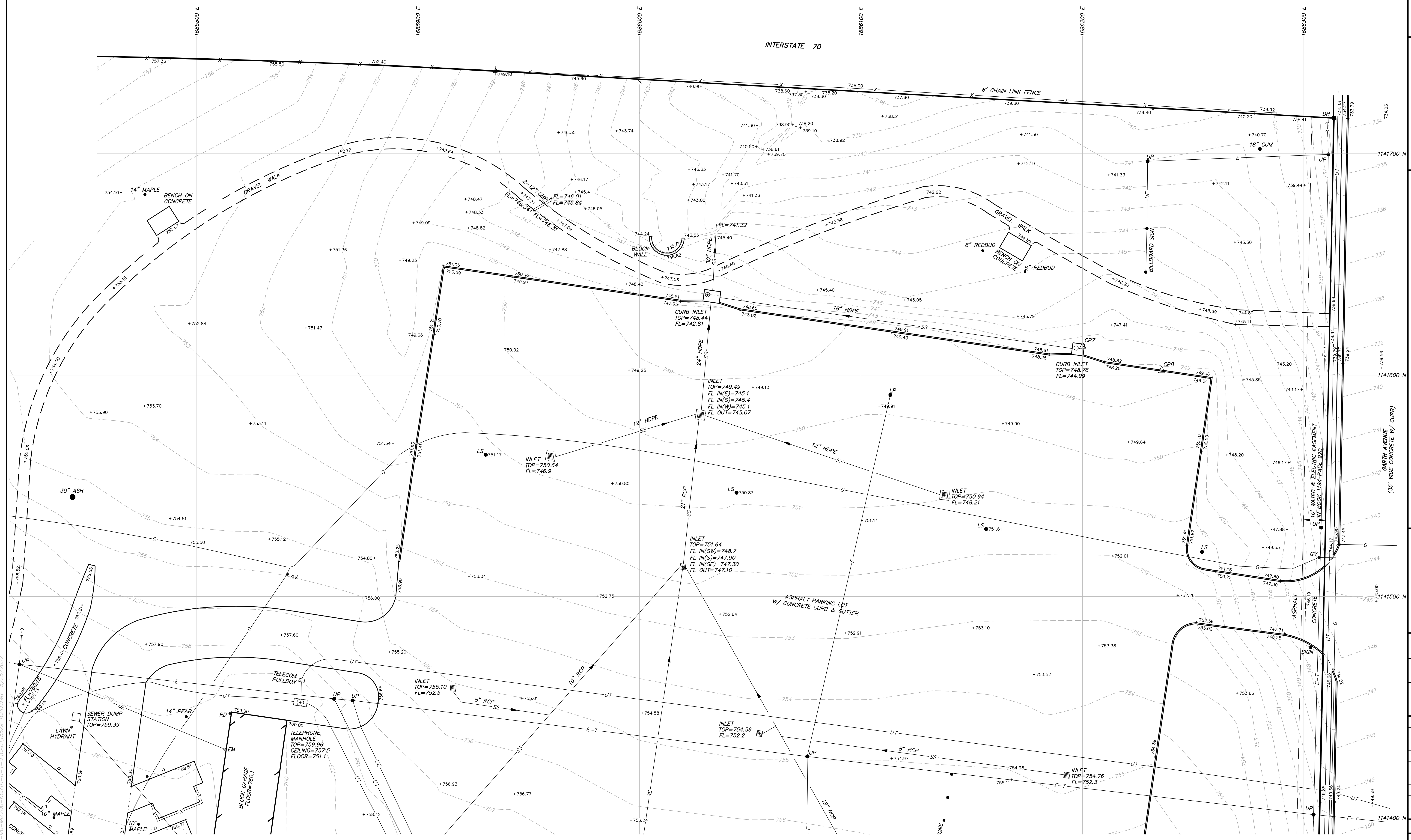
Surveyed: NTL Drawn: CGH

BOUNDARY & TOPOGRAPHIC SURVEY

Sheet
V1.07

7 of 7

ES&S PROJECT NO. 15529



P:\GENERAL PROJECTS\15529-MU-MIZZOURI-NORTH-B-T-U\CAD\15529_TOPO.DWG 5/25/2022



L1 MIZZOU-NORTH: EXISTING NORTH ELEVATION
SCALE: N.T.S.

L7 MIZZOU-NORTH: EXISTING EAST ELEVATION
SCALE: N.T.S.

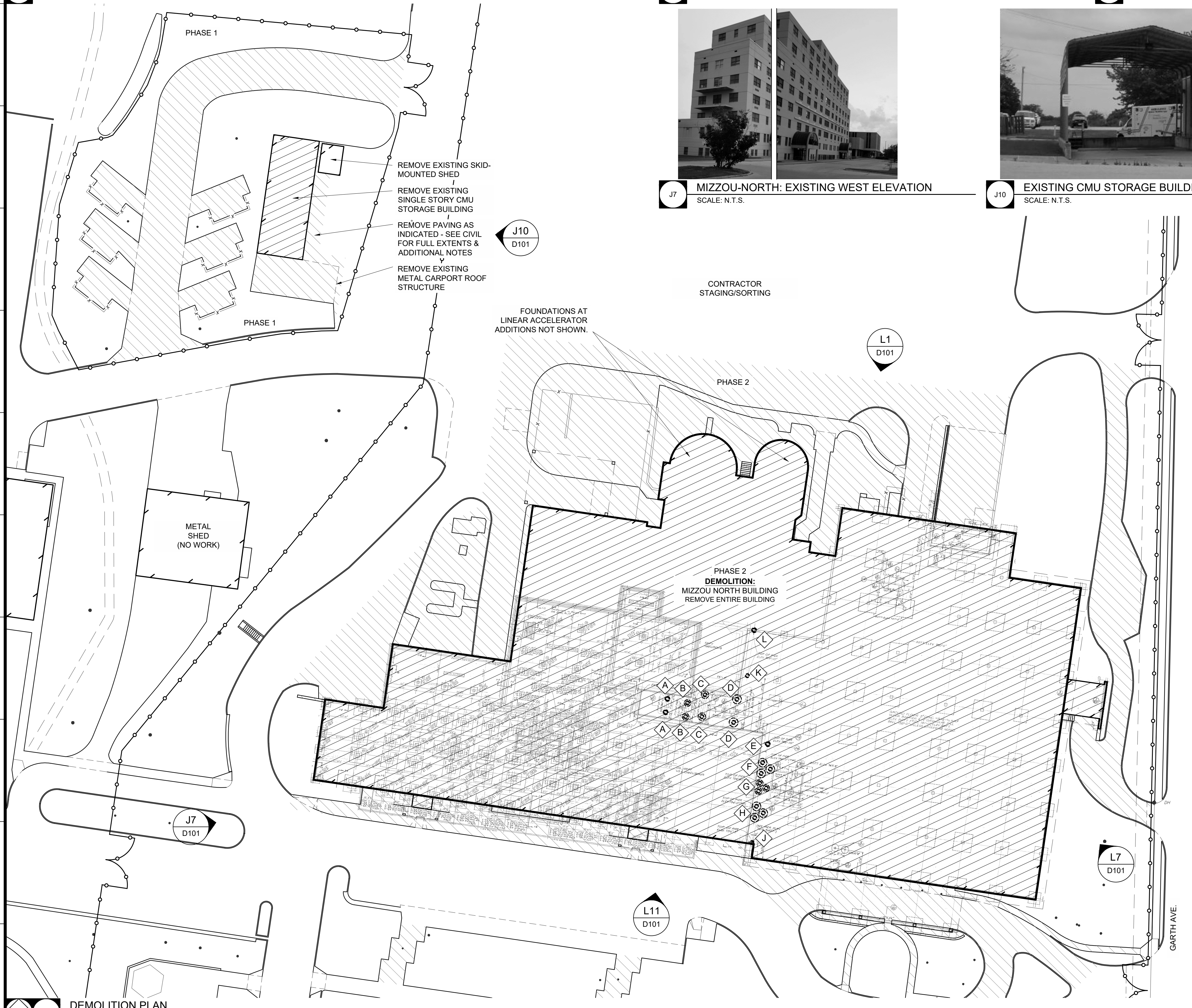
L11 MIZZOU-NORTH: EXISTING SOUTH ELEVATION
SCALE: N.T.S.



J7 MIZZOU-NORTH: EXISTING WEST ELEVATION
SCALE: N.T.S.



J10 EXISTING CMU STORAGE BUILDING: EAST ELEVATION
SCALE: N.T.S.



A1 DEMOLITION PLAN
SCALE: 1:30

Existing Pier & Bell Housing - Location and Size

Key	No. of Piers	Bottom of Pier	Top of Pier	Pier Height	Pier Dia	Bell Dia
A	2	735'-0"+/-	756'-6"+/-	21'-6"+/-	2'-0"+/-	3'-0"+/-
B	2	735'-0"+/-	756'-6"+/-	21'-6"+/-	2'-0"+/-	3'-9"+/-
C	2	735'-0"+/-	756'-6"+/-	21'-6"+/-	2'-0"+/-	4'-3"+/-
D	2	735'-0"+/-	755'-11"+/-	20'-11"+/-	2'-0"+/-	5'-0"+/-
E	1	735'-0"+/-	755'-10"+/-	20'-10"+/-	2'-0"+/-	3'-3"+/-
F	3	735'-0"+/-	754'-0"+/-	19'-0"+/-	2'-0"+/-	5'-0"+/-
G	3	735'-0"+/-	754'-0"+/-	19'-0"+/-	2'-0"+/-	4'-0"+/-
H	3	735'-0"+/-	754'-0"+/-	19'-0"+/-	2'-0"+/-	5'-0"+/-
J	1	735'-0"+/-	756'-3"+/-	21'-3"+/-	2'-0"+/-	0'-0"+/-
K	1	735'-0"+/-	755'-10"+/-	20'-10"+/-	2'-0"+/-	0'-0"+/-
L	1	735'-0"+/-	755'-10"+/-	20'-10"+/-	2'-0"+/-	3'-0"+/-

NOTES:
1. Pier and Bell Housing information is based on details and notes included in original drawings (c1974 addition). This, and the included partial original foundation plans, are provided for informational purposes only. The contractor is responsible for verifying actual field conditions.

LEGEND

- APPROXIMATE LINE OF CONSTRUCTION FENCE(S) - SEE STAGING & PHASING PLANS
- SITE DEMOLITION - SEE CIVIL DEMOLITION PLANS FOR DETAILED SCOPE
- BUILDING DEMOLITION
- EXISTING PIER KEY

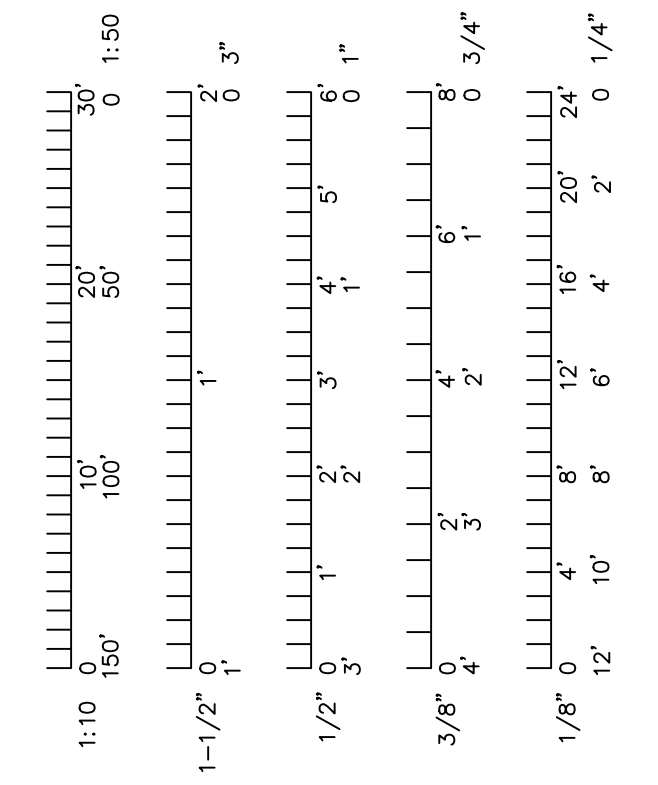
GENERAL DEMOLITION NOTES

- FIELD VERIFICATION: INFORMATION CONTAINED IN THESE DRAWINGS IS BASED ON EXISTING DOCUMENTS. THE INFORMATION CONTAINED HERE-IN MAY REQUIRE ADJUSTMENTS OR MODIFICATIONS TO CONFORM WITH EXISTING CONDITIONS IN CASES WHERE CHANGES IN DETAILS ARE NECESSARY. THESE DRAWINGS CONVEY THE DESIGN INTENT ONLY.
- DO NOT BEGIN DEMOLITION IN ANY ONE AREA UNTIL 1) RELATED ABATEMENT IS COMPLETE AND 2) ALL RELATED UTILITIES HAVE BEEN DISCONNECTED.
- MAINTAIN DUST CONTROL DURING DEMOLITION, SORTING, AND REMOVAL ACTIVITIES.
- REMOVE ALL EXISTING BUILDING ELEMENTS AS NOTED. VERIFY WITH OWNER'S REPRESENTATIVE REMOVAL OF ANY ITEMS NOT NOTED FOR DEMOLITION.
- REMOVE ALL BELOW-GRADE ELEMENTS INCLUDING SPREAD FOOTINGS, GRADE BEAMS, PIER CAPS, AND PIERS; REMOVE PIERS IN THEIR ENTIRETY.
- REMOVE ALL BELOW-GRADE UTILITIES IN DEMOLITION AREAS, UNLESS SPECIFICALLY NOTED TO ABANDON. COORDINATE WITH SCOPE OF WORK SHOWN ON CIVIL AND ELECTRICAL DRAWINGS.
- ALL PAVEMENTS, SIDEWALKS, ABANDONED SEWERS, PIPELINES, EXCESS EARTHWORK, BUILDING FOUNDATIONS, OR OTHER ITEMS REMOVED FOR DEMOLITION SHALL BECOME THE PROPERTY OF THE CONTRACTOR UNLESS OTHERWISE NOTED. THE CONTRACTOR IS RESPONSIBLE FOR LEGALLY REMOVING AND DISPOSING OF ALL SUCH MATERIAL.
- PROTECT ALL ADJACENT AREAS, INCLUDING LANDSCAPING NOT DESIGNATED FOR WORK, FROM DAMAGE AS A RESULT OF THIS WORK. UNLESS OTHERWISE NOTED, DAMAGED ITEMS WILL BE REPAIRED BY THE OWNER; THE CONTRACTOR WILL BE RESPONSIBLE FOR THE COST OF THE REPAIRS.
- LEAVE DESIGNATED FIRE LANES OPEN AT ALL TIMES.
- COORDINATE ALL REQUIRED UTILITIES WITH OWNER'S REPRESENTATIVE.
- ALL WORK INSIDE THE CITY OF COLUMBIA R.O.W. REQUIRES AN R.O.W. PERMIT FROM THE CITY OF COLUMBIA. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND PAYING FOR ANY REQUIRED R.O.W. PERMITS. PRIOR TO DOING IN ANY WORK IN THE R.O.W.
- SEE:
 - CIVIL AND ELECTRICAL DRAWINGS FOR ADDITIONAL NOTES AND DETAILED DEMOLITION SCOPE
 - TEMPORARY TRAFFIC CONTROL PLANS FOR FENCING REQUIREMENTS, SIGNAGE, AND ACCESS CONTROL(S).
- NO GEOTECHNICAL STUDY HAS BEEN PREPARED FOR THIS PROJECT. IF THE CONTRACTOR DEEMS A GEOTECHNICAL EVALUATION IS NEEDED FOR BIDDING PURPOSES, THIS SHALL BE PREPARED AT THE CONTRACTOR'S EXPENSE.

SPECIAL SCHEDULING REQUIREMENTS:

PHASE 1: REMOVE SINGLE STORY BLOCK GARAGE ALONG WITH ASSOCIATED RV PADS AND PAVING. BEFORE BEGINNING DEMOLITION WORK AT MIZZOU NORTH, RESTORE GARAGE/RV SITE TO SUFFICIENT CONDITION SUCH THAT THE ACCESS LANE TO THE AP GREEN BUILDING MAY REMAIN OPEN AND UNIMPEDED DURING DEMOLITION ACTIVITIES AT MIZZOU NORTH.

PHASE 2: REMOVE MIZZOU NORTH AND ADJACENT PAVING. ACTIVE SITE AND BUILDING DEMOLITION WORK TO BEGIN ONLY AFTER PHASE 1 WORK IS COMPLETE OR BY PRIOR COORDINATION WITH OWNER'S REPRESENTATIVE.



MEP:
Ross & Baruzzini

CIVIL:
ES&S
Engineering Surveys and Services
DELIVERING YOUR VISION™

ARCHITECT:
PWArchitects, Inc.
2120 Forum Blvd., Ste. 101
Columbia, Missouri 65203
PWArchitects.com | 573.449.2683
Peckham & Wright Architects an Architectural Corporation
Missouri State Certificate of Authority No. 000244

Professional Engineer Seal:
ERIC S. ROBBE
REGISTERED PROFESSIONAL ENGINEER
2022.09.13

M U

Project CP219078
MIZZOU NORTH DEMOLITION
115 W BUSINESS LOOP 70
COLUMBIA, MO
University of Missouri
For: The Curators of the University of Missouri

Drawn: Project Number:
202214

Checked: CAD File Name (Number):
D101.DWG

Drawing Title:
DEMOLITION PLAN & EXISTING PHOTOS

No.	Revisions:	Date:

Submission Date: Drawing Number:
09/13/2022 **D101**

Plot Date:
08/15/2022

MIZZOU NORTH

COLUMBIA, BOONE COUNTY, MISSOURI

DEMOLITION PLAN

UNIVERSITY OF MISSOURI PROJECT # CP219078

SEPTEMBER 13, 2022



UTILITY NOTES

ALL UTILITIES ARE UNIVERSITY OF MISSOURI, EXCEPT AS NOTED BELOW. THE LOCATIONS, SIZES, AND MATERIAL TYPES OF UNDERGROUND UTILITIES INDICATED ON THE PLAT, NOT VISIBLE OR APPARENT FROM THE SURFACE, ARE SHOWN IN THEIR APPROXIMATE LOCATIONS FROM A MISSOURI ONE CALL SYSTEM LOCATE, OR UTILITY COMPANY RECORDS AND WERE NOT VERIFIED IN THE FIELD. IRRIGATION LINES WERE NOT LOCATED. UNDERGROUND ELECTRIC LINES TO LIGHTS WERE NOT LOCATED.

UNIVERSITY OF MISSOURI
ENERGY MANAGEMENT OFFICE
417 SOUTH FIFTH STREET
COLUMBIA, MISSOURI 65211
CONTACT: 573-892-3094
ELECTRICAL, TELECOMMUNICATIONS, STEAM, WATER, CHILLED WATER, SANITARY SEWER, STORM SEWER

WATER
CITY OF COLUMBIA WATER & LIGHT DEPARTMENT
P.O. BOX 6015
COLUMBIA, MISSOURI 65205
CONTACT: JOE STRODTMANN 573-874-6308
12" ASBESTOS CEMENT LINE ALONG NORTH SIDE OF BUSINESS LOOP 70

ELECTRIC
CITY OF COLUMBIA WATER & LIGHT DEPARTMENT
P.O. BOX 6015
COLUMBIA, MISSOURI 65205
CONTACT: DAN CLARK 573-874-7738
AS SHOWN

GAS
AMEREN MISSOURI
2001 MAGUIRE BOULEVARD
COLUMBIA, MISSOURI 65201
CONTACT: TRENT SNOODGRASS 573-876-3063
8" (HIGH PRESSURE) LINE ALONG NORTH SIDE BUSINESS LOOP 70

TELECOMMUNICATIONS
CENTURYLINK
625 E. CHERRY STREET
COLUMBIA, MISSOURI 65201
CONTACT: DAVID ROBERTS 573-886-3503

AT&T
7351 ABC LANE
COLUMBIA, MISSOURI 65202
CONTACT: GRANT STAES 573-489-8727

MEDIACOM
1211 WILKES BOULEVARD
COLUMBIA, MISSOURI 65201
CONTACT: BOB BOKER 573-443-1536

CITY OF COLUMBIA WATER & LIGHT DEPARTMENT
P.O. BOX 6015
COLUMBIA, MISSOURI 65205
CONTACT: ERIC WORTS 573-874-6246

SANITARY SEWER
CITY OF COLUMBIA UTILITIES DEPARTMENT
P.O. BOX 6015
COLUMBIA, MISSOURI 65205
CONTACT: ERIN KEYS 573-874-7502
AS SHOWN

STORM SEWER
CITY OF COLUMBIA UTILITIES DEPARTMENT
P.O. BOX 6015
COLUMBIA, MISSOURI 65205
CONTACT: TOM WELLMAN 573-874-7250
AS SHOWN



VALVE ELEVATIONS

1. WV TOP=753.64 NUT=748.2	2. CV TOP=752.84 NUT=749.1	3. WV TOP=754.60 NUT=751.8	4. WV TOP=754.58 NUT=751.9
5. WV TOP=754.87 NUT=751.0	6. CV TOP=755.53 NUT=752.7	7. WV TOP=761.13 NUT=756.1	8. WV TOP=761.24 NUT=756.5
9. WV TOP=761.46 NUT=754.1	10. WV TOP=765.01 NUT=760.2	11. WV TOP=766.37 NUT=763.4	12. WV TOP=766.46 NUT=NOT ACCESSIBLE
13. WV TOP=766.77 NUT=763.6	14. WV TOP=759.41 NUT=756.2	15. WV TOP=759.40 NUT=756.3	16. WV TOP=759.13 NUT=754.7
17. WV TOP=758.9 NUT=756.3	18. WV TOP=760.61 NUT=753.3	19. CV TOP=758.15 NUT=754.2	

GRADING AND STORM SEWER CONSTRUCTION NOTES

- ALL STORM SEWER PIPES AND INLETS SHALL MEET HEAVY DUTY TRAFFIC (HS20) LOADING AND BE INSTALLED ACCORDINGLY.
- CONCRETE STORM SEWER INLETS & JUNCTION BOXES SHALL BE INSTALLED PER THE CITY OF COLUMBIA SPECIFICATIONS AND AS DETAILED IN THESE PLANS.
- REINFORCED CONCRETE PIPE (RCP) SHALL BE INSTALLED PER THE "EMBEDMENT OF RCP STORM SEWER PIPE" DETAIL. PIPE CLASS SHALL BE APPROPRIATE TO DEPTH AND BEDDING MATERIAL AS SHOWN IN SCHEDULE.
- ALL RCP PIPE JOINTS SHALL BE SOIL TIGHT PER CURRENT MDOOT SPECIFICATIONS SECTION 726.3.1.
- ALL HDPE PIPE SHALL BE ADS N-12 ST SOIL TIGHT, SMOOTH INTERIOR PIPE OR APPROVED EQUAL. INSTALLATION SHALL FOLLOW THE "EMBEDMENT OF PLASTIC STORM SEWER PIPE" DETAIL.
- PVC PIPE MAY BE USED IN LIEU OF HDPE FOR DIAMETERS LESS THAN 15". PVC PIPE SHALL BE SDR 35 OR GREATER, AS REQUIRED BY DEPTH OR AS NOTED IN THESE PLANS.
- INLINE DRAIN AND DRAIN BASINS SHALL BE NYLOPLAST, HARCO, OR APPROVED EQUAL AND SHALL BE PVC CONFORMING TO ASTM D1784 CELL CLASS 12454. JOINTS SHALL BE WATER TIGHT FLEXIBLE ELASTOMERIC SEALS CONFORMING TO ASTM D3212. INLINE DRAIN AND DRAIN BASIN GRATES AND FRAMES SHALL BE DUCTILE IRON CONFORMING TO ASTM A538 GRADE 70-50-05, OR 80-55-06.
- CONTRACTOR SHALL ADJUST ALL GRATES, MANHOLES, VALVE BOXES, ETC. TO MATCH FINISH GRADES, AS REQUIRED.
- ALL STRUCTURE CONNECTIONS SHALL BE WATERTIGHT.
- PIPE LENGTHS ARE GIVEN FROM CENTER OF STRUCTURE OR DOWNSTREAM END OF FLARED END SECTIONS.
- ALL FLARED END SECTIONS FOR CONCRETE PIPE SHALL BE REINFORCED PRECAST CONCRETE. ALL FLARED END SECTIONS FOR PLASTIC PIPE SHALL BE GALVANIZED METAL UNLESS OTHERWISE NOTED.
- ALL SITES USED FOR IMPORTING OR EXPORTING OF FILL MATERIAL SHALL HAVE AN ACTIVE MISSOURI DEPARTMENT OF NATURAL RESOURCES LAND DISTURBANCE PERMIT, AS REQUIRED.
- CONTRACTOR SHALL REMOVE ALL TRASH AND DEBRIS, TREES AND BRUSH, AND OTHER MATERIAL CREATED AS A RESULT OF CONSTRUCTION. MATERIAL SHALL BE DISPOSED OF IN COMPLIANCE WITH ALL APPLICABLE LAWS AND REGULATIONS. BURNING ON SITE SHALL BE ALLOWED BY PERMIT ONLY.
- CONTRACTOR SHALL REMOVE ALL STUMPS BY EXCAVATING TO INCLUDE REMOVAL OF ASSOCIATED ROOT SYSTEM.
- CONTRACTOR SHALL NOT ADVANCE TRENCH EXCAVATION BEYOND AMOUNT THAT CAN ACCOMMODATE PIPE INSTALLATION AND BACKFILLING AT THE END OF EACH DAY.
- ENGINEERED FILL SHOULD BE FREE OF FROZEN SOIL, ORGANICS, RUBBISH, LARGE ROCKS, WOOD, OR OTHER DELETERIOUS MATERIAL. COHESIVE FILLS SHOULD BE UNIFORMLY COMPACTED TO AT LEAST 95 PERCENT OF THE "STANDARD" MAXIMUM DRY DENSITY AND BE WITHIN -2 TO +4 PERCENT OF OPTIMUM MOISTURE CONTENT AS DESCRIBED BY ASTM D698. GRANULAR FILLS SHOULD BE UNIFORMLY COMPACTED TO AT LEAST 95 PERCENT OF THE "STANDARD" MAXIMUM DRY DENSITY. THE MOISTURE CONTENT SHOULD BE HIGH ENOUGH TO PROVIDE FOR PROPER COMPACTION BUT LOW ENOUGH TO PREVENT UNDUE PUMPING. PLACE FILL MATERIAL IN LOOSE LIFTS NOT TO EXCEED 8 INCHES IN THICKNESS.
- ROCKS AND STONES THAT EXCEED THE THICKNESS OF THE LOOSE LIFT FILL LAYER SHOULD BE REMOVED AND DISPOSED OF OFF THE IMMEDIATE CONSTRUCTION AREA.
- IMPORTED SOILS PROPOSED FOR USE AS FILL OR BACKFILL SHOULD BE REVIEWED AND ANALYZED BY THE CIVIL ENGINEER PRIOR TO USE ON SITE. SOIL CLASSIFIED AS MH, OH, OL, OR PT (HIGH PLASTICITY SOILS AND ORGANIC SOILS) BY THE UNIFIED SOIL CLASSIFICATION SYSTEM (ASTM D2487) SHOULD NOT BE IMPORTED FOR USE AS ENGINEERED FILL. SUITABLE IMPORTED MATERIALS FOR GENERAL SITE FILL ARE THOSE THAT CLASSIFY AS GW, GM, GC, SG, AND CL IN ACCORDANCE WITH ASTM D 2487.
- FILLS PLACED IN AREAS WHERE THE NATURAL SLOPE IS GREATER THAN 5H:1V (HORIZONTAL TO VERTICAL) SHOULD BE BENCHED INTO THE EXISTING GRADE TO REDUCE THE POTENTIAL FOR SLIPPAGE BETWEEN EXISTING SLOPES AND ENGINEERED FILL. BENCHES SHOULD BE LEVEL AND WIDE ENOUGH TO ACCOMMODATE COMPACTION AND EARTH MOVING EQUIPMENT.
- FILL AND SUBGRADE CONSTRUCTION SHOULD NOT BE STARTED ON FOUNDATION SOIL, PARTIALLY COMPLETED FILL, OR SUBGRADES THAT CONTAIN FROST OR ICE. FILL SHOULD NOT BE CONSTRUCTED USING FROZEN SOIL. FROZEN SOIL SHOULD BE REMOVED PRIOR TO PLACING FILL MATERIAL.
- AFTER STRIPPING AND GRUBBING OPERATIONS ARE COMPLETED AND PRIOR TO FILL PLACEMENT, AREAS TO BE FILLED SHALL BE PROOF ROLLED USING A LOADED TANDUM AXLE DUMP TRUCK TO IDENTIFY SOFT AND UNSUITABLE AREAS. SOFT MATERIAL MAY BE MOISTURE CONDITIONED AND REUSED AS ENGINEERED FILL, UNSUITABLE AND DELETERIOUS MATERIAL SHALL BE REMOVED FROM SITE.
- ALL NEW UTILITY TRENCHES SHOULD BE BACKFILLED IN ACCORDANCE WITH APPROPRIATE CONTROLLED ENGINEERED FILL SPECIFICATIONS.
- FIELD DENSITY TESTS SHOULD BE CONDUCTED IN ACCORDANCE WITH ASTM D6938 (NUCLEAR METHODS) OR ASTM D 1556 (SAND CONE METHOD). FIELD DENSITY TESTS SHOULD BE PERFORMED AT THE RATE OF ONE TEST PER 2,500 SQUARE FEET PER LIFT WITHIN THE BUILDING AND 10,000 SQUARE FEET PER LIFT BENEATH PAVEMENTS, SIDEWALKS, AND OTHER POTENTIAL STRUCTURAL AREAS WITH A MINIMUM OF 3 TESTS PER LIFT AND ONE TEST PER 150 LINEAL FEET PER LIFT FOR FOUNDATION, TRENCH AND WALL BACKFILL.
- CONTRACTOR SHALL ASSURE POSITIVE DRAINAGE AWAY FROM ALL BUILDINGS FOR ALL LANDSCAPED AND PAVED AREAS.
- CONTRACTOR SHALL GRADE THE SITE 6 INCHES LOWER THAN FINISH GRADE CONTOURS SO OWNER'S LANDSCAPE SERVICES CAN INSTALL TOPSOIL AND FINAL SEEDING.

HAZARDOUS SUBSTANCE NOTE

- SUBSTANCES REGULATED BY FEDERAL LAW UNDER THE RESOURCE CONSERVATION AND RECOVERY ACT (RCRA) OR THE COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY ACT (CERCLA) WHICH ARE TRANSPORTED, STORED OR USED FOR MAINTENANCE, CLEANING OR REPAIRS SHALL BE MANAGED ACCORDING TO THE PROVISIONS OF RCRA AND CERCLA.
- ALL PAINTS, SOLVENTS, PETROLEUM PRODUCTS AND PETROLEUM WASTE PRODUCTS (EXCEPT FUELS) AND STORAGE CONTAINERS (SUCH AS DRUMS, CANS OR CARTONS) SHALL BE STORED SUCH THAT THESE MATERIALS ARE NOT EXPOSED TO STORM WATER. SUFFICIENT PRACTICES OF SPILL PREVENTION, CONTROL AND/OR MANAGEMENT SHALL BE PROVIDED TO PREVENT ANY SPILLS OF THESE POLLUTANTS FROM ENTERING A WATER OF THE STATE. ANY CONTAINMENT SYSTEM USED TO IMPLEMENT THIS REQUIREMENT SHALL BE CONSTRUCTED OF MATERIALS COMPATIBLE WITH THE SUBSTANCES CONTAINED AND SHALL ALSO PREVENT THE CONTAMINATION OF GROUNDWATER.
- THE APPLICANT SHALL NOTIFY BY TELEPHONE AND IN WRITING THE DEPARTMENT OF NATURAL RESOURCES, WATER POLLUTION CONTROL PROGRAM, POST OFFICE BOX 176, JEFFERSON CITY, MO 65102, 1-800-361-4827, OF ANY OIL SPILLS OR IF HAZARDOUS SUBSTANCES ARE FOUND DURING THE PROSECUTION OF WORK UNDER THIS PERMIT.

STORM WATER POLLUTION PREVENTION PLAN NOTES

- CONTRACTOR SHALL FOLLOW THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AND ADHERE TO ALL TERMS & CONDITIONS AS OUTLINED IN THE GENERAL N.P.D.E.S. PERMIT FOR STORM WATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITIES. A COPY OF THIS PLAN, SWPPP, AND ALL PERMITS SHALL REMAIN ON SITE THROUGHOUT CONSTRUCTION.
- NO LAND CLEARING OR GRADING SHALL BEGIN UNTIL ALL EROSION CONTROL MEASURES HAVE BEEN INSTALLED AND APPROVAL HAS BEEN RECEIVED FROM ALL GOVERNING AUTHORITIES.
- IMMEDIATELY UPON COMPLETION OF FINISH GRADING IN EACH AREA, ALL LANDSCAPING AREAS SHALL BE STABILIZED PER PLANS AND/OR SPECIFICATIONS.
- SHOULD CONSTRUCTION STOP FOR LONGER THAN 14 DAYS, THE SITE SHALL BE SEEDED AS SPECIFIED IN THE SWPPP.
- SITE INSPECTION SHOULD OCCUR ON A REGULAR SCHEDULE AND WITHIN 24 HOURS OF A STORM EVENT OF 0.25 INCHES OR GREATER. REGULARLY SCHEDULED INSPECTION SHALL BE A MINIMUM OF ONCE EVERY 7 CALENDAR DAYS. ANY DEFICIENCIES SHALL BE NOTED IN A WEEKLY REPORT OF THE INSPECTION AND CORRECTED WITHIN SEVEN CALENDAR DAYS OF THE REPORT.
- THIS PLAN SHALL NOT BE CONSIDERED ALL INCLUSIVE AS THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PREVENT SOIL SEDIMENT FROM LEAVING THE SITE.
- CONTRACTOR SHALL COMPLY WITH ALL STATE AND LOCAL ORDINANCES THAT APPLY.
- ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED IF DEEMED NECESSARY BY ON SITE INSPECTION.
- ALL SLOPES GREATER THAN 3:1 SHALL BE REINFORCED BY NORTH AMERICAN GREEN P300 PERMANENT TURF REINFORCEMENT MAT OR APPROVED EQUAL.
- CONTRACTOR SHALL REMOVE ALL TRASH, DEBRIS, TREES & BRUSH AND OTHER MATERIAL CREATED AS A RESULT OF THE CONSTRUCTION WORK AND THE SITE SHALL BE RETURNED TO ITS ORIGINAL CONDITION.
- ALL LANDSCAPED AREAS SHALL BE GRASS COVERED. OWNER SHALL INSTALL FINAL LANDSCAPING AND TURF.
- THE SITE CONTRACTOR SHALL INCLUDE MAINTENANCE OF ALL BMP'S AS PART OF THEIR CONTRACT AND SHALL BE RESPONSIBLE FOR THE PROJECT UNTIL THE PROJECT IS ACCEPTED BY THE OWNER.
- SOIL STOCKPILES SHALL COMPLY WITH THE CITY OF COLUMBIA ORDINANCE SECTION 12A-71 "STOCKPILE OF SOIL".

UTILITY CONSTRUCTION NOTES

- LOCATION OF SITE UTILITIES SHALL BE VERIFIED BY CONTRACTOR AND THE PROPER UTILITY COMPANY PROVIDING SERVICE PRIOR TO THE START OF CONSTRUCTION.
- EXISTING UTILITIES SHALL BE VERIFIED IN FIELD.
- UTILITY CAPS ARE SHOWN IN APPROXIMATE LOCATIONS.
- SITE CONTRACTOR SHALL COORDINATE WITH ALL UTILITY COMPANIES FOR CONSTRUCTION REQUIREMENTS AND SPECIFICATIONS. CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH THE SPECIFICATIONS OF COLUMBIA WATER AND LIGHT DEPARTMENT AND CITY OF COLUMBIA UTILITIES WITH REGARDS TO MATERIALS AND INSTALLATION OF THE WATER AND SEWER LINES, RESPECTIVELY.
- SITE CONTRACTOR SHALL CONTACT AMEREN MISSOURI TO COORDINATE REMOVAL OF THE GAS SERVICE.
- ALL TRENCHING, PIPE LAYING, AND BACKFILLING SHALL BE IN ACCORDANCE WITH FEDERAL OSHA REGULATIONS. BACKFILL OF TRENCHES THROUGH ANY IMPROVED AREAS, SUCH AS STREET, DRIVES OR PARKING LOTS SHALL BE COMPACTED TO MINIMUM 95% STANDARD PROCTOR DENSITY (ASTM D-698).
- ALL UNDERGROUND UTILITY CONDUITS SHALL BE PLACED 48" BELOW FINISH GRADE UNLESS NOTED OTHERWISE.
- WATER MAINS SHALL BE LAID AT LEAST 10 FEET HORIZONTALLY, MEASURED EDGE TO EDGE, FROM ANY EXISTING OR PROPOSED SANITARY SEWER. WATER MAINS CROSSING SANITARY SEWERS SHALL BE LAID TO PROVIDE A MINIMUM VERTICAL CLEAR DISTANCE OF 18 INCHES BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF THE SANITARY SEWER. CENTER TO CENTER LENGTH OF WATER MAIN OVER OR UNDER THE SEWER SO BOTH WATER MAIN JOINTS ARE AS FAR FROM THE SEWER AS POSSIBLE. AT SANITARY SEWER CROSSINGS, PLACE COMPACTED CLAY SOIL BACKFILL 18 INCHES ABOVE OR BELOW THE WATER MAIN FOR A DISTANCE OF AT LEAST 10 FEET ON EITHER SIDE OF THE SANITARY SEWER. CONTRACTOR SHALL NOTIFY ENGINEER IF HORIZONTAL AND VERTICAL SEPARATION CANNOT BE PROVIDED.
- ALL UNDERGROUND LINES SHALL BE INSTALLED, INSPECTED AND APPROVED BEFORE BACKFILLING.
- TOPS OF EXISTING HANDHOLES SHALL BE RAISED AS NECESSARY TO BE FLUSH WITH PROPOSED FINISHED ELEVATIONS.
- ALL NECESSARY INSPECTIONS AND/OR CERTIFICATIONS REQUIRED BY CODE AND/OR UTILITY SERVICE COMPANIES SHALL BE PERFORMED PRIOR TO ANNOUNCED BUILDING POSSESSION AND THE FINAL CONNECTION OF SERVICE.
- REFER TO MEP PLANS FOR SITE LIGHTING PLAN.
- PVC CONDUIT SHALL BE SCHEDULE 40 PVC WITH LONG SWEEPS ONLY (36" MINIMUM RADIUS) AND CONTAIN FULLTAP, UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL PROVIDE AND INSTALL THE CONCRETE PAD FOR THE TRANSFORMER PER THE ELECTRIC COMPANY SPECIFICATIONS AS REQUIRED.
- SITE CONTRACTOR SHALL CONTACT THE COLUMBIA WATER & LIGHT DEPARTMENT TO COORDINATE INSTALLATION OF NEW TRANSFORMERS.
- A MINIMUM 18" OF VERTICAL SEPARATION SHALL BE MAINTAINED BETWEEN THE OUTSIDE OF THE ELECTRIC CONDUIT AND THE OUTSIDE OF THE WATER, STORM SEWER, SANITARY SEWER, OR GAS PIPE AT ALL CROSSINGS.

CODE CONFORMANCE NOTES

THESE PLANS CONFORM TO THE CURRENT CITY OF COLUMBIA CODE OF ORDINANCES FOR:

- CHAPTER 12A, ARTICLE V: STORMWATER MANAGEMENT
- CHAPTER 12A, ARTICLE X: STREAM BUFFER REQUIREMENTS
- CHAPTER 12A-71: STOCKPILE OF SOIL
- CHAPTER 29-4.4: LANDSCAPING, SCREENING, AND TREE PRESERVATION

LEGEND

—	PROPERTY LINE
—	ELECTRIC LINE
—	TELECOMMUNICATIONS LINE
—	UNDERGROUND ELECTRIC LINE
—	UNDERGROUND TELECOMMUNICATIONS LINE
—	SANITARY SEWER LINE
—	STORM SEWER LINE
—	GAS LINE
—	WATER LINE
—	FENCE
—	TREE & BRUSH LINE
—	DRAINAGE SWALE
—	EXISTING CONTOUR
—	ANCHOR
—	IRON
—	R/W MARKER
⊕	DRILL HOLE
⊙	CONTROL POINT
⊙	AIR CONDITIONER
⊙	ASBESTOS CEMENT PIPE
⊙	CAST IRON PIPE
⊙	CORRUGATED METAL PIPE
⊙	CORRUGATED PLASTIC PIPE
⊙	COLUMBIA WATER & LIGHT
⊙	ELECTRIC BOX
⊙	FIRE DEPARTMENT CONNECTION
⊙	FLARED END SECTION
⊙	FIRE HYDRANT
⊙	FLOW LINE
⊙	GAS METER
⊙	GAS VALVE
⊙	HIGH DENSITY POLYETHYLENE PIPE
⊙	LIGHT STANDARD
⊙	POLYVINYL CHLORIDE PIPE
⊙	REINFORCED CONCRETE PIPE
⊙	TELECOMMUNICATIONS PEDESTAL
⊙	TOP OF WALL
⊙	UTILITY POLE
⊙	VERTIFIED CLAY PIPE
⊙	WATER METER
⊙	WATER VALVE
⊙	PROPOSED FENCE
⊙	FINISH CONTOUR
⊙	FINISH GRADE ELEVATION
⊙	PROPOSED WATER LINE
⊙	PROPOSED FIRE HYDRANT & VALVE
⊙	THRUST COLLAR
⊙	DEMOLITION AREA
⊙	FEATURE REMOVAL
⊙	TYPE III BARRICADE
⊙	TEMPORARY TRAFFIC CONTROL SIGN

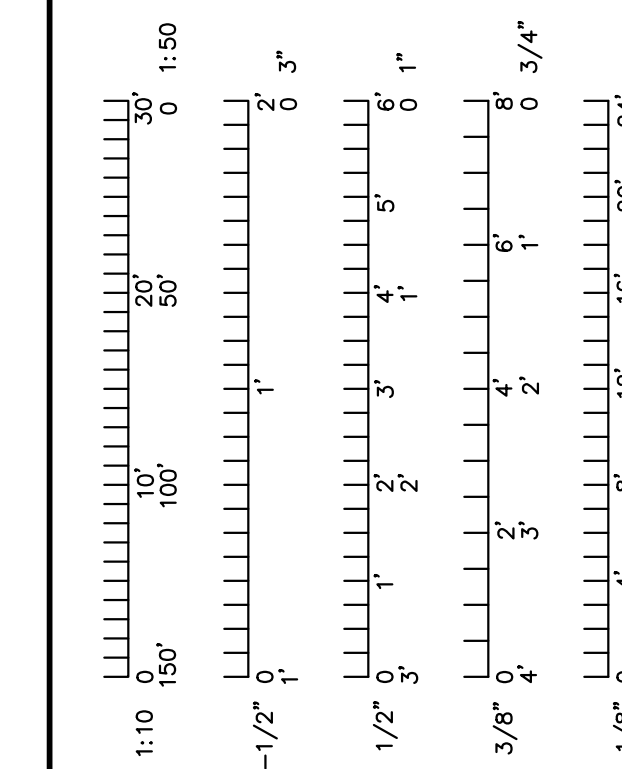
CONSTRUCTION NOTES

- THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANIES AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.
- CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE GOVERNING CODES AND BE CONSTRUCTED TO SAME.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT ALL IDENTIFIED PROPERTY CORNERS, LAND SURVEY CORNERS, AND ACCESSORIES. THE CONTRACTOR SHALL CAUSE THE CORNERS AND ACCESSORIES TO BE REFERENCED BY A LICENSED LAND SURVEYOR, AND ANY SUCH CORNER OR ACCESSORIES DISTURBED OR DESTROYED DURING CONSTRUCTION SHALL BE RESET BY THE SURVEYOR AT THE ORIGINAL LOCATION, AND FILE THE RESTORATIONS AND MONUMENT DOCUMENTS AS THE LAW REQUIRES.
- CONTRACTOR SHALL ADJUST AND/OR CUT EXISTING PAVEMENT AS NECESSARY TO ASSURE A SMOOTH FIT AND CONTINUOUS GRADE.
- HEAVY DUTY PAVEMENT MAY BE CONCRETE OR ASPHALT UNLESS OTHERWISE NOTED. INTEGRAL CURB MAY BE USED FOR CONCRETE PAVEMENT.
- ALL TRAFFIC CONTROL SHALL BE PER CURRENT MUTCD REQUIREMENTS AND SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. A TRAFFIC CONTROL PLAN WILL BE REQUIRED FOR ANY WORK WITHIN THE RIGHT-OF-WAY.
- CONTRACTOR IS RESPONSIBLE FOR NOTIFYING THE FOLLOWING AGENCIES, AS REQUIRED, IMMEDIATELY PRIOR TO CLOSURE OF STREET, DURING CONSTRUCTION FOR INSPECTIONS AND AGAIN WHEN WORK IS COMPLETE AND STREET IS REOPENED:

SITE DEVELOPMENT (ROW INSPECTIONS)	874-7474
BUILDING SAFETY (PLUMBING/BUILDING INSPECTIONS)	874-7474
JOINT COMMUNICATIONS (EMERGENCY SERVICES)	874-8471
COLUMBIA TRANSIT (CITY BUSES)	874-7282
PARKING ENFORCEMENT (PARKING METERS)	874-7674
PUBLIC WORKS STREET DIVISION (STREET PATCHING)	874-6289

SHEET INDEX

No.	Revisions	Date
C0.01	COVER & GENERAL NOTES	
C1.01-C1.02	TEMPORARY TRAFFIC CONTROL PLAN	
C2.01	OVERALL EROSION CONTROL PLAN	
C3.01	OVERALL SCOPE & KEY PLAN	
C4.01	PHASE 1 DEMOLITION PLAN	
C4.02-C4.06	PHASE 2 DEMOLITION PLAN	
C5.01-C5.05	FINAL SITE PLAN AFTER DEMOLITION	
C6.01	PHASE 1 GRADING PLAN	
C6.02	PHASE 2 GRADING PLAN	
C7.01	SITE & EROSION CONTROL DETAILS	
C8.01	TEMPORARY TRAFFIC CONTROL DETAILS	



MEP:

Ross & Baruzzini

CIVIL:

ES&S
Engineering Surveys & Services
DELIVERING YOUR VISION™
1113 Fay Street, Columbia, MO 65201
673-449-2646
www.esandinc.com
MO Engineering Corp. # 2004005018
ES&S JOB NO. 15633

ARCHITECT:

PWArchitects, Inc.
2120 Forum Blvd., Ste. 101
Columbia, Missouri 65203
PWArchitects.com | 573.449.2683
Pesham & Wright Architects an Architectural Corporation
Missouri State Certificate of Authority No. 000244

9/13/2022

SEAL OF THE STATE OF MISSOURI
BENJAMIN A. ROSS
NUMBER
E-30054
Professional Engineer
Benjamin A. Ross REGISTERED PROFESSIONAL ENGINEER E-30054

Project CP219078

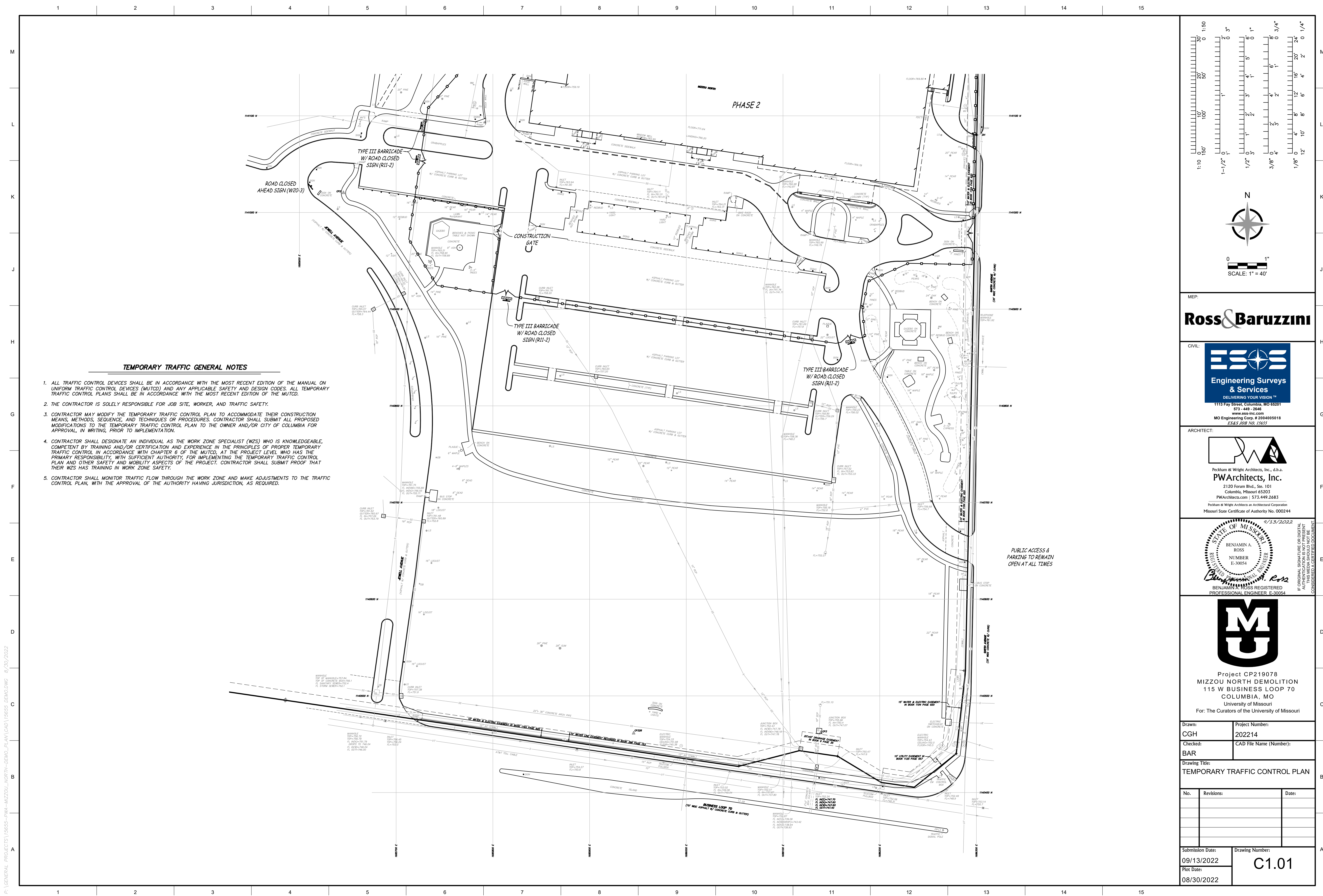
MIZZOU NORTH DEMOLITION
115 W BUSINESS LOOP 70
COLUMBIA, MO
University of Missouri
For The Curators of the University of Missouri

Drawn: Project Number:
CGH 202214
Checked: CAD File Name (Number):
BAR

Drawing Title:
COVER & GENERAL NOTES

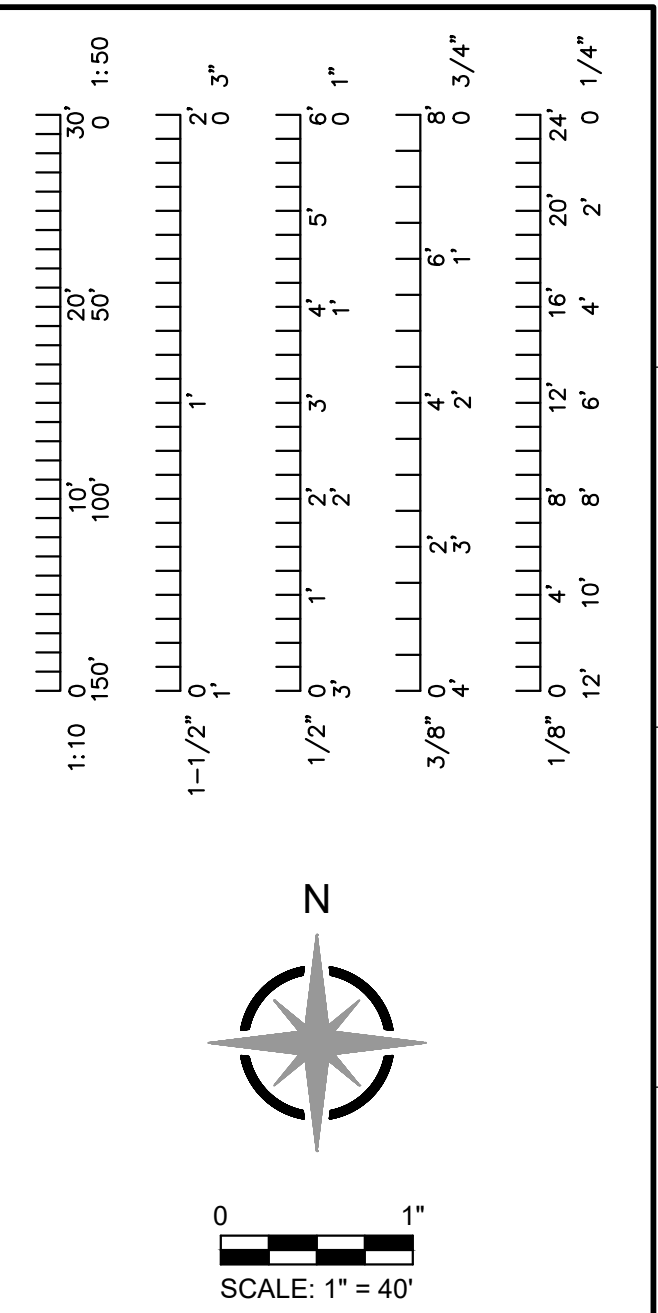
No.	Revisions	Date

Submission Date: 09/13/2022
Drawing Number: **C0.01**
Plot Date: 08/30/2022



TEMPORARY TRAFFIC GENERAL NOTES

1. ALL TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH THE MOST RECENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND ANY APPLICABLE SAFETY AND DESIGN CODES. ALL TEMPORARY TRAFFIC CONTROL PLANS SHALL BE IN ACCORDANCE WITH THE MOST RECENT EDITION OF THE MUTCD.
2. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR JOB SITE, WORKER, AND TRAFFIC SAFETY.
3. CONTRACTOR MAY MODIFY THE TEMPORARY TRAFFIC CONTROL PLAN TO ACCOMMODATE THEIR CONSTRUCTION MEANS, METHODS, SEQUENCE, AND TECHNIQUES OR PROCEDURES. CONTRACTOR SHALL SUBMIT ALL PROPOSED MODIFICATIONS TO THE TEMPORARY TRAFFIC CONTROL PLAN TO THE OWNER AND/OR CITY OF COLUMBIA FOR APPROVAL, IN WRITING, PRIOR TO IMPLEMENTATION.
4. CONTRACTOR SHALL DESIGNATE AN INDIVIDUAL AS THE WORK ZONE SPECIALIST (WZS) WHO IS KNOWLEDGEABLE, COMPETENT BY TRAINING AND/OR CERTIFICATION AND EXPERIENCE IN THE PRINCIPLES OF PROPER TEMPORARY TRAFFIC CONTROL IN ACCORDANCE WITH CHAPTER 6 OF THE MUTCD, AT THE PROJECT LEVEL WHO HAS THE PRIMARY RESPONSIBILITY, WITH SUFFICIENT AUTHORITY, FOR IMPLEMENTING THE TEMPORARY TRAFFIC CONTROL PLAN AND OTHER SAFETY AND MOBILITY ASPECTS OF THE PROJECT. CONTRACTOR SHALL SUBMIT PROOF THAT THEIR WZS HAS TRAINING IN WORK ZONE SAFETY.
5. CONTRACTOR SHALL MONITOR TRAFFIC FLOW THROUGH THE WORK ZONE AND MAKE ADJUSTMENTS TO THE TRAFFIC CONTROL PLAN, WITH THE APPROVAL OF THE AUTHORITY HAVING JURISDICTION, AS REQUIRED.



MEP:
Ross & Baruzzini

CIVIL:
ES&S
Engineering Surveys & Services
DELIVERING YOUR VISION™
1113 Fay Street, Columbia, MO 65201
673-449-2646
www.esinc.com
MO Engineering Corp. # 200405018
ES&S JOB NO. 15633

ARCHITECT:
PWArchitects, Inc.
2120 Forum Blvd., Ste. 101
Columbia, Missouri 65203
PWArchitects.com | 573.449.2683
Peckham & Wright Architects an Architectural Corporation
Missouri State Certificate of Authority No. 000244

9/13/2022
STATE OF MISSOURI
BENJAMIN A. ROSS
NUMBER E-30054
REGISTERED PROFESSIONAL ENGINEER
Benjamin A. Ross
BENJAMIN A. ROSS REGISTERED PROFESSIONAL ENGINEER E-30054
IF ORIGINAL SIGNATURE OR DIGITAL AUTHENTICATION IS NOT PRESENT CONSIDERED A CERTIFIED DOCUMENT

MU
Project CP219078
MIZZOU NORTH DEMOLITION
115 W BUSINESS LOOP 70
COLUMBIA, MO
University of Missouri
For The Curators of the University of Missouri

Drawn: CGH Project Number: 202214

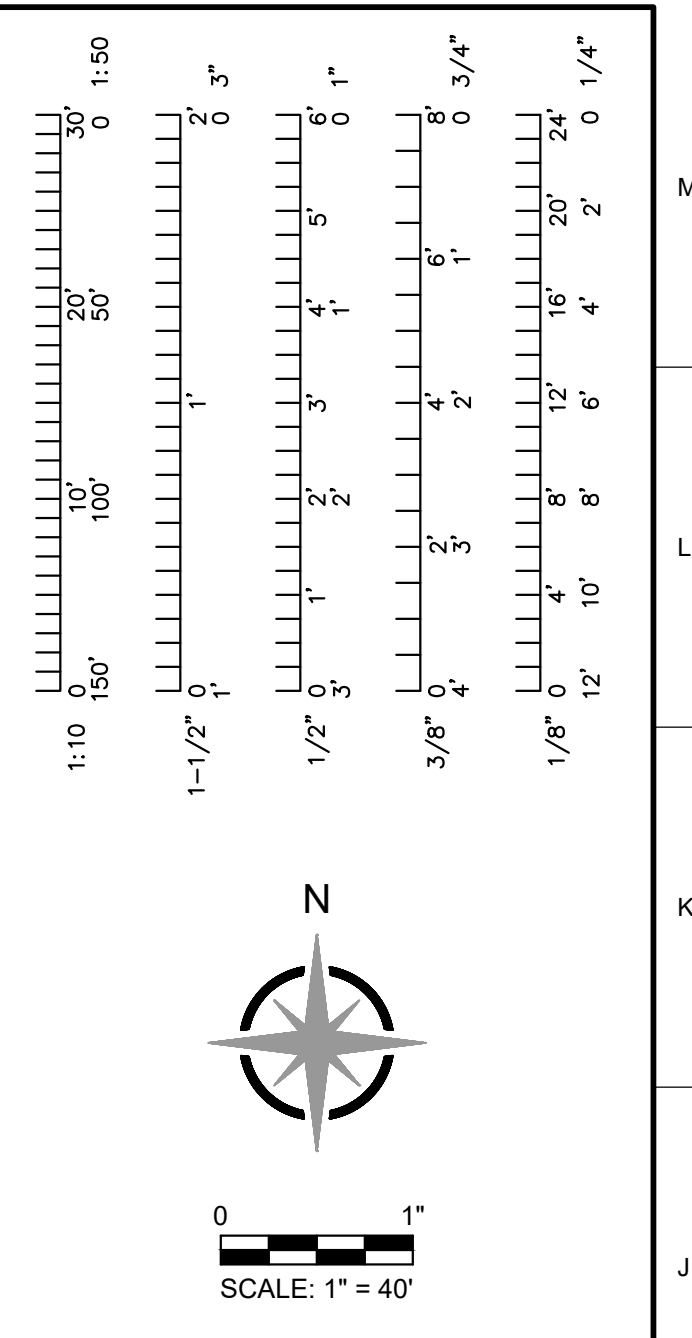
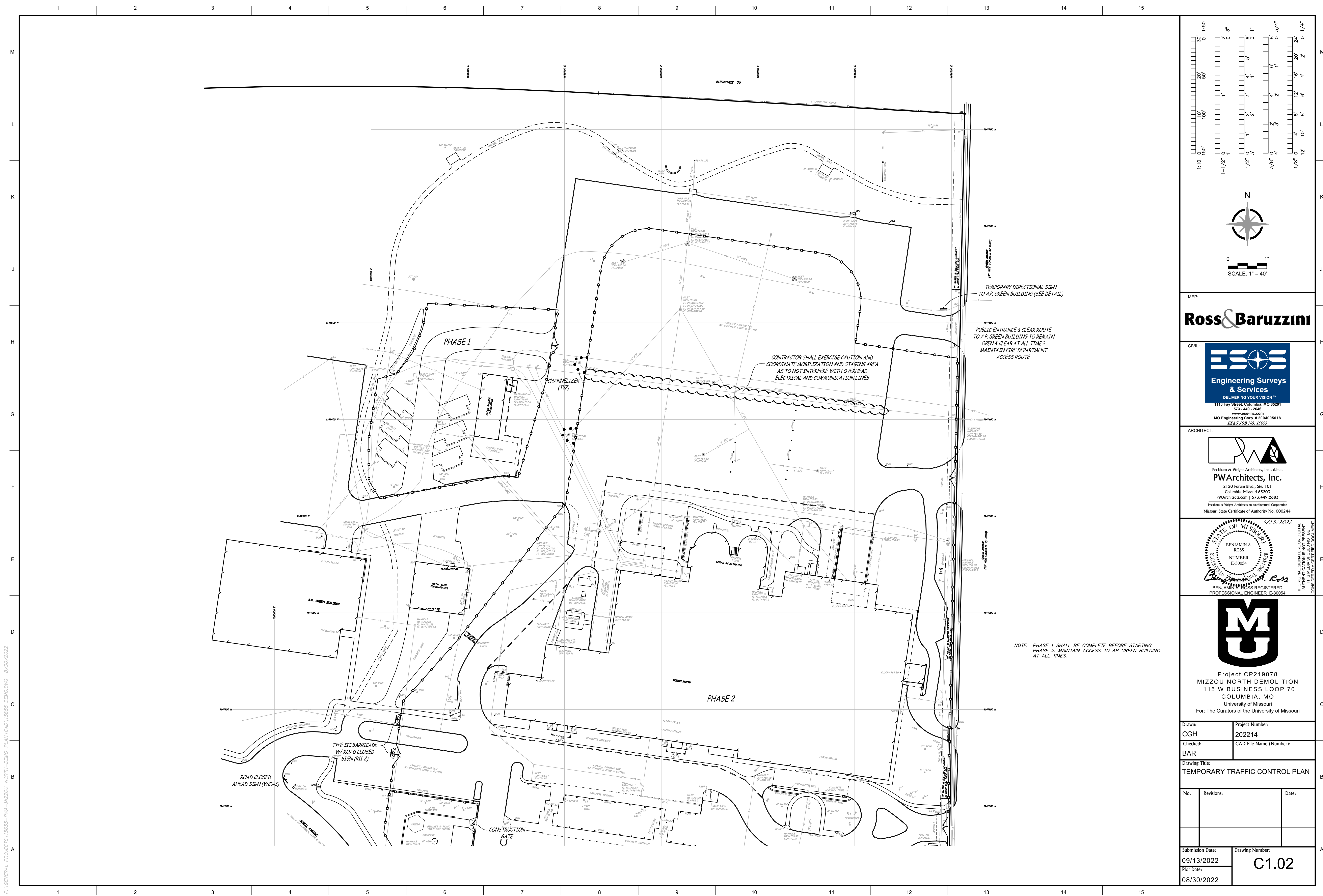
Checked: BAR CAD File Name (Number):

Drawing Title:
TEMPORARY TRAFFIC CONTROL PLAN

No.	Revisions:	Date:

Submission Date: 09/13/2022 Drawing Number: **C1.01**
Plot Date: 08/30/2022

P:\GENERAL PROJECTS\15655-PWA-MIZZOU-NORTH-DEMO-PLAN\CAD\15655-DEM.DWG 8/30/2022



MEP:
Ross & Baruzzini

CIVIL:
ES&S
Engineering Surveys & Services
DELIVERING YOUR VISION™
1113 Fay Street, Columbia, MO 65201
673-449-2646
www.esinc.com
MO Engineering Corp. # 2004095018
ES&S 208 No. 13633

ARCHITECT:
PWArchitects, Inc.
2120 Forum Blvd., Ste. 101
Columbia, Missouri 65203
PWArchitects.com | 573.449.2683
Peckham & Wright Architects an Architectural Corporation
Missouri State Certificate of Authority No. 000244

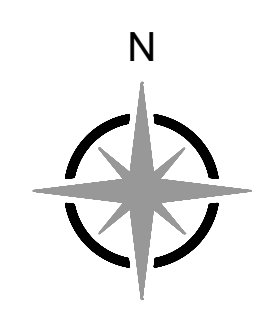
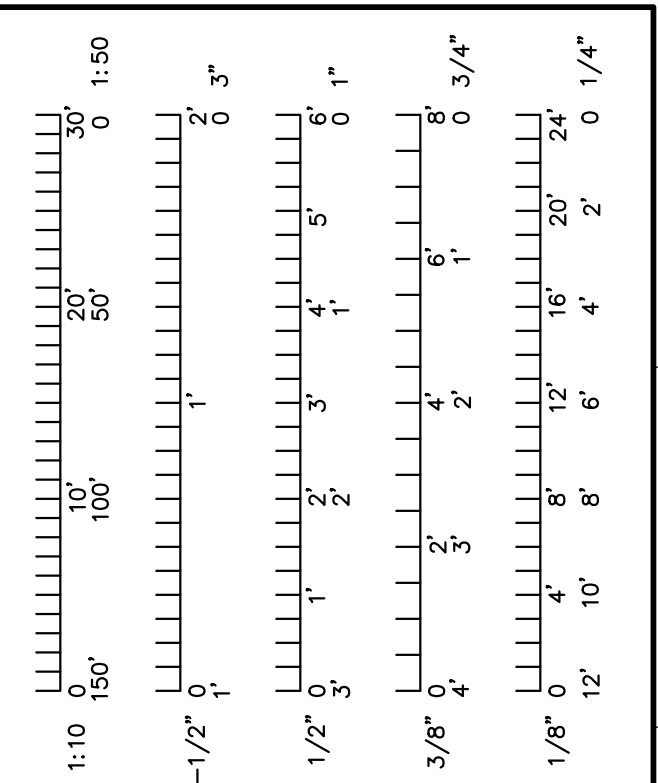
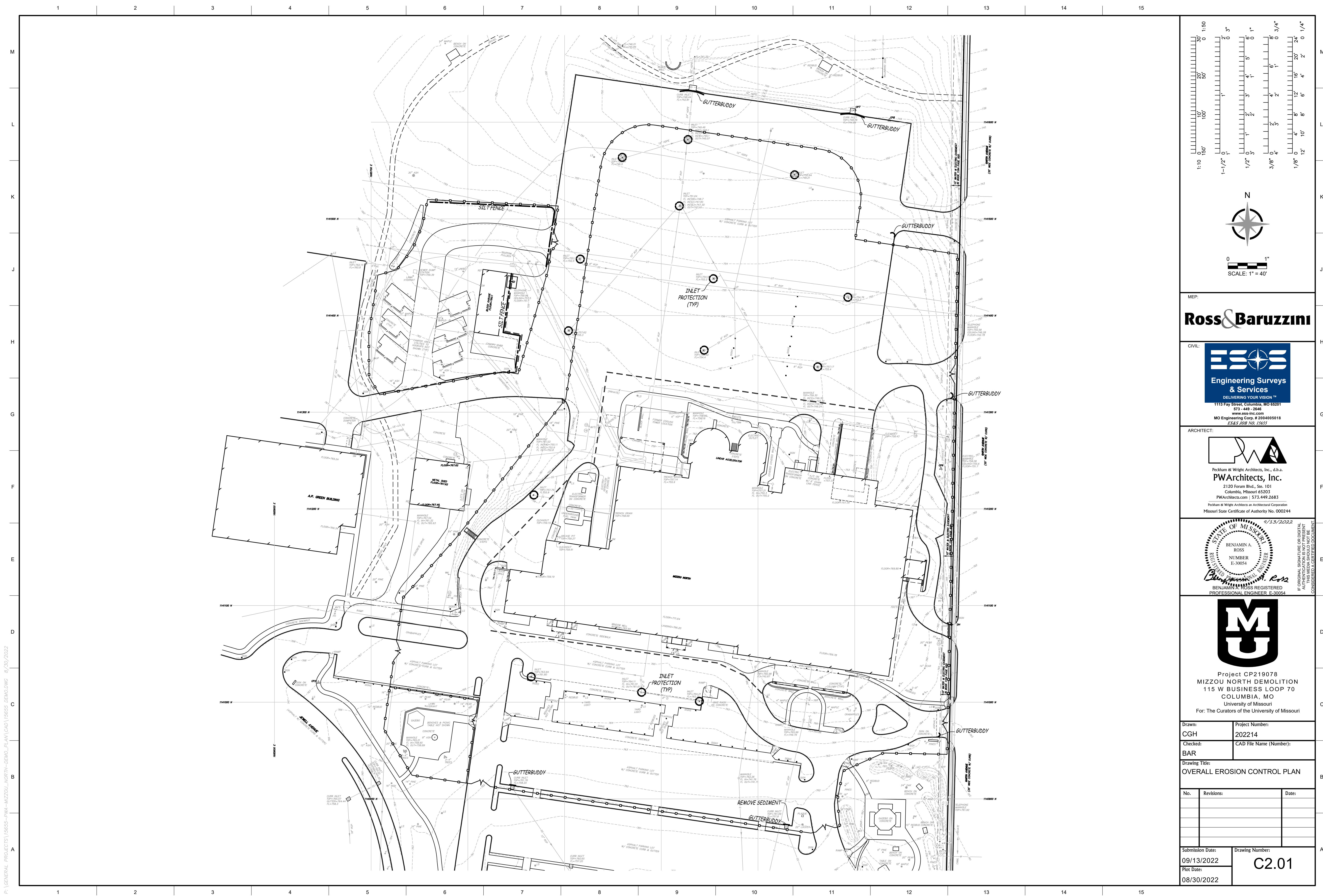
9/13/2022
STATE OF MISSOURI
BENJAMIN A. ROSS
NUMBER E-30054
Professional Engineer
BENJAMIN A. ROSS REGISTERED PROFESSIONAL ENGINEER E-30054
IF ORIGINAL SIGNATURE OR DIGITAL AUTHENTICATION IS NOT PRESENT, THIS DOCUMENT IS CONSIDERED A CERTIFIED DOCUMENT.

M
Project CP219078
MIZZOU NORTH DEMOLITION
115 W BUSINESS LOOP 70
COLUMBIA, MO
University of Missouri
For The Curators of the University of Missouri

Drawn: CGH	Project Number: 202214	
Checked: BAR	CAD File Name (Number):	
Drawing Title: TEMPORARY TRAFFIC CONTROL PLAN		
No.	Revisions:	Date:
Submission Date: 09/13/2022	Plot Date: 08/30/2022	Drawing Number: C1.02

NOTE: PHASE 1 SHALL BE COMPLETE BEFORE STARTING PHASE 2. MAINTAIN ACCESS TO A.P. GREEN BUILDING AT ALL TIMES.

P:\GENERAL PROJECTS\15655-PWA-MIZZOU-NORTH-DEMO-PLAN\CAD\15655 DEMO.DWG 8/30/2022



SCALE: 1" = 40'

MEP:
Ross & Baruzzini

CIVIL:
ES&S
Engineering Surveys & Services
DELIVERING YOUR VISION™
1113 Fay Street, Columbia, MO 65201
673-449-2646
www.esinc.com
MO Engineering Corp. # 2004095018
ES&S JOB NO. 15633

ARCHITECT:

Peckham & Wright Architects, Inc., d.b.a.
PWArchitects, Inc.
2120 Forum Blvd., Ste. 101
Columbia, Missouri 65203
PWArchitects.com | 573.449.2683
Peckham & Wright Architects an Architectural Corporation
Missouri State Certificate of Authority No. 000244

9/13/2022

BENJAMIN A. ROSS REGISTERED PROFESSIONAL ENGINEER E-30054
IF ORIGINAL SIGNATURE OR DIGITAL AUTHENTICATION IS NOT PRESENT, CONSIDERED A CERTIFIED DOCUMENT.

Project CP219078
MIZZOU NORTH DEMOLITION
115 W BUSINESS LOOP 70
COLUMBIA, MO
University of Missouri
For: The Curators of the University of Missouri

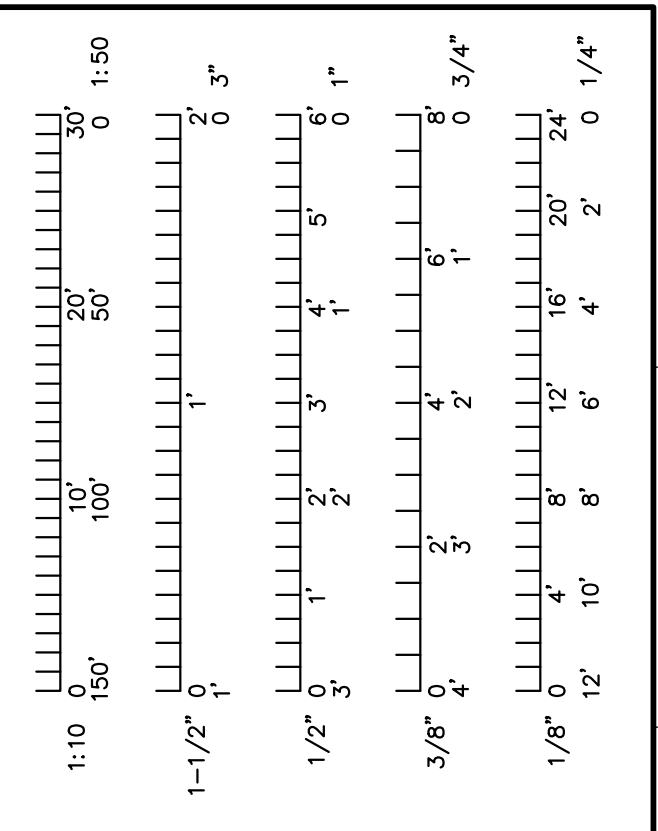
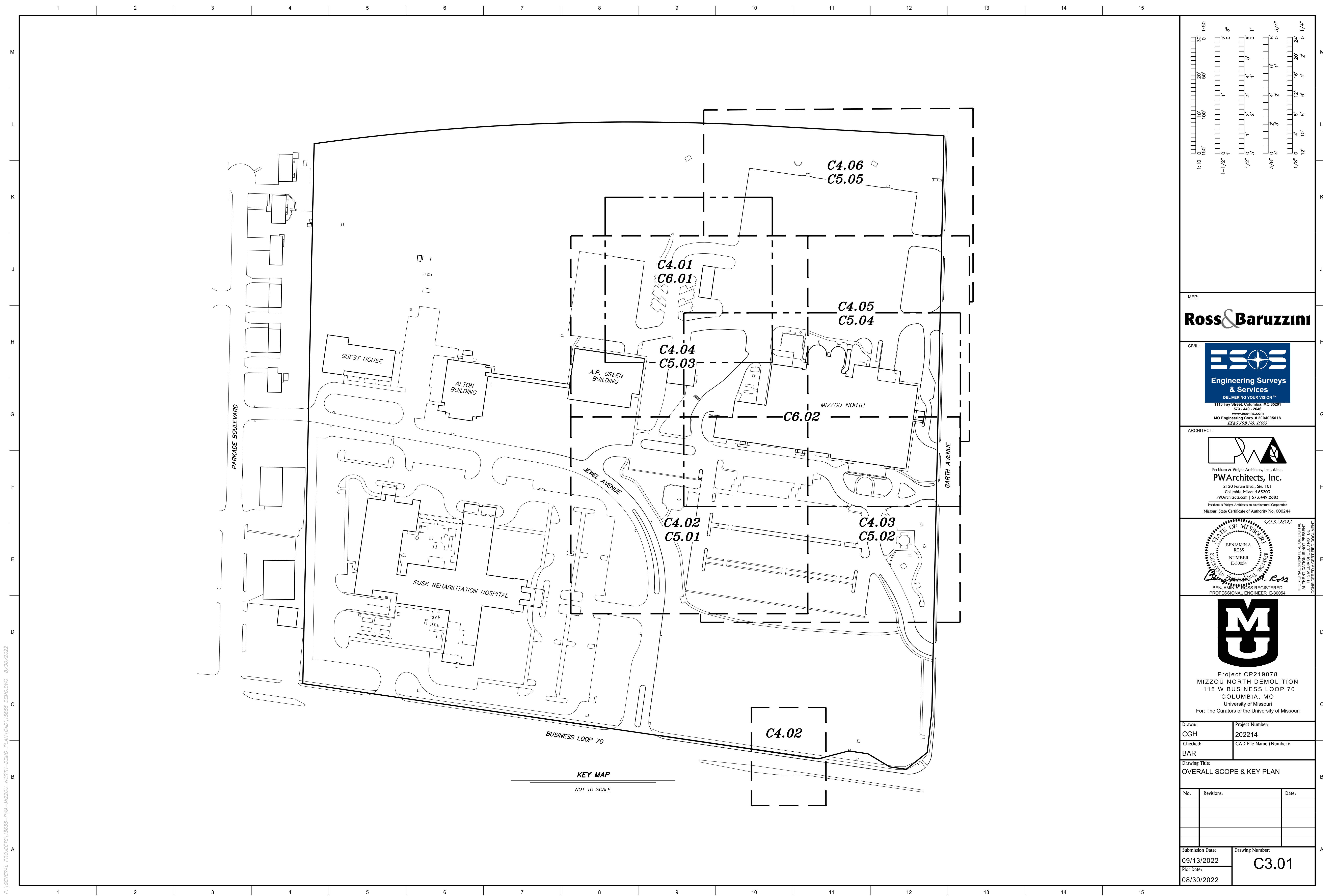
Drawn: CGH	Project Number: 202214
Checked: BAR	CAD File Name (Number):

Drawing Title:
OVERALL EROSION CONTROL PLAN

No.	Revisions:	Date:

Submission Date: 09/13/2022	Plot Date: 08/30/2022	Drawing Number: C2.01
--------------------------------	--------------------------	---------------------------------

P:\GENERAL PROJECTS\15633-PWA-MIZZOU-NORTH-DEMO-PLAN\CAO\15633-DEM.DWG 8/20/2022



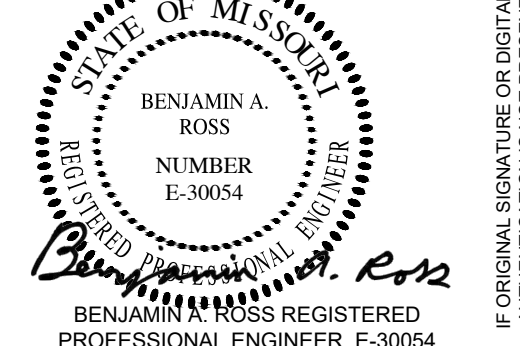
MEP:
Ross & Baruzzini

CIVIL:

 Engineering Surveys & Services
 DELIVERING YOUR VISION™
 1113 Fay Street, Columbia, MO 65201
 673-449-2646
 www.esinc.com
 MO Engineering Corp. # 2004095018
 ES&S 208 No. 13633

ARCHITECT:

 Peckham & Wright Architects, Inc., d.b.a.
PWArchitects, Inc.
 2120 Forum Blvd., Ste. 101
 Columbia, Missouri 65203
 PWArchitects.com | 573.449.2683
 Peckham & Wright Architects an Architectural Corporation
 Missouri State Certificate of Authority No. 000244

9/13/2022

 BENJAMIN A. ROSS
 NUMBER E-30054
 BENJAMIN A. ROSS REGISTERED PROFESSIONAL ENGINEER E-30054
 IF ORIGINAL SIGNATURE OR DIGITAL AUTHENTICATION IS NOT PRESENT, CONSIDERED A CERTIFIED DOCUMENT.


 Project CP219078
 MIZZOU NORTH DEMOLITION
 115 W BUSINESS LOOP 70
 COLUMBIA, MO
 University of Missouri
 For The Curators of the University of Missouri

Drawn: CGH	Project Number: 202214
Checked: BAR	CAD File Name (Number):

Drawing Title:
OVERALL SCOPE & KEY PLAN

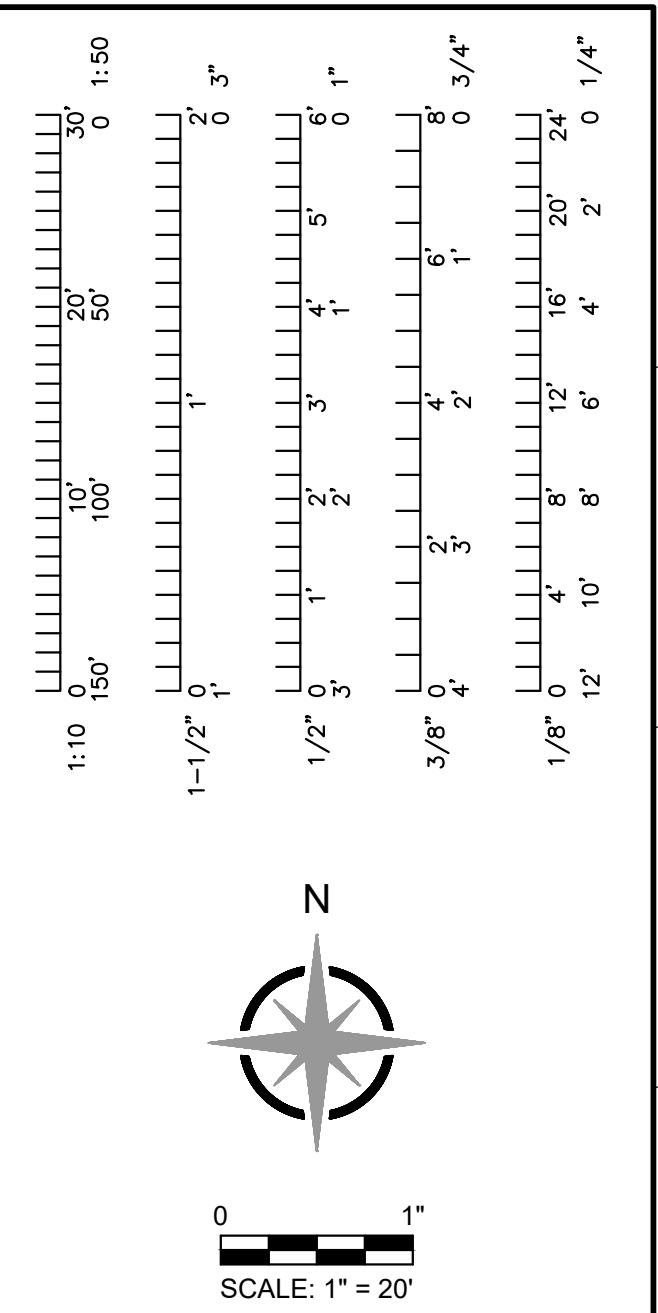
No.	Revisions:	Date:

Submission Date: 09/13/2022	Drawing Number: C3.01
Plot Date: 08/30/2022	

P:\GENERAL PROJECTS\15655-PWA-MIZZOU-NORTH-DEMO-PLAN\CA01\15655_DEMO.DWG 8/20/2022



NOTE: PHASE 1 SHALL BE DEMOLITION MUST BE COMPLETE BEFORE STARTING PHASE 2. MAINTAIN ACCESS TO AP GREEN BUILDING AT ALL TIMES.



MEP:
Ross & Baruzzini

CIVIL:
ES&S
Engineering Surveys & Services
DELIVERING YOUR VISION™
1113 Fay Street, Columbia, MO 65201
673-449-2646
www.esinc.com
MO Engineering Corp. # 2004085018
ES&S JOB NO. 15655

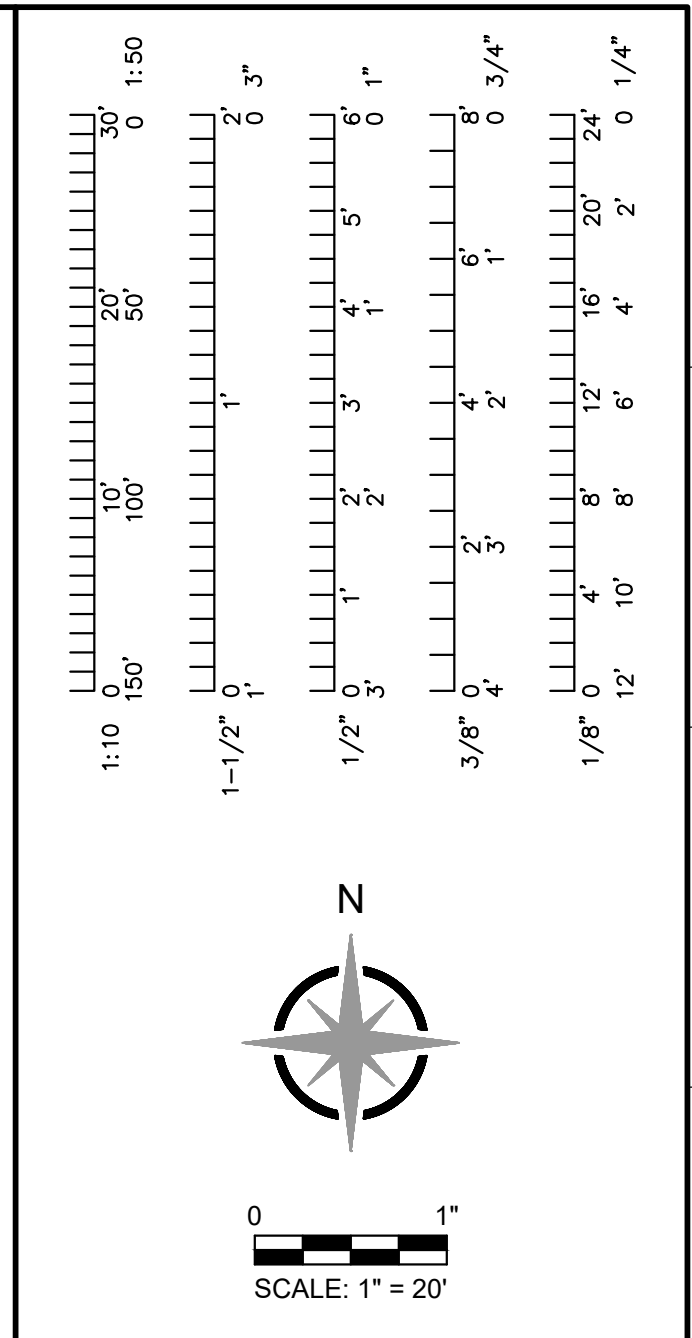
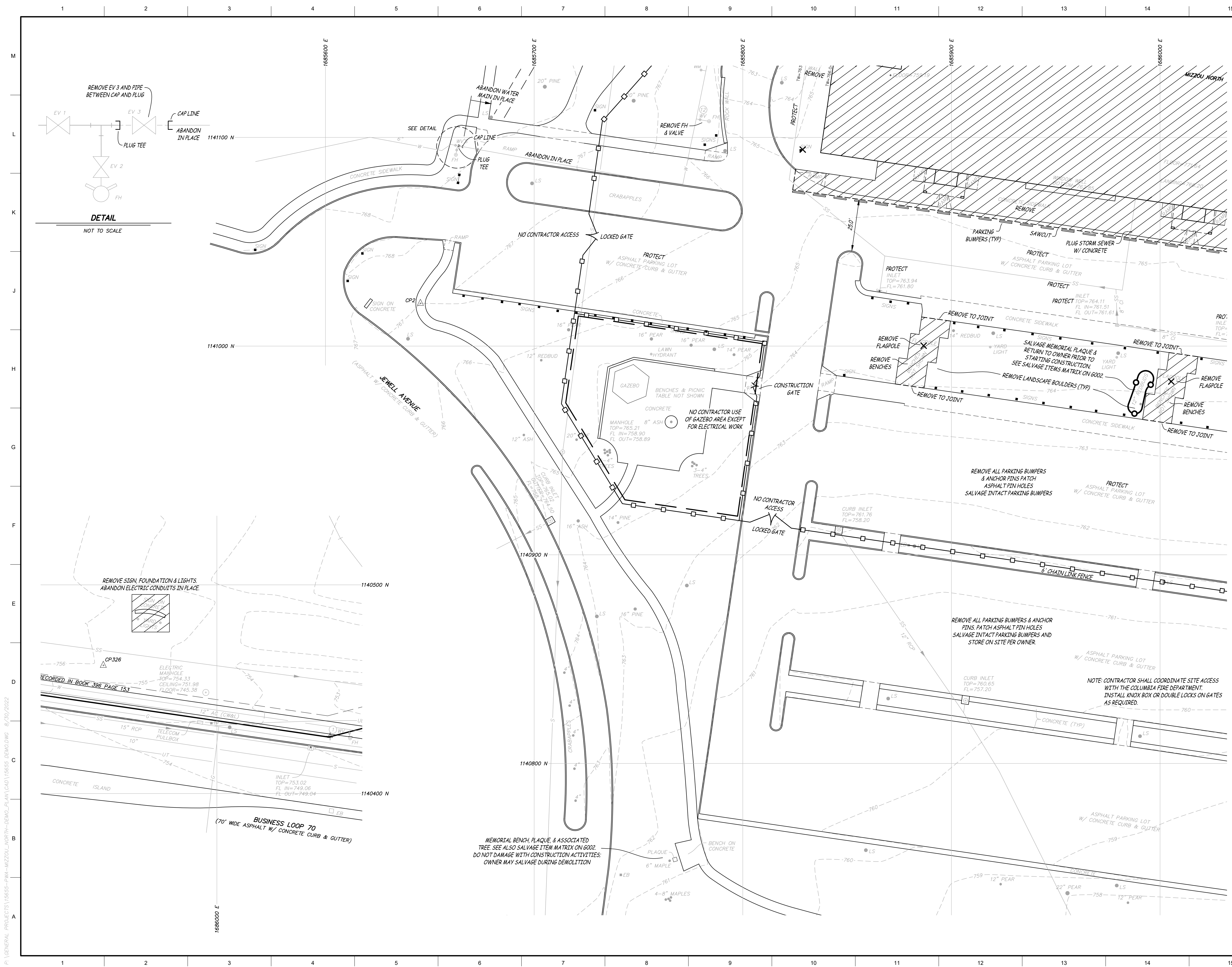
ARCHITECT:
PWArchitects, Inc.
Peckham & Wright Architects, Inc., d.b.a.
2120 Forum Blvd., Ste. 101
Columbia, Missouri 65203
PWArchitects.com | 573.449.2683
Peckham & Wright Architects an Architectural Corporation
Missouri State Certificate of Authority No. 000244

9/13/2022
STATE OF MISSOURI
BENJAMIN A. ROSS
NUMBER E-30054
REGISTERED PROFESSIONAL ENGINEER
Benjamin A. Ross
BENJAMIN A. ROSS REGISTERED PROFESSIONAL ENGINEER E-30054
IF ORIGINAL SIGNATURE OR DIGITAL AUTHENTICATION IS NOT PRESENT, CONSIDERED A CERTIFIED DOCUMENT

MU
Project CP219078
MIZZOU NORTH DEMOLITION
115 W BUSINESS LOOP 70
COLUMBIA, MO
University of Missouri
For The Curators of the University of Missouri

Drawn:	Project Number:	
CGH	202214	
Checked:	CAD File Name (Number):	
BAR		
Drawing Title:		
PHASE 1 DEMOLITION PLAN		
No.	Revisions:	Date:
Submission Date:	Drawing Number:	
09/13/2022	C4.01	
Plot Date:		
08/30/2022		

P:\GENERAL PROJECTS\15655-PWA-MIZZOU-NORTH-DEMO-PLAN\CAD\15655 DEMO.DWG 8/20/2022



MEP:

Ross & Baruzzini

CIVIL:

Engineering Surveys & Services
DELIVERING YOUR VISION™

1113 Fay Street, Columbia, MO 65201
673-449-2646
www.essinc.com
MO Engineering Corp. # 2004085018
ESS'S JOB NO. 15633

ARCHITECT:

Peckham & Wright Architects, Inc., d.b.a.
PWArchitects, Inc.
2120 Forum Blvd., Ste. 101
Columbia, Missouri 65203
PWArchitects.com | 573.449.2683

Peckham & Wright Architects an Architectural Corporation
Missouri State Certificate of Authority No. 000244

9/13/2022

BENJAMIN A. ROSS
NUMBER E-30054

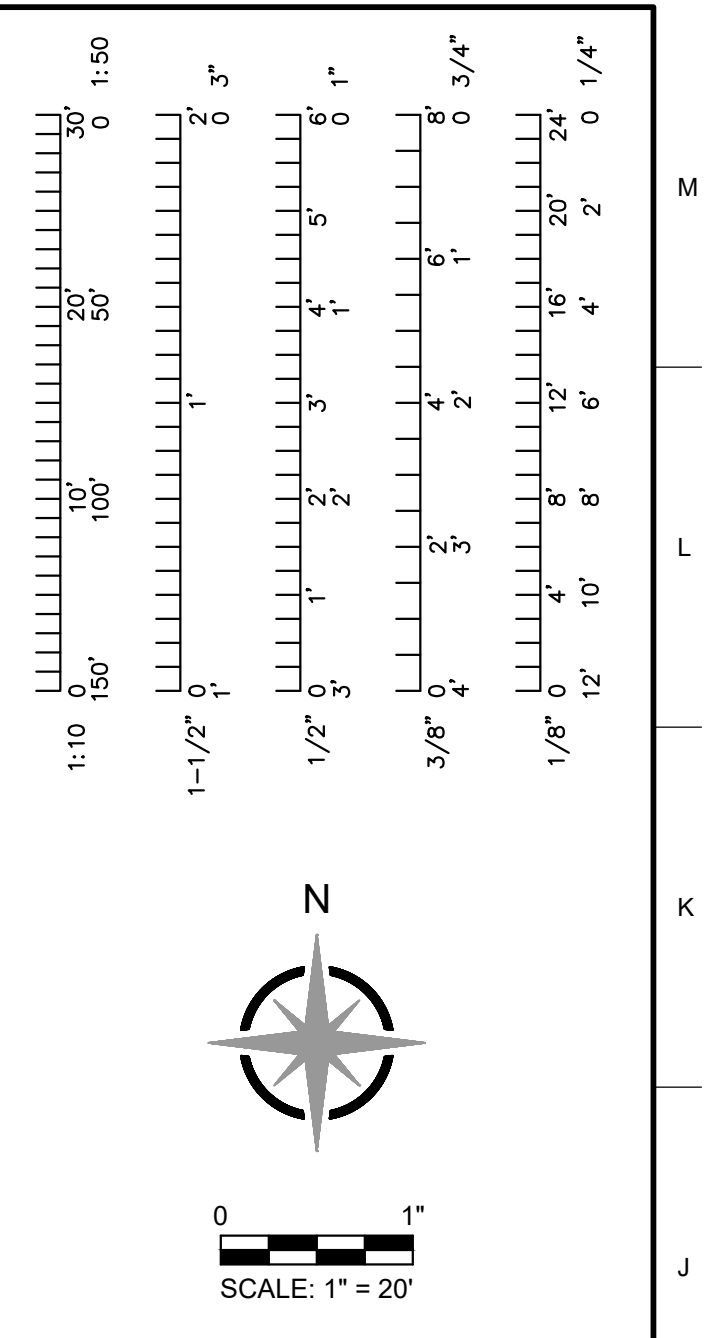
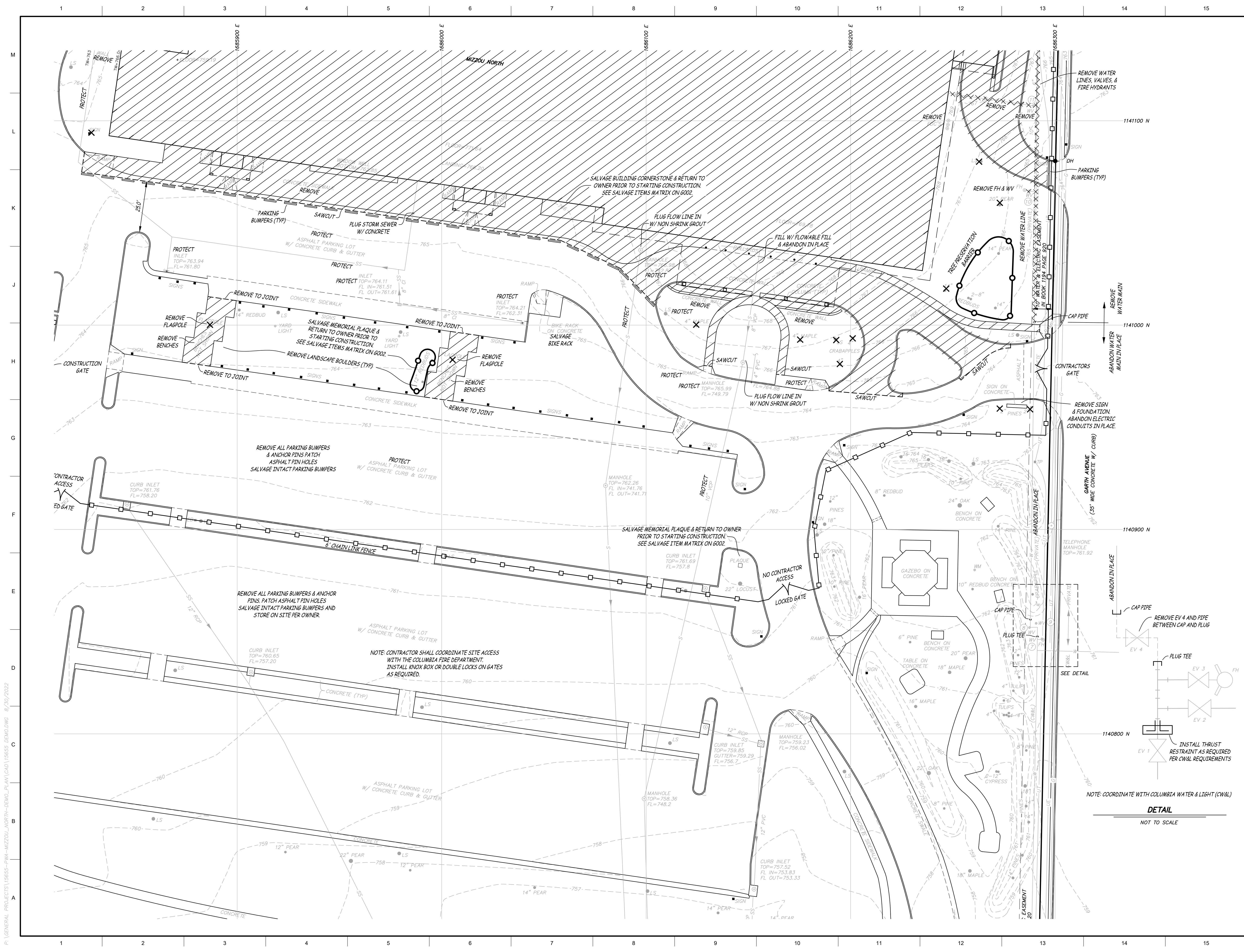
Benjamin A. Ross
BENJAMIN A. ROSS REGISTERED PROFESSIONAL ENGINEER E-30054

IF ORIGINAL SIGNATURE OR DIGITAL AUTHENTICATION IS NOT PRESENT, CONSIDERED UNRELIABLE DOCUMENT.

Project CP219078
MIZOU NORTH DEMOLITION
115 W BUSINESS LOOP 70
COLUMBIA, MO
University of Missouri
For: The Curators of the University of Missouri

Drawn:	CGH	Project Number:	202214
Checked:	BAR	CAD File Name (Number):	
Drawing Title:	PHASE 2 DEMOLITION PLAN		
No.	Revisions:	Date:	
Submission Date:	09/13/2022	Drawing Number:	C4.02
Plot Date:	08/30/2022		

P:\GENERAL PROJECTS\15633-PWA-MIZOU-NORTH-DEMO-PLAN\CAD\15633-DEMOWG 8/20/2022



MEP:

Ross & Baruzzini

CIVIL:

ES&S
Engineering Surveys & Services
DELIVERING YOUR VISION™
1113 Fay Street, Columbia, MO 65201
673-449-2646
www.esinc.com
MO Engineering Corp. # 2004095018
ES&S JOB NO. 13633

ARCHITECT:

PWArchitects, Inc.
2120 Forum Blvd., Ste. 101
Columbia, Missouri 65203
PWArchitects.com | 573.449.2683
Peckham & Wright Architects an Architectural Corporation
Missouri State Certificate of Authority No. 000244

9/13/2022

BENJAMIN A. ROSS
NUMBER E-30054
Professional Engineer
BENJAMIN A. ROSS REGISTERED PROFESSIONAL ENGINEER E-30054



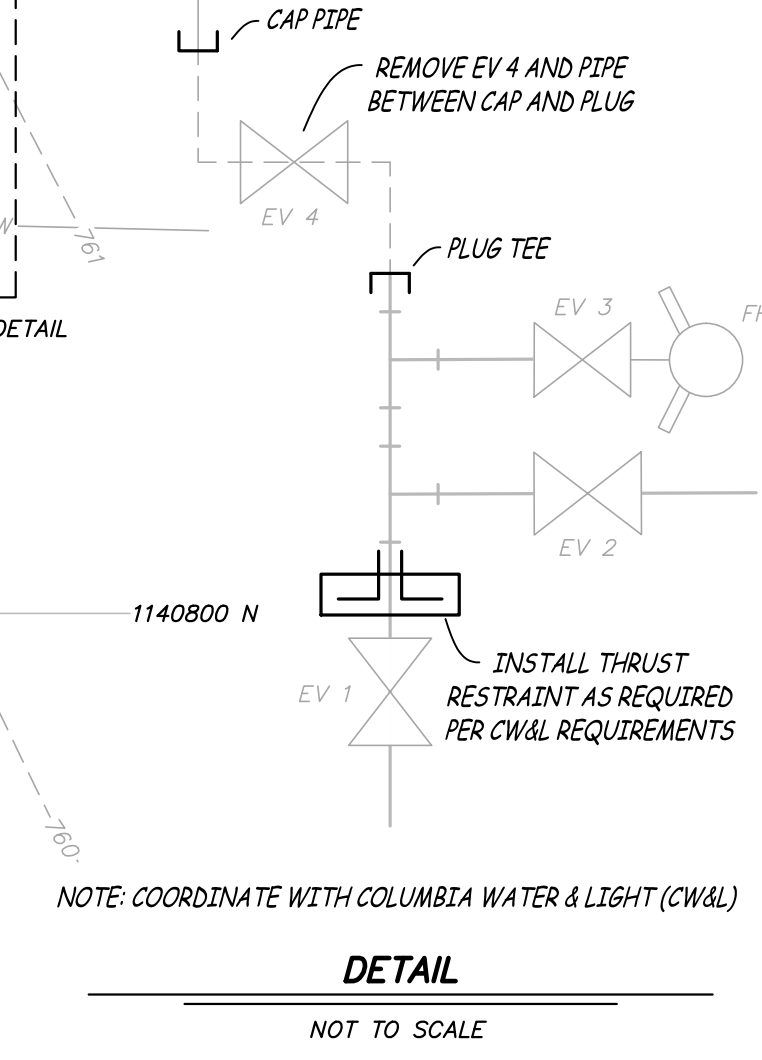
Project CP219078
MIZZOU NORTH DEMOLITION
115 W BUSINESS LOOP 70
COLUMBIA, MO
University of Missouri
For: The Curators of the University of Missouri

Drawn:	Project Number:
CGH	202214
Checked:	CAD File Name (Number):
BAR	

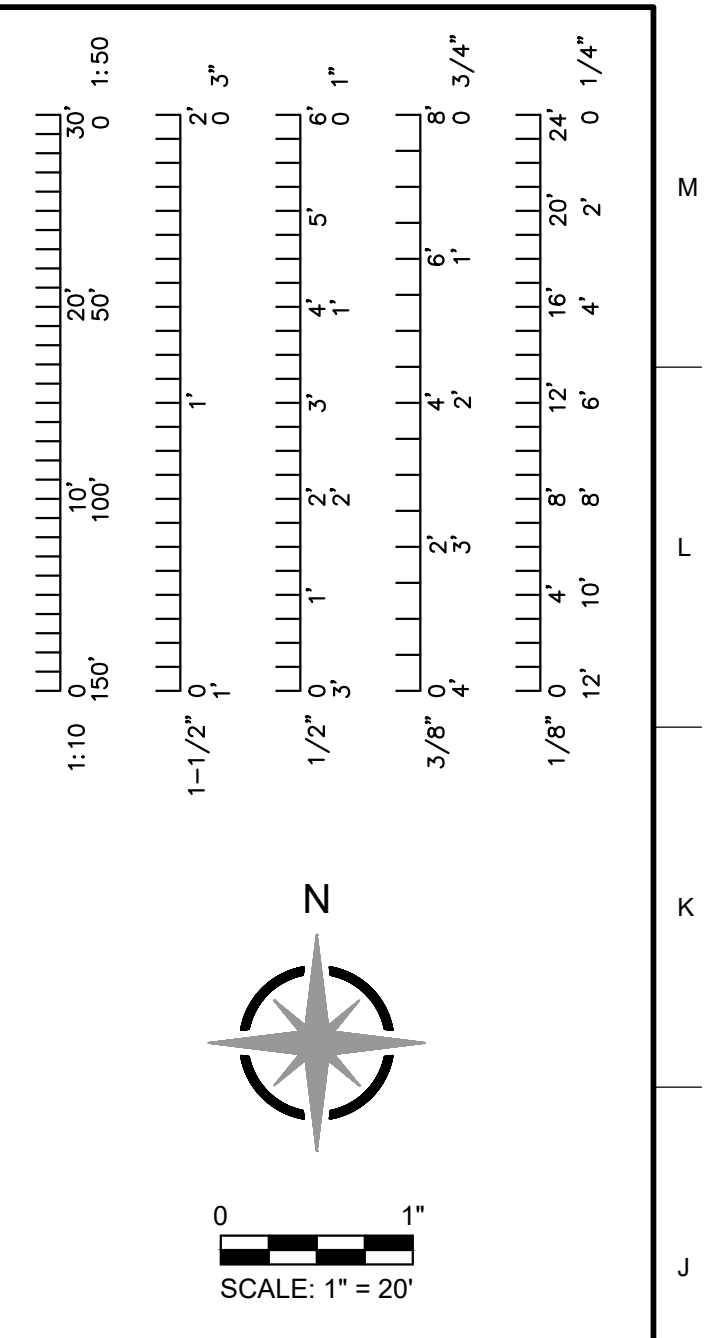
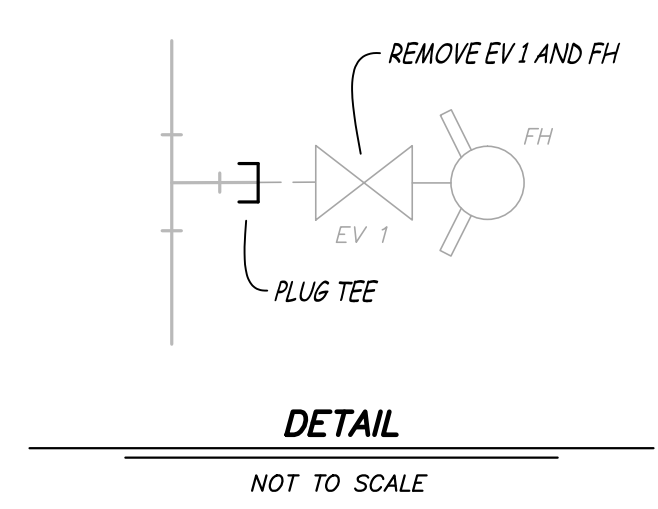
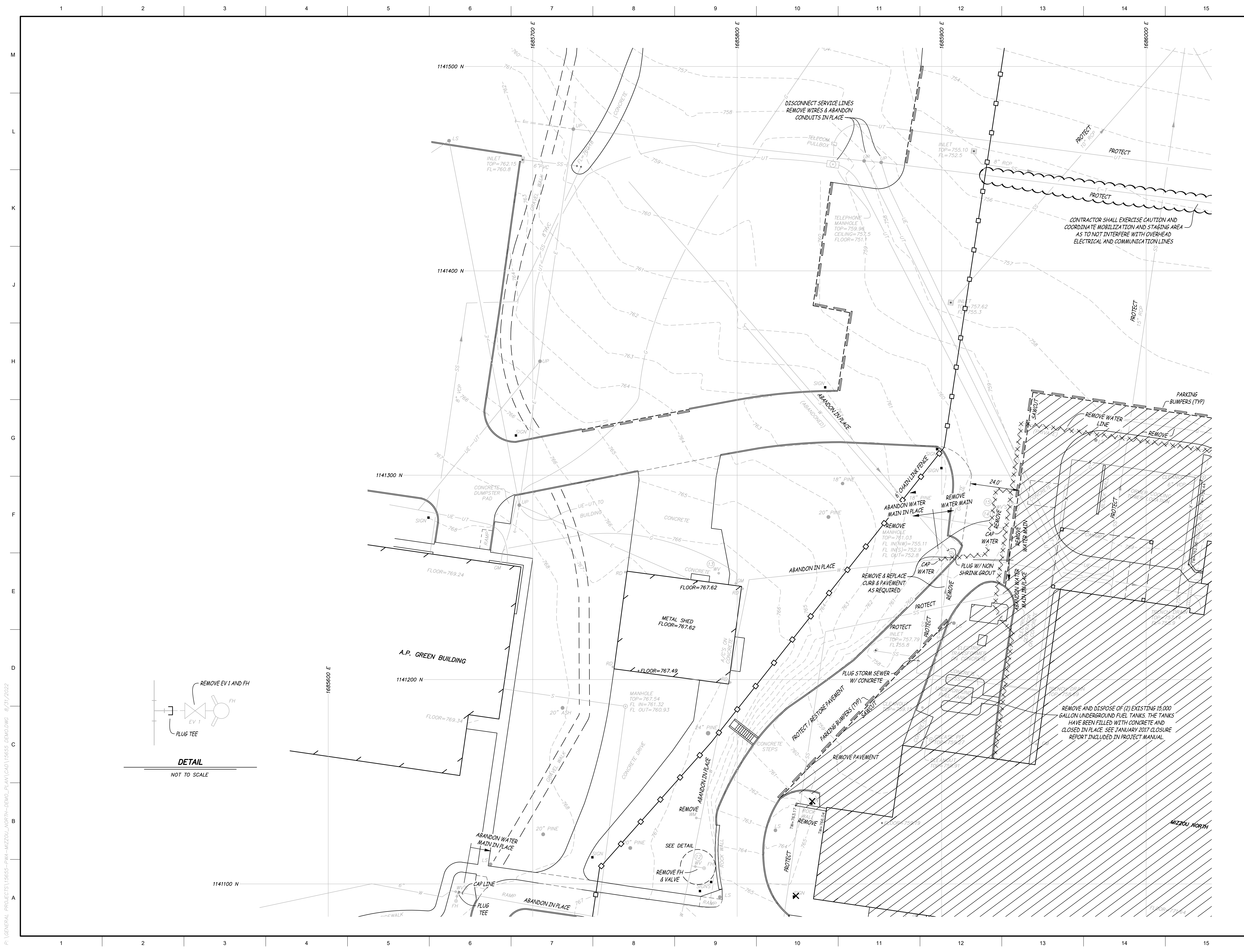
Drawing Title:
PHASE 2 DEMOLITION PLAN

No.	Revisions:	Date:

Submission Date:	Drawing Number:
09/13/2022	C4.03
Plot Date:	
08/30/2022	



P:\GENERAL PROJECTS\15655-PWA-MIZZOU-NORTH-DEMO-PLAN\CAD\15655-DEMOMG 8/30/2022



MEP:

Ross & Baruzzini

CIVIL:

ES&S
Engineering Surveys & Services
DELIVERING YOUR VISION™
1113 Fay Street, Columbia, MO 65201
673-449-2646
www.esinc.com
MO Engineering Corp. # 2004080518
ES&S 208 No. 13633

ARCHITECT:

PWArchitects, Inc.
2120 Forum Blvd., Ste. 101
Columbia, Missouri 65203
PWArchitects.com | 573.449.2683
Peckham & Wright Architects an Architectural Corporation
Missouri State Certificate of Authority No. 000244

9/13/2022

BENJAMIN A. ROSS
NUMBER E-30054
Professional Engineer

BENJAMIN A. ROSS REGISTERED PROFESSIONAL ENGINEER E-30054

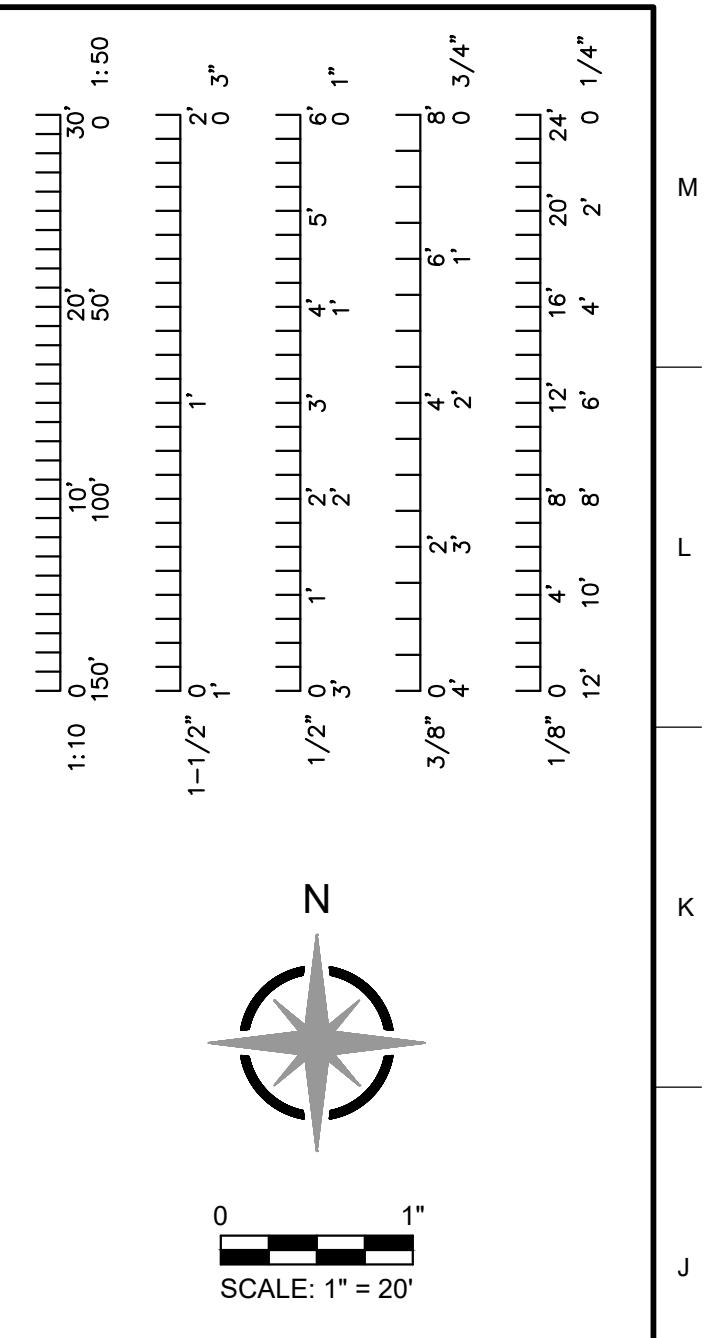
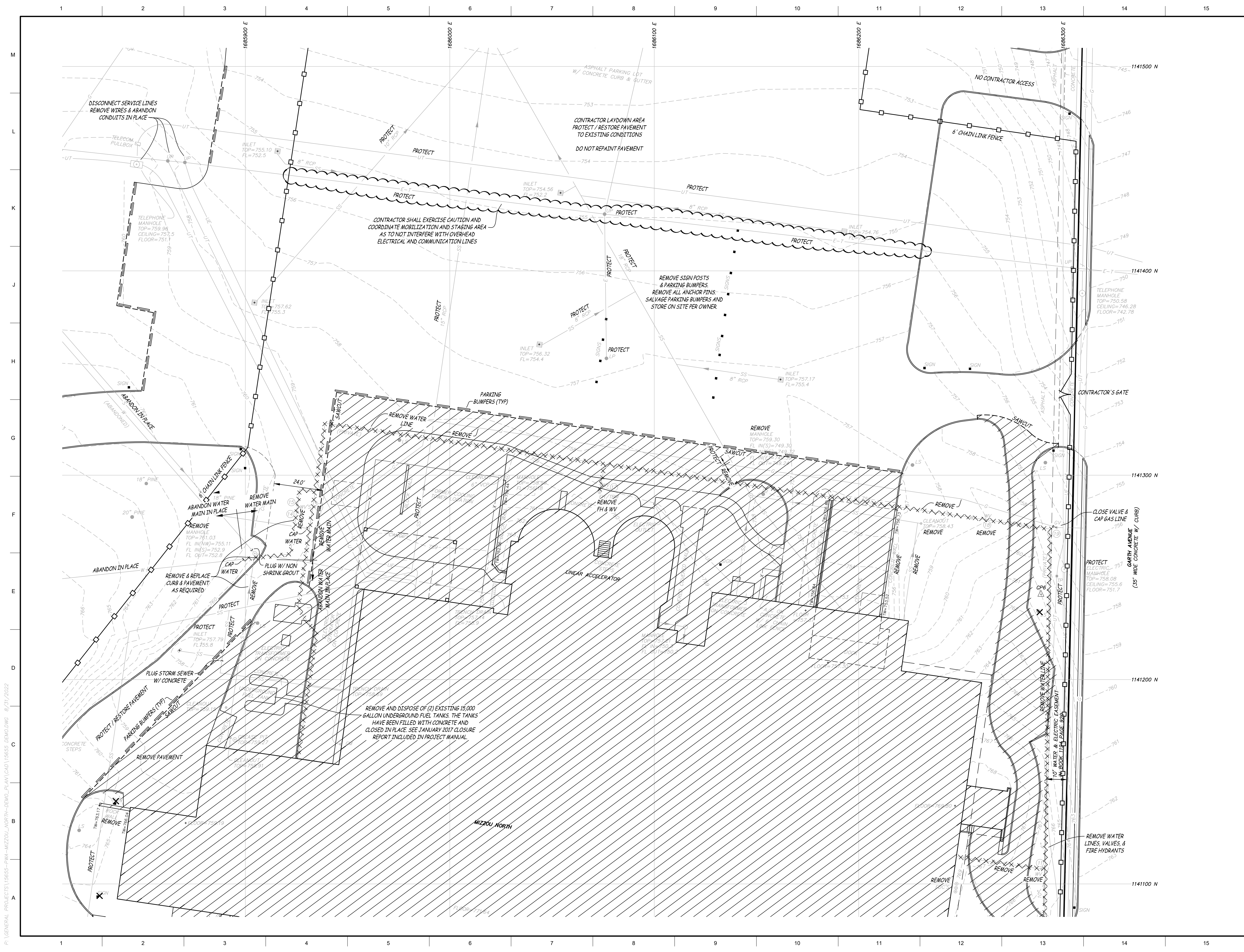
IF ORIGINAL SIGNATURE OR DIGITAL AUTHENTICATION IS NOT PRESENT CONSIDERED UNAUTHORIZED DOCUMENT

M

Project CP219078
MIZZOU NORTH DEMOLITION
115 W BUSINESS LOOP 70
COLUMBIA, MO
University of Missouri
For The Curators of the University of Missouri

Drawn:	CGH	Project Number:	202214
Checked:	BAR	CAD File Name (Number):	
Drawing Title:	PHASE 2 DEMOLITION PLAN		
No.	Revisions:	Date:	
Submission Date:	09/13/2022	Drawing Number:	C4.04
Plot Date:	08/30/2022		

P:\GENERAL PROJECTS\15655-PWA-MIZZOU-NORTH-DEMO-PLAN\CAD\15655-DEMOLING_8/31/2022



MEP:

Ross & Baruzzini

CIVIL:

ES&S
Engineering Surveys & Services
DELIVERING YOUR VISION™
1113 Fay Street, Columbia, MO 65201
673-449-2846
www.esinc.com
MO Engineering Corp. # 2004095018
ES&S JOB NO. 13633

ARCHITECT:

PWArchitects, Inc.
2120 Forum Blvd., Ste. 101
Columbia, Missouri 65203
PWArchitects.com | 573.449.2683
Peckham & Wright Architects an Architectural Corporation
Missouri State Certificate of Authority No. 000244

9/13/2022

STATE OF MISSOURI
BENJAMIN A. ROSS
NUMBER E-30054
Professional Engineer
Benjamin A. Ross REGISTERED PROFESSIONAL ENGINEER E-30054

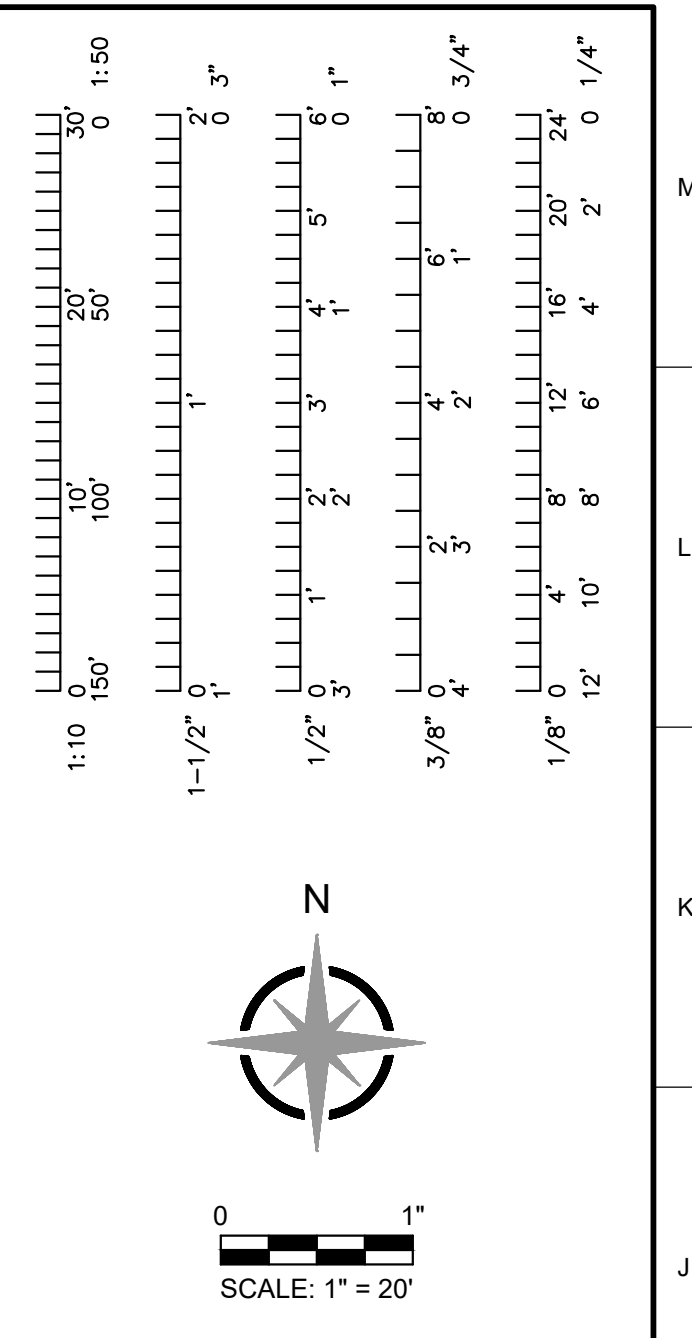
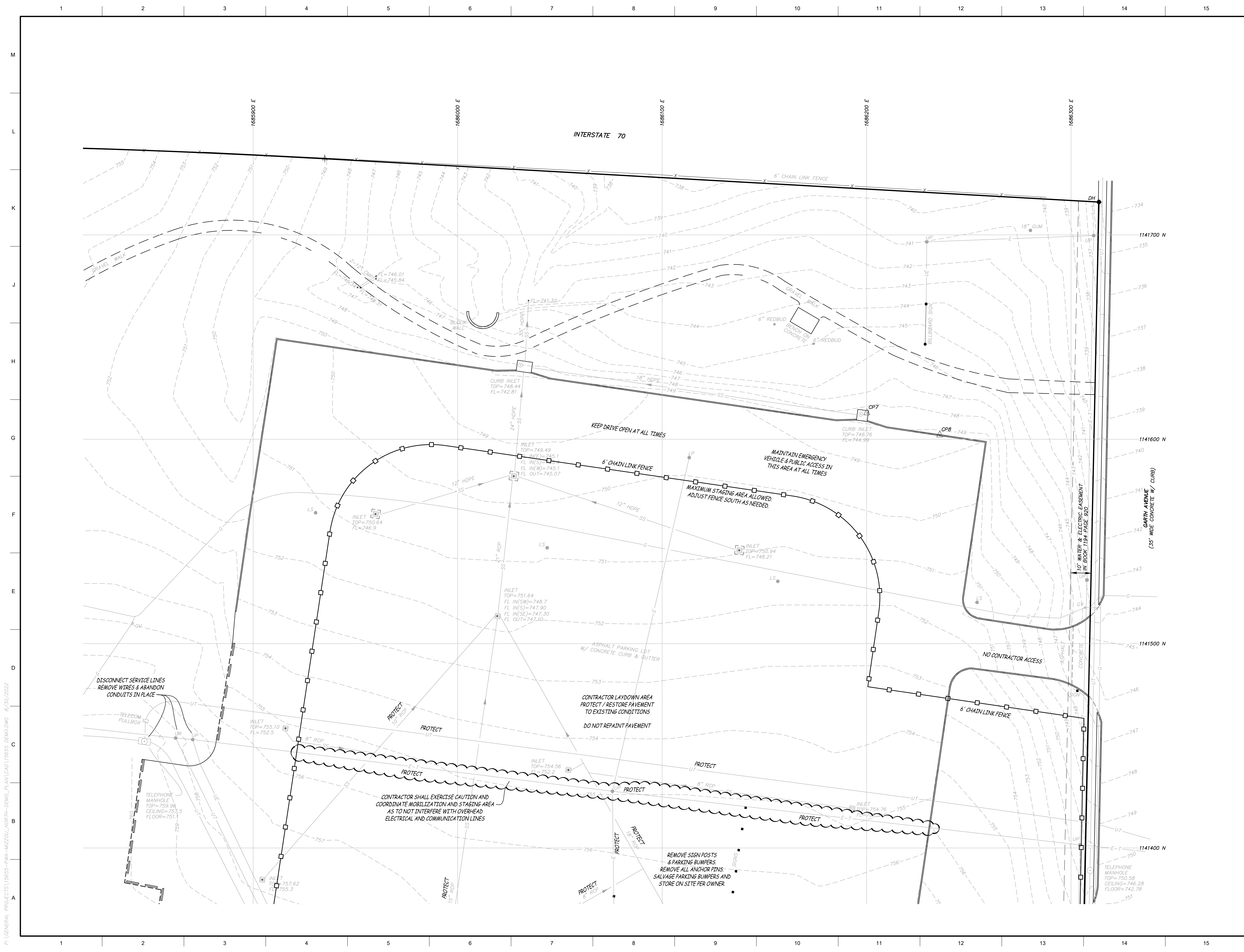
IF ORIGINAL SIGNATURE OR DIGITAL AUTHENTICATION IS NOT PRESENT, CONSIDERED A CERTIFIED DOCUMENT.

M

Project CP219078
MIZZOU NORTH DEMOLITION
115 W BUSINESS LOOP 70
COLUMBIA, MO
University of Missouri
For: The Curators of the University of Missouri

Drawn:	CGH	Project Number:	202214
Checked:	BAR	CAD File Name (Number):	
Drawing Title:	PHASE 2 DEMOLITION PLAN		
No.	Revisions:	Date:	
Submission Date:	09/13/2022	Drawing Number:	C4.05
Plot Date:	08/30/2022		

P:\GENERAL PROJECTS\15655-PWA-MIZZOU-NORTH-DEMO-PLAN\CAD\15655-DEMOL.DWG 8/31/2022



MEP:

Ross & Baruzzini

CIVIL:

ES&S
Engineering Surveys & Services
DELIVERING YOUR VISION™
1113 Fay Street, Columbia, MO 65201
673-449-2646
www.esinc.com
MO Engineering Corp. # 2004095018
ES&S 208 No. 13633

ARCHITECT:

PWArchitects, Inc.
Peckham & Wright Architects, Inc., d.b.a.
2120 Forum Blvd., Ste. 101
Columbia, Missouri 65203
PWArchitects.com | 573.449.2683
Peckham & Wright Architects an Architectural Corporation
Missouri State Certificate of Authority No. 000244

9/13/2022

STATE OF MISSOURI
BENJAMIN A. ROSS
NUMBER E-30054
Professional Engineer
Benjamin A. Ross
BENJAMIN A. ROSS REGISTERED PROFESSIONAL ENGINEER E-30054

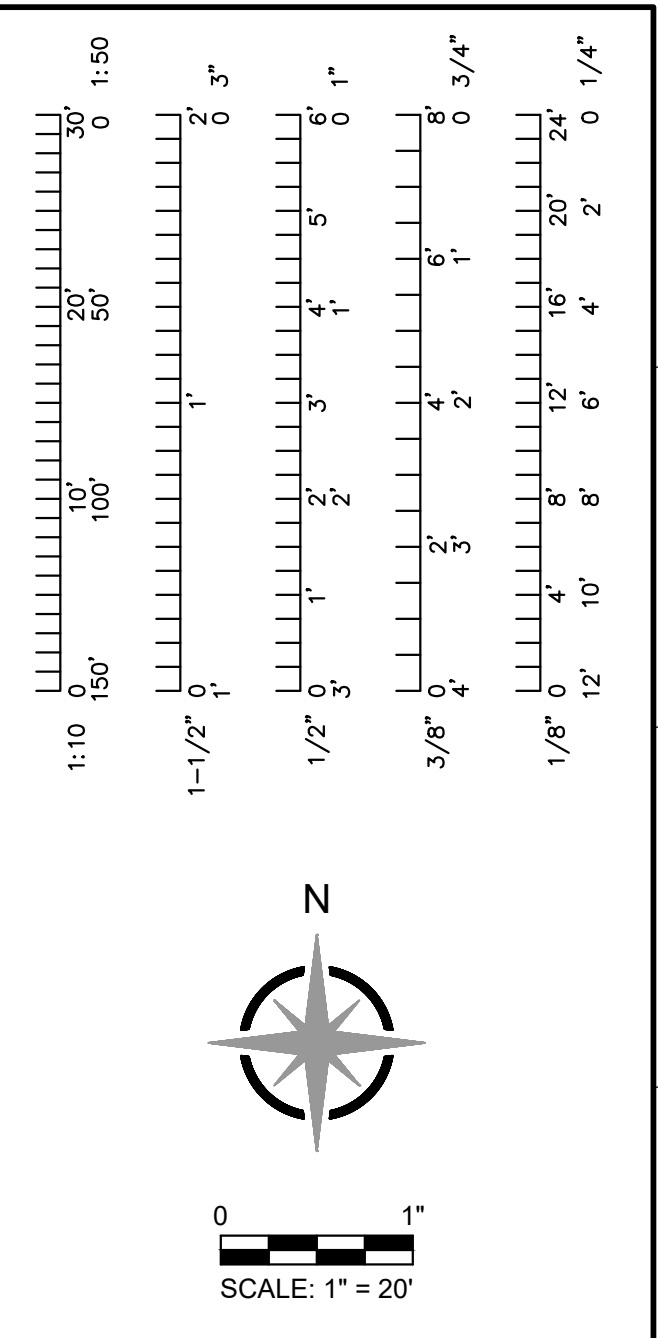
IF ORIGINAL SIGNATURE OR DIGITAL AUTHENTICATION IS NOT PRESENT, CONSIDERED A CERTIFIED DOCUMENT.

MU

Project CP219078
MIZZOUL NORTH DEMOLITION
115 W BUSINESS LOOP 70
COLUMBIA, MO
University of Missouri
For The Curators of the University of Missouri

Drawn:	Project Number:	
CGH	202214	
Checked:	CAD File Name (Number):	
BAR		
Drawing Title:		
PHASE 2 DEMOLITION PLAN		
No.	Revisions:	Date:
Submission Date:		Drawing Number:
09/13/2022		C4.06
Plot Date:		
08/30/2022		

P:\GENERAL PROJECTS\15655-PWA-MZZOU-NORTH-DEMO-PLAN\CAD\15655_DEMO.DWG 8/20/2022



MEP:
Ross & Baruzzini

CIVIL:

Engineering Surveys & Services
 DELIVERING YOUR VISION™
 1113 Fay Street, Columbia, MO 65201
 673-449-2646
 www.esinc.com
 MO Engineering Corp. # 2004095018
 ES&S 208 NO. 13633

ARCHITECT:

PWArchitects, Inc.
 2120 Forum Blvd., Ste. 101
 Columbia, Missouri 65203
 PWArchitects.com | 573.449.2683
 Peckham & Wright Architects an Architectural Corporation
 Missouri State Certificate of Authority No. 000244

9/13/2022

BENJAMIN A. ROSS
 NUMBER E-30054
Benjamin A. Ross
 BENJAMIN A. ROSS REGISTERED PROFESSIONAL ENGINEER E-30054

Project CP219078
MIZZOUL NORTH DEMOLITION
 115 W BUSINESS LOOP 70
 COLUMBIA, MO
 University of Missouri
 For The Curators of the University of Missouri

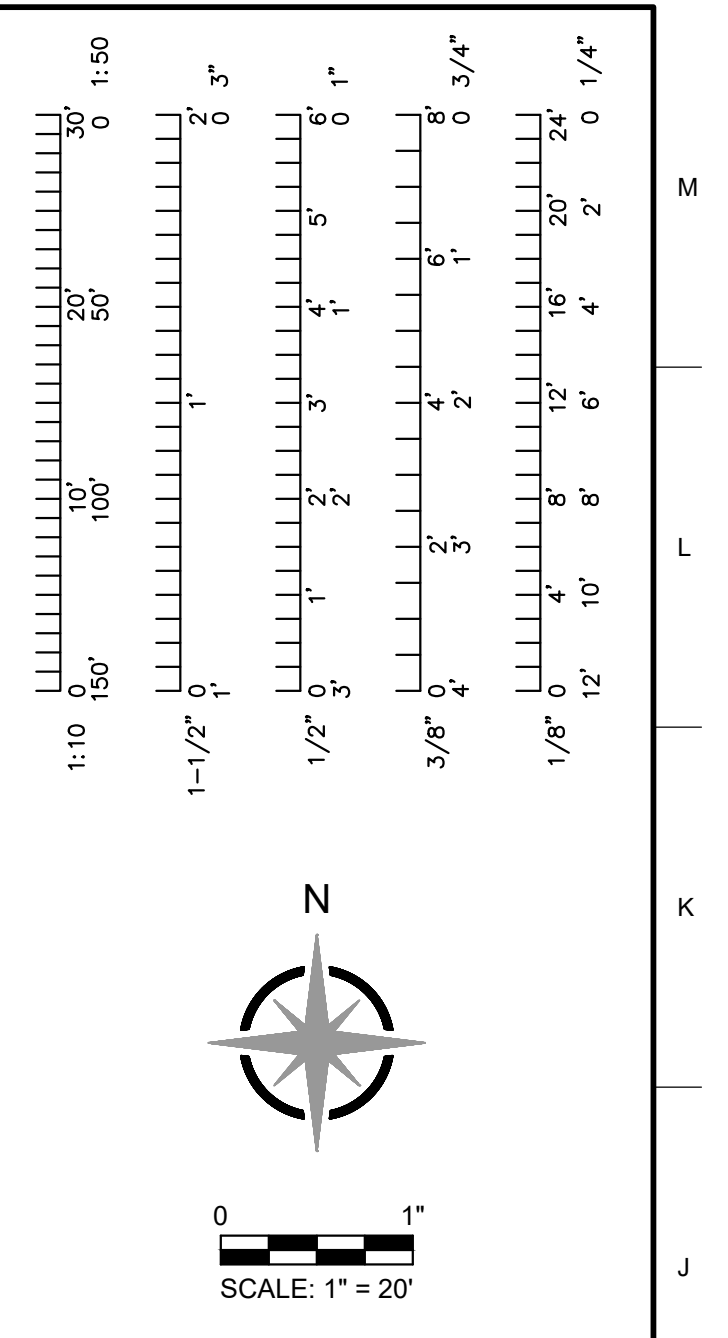
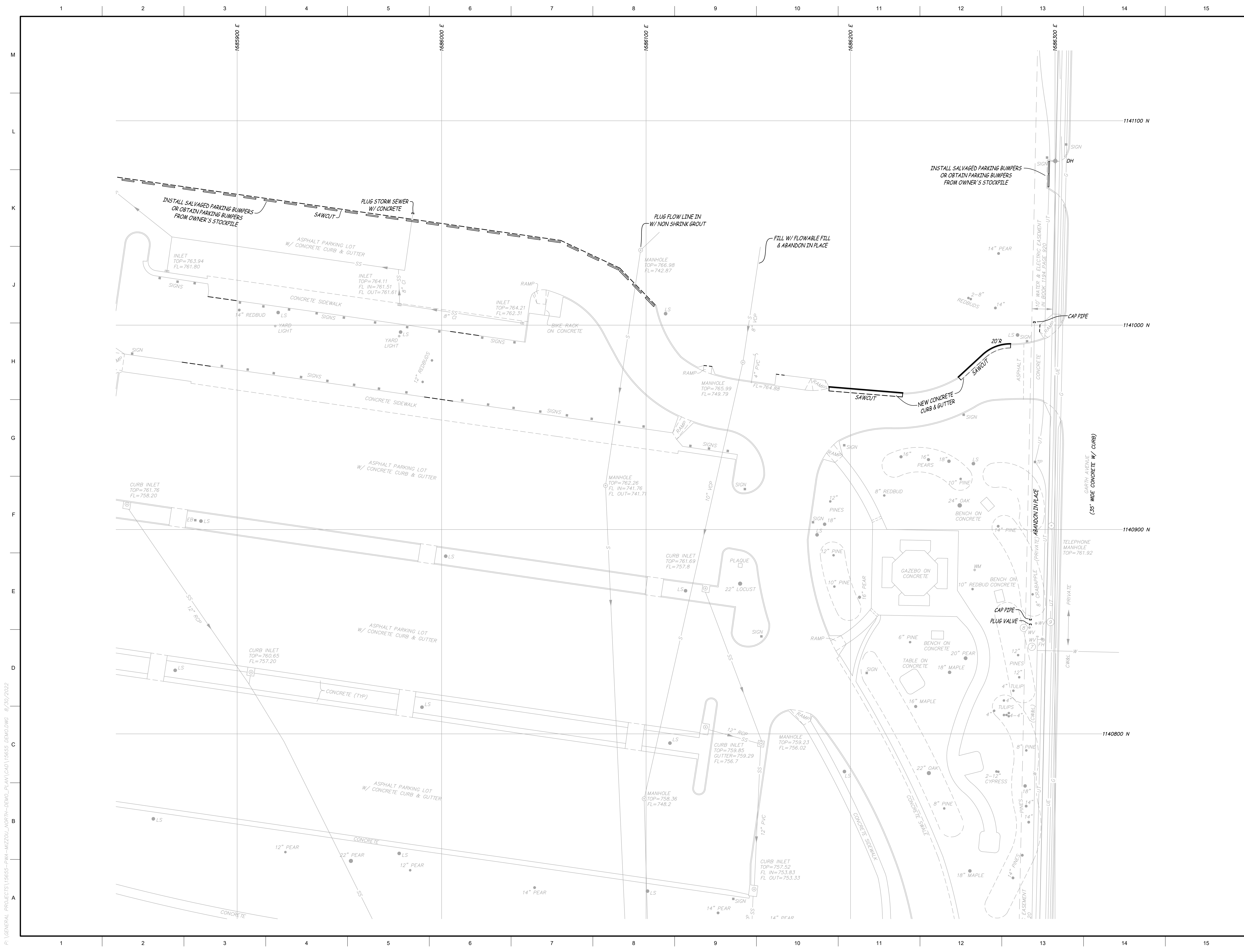
Drawn:	Project Number:
CGH	202214
Checked:	CAD File Name (Number):
BAR	

Drawing Title:
FINAL SITE PLAN AFTER DEMOLITION

No.	Revisions:	Date:

Submission Date:	Drawing Number:
09/13/2022	C5.01
Plot Date:	
08/30/2022	

P:\GENERAL PROJECTS\15655-PWA-MIZZOUL-NORTH-DEMO-PLAN\CAID\15655 DEMO.DWG 8/20/2022



MEP:

Ross & Baruzzini

CIVIL:

ES&S
Engineering Surveys & Services
DELIVERING YOUR VISION™
1113 Fay Street, Columbia, MO 65201
673-449-2646
www.esinc.com
MO Engineering Corp. # 2004080518
ES&S 208 No. 13633

ARCHITECT:

PWArchitects, Inc.
Peckham & Wright Architects, Inc., d.b.a.
2120 Forum Blvd., Ste. 101
Columbia, Missouri 65203
PWArchitects.com | 573.449.2683
Peckham & Wright Architects an Architectural Corporation
Missouri State Certificate of Authority No. 000244

9/13/2022

STATE OF MISSOURI

BENJAMIN A. ROSS
NUMBER E-30054
Professional Engineer

Benjamin A. Ross

BENJAMIN A. ROSS REGISTERED PROFESSIONAL ENGINEER E-30054

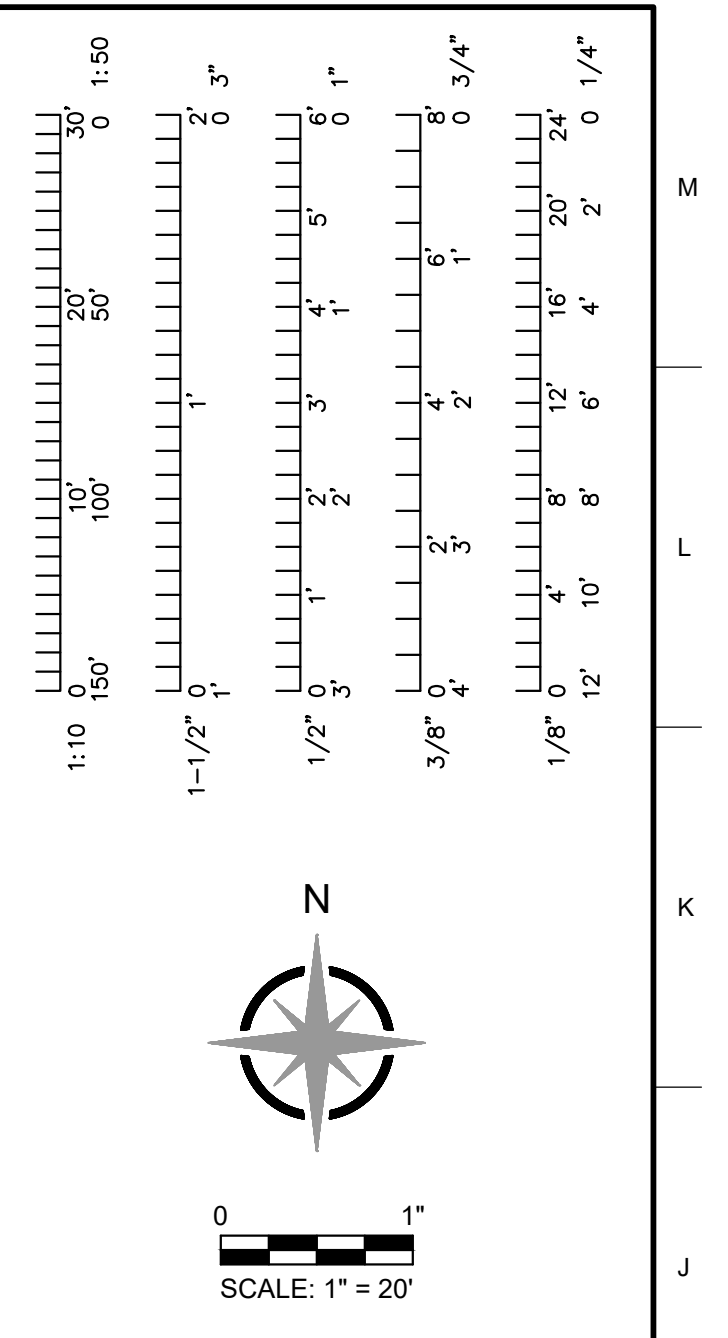
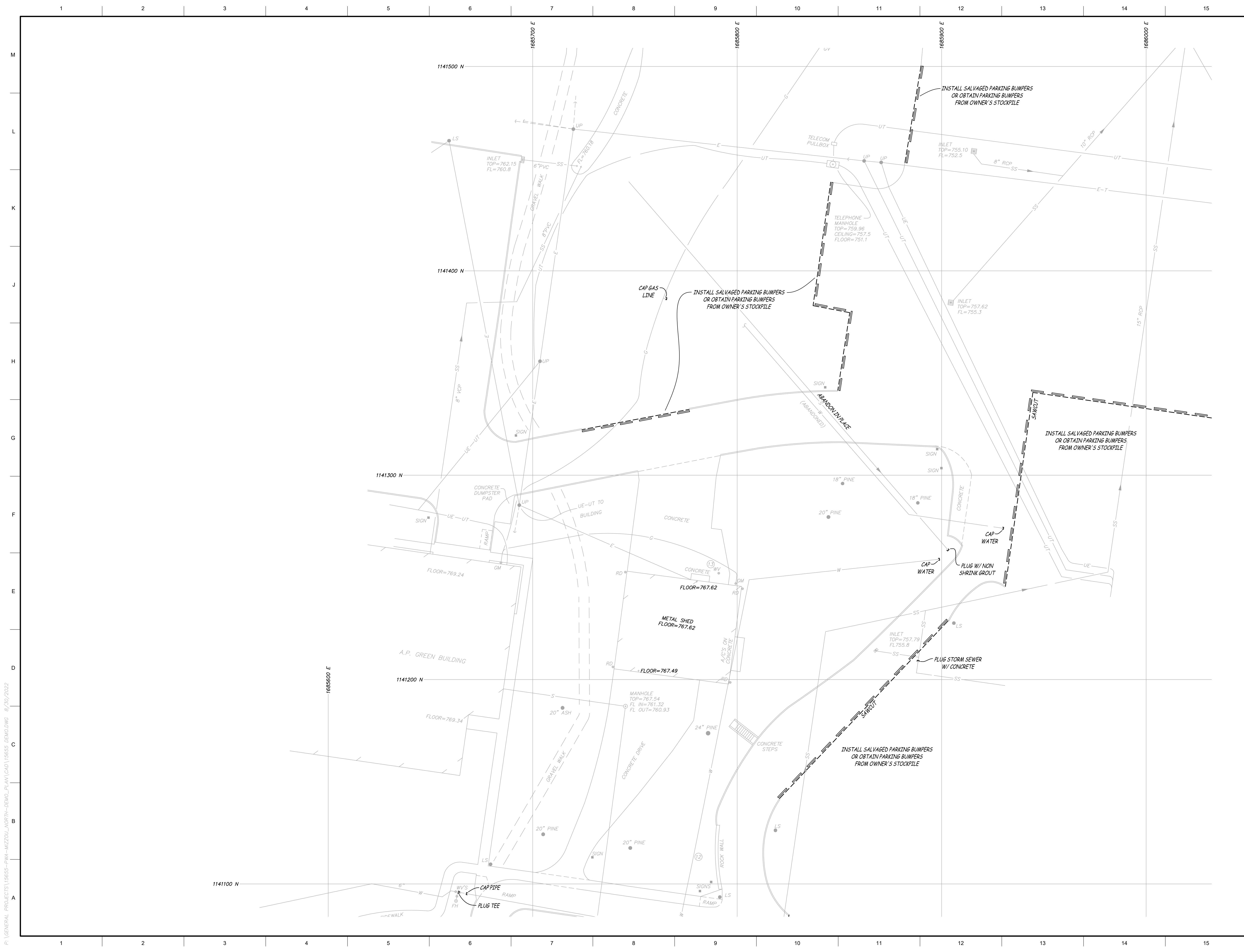
IF ORIGINAL SIGNATURE OR DIGITAL AUTHENTICATION IS NOT PRESENT CONSIDERED A CERTIFIED DOCUMENT

MU

Project CP219078
MIZZOU NORTH DEMOLITION
115 W BUSINESS LOOP 70
COLUMBIA, MO
University of Missouri
For The Curators of the University of Missouri

Drawn:	Project Number:	
CGH	202214	
Checked:	CAD File Name (Number):	
BAR		
Drawing Title:		
FINAL SITE PLAN AFTER DEMOLITION		
No.	Revisions:	Date:
Submission Date:	Drawing Number:	
09/13/2022	C5.02	
Plot Date:		
08/30/2022		

P:\GENERAL PROJECTS\15655-PWA-MIZZOU-NORTH-DEMO-PLAN\CAID-15655-DEMO.DWG 8/30/2022



MEP:
Ross & Baruzzini

CIVIL:


Engineering Surveys & Services
 DELIVERING YOUR VISION™
 1113 Fay Street, Columbia, MO 65201
 673-449-2646
 www.esinc.com
 MO Engineering Corp. # 2004095018
 ES&S JOB NO. 13633

ARCHITECT:

 Peckham & Wright Architects, Inc., d.b.a.
PWArchitects, Inc.
 2120 Forum Blvd., Ste. 101
 Columbia, Missouri 65203
 PWArchitects.com | 573.449.2683
 Peckham & Wright Architects an Architectural Corporation
 Missouri State Certificate of Authority No. 000244

9/13/2022

 BENJAMIN A. ROSS
 NUMBER E-30054
 BENJAMIN A. ROSS REGISTERED PROFESSIONAL ENGINEER E-30054
 IF ORIGINAL SIGNATURE OR DIGITAL AUTHENTICATION IS NOT PRESENT, CONSIDERED A CERTIFIED DOCUMENT.


 Project CP219078
MIZZOU NORTH DEMOLITION
 115 W BUSINESS LOOP 70
 COLUMBIA, MO
 University of Missouri
 For: The Curators of the University of Missouri

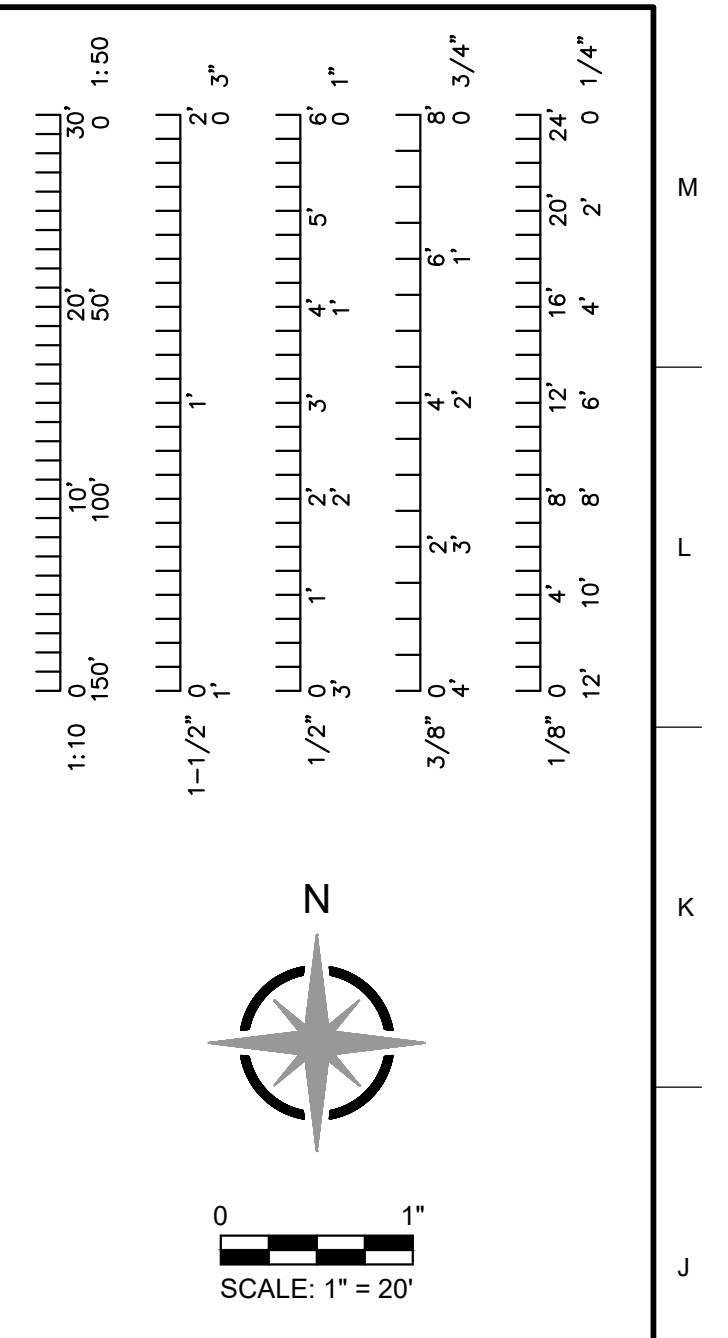
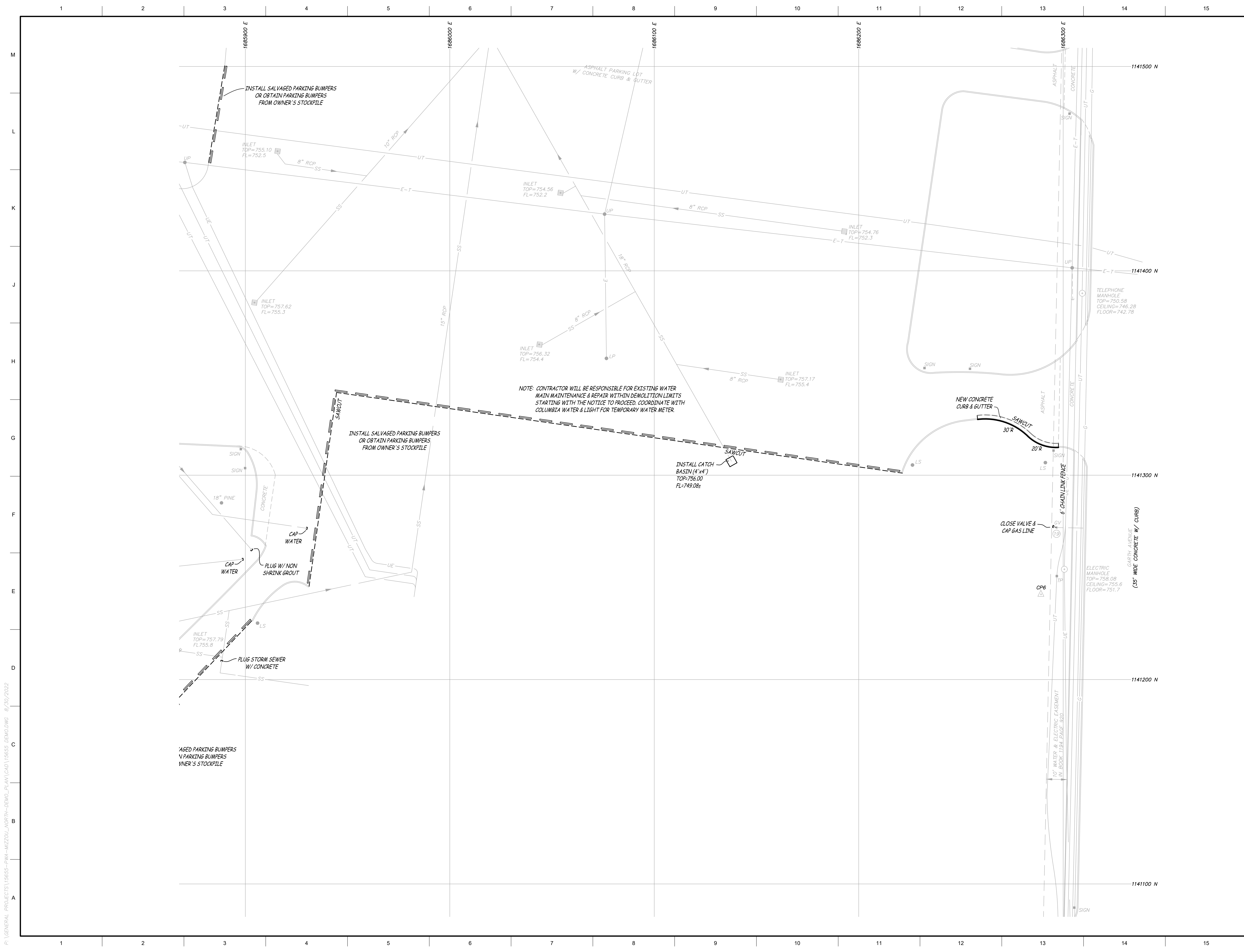
Drawn: CGH	Project Number: 202214
Checked: BAR	CAD File Name (Number):

Drawing Title:
FINAL SITE PLAN AFTER DEMOLITION

No.	Revisions:	Date:

Submission Date: 09/13/2022	Drawing Number: C5.03
Plot Date: 08/30/2022	

P:\GENERAL PROJECTS\15655-PWA-MIZZOU-NORTH-DEMO-PLAN\CAD\15655_DEMO.DWG 8/30/2022



MEP:
Ross & Baruzzini

CIVIL:
ES&S
Engineering Surveys & Services
DELIVERING YOUR VISION™
1113 Fay Street, Columbia, MO 65201
673-449-2646
www.esinc.com
MO Engineering Corp. # 20040805018
ES&S 208 No. 13633

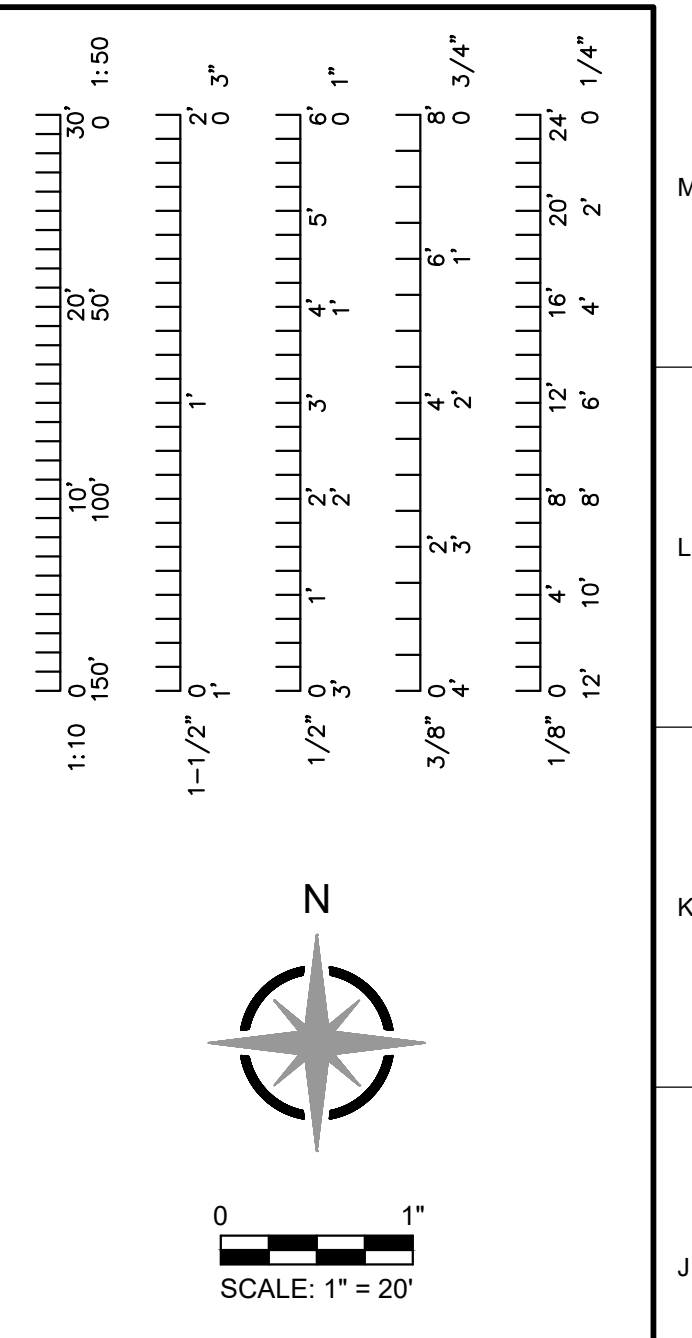
ARCHITECT:
PWArchitects, Inc.
Peckham & Wright Architects, Inc., d.b.a.
2120 Forum Blvd., Ste. 101
Columbia, Missouri 65203
PWArchitects.com | 573.449.2683
Peckham & Wright Architects an Architectural Corporation
Missouri State Certificate of Authority No. 000244

9/13/2022
STATE OF MISSOURI
BENJAMIN A. ROSS
NUMBER E-30054
Professional Engineer
Benjamin A. Ross
BENJAMIN A. ROSS REGISTERED PROFESSIONAL ENGINEER E-30054
IF ORIGINAL SIGNATURE OR DIGITAL AUTHENTICATION IS NOT PRESENT, CONSIDERED A REPRODUCED DOCUMENT.

MU
Project CP219078
MIZZOU NORTH DEMOLITION
115 W BUSINESS LOOP 70
COLUMBIA, MO
University of Missouri
For: The Curators of the University of Missouri

Drawn: CGH	Project Number: 202214	
Checked: BAR	CAD File Name (Number):	
Drawing Title: FINAL SITE PLAN AFTER DEMOLITION		
No.	Revisions:	Date:
Submission Date: 09/13/2022	Drawing Number: C5.04	
Plot Date: 08/30/2022		

P:\GENERAL PROJECTS\15655-PWA-MIZZOU-NORTH-DEMO-PLAN\CAD\15655_DEMO.DWG 8/30/2022



MEP:

Ross & Baruzzini

CIVIL:

ES&S
Engineering Surveys & Services
DELIVERING YOUR VISION™
1113 Fay Street, Columbia, MO 65201
673-449-2646
www.esinc.com
MO Engineering Corp. # 2004095018
ES&S JOB NO. 15633

ARCHITECT:

PWArchitects, Inc.
2120 Forum Blvd., Ste. 101
Columbia, Missouri 65203
PWArchitects.com | 573.449.2683
Peckham & Wright Architects an Architectural Corporation
Missouri State Certificate of Authority No. 000244

9/13/2022

STATE OF MISSOURI

BENJAMIN A. ROSS
NUMBER E-30054
PROFESSIONAL ENGINEER

Benjamin A. Ross

BENJAMIN A. ROSS REGISTERED PROFESSIONAL ENGINEER E-30054

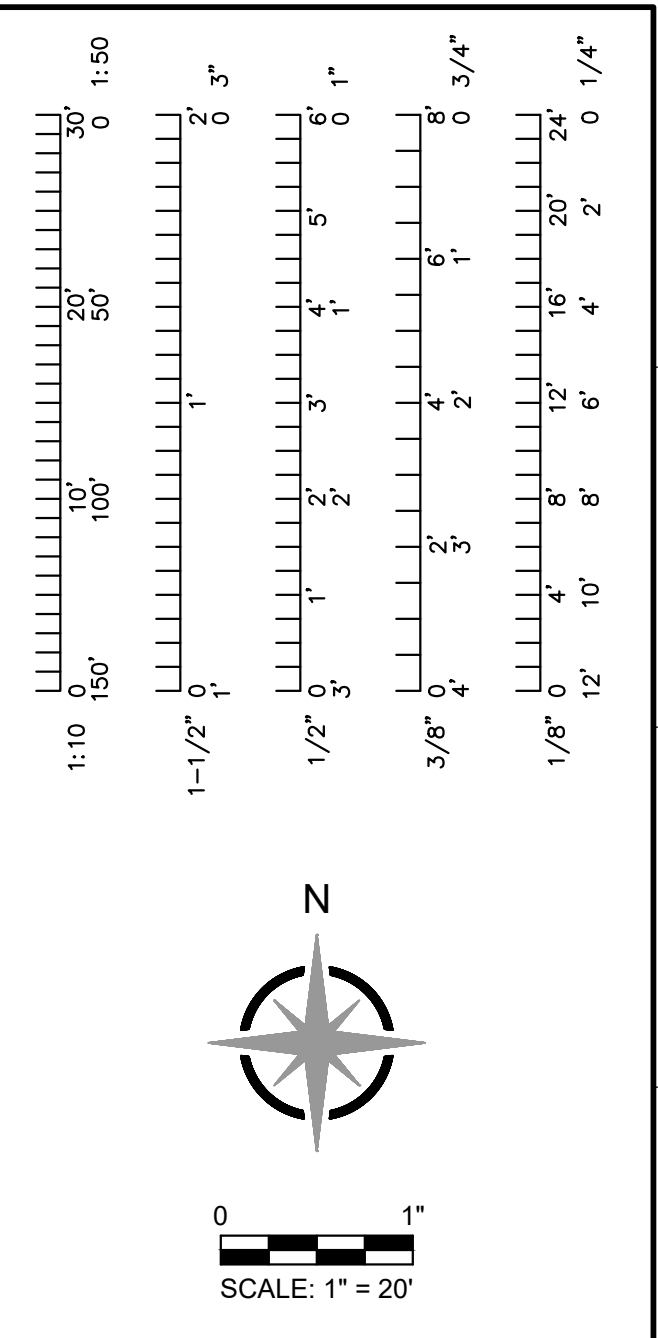
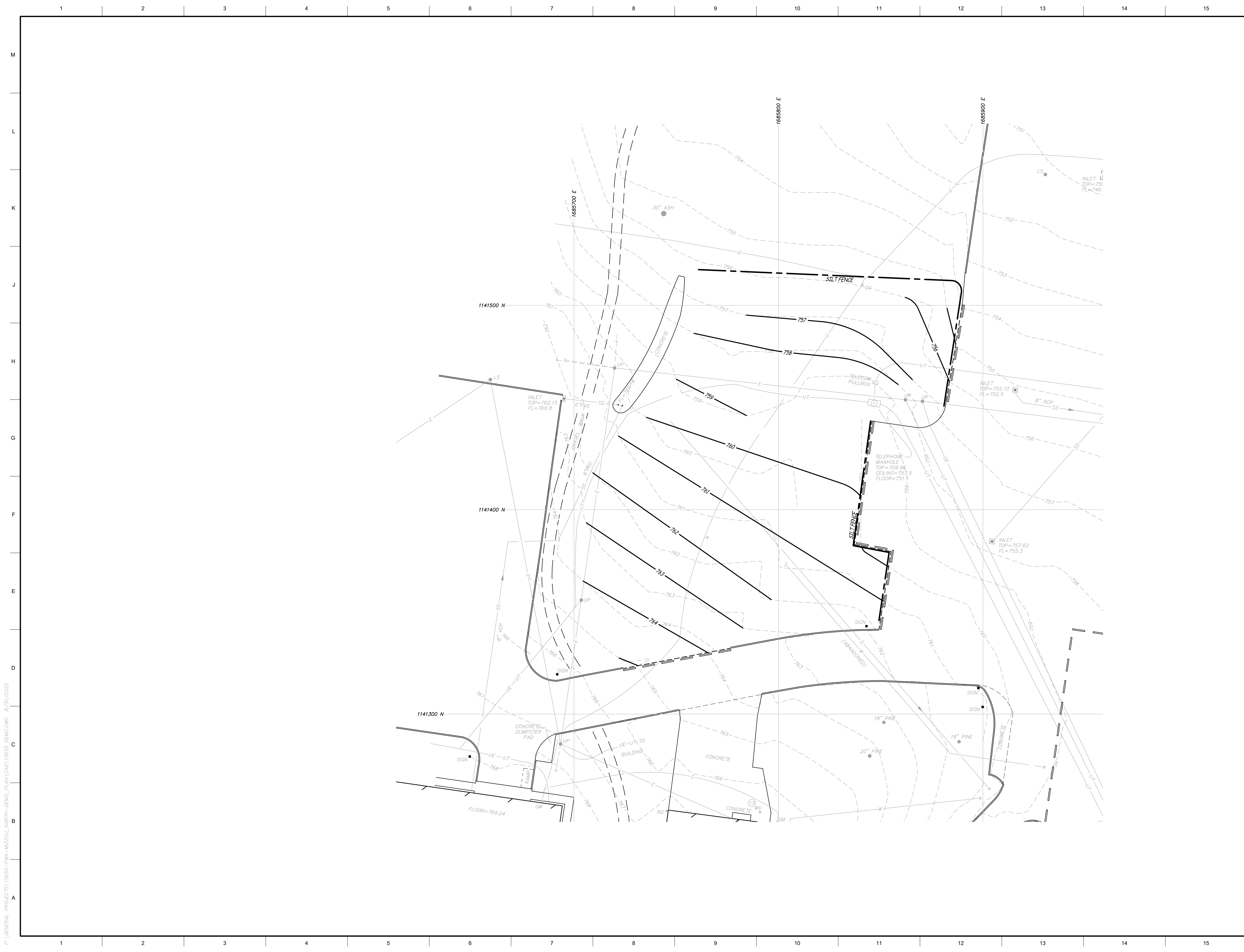
IF ORIGINAL SIGNATURE OR DIGITAL AUTHENTICATION IS NOT PRESENT CONSIDERED UNRELIABLE DOCUMENT

MU

Project CP219078
MIZZOU NORTH DEMOLITION
115 W BUSINESS LOOP 70
COLUMBIA, MO
University of Missouri
For The Curators of the University of Missouri

Drawn:	CGH	Project Number:	202214
Checked:	BAR	CAD File Name (Number):	
Drawing Title:	FINAL SITE PLAN AFTER DEMOLITION		
No.	Revisions:	Date:	
Submission Date:	09/13/2022	Drawing Number:	C5.05
Plot Date:	08/30/2022		

P:\GENERAL PROJECTS\15633-PWA-MIZZOU-NORTH-DEMO-PLAN\CAD\15633_DEMO.DWG 8/20/2022



MEP:
Ross & Baruzzini

CIVIL:


Engineering Surveys & Services
 DELIVERING YOUR VISION™
 1113 Fay Street, Columbia, MO 65201
 673-449-2646
 www.esinc.com
 MO Engineering Corp. # 2004085018
 ES&S 208 No. 13633

ARCHITECT:

PWArchitects, Inc.
 2120 Forum Blvd., Ste. 101
 Columbia, Missouri 65203
 PWArchitects.com | 573.449.2683
 Peckham & Wright Architects an Architectural Corporation
 Missouri State Certificate of Authority No. 000244

9/13/2022

 BENJAMIN A. ROSS
 NUMBER E-30054
 BENJAMIN A. ROSS REGISTERED PROFESSIONAL ENGINEER E-30054
 IF ORIGINAL SIGNATURE OR DIGITAL AUTHENTICATION IS NOT PRESENT CONSIDERED A CERTIFIED DOCUMENT


 Project CP219078
MIZZOU NORTH DEMOLITION
 115 W BUSINESS LOOP 70
 COLUMBIA, MO
 University of Missouri
 For The Curators of the University of Missouri

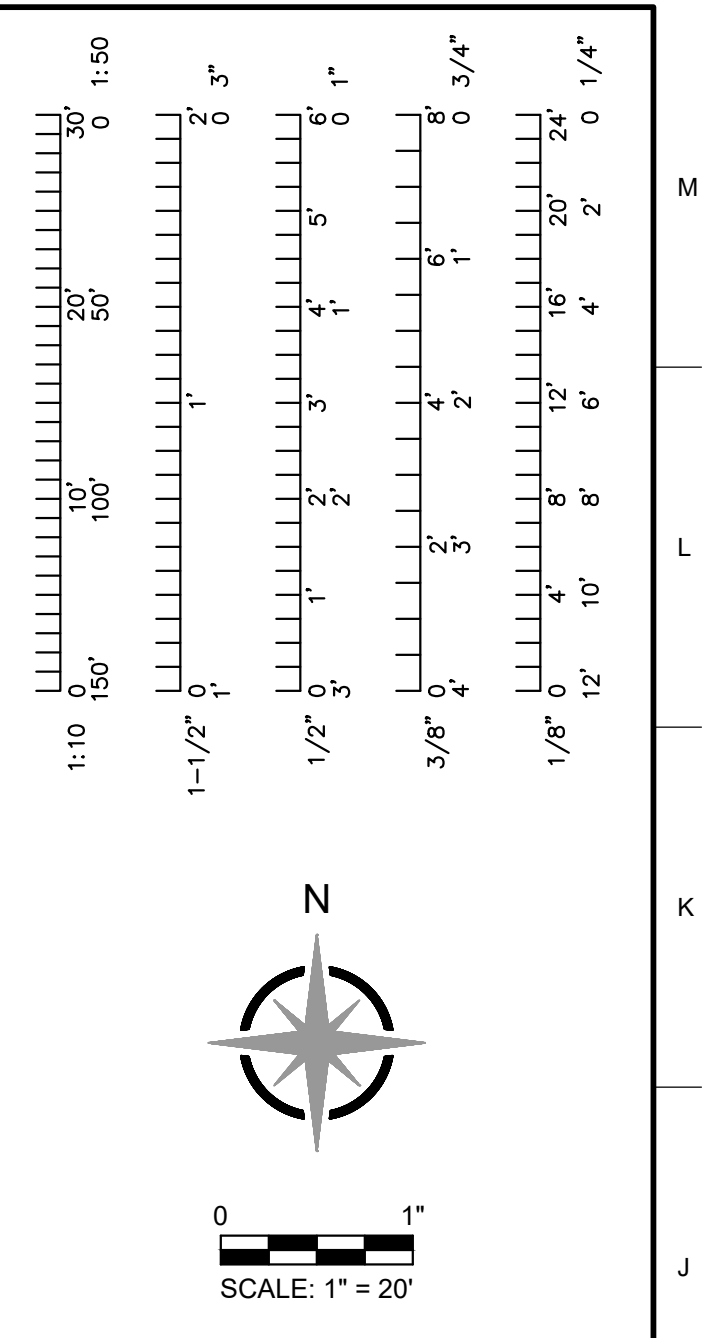
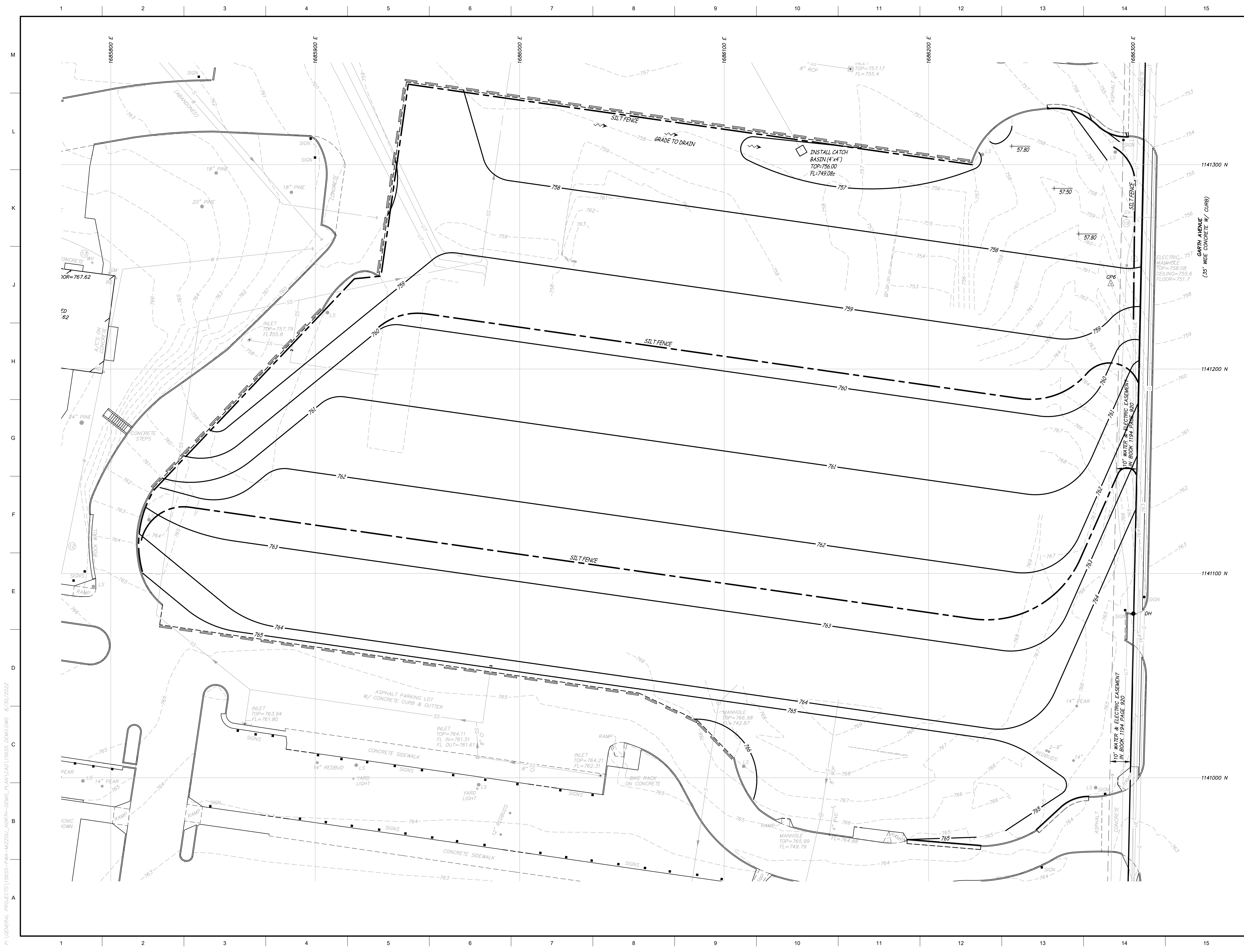
Drawn:	Project Number:
CGH	202214
Checked:	CAD File Name (Number):
BAR	

Drawing Title:
PHASE 1 GRADING PLAN

No.	Revisions:	Date:

Submission Date:	Drawing Number:
09/13/2022	C6.01
Plot Date:	
08/30/2022	

P:\GENERAL PROJECTS\15655-PWA-MIZZOU-NORTH-DEMO-PLAN\CAD\15655-DEMO.DWG 8/20/2022



MEP:

Ross & Baruzzini

CIVIL:

ES&S
Engineering Surveys & Services
DELIVERING YOUR VISION™
1113 Fay Street, Columbia, MO 65201
673-449-2646
www.esandbaruzzini.com
MO Engineering Corp. # 2004095018
ES&S JOB NO. 13633

ARCHITECT:

PWArchitects, Inc.
Peckham & Wright Architects, Inc., d.b.a.
2120 Forum Blvd., Ste. 101
Columbia, Missouri 65203
PWArchitects.com | 573.449.2683
Peckham & Wright Architects an Architectural Corporation
Missouri State Certificate of Authority No. 000244

9/13/2022

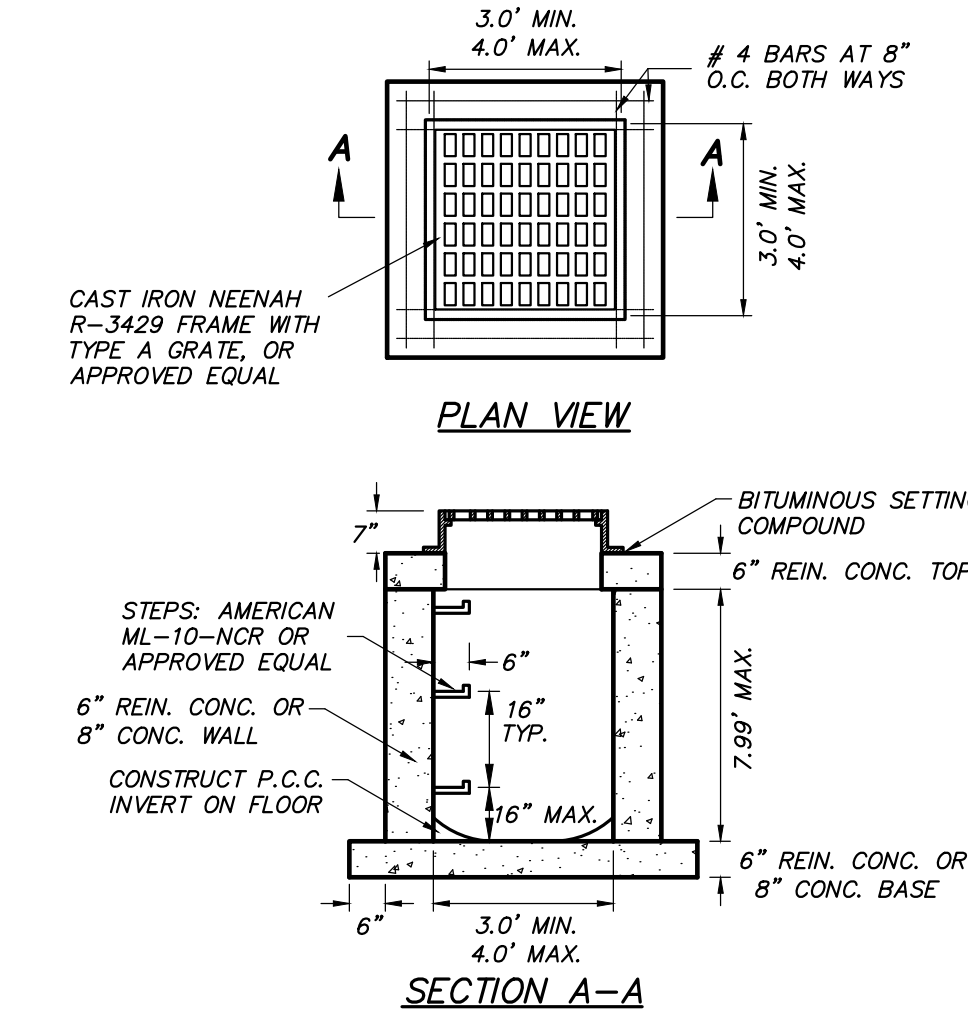
STATE OF MISSOURI
BENJAMIN A. ROSS
NUMBER E-30054
Professional Engineer
Benjamin A. Ross
BENJAMIN A. ROSS REGISTERED PROFESSIONAL ENGINEER E-30054
IF ORIGINAL SIGNATURE OR DIGITAL AUTHENTICATION IS NOT PRESENT, CONSIDERED A CERTIFIED DOCUMENT.

MU

Project CP219078
MIZZOU NORTH DEMOLITION
115 W BUSINESS LOOP 70
COLUMBIA, MO
University of Missouri
For The Curators of the University of Missouri

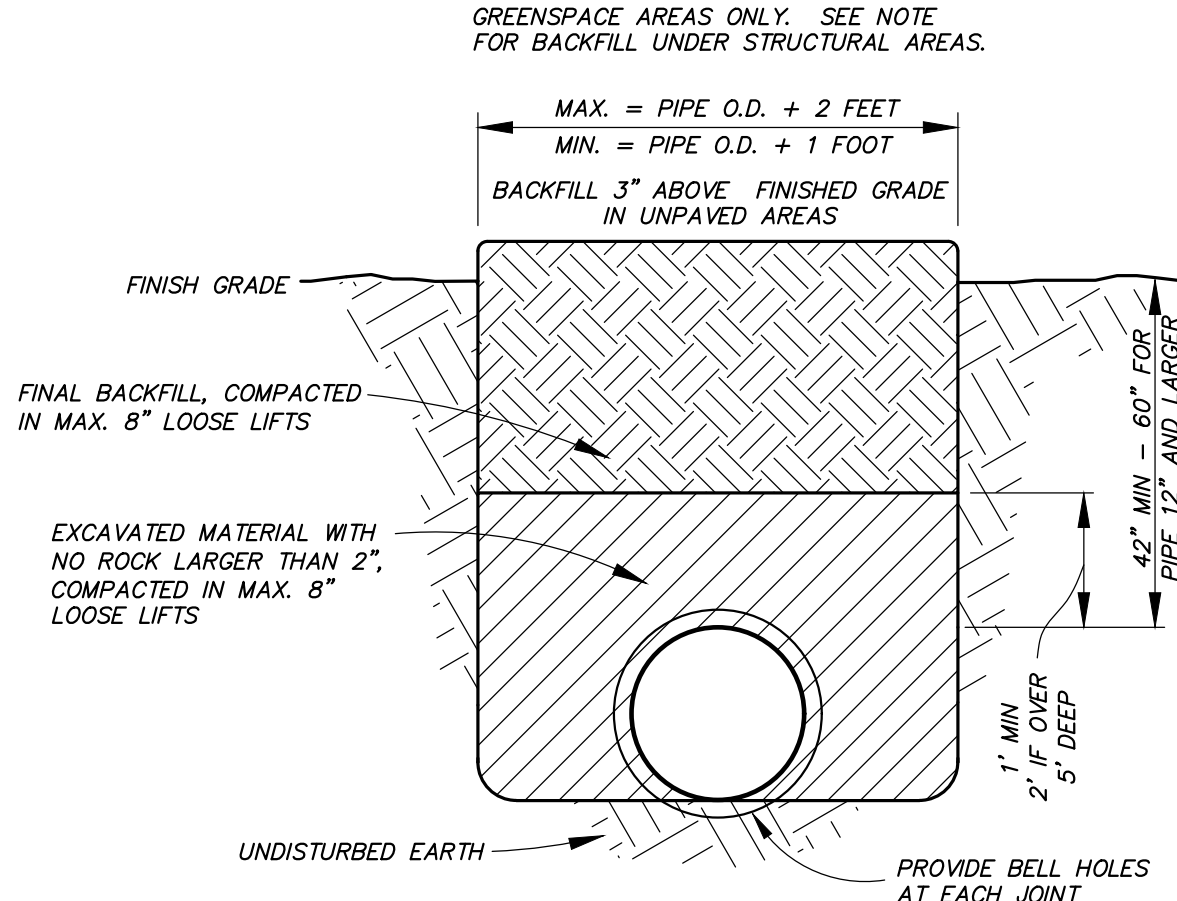
Drawn:	Project Number:	
CGH	202214	
Checked:	CAD File Name (Number):	
BAR		
Drawing Title:		
PHASE 2 GRADING PLAN		
No.	Revisions:	Date:
Submission Date:	Drawing Number:	
09/13/2022	C6.02	
Plot Date:		
08/30/2022		

P:\GENERAL PROJECTS\15655-PWA-MIZZOU-NORTH-DEMO-PLAN\CAO\15655_DEMO.DWG 8/30/2022

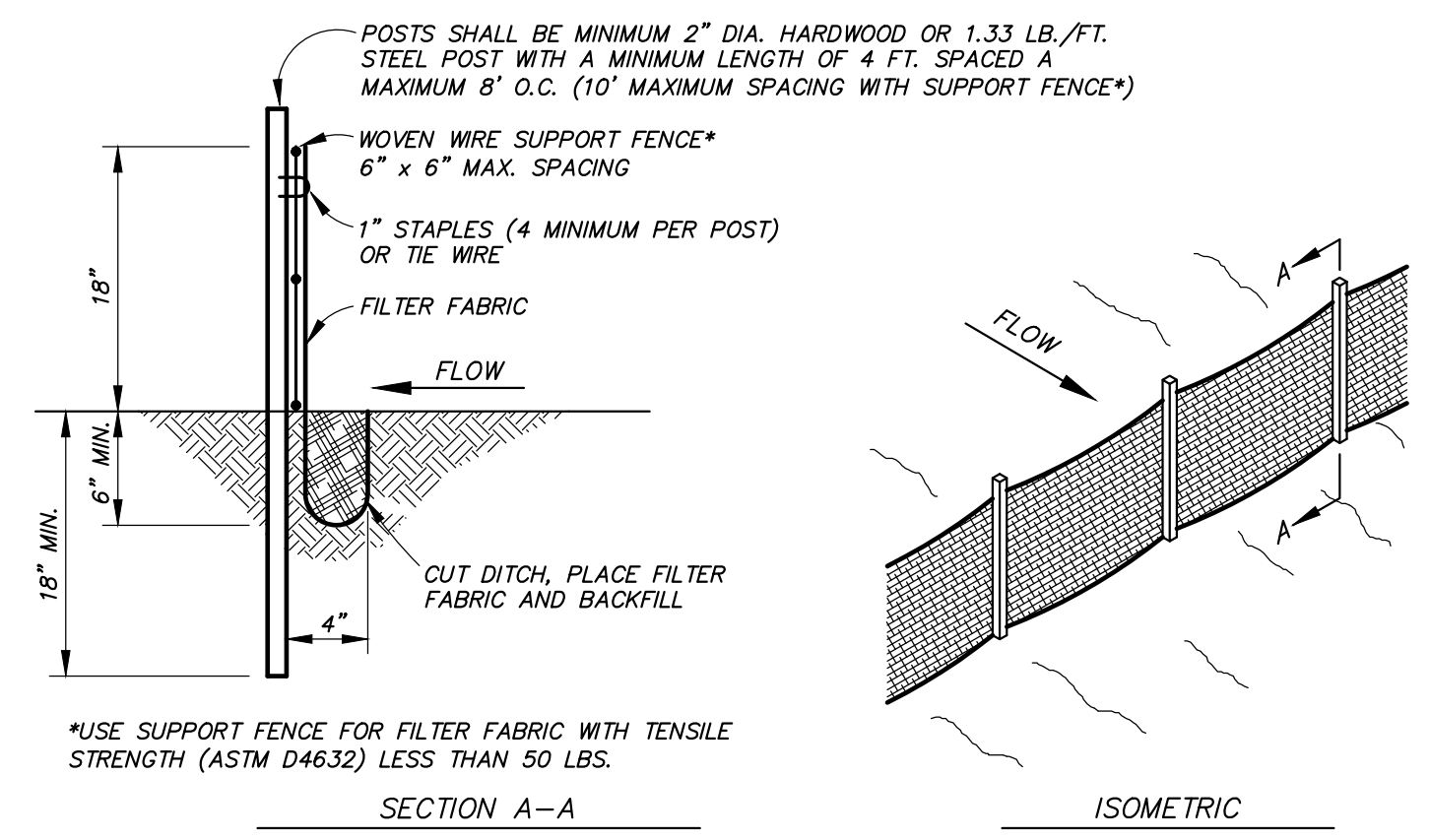


- NOTES:**
1. CONCRETE SHALL BE 4,000 PSI AT 28 DAYS WITH 6% AIR.
 2. REINFORCING STEEL SHALL BE GRADE 60.
 3. INSTALL WEEP HOLES IN STRUCTURE PER SEPARATE DETAIL.
 4. REINFORCED CONCRETE SHALL BE #4 BARS AT 12" CTRS. BOTH WAYS AND #4 BARS DIAGONAL AT PIPE OPENINGS.
 5. FORM ALL INVERTS FOR SMOOTH FLOW THRU STRUCTURE.
 6. SEE SEPARATE DETAIL FOR CONCRETE BOX DESIGN FOR DIMENSIONS THAT EXCEED THE MAXIMUMS LISTED HERE.
 7. STEPS NOT REQUIRED WHERE "H" IS LESS THAN 4". PLACE STEPS ON VACANT WALL WHEN POSSIBLE. STAGGER STEPS 2" EACH WAY FROM CENTERLINE OF FRAME AND LID.

CATCH BASIN
NOT TO SCALE

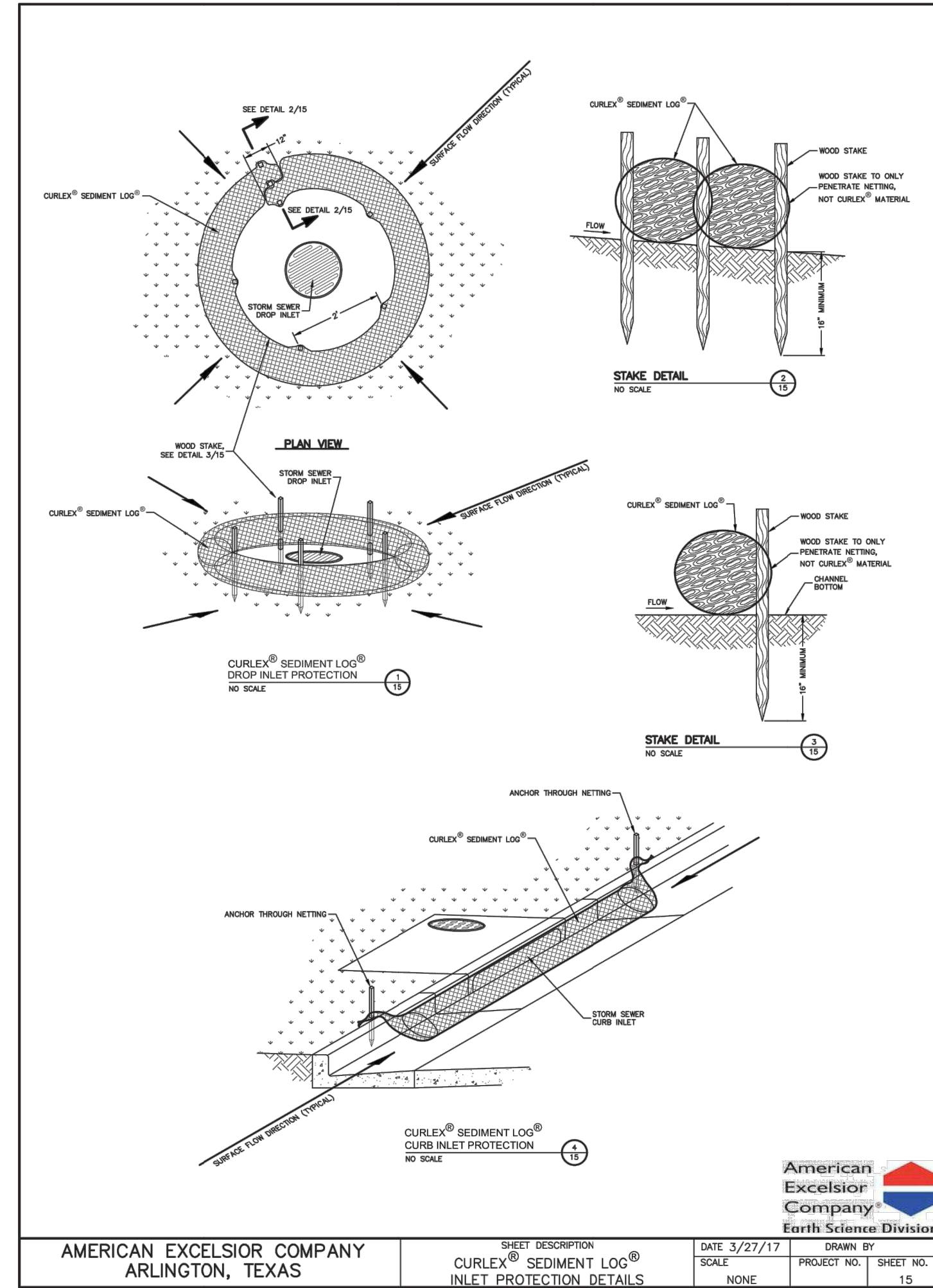
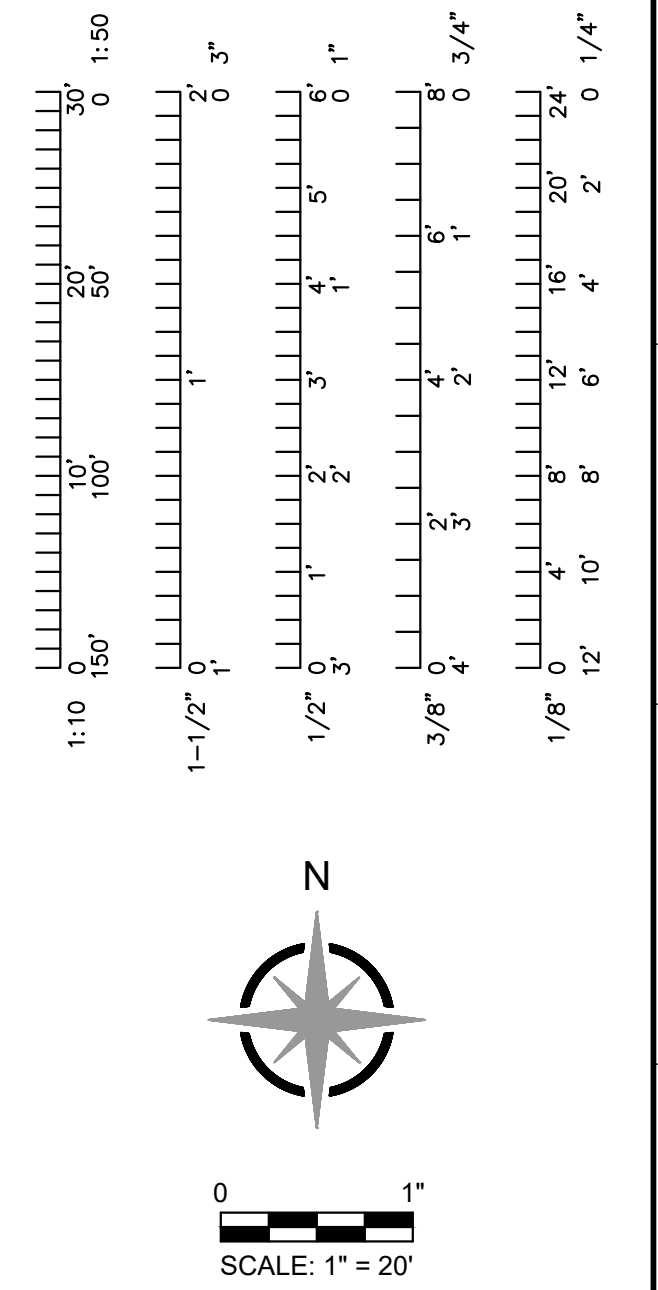


PVC WATER PIPE EMBEDMENT DETAIL
NOT TO SCALE

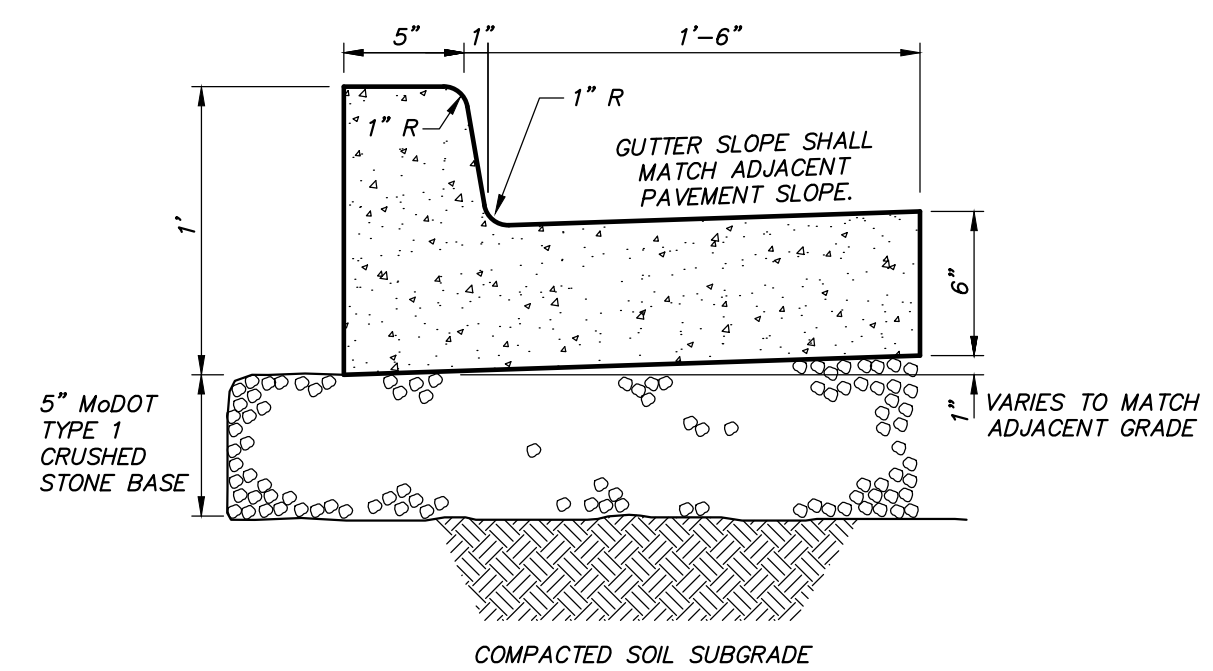


SILT FENCE DETAIL
NOT TO SCALE

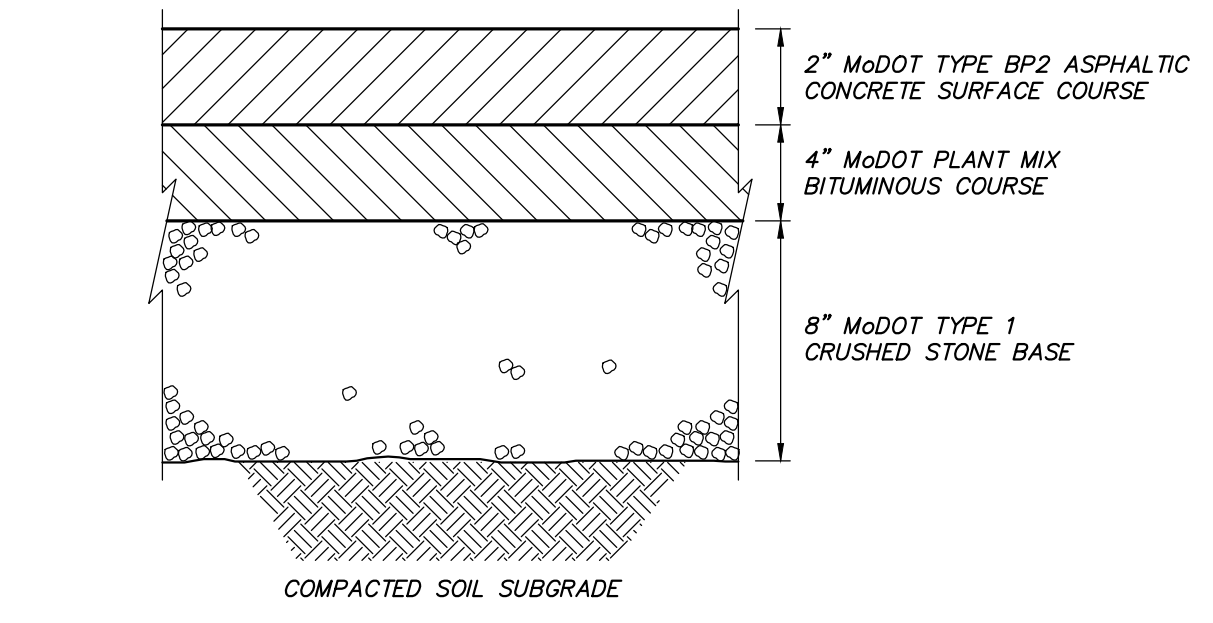
- NOTES:**
1. CONTRACTOR SHALL INSTALL SILT FENCE AT TOE OF SLOPES OF ALL AREAS AFFECTED BY CONSTRUCTION PRIOR TO ANY DISTURBANCE ON THE SITE.
 2. SILT FENCE SHALL REMAIN UNTIL VEGETATION HAS BEEN ESTABLISHED ON DISTURBED AREAS.
 3. BUILT UP SEDIMENT SHALL BE REMOVED FROM SILT FENCE WHEN IT HAS REACHED ONE-THIRD THE HEIGHT OF THE FENCE.
 4. SILT FENCES SHALL BE INSPECTED FOR DEPTH OF SEDIMENT, TEARS, ETC., TO VERIFY THE FABRIC IS SECURELY ATTACHED TO THE POSTS, THE POSTS ARE SECURELY IN THE GROUND, AND THE FABRIC IS SECURELY IMBEDDED IN THE GROUND TO PREVENT RUNOFF FROM GOING UNDER ANY PART OF THE FENCE.
 5. CONTRACTOR SHALL REMOVE ALL SILT FENCES WHEN ALL DISTURBED AREAS ARE COVERED WITH A MINIMUM BOX VEGETATION. SEED AND MULCH ALL AREAS DISTURBED DURING REMOVAL.



CURLX® SEDIMENT LOG® CURB INLET PROTECTION DETAILS
NOT TO SCALE



6" CONCRETE CURB & GUTTER SECTION
NOT TO SCALE



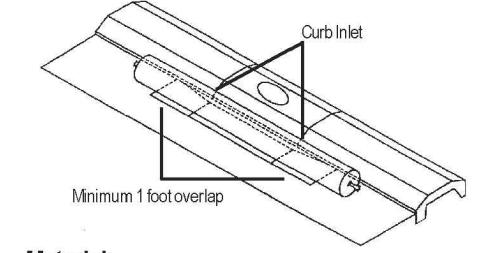
HEAVY DUTY ASPHALT PAVEMENT
NOT TO SCALE

Gutterbuddy™ Specification
For Curb Gutter Storm Drains

1.0 Description

1.1 This work shall consist of furnishing, placing, maintaining and removing the Gutterbuddy™ sediment control device as directed by the engineer and as shown on the contract drawings. The Gutterbuddy™ sediment control system distributed by:

ACF Environmental, Inc.
2831 Carwell Road
Richmond, Virginia 23234
Phone: 800-448-3636 • Fax: 804-743-7779
www.acfenvironmental.com



2.0 Materials

2.1 GUTTERBUDDY™

The Gutterbuddy™ shall be synthetic filter manufactured from recycled synthetic fibers.

2.1.1 The Gutterbuddy™ will be manufactured to be 9" in diameter and are available in 4', 6', 8', 10', 12', 14' and 16' lengths and a minimum of twenty-four (24) inches longer than the curb inlet opening. This will allow for sufficient length to cover the inlet with twelve (12) inches beyond the inlet on both ends.

3.0 Construction Sequence

3.1 General

3.1.1 Install the Gutterbuddy™ in front of the curb inlet opening. Each end of the Gutterbuddy™ should overlap the curb inlet approximately 12".

3.1.2 The Gutterbuddy™ should be cleaned if a visual inspection shows silt and debris build up around the Gutterbuddy™.

3.1.3 To remove the Gutterbuddy™, lift out of the opening.

3.1.4 The Gutterbuddy™ is reusable. Once the construction project is complete and it is no longer needed for sediment control, remove, clean and store out on a regular basis and immediately after major rain events.

3.1.5 Ponding is likely if sediment is not removed regularly. Inspection of Gutterbuddy™ should be on a regular basis and immediately after major rain events.

4.0 Basis of Payment

4.1 The payment for any Gutterbuddy™ used during the construction is to be included in the bid of the overall erosion and sediment control plan and priced by the linear foot.



ACF Environmental
"Complete Source for Storm Water Solutions"

Distributed by:

THE BMP STORES
(800) 644-9223
www.thebmpstores.com

ACF
2831 Carwell Road
Richmond, Virginia 23234
(800) 448-3636 • FAX (804) 743-7779
www.acfenvironmental.com

MEP:
Ross & Baruzzini

CIVIL:
ES&S
Engineering Surveys & Services
DELIVERING YOUR VISION™
1113 Fay Street, Columbia, MO 65201
673-449-2646
www.esinc.com
MO Engineering Corp. # 2004005018
ES&S JOB NO. 13633

ARCHITECT:
PWArchitects, Inc.
2120 Forum Blvd., Ste. 101
Columbia, Missouri 65203
PWArchitects.com | 573.449.2683
Peckham & Wright Architects an Architectural Corporation
Missouri State Certificate of Authority No. 000244

9/13/2022
BENJAMIN A. ROSS
NUMBER E-30054
Professional Engineer
Benjamin A. Ross Registered Professional Engineer E-30054



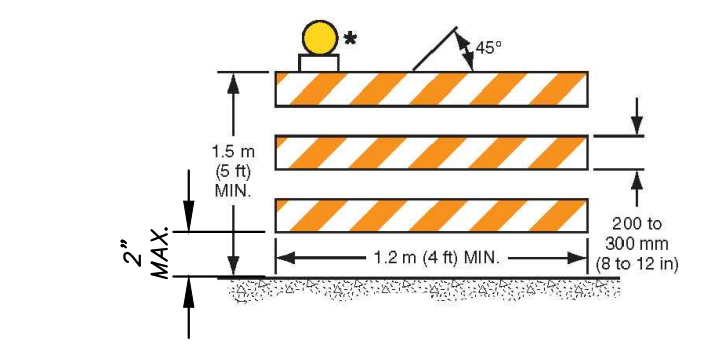
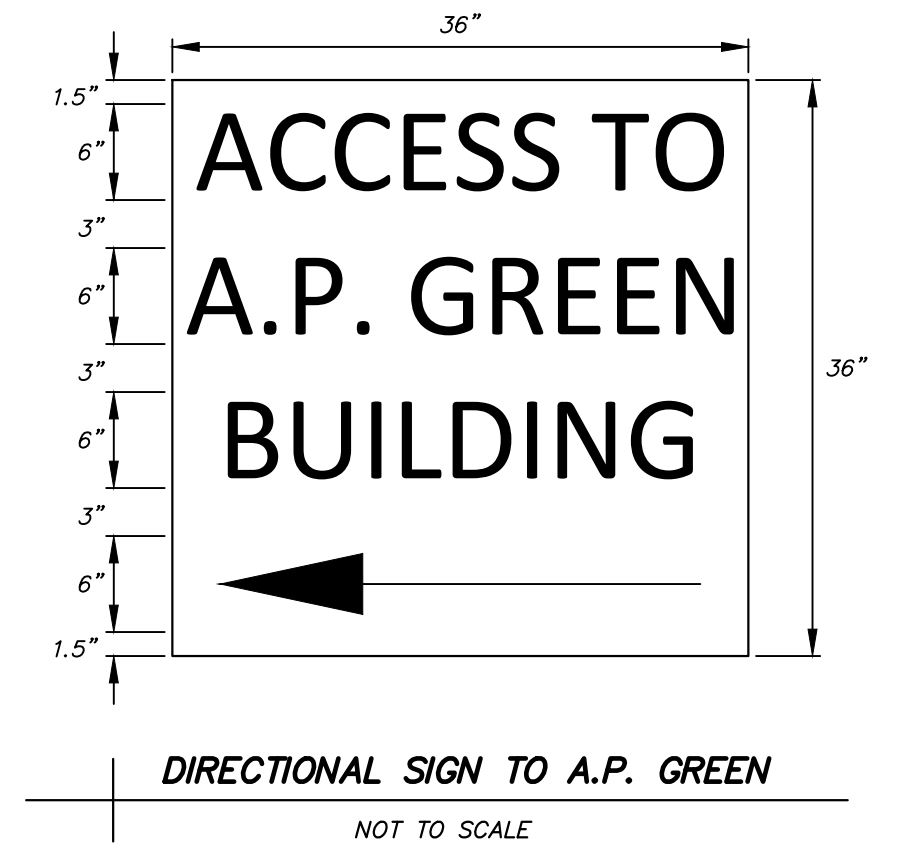
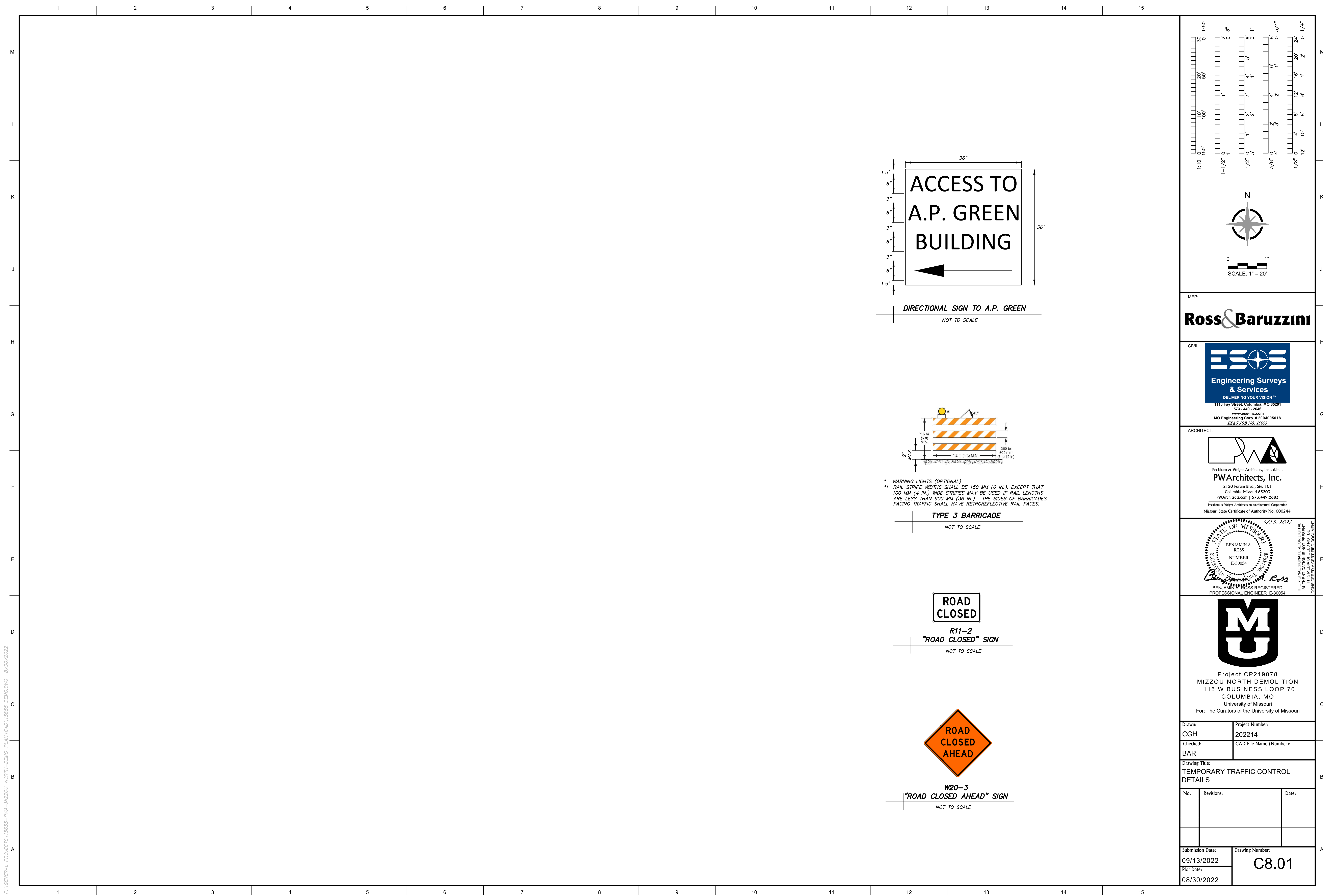
Project CP219078
MIZZOU NORTH DEMOLITION
115 W BUSINESS LOOP 70
COLUMBIA, MO
University of Missouri
For: The Curators of the University of Missouri

Drawn: CGH
Checked: BAR
Drawing Title: SITE & EROSION CONTROL DETAILS

No.	Revisions:	Date:

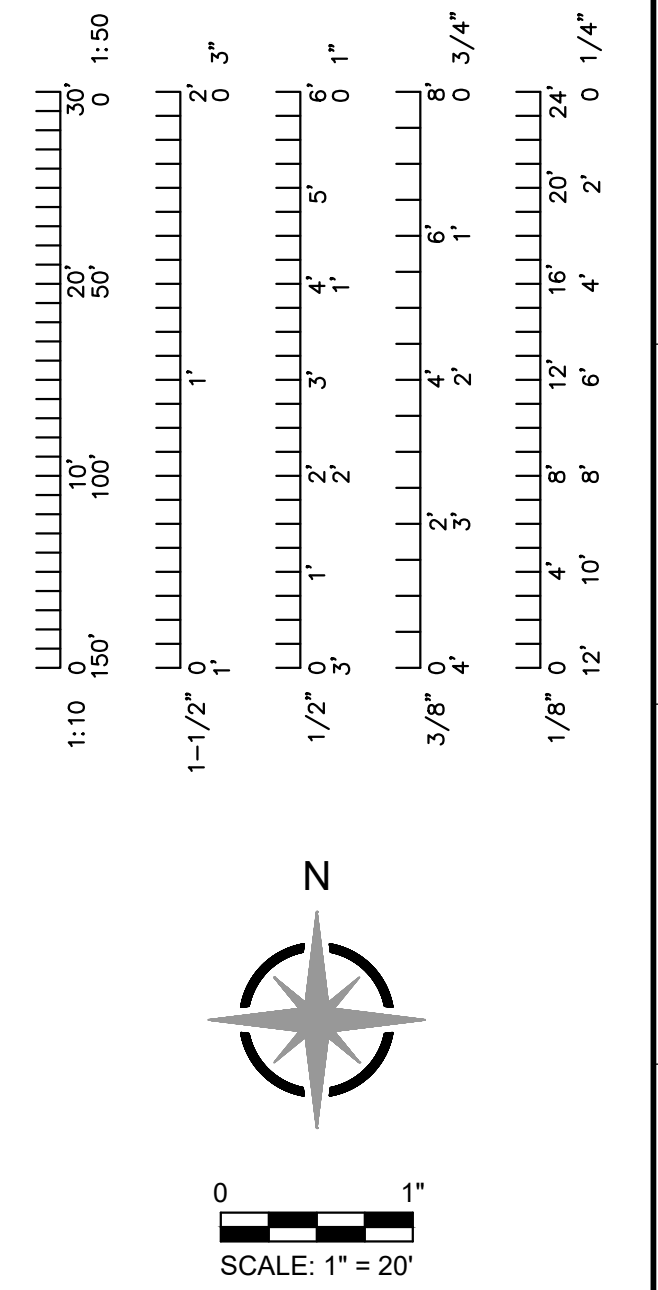
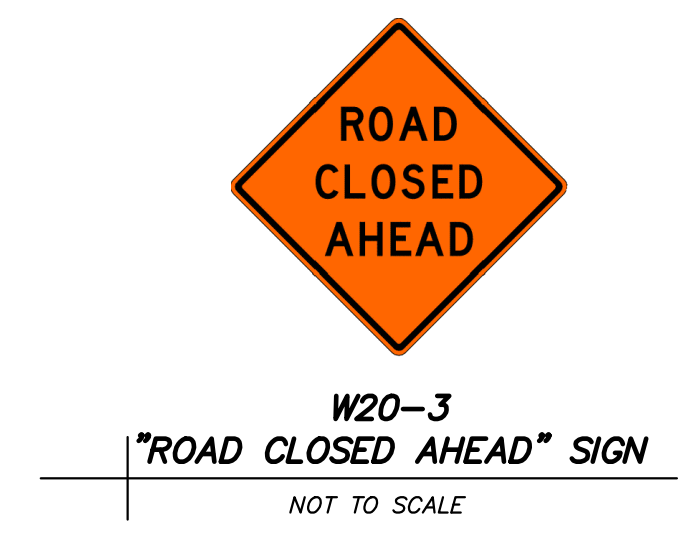
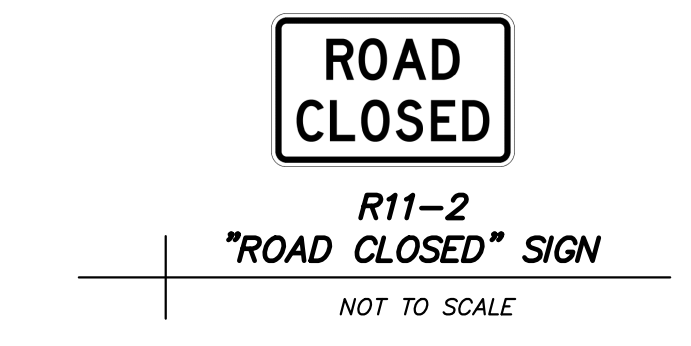
Submission Date: 09/13/2022
Plot Date: 08/30/2022
Drawing Number: C7.01

P:\GENERAL PROJECTS\15655-PWA-MIZZOU-NORTH-DEMO-PLAN\CAD\15655-DEMOMG 8/30/2022



* WARNING LIGHTS (OPTIONAL)
 ** RAIL STRIPE WIDTHS SHALL BE 150 MM (6 IN.), EXCEPT THAT 100 MM (4 IN.) WIDE STRIPES MAY BE USED IF RAIL LENGTHS ARE LESS THAN 900 MM (36 IN.). THE SIDES OF BARRICADES FACING TRAFFIC SHALL HAVE RETROREFLECTIVE RAIL FACES.

TYPE 3 BARRICADE
NOT TO SCALE



MEP:
Ross & Baruzzini

CIVIL:
ES&S
Engineering Surveys & Services
DELIVERING YOUR VISION™
1113 Fay Street, Columbia, MO 65201
673-449-2646
www.esinc.com
MO Engineering Corp. # 2004085018
ES&S JOB NO. 15633

ARCHITECT:
PWArchitects, Inc.
Peckham & Wright Architects, Inc., d.b.a.
2120 Forum Blvd., Ste. 101
Columbia, Missouri 65203
PWArchitects.com | 573.449.2683
Peckham & Wright Architects an Architectural Corporation
Missouri State Certificate of Authority No. 000244

9/13/2022
STATE OF MISSOURI
BENJAMIN A. ROSS
NUMBER E-30054
Professional Engineer
BENJAMIN A. ROSS REGISTERED PROFESSIONAL ENGINEER E-30054
IF ORIGINAL SIGNATURE OR DIGITAL AUTHENTICATION IS NOT PRESENT, CONSIDERED UNRELIABLE DOCUMENT.

MU
Project CP219078
MIZZOU NORTH DEMOLITION
115 W BUSINESS LOOP 70
COLUMBIA, MO
University of Missouri
For: The Curators of the University of Missouri

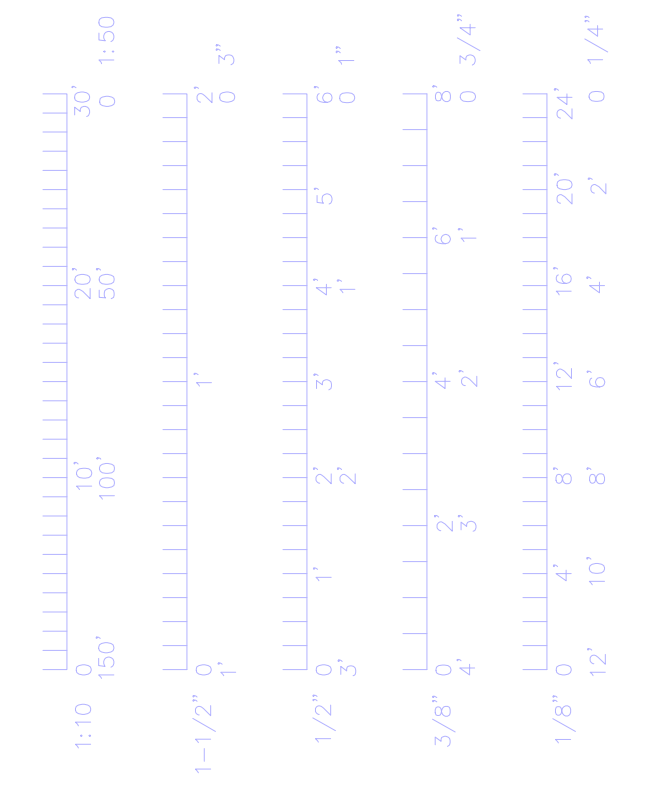
Drawn: CGH	Project Number: 202214	
Checked: BAR	CAD File Name (Number):	
Drawing Title: TEMPORARY TRAFFIC CONTROL DETAILS		
No.	Revisions:	Date:
Submission Date: 09/13/2022	Drawing Number: C8.01	
Plot Date: 08/30/2022		

P:\GENERAL PROJECTS\15633-PWA-MIZZOU-NORTH-DEMO-PLAN\CAD\15633 DEMO.DWG 8/30/2022

ELECTRICAL SYMBOLS AND ABBREVIATIONS

ABBREVIATIONS	
A	AMPERES
AC	ALTERNATING CURRENT
ACS	ACCESS CONTROL SYSTEM
AFF	ABOVE FINISHED FLOOR
AIC	AMPERES INTERRUPTING CAPACITY
AV	AUDIO/VIDEO
AWG	AMERICAN WIRE GAUGE
BAS	BUILDING AUTOMATION SYSTEM
C	CONDUIT
CAT	CATEGORY
CATV	CABLE TELEVISION
CBP	COPPER BACKBONE PATCH PANEL
CCTV	CLOSED CIRCUIT TELEVISION
CFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
COMM	COMMUNICATIONS
CPP	COPPER HORIZONTAL PATCH PANEL
CT	CABLE TRAY
CU	COPPER
CUH	CABINET UNIT HEATER
CO	COPIER
CWL	COLUMBIA WATER AND LIGHT
DC	DIRECT CURRENT
DPST	DUAL POLE, SINGLE THROW
DW	DISHWASHER
EC	EMPTY CONDUIT
EF	EXHAUST FAN
EGC	EQUIPMENT GROUNDING CONDUCTOR
EIA	ELECTRONICS INDUSTRIES ASSOCIATIONS
EMT	ELECTRICAL METALLIC TUBING
EOC	EMERGENCY OPERATIONS CENTER
EPO	EMERGENCY POWER OFF
ETR	EXISTING TO REMAIN
EWG	ELECTRIC WATER COOLER
FAAP	FIRE ALARM ANNUNCIATOR PANEL
FACP	FIRE ALARM CONTROL PANEL
FBO	FURNISHED BY OTHERS
FO	FIBER OPTIC
FPD	FLAT PANEL DISPLAY
FPP	FIBER OPTIC PATCH PANEL
FT	FEET OR FOOT
GF I OR GF C I	GROUND FAULT CIRCUIT INTERRUPTER
GC	GENERAL CONTRACTOR
G OR GND	GROUND
GFR	GROUND FAULT RELAY
GFP	GROUND FAULT PROTECTION
HZ	HERTZ
IG	ISOLATED GROUND
INV	INVERTER
JBOX	JUNCTION BOX
K	KILO
KCMIL	THOUSAND CIRCULAR MILS
KV	KILOVOLT AMPERES
KWH	KILOWATT HOURS
LC	LIGHTING CONTACTOR
LPI	LIGHTNING PROTECTION INSTITUTE
MAX	MAXIMUM
MCB	MAIN CIRCUIT BREAKER
MDP	MAIN DISTRIBUTION PANEL
MH	MANHOLE
MLO	MAIN LUGS ONLY
MM	MULTIMODE
MTD	MOUNTED
MW	MICROWAVE
N	NEUTRAL CONDUCTOR
N.C.	NORMALLY CLOSED
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION
MA	NOT IN CONTRACT
NL	NIGHT LIGHT
N.O.	NORMALLY OPEN
NTS	NOT TO SCALE
OC	ON CENTER
OF C I	OWNER FURNISHED, CONTRACTOR INSTALLED
OF I	OWNER FURNISHED, OWNER INSTALLED
ONT	OPTICAL NETWORK TERMINAL
P	POLE
PR	PAIR
PVC	POLYVINYL CHLORIDE
R	RELAY
REF	REFRIGERATOR
RGS	RIGID GALVANIZED STEEL CONDUIT
RN	REPLACE WITH NEW
RMC	RIGID METAL CONDUIT
SCCR	SHORT CIRCUIT CURRENT RATING
SCH	SCHEDULE
ScTP	SHIELDED TWISTED PAIR
SE	SECURITY ELECTRONICS
SM	SINGLE MODE
SPD	SURGE PROTECTION DEVICE
SPECS	CONTRACT SPECIFICATIONS
SPST	SINGLE POLE SINGLE THROW
STR	STRAND
SWBD	SWITCHBOARD
T	TRANSFORMER
TR	TELECOMMUNICATIONS ROOM
TYP	TYPICAL
UHF	ULTRA-HIGH FREQUENCY
UL	UNDERWRITERS' LABORATORIES
UON	UNLESS OTHERWISE NOTED
UPS	UNINTERRUPTABLE POWER SUPPLY
UTP	UNSHIELDED TWISTED PAIR
V	VOLTS
VA	VOLT AMPERES
VFD	VARIABLE FREQUENCY DRIVE
VHF	VERY HIGH FREQUENCY
VM	VENDING MACHINE
W	WIRE OR WATT
WP	WEATHERPROOF
WR	WEATHER-RESISTANT
WPIU	WEATHERPROOF WHILE IN USE
XFMR	TRANSFORMER
XRL	EXISTING TO BE RELOCATED

DRAWING REFERENCES	
	TITLE PLAN DETAIL REFERENCE TITLE
	SCALE KEYED NOTE DESIGNATION
	NORTH ARROW
	PLAN MARK EQUIPMENT DESIGNATION REFER TO MEP SCHEDULE FOR CIRCUITING AND DEVICE REQUIREMENTS AND FLOOR PLANS FOR LOCATIONS
	EQUIPMENT NUMBER
	PLAN MARK ENLARGED PLAN REFERENCE
	SHEET NUMBER
	SECTION
	INTERFACE, EXISTING TO NEW
	EXTENT OF DEMOLITION
	MATCHLINE
	REVISION TAG
LINE TYPE LEGEND	
	EXISTING TO REMAIN OR NEW WORK BY OTHERS (LIGHT, SOLID LINE)
	NEW WORK BY THIS CONTRACTOR (DARK, SOLID LINE)
	EXISTING TO BE REMOVED BY THIS CONTRACTOR (DARK, DASHED LINE, DEMOLITION PLANS)
	NEW WORK BY THIS CONTRACTOR TO BE INSTALLED UNDERGROUND, OR BELOW FLOOR (DARK, LONG DASHED LINE)
LIGHTING FIXTURES	
	PARKING LOT POLE LIGHT
RACEWAYS	
	CABLE TRAY : TYPE AS NOTED
	LADDER TRAY
	WIRE IN CONDUIT, CONCEALED
	WIRE IN CONDUIT, EXPOSED
	CONTINUATION
	HANDHOLE
	MANHOLE
ELECTRICAL EQUIPMENT	
NOTE: THE ACTUAL SIZE OF EQUIPMENT IS SHOWN ON THE DRAWINGS AND MAY DIFFER FROM WHAT IS SHOWN BELOW.	
	ELECTRICAL PANELBOARD
	PHOTOCELL



MEP:
Ross & Baruzzini

CIVIL:
ES&S
Engineering Surveys
and Services
DELIVERING YOUR VISION™

ARCHITECT:

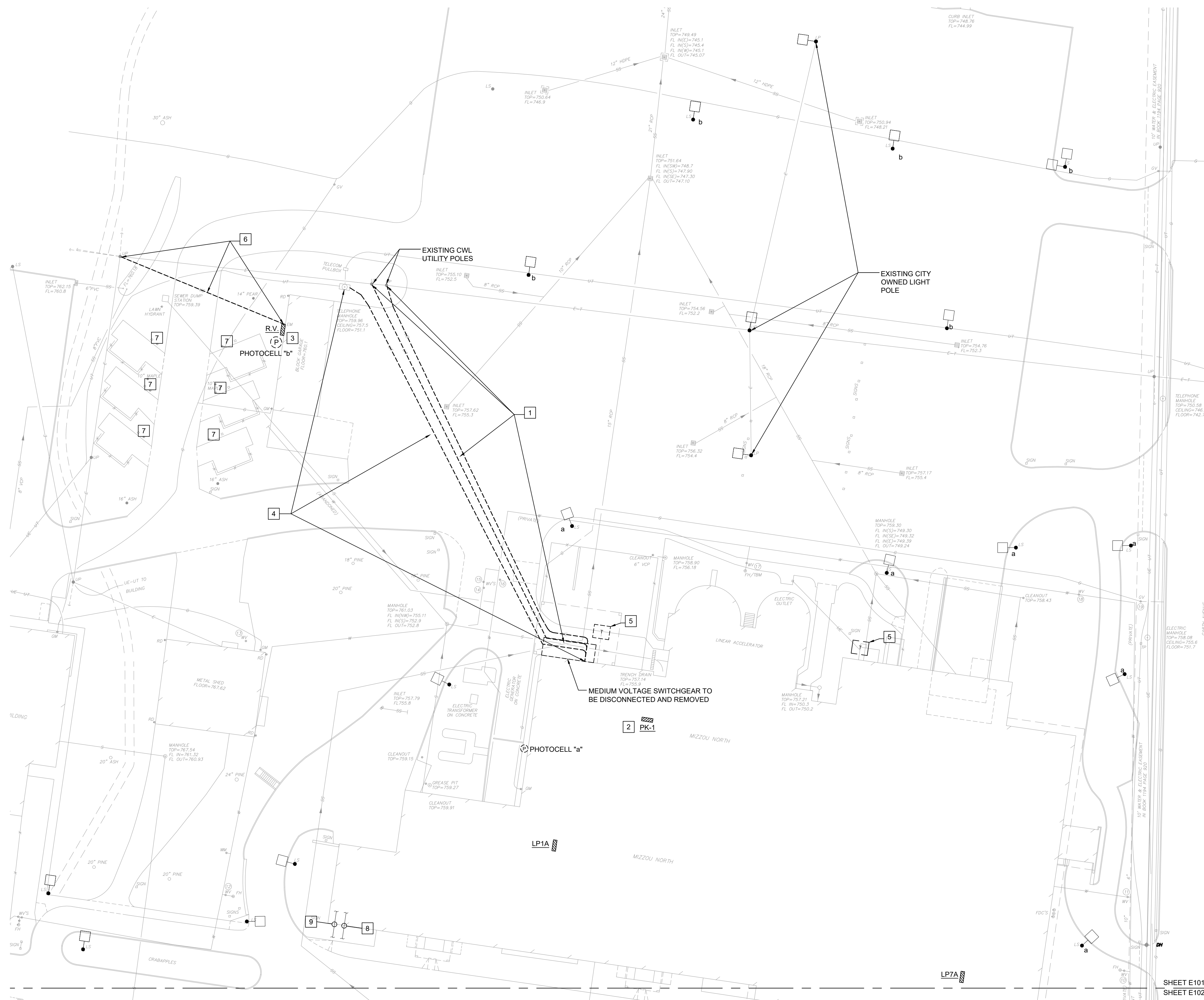
Peckham & Wright Architects, Inc., d.b.a.
PWArchitects, Inc.
2120 Forum Blvd., Ste. 101
Columbia, Missouri 65203
PWArchitects.com | 573.449.2683
Peckham & Wright Architects an Architectural Corporation
Missouri State Certificate of Authority No. 000244

Project CP219078
MIZZOU NORTH DEMOLITION
115 W BUSINESS LOOP 70
COLUMBIA, MO
University of Missouri
For: The Curators of the University of Missouri

Drawn: _____ Project Number: _____
Checked: _____ CAD File Name (Number): _____

Drawing Title:		
ELECTRICAL SYMBOLS, AND ABBREVIATIONS		
No.	Revisions:	Date:

Submission Date: 09/13/2022 Drawing Number: **E000**
Plot Date: 08/31/2022



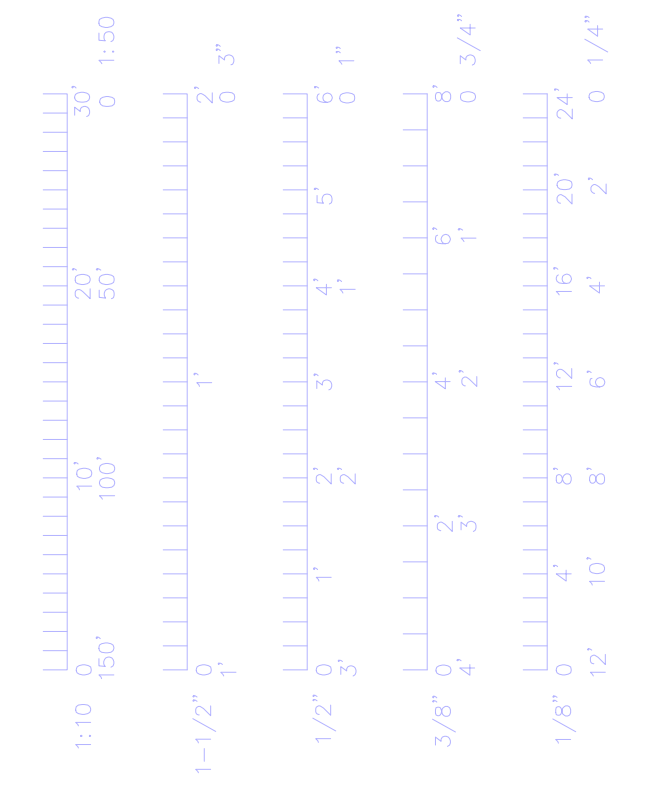
ELECTRICAL DEMOLITION PLAN - NORTH
 SCALE: 1"=30'
 NORTH

GENERAL NOTES

- TELECOM MANHOLES AND DUCTBANKS ARE SHOWN FOR REFERENCE ONLY. UMC DIVISION OF IT SHALL DISCONNECT AND REMOVE TELECOM CABLING FROM BUILDING AS APPLICABLE TO THE DEMOLITION SCOPE.
- CONTRACTOR SHALL DISCONNECT AND REMOVE ALL MEDIUM VOLTAGE CABLING FROM EXISTING MEDIUM VOLTAGE PAD MOUNTED SWITCHES AND INTO EXISTING INDOOR ELECTRICAL UNIT SUBSTATION. COORDINATE THE DEMOLITION SCOPE OF WORK WITH OWNER PRIOR TO DEMOLITION.
- CAP ALL EXISTING CONDUITS AT ABANDONED DUCTBANKS MADE AVAILABLE BY DEMOLITION.
- REFER TO SPECIAL CONDITIONS ON SHEET G-004 FOR EXISTING TELECOM ROOMS TO REMAIN OPERATIONAL TO ALLOW FOR SALVAGE OF MU CONTROLS.

SHEET KEYNOTES

- PRIOR TO DEMOLITION, CONTRACTOR TO COORDINATE THROUGH MU ENERGY MANAGEMENT AND CONTACT THE CITY UTILITY ACCOUNTS & BILLING DEPARTMENT FOR COLUMBIA WATER AND LIGHT (CWL) AND REQUEST THE FOLLOWING:
 READ ALL METERS
 SEND FINAL BILLS
 REMOVE ALL METERS
 REMOVE SERVICE FACILITIES
 CWL SHALL DISCONNECT AND REMOVE METERS AND SHALL DEMO THE ELECTRICAL SERVICE TO INCLUDE DISCONNECTION OF MEDIUM VOLTAGE CONDUCTORS FROM EXISTING RISER POLES SHOWN. CONTRACTOR SHALL REMOVE MEDIUM VOLTAGE CABLES FROM POLE RISERS TO EXISTING MEDIUM VOLTAGE SWITCHGEAR. CUT AND CAP RISER CONDUITS AT GRADE AT EXISTING UTILITY POLES. CUT MEDIUM VOLTAGE CONDUITS FLUSH WITH GRADE AND GROUT AT MEDIUM VOLTAGE SWITCHGEAR. MEDIUM VOLTAGE CONDUIT TO BE ABANDONED IN PLACE.
- EXISTING SITE LIGHTING WITH SUBSCRIPT "a" IS FED FROM EXISTING PANEL PK-1 AND CONTROLLED VIA PHOTOCELL "a". SEE KEYNOTE 8.
- EXISTING SITE LIGHTING WITH SUBSCRIPT "b" IS FED FROM EXISTING PANEL R.V. CIRCUITS 5.7 (2P-20A) AND CONTROLLED VIA PHOTOCELL "b".
- COORDINATE WITH MIKE ANDERSON, MU DIVISION OF IT (INFORMATION TECHNOLOGY). SEE GENERAL NOTE 1.
- EXISTING TRANSFORMER TO BE SALVAGED BY OWNER. COORDINATE DISCONNECTION AND REMOVAL WITH CHAD HECKMAN, MU ENERGY MANAGEMENT (ELECTRIC DISTRIBUTION).
- PRIOR TO DEMOLITION, CONTRACTOR TO COORDINATE THROUGH MU ENERGY MANAGEMENT AND CONTACT THE CITY UTILITY ACCOUNTS & BILLING DEPARTMENT FOR COLUMBIA WATER AND LIGHT (CWL) AND REQUEST THE FOLLOWING:
 READ ALL METERS
 REMOVE ALL METERS
 REMOVE SERVICE FACILITIES
 DISCONNECT AND REMOVE EXISTING PANEL R.V. CWL SHALL DISCONNECT AND REMOVE METERS AND SHALL DEMO THE ELECTRICAL SERVICE TO INCLUDE DISCONNECTION OF SECONDARY CONDUCTORS FROM EXISTING RISER POLES SHOWN. CONTRACTOR SHALL REMOVE SECONDARY CABLES FROM POLE RISERS TO EXISTING PANEL R.V. CUT AND CAP RISER CONDUITS AT GRADE AT EXISTING UTILITY POLES. CUT SECONDARY CONDUITS FLUSH WITH GRADE AND GROUT AT PANEL R.V. SECONDARY CONDUIT TO BE ABANDONED IN PLACE.
- DISCONNECT AND REMOVE EXISTING RV ELECTRIC OUTLET AND DISCONNECTS FED FROM PANEL R.V. SHOWN. REMOVE ALL FEEDER CABLING, CUT CONDUITS FLUSH WITH GRADE, GROUT, AND ABANDON IN PLACE.
- EXISTING 2" CONDUIT CONTAINING SITE LIGHTING BRANCH CIRCUITING AND CONNECTED TO SITE LIGHTING POLES DENOTED WITH SUBSCRIPT "a" CONDUIT AND BRANCH CIRCUITS OUTSIDE BUILDING LINE TO REMAIN. CONDUITS AND BRANCH CIRCUITS WITHIN BUILDING LINE TO BE DEMOLISHED. SEE E201 FOR NEW WORK. THE ESTIMATED NUMBER OF CIRCUITS IS TEN (10) 2-POLE CIRCUITS FED FROM EXISTING PANEL PK-1 WITH #6 PHASE CONDUCTORS AND ONE (1) GROUND CONDUCTOR. CONTRACTOR TO FIELD VERIFY EXACT PHASE AND GROUND CONDUCTOR QUANTITY AND SIZE AND NOTIFY ENGINEER WITH THIS INFORMATION PRIOR TO PROCEEDING WITH NEW WORK SHOWN ON E201.
- EXISTING GAZEBO WEST LOAD CENTER FEEDER CONDUIT FED FROM LP1A-26.28 (2P-100A). CONDUIT AND FEEDER OUTSIDE BUILDING LINE/DEMOLITION TO REMAIN. SEE E102 FOR GAZEBO LOCATION.



MEP:

Ross & Baruzzini

CIVIL:

ES&S
 Engineering Surveys and Services
 DELIVERING YOUR VISION™

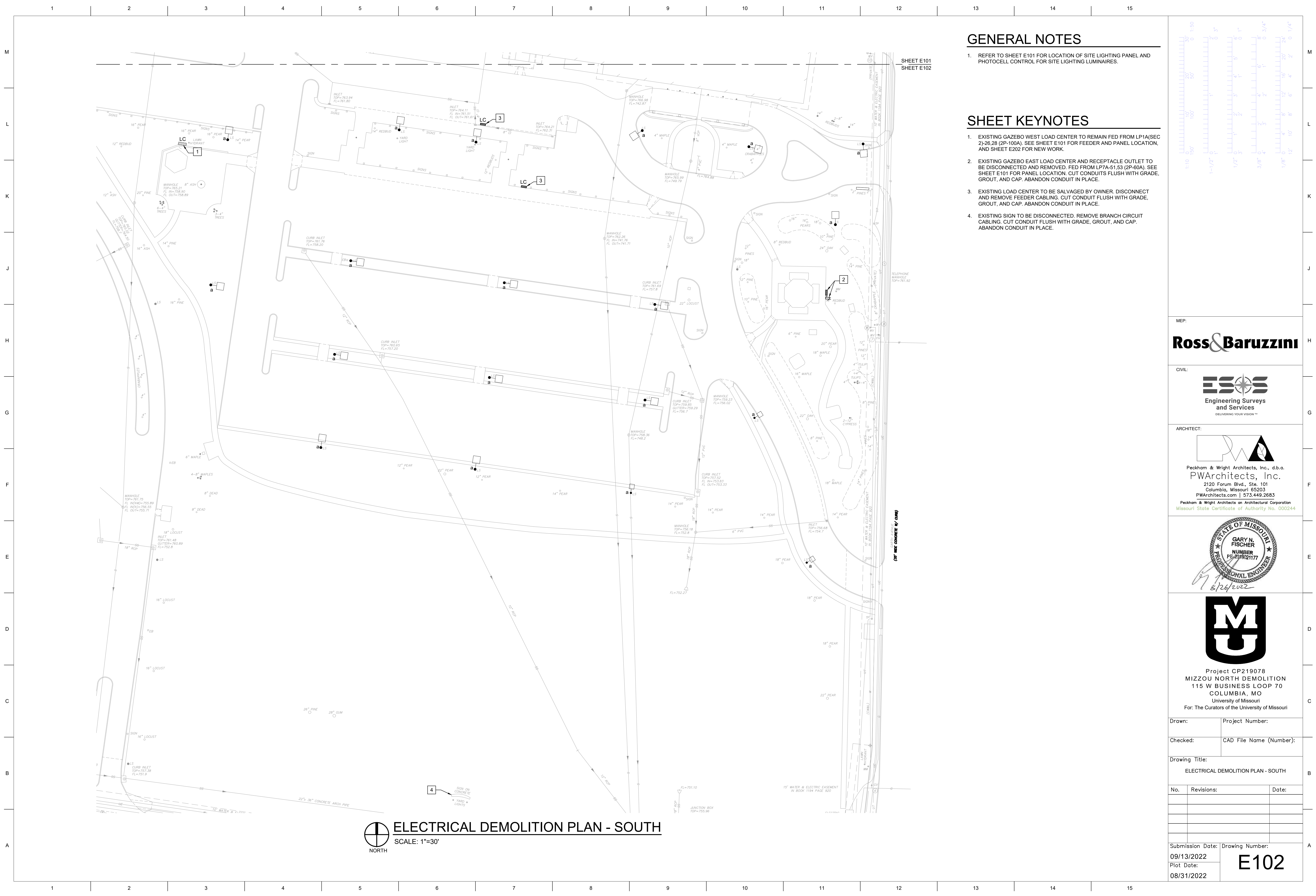
ARCHITECT:

Pekham & Wright Architects, Inc., d.b.a. PWArchitects, Inc.
 2120 Forum Blvd., Ste. 101
 Columbia, Missouri 65203
 PWArchitects.com | 573.449.2683
 Pekham & Wright Architects an Architectural Corporation
 Missouri State Certificate of Authority No. 000244



Project CP219078
 MIZZOU NORTH DEMOLITION
 115 W BUSINESS LOOP 70
 COLUMBIA, MO
 University of Missouri
 For: The Curators of the University of Missouri

Drawn:	Project Number:	
Checked:	CAD File Name (Number):	
Drawing Title: ELECTRICAL DEMOLITION PLAN - NORTH		
No.	Revisions:	Date:
Submission Date:	Drawing Number:	
09/13/2022	E101	
Plot Date:		
08/31/2022		

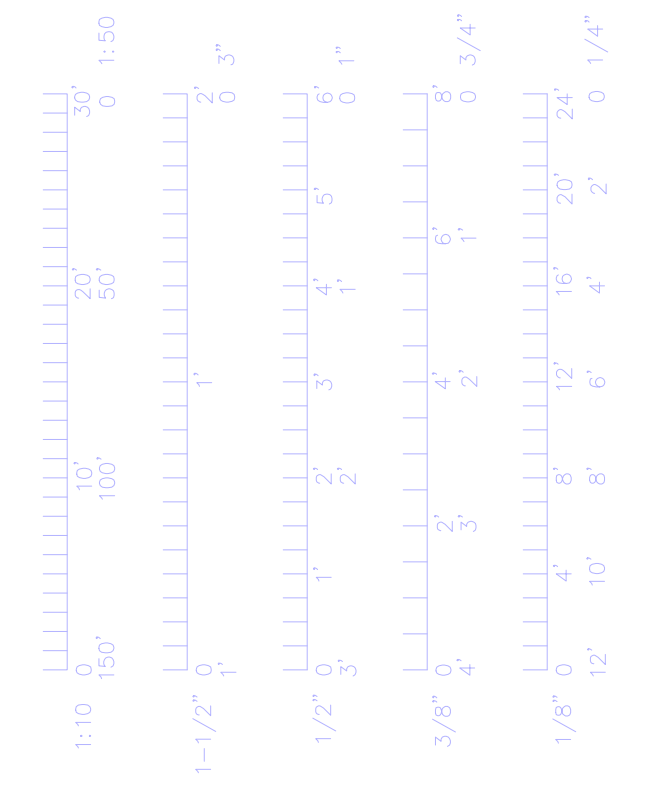


GENERAL NOTES

- REFER TO SHEET E101 FOR LOCATION OF SITE LIGHTING PANEL AND PHOTOCELL CONTROL FOR SITE LIGHTING LUMINAIRES.

SHEET KEYNOTES

- EXISTING GAZEBO WEST LOAD CENTER TO REMAIN FED FROM LP1A/SEC 2)-26.28 (2P-100A). SEE SHEET E101 FOR FEEDER AND PANEL LOCATION, AND SHEET E202 FOR NEW WORK.
- EXISTING GAZEBO EAST LOAD CENTER AND RECEPTACLE OUTLET TO BE DISCONNECTED AND REMOVED. FED FROM LP7A-51.53 (2P-60A). SEE SHEET E101 FOR PANEL LOCATION. CUT CONDUITS FLUSH WITH GRADE, GROUT, AND CAP. ABANDON CONDUIT IN PLACE.
- EXISTING LOAD CENTER TO BE SALVAGED BY OWNER. DISCONNECT AND REMOVE FEEDER CABLING. CUT CONDUIT FLUSH WITH GRADE, GROUT, AND CAP. ABANDON CONDUIT IN PLACE.
- EXISTING SIGN TO BE DISCONNECTED. REMOVE BRANCH CIRCUIT CABLING. CUT CONDUIT FLUSH WITH GRADE, GROUT, AND CAP. ABANDON CONDUIT IN PLACE.



MEP:
Ross & Baruzzini

CIVIL:
ES&S
 Engineering Surveys
 and Services
 DELIVERING YOUR VISION™

ARCHITECT:

 Peckham & Wright Architects, Inc., d.b.a.
PWArchitects, Inc.
 2120 Forum Blvd., Ste. 101
 Columbia, Missouri 65203
 PWArchitects.com | 573.449.2683
 Peckham & Wright Architects on Architectural Corporation
 Missouri State Certificate of Authority No. 000244



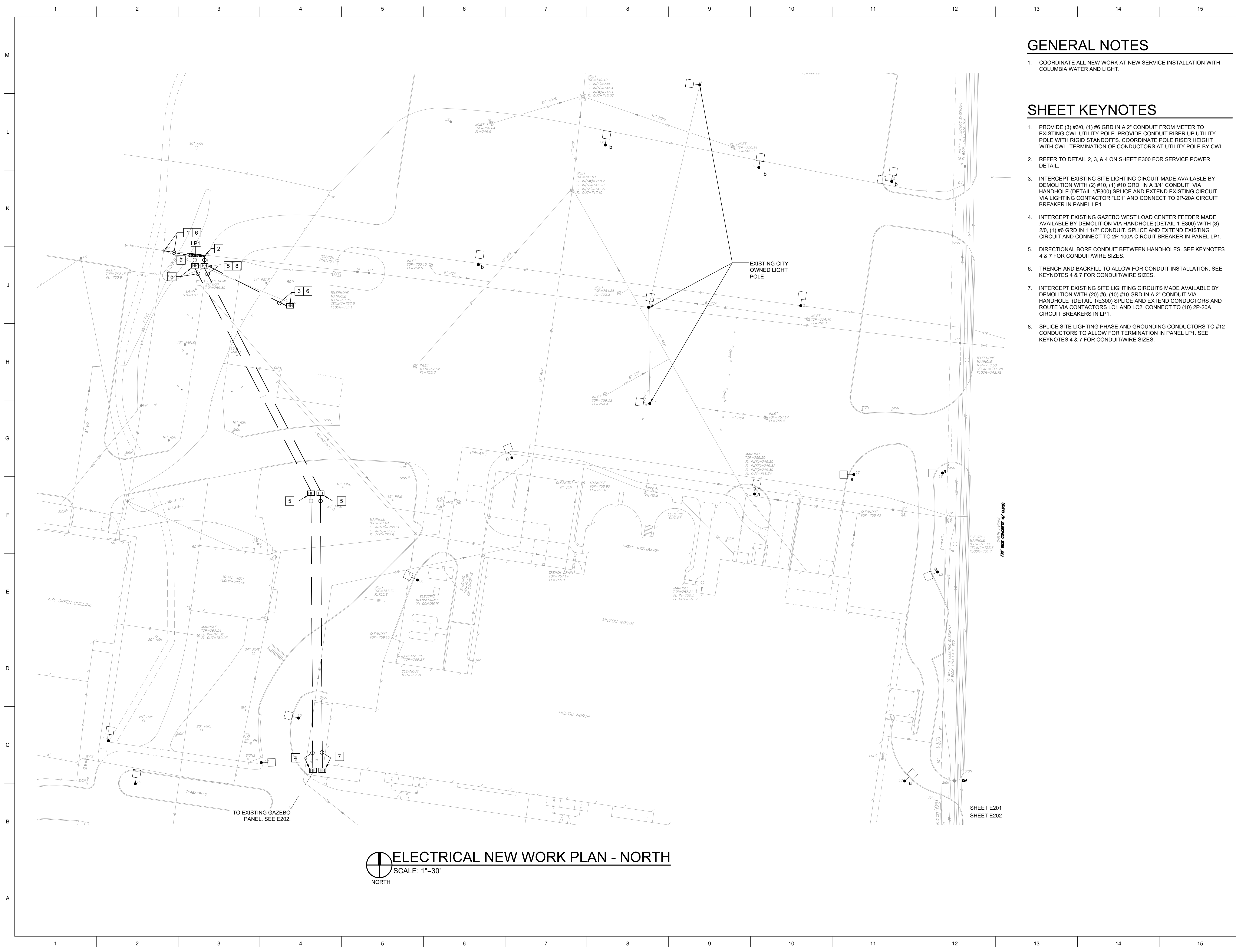
Project CP219078
 MIZZOU NORTH DEMOLITION
 115 W BUSINESS LOOP 70
 COLUMBIA, MO
 University of Missouri
 For: The Curators of the University of Missouri

Drawn: _____ Project Number: _____
 Checked: _____ CAD File Name (Number): _____

Drawing Title:
ELECTRICAL DEMOLITION PLAN - SOUTH

No.	Revisions:	Date:

Submission Date: 09/13/2022 Drawing Number:
 Plot Date: 08/31/2022 **E102**

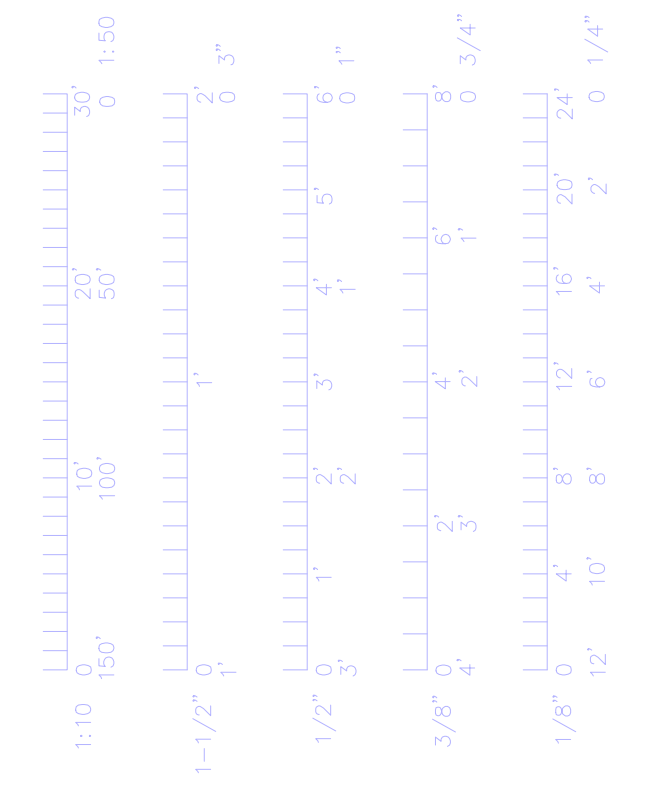


GENERAL NOTES

1. COORDINATE ALL NEW WORK AT NEW SERVICE INSTALLATION WITH COLUMBIA WATER AND LIGHT.

SHEET KEYNOTES

- PROVIDE (3) #3/0, (1) #6 GRD IN A 2" CONDUIT FROM METER TO EXISTING CWL UTILITY POLE. PROVIDE CONDUIT RISER UP UTILITY POLE WITH RIGID STANDOFFS. COORDINATE POLE RISER HEIGHT WITH CWL. TERMINATION OF CONDUCTORS AT UTILITY POLE BY CWL.
- REFER TO DETAIL 2, 3, & 4 ON SHEET E300 FOR SERVICE POWER DETAIL.
- INTERCEPT EXISTING SITE LIGHTING CIRCUIT MADE AVAILABLE BY DEMOLITION WITH (2) #10, (1) #10 GRD IN A 3/4" CONDUIT VIA HANDHOLE (DETAIL 1/E300) SPLICE AND EXTEND EXISTING CIRCUIT VIA LIGHTING CONTACTOR "LC1" AND CONNECT TO 2P-20A CIRCUIT BREAKER IN PANEL LP1.
- INTERCEPT EXISTING GAZEBO WEST LOAD CENTER FEEDER MADE AVAILABLE BY DEMOLITION VIA HANDHOLE (DETAIL 1-E300) WITH (3) 2/0, (1) #6 GRD IN 1 1/2" CONDUIT. SPLICE AND EXTEND EXISTING CIRCUIT AND CONNECT TO 2P-100A CIRCUIT BREAKER IN PANEL LP1.
- DIRECTIONAL BORE CONDUIT BETWEEN HANDHOLES. SEE KEYNOTES 4 & 7 FOR CONDUIT/WIRE SIZES.
- TRENCH AND BACKFILL TO ALLOW FOR CONDUIT INSTALLATION. SEE KEYNOTES 4 & 7 FOR CONDUIT/WIRE SIZES.
- INTERCEPT EXISTING SITE LIGHTING CIRCUITS MADE AVAILABLE BY DEMOLITION WITH (2) #6, (1) #10 GRD IN A 2" CONDUIT VIA HANDHOLE (DETAIL 1/E300) SPLICE AND EXTEND CONDUCTORS AND ROUTE VIA CONTACTORS LC1 AND LC2. CONNECT TO (10) 2P-20A CIRCUIT BREAKERS IN LP1.
- SPLICE SITE LIGHTING PHASE AND GROUNDING CONDUCTORS TO #12 CONDUCTORS TO ALLOW FOR TERMINATION IN PANEL LP1. SEE KEYNOTES 4 & 7 FOR CONDUIT/WIRE SIZES.



MEP:

Ross & Baruzzini

CIVIL:

ES&S
Engineering Surveys and Services
DELIVERING YOUR VISION™

ARCHITECT:

PWArchitects, Inc.
2120 Forum Blvd., Ste. 101
Columbia, Missouri 65203
PWArchitects.com | 573.449.2683
Peckham & Wright Architects an Architectural Corporation
Missouri State Certificate of Authority No. 000244

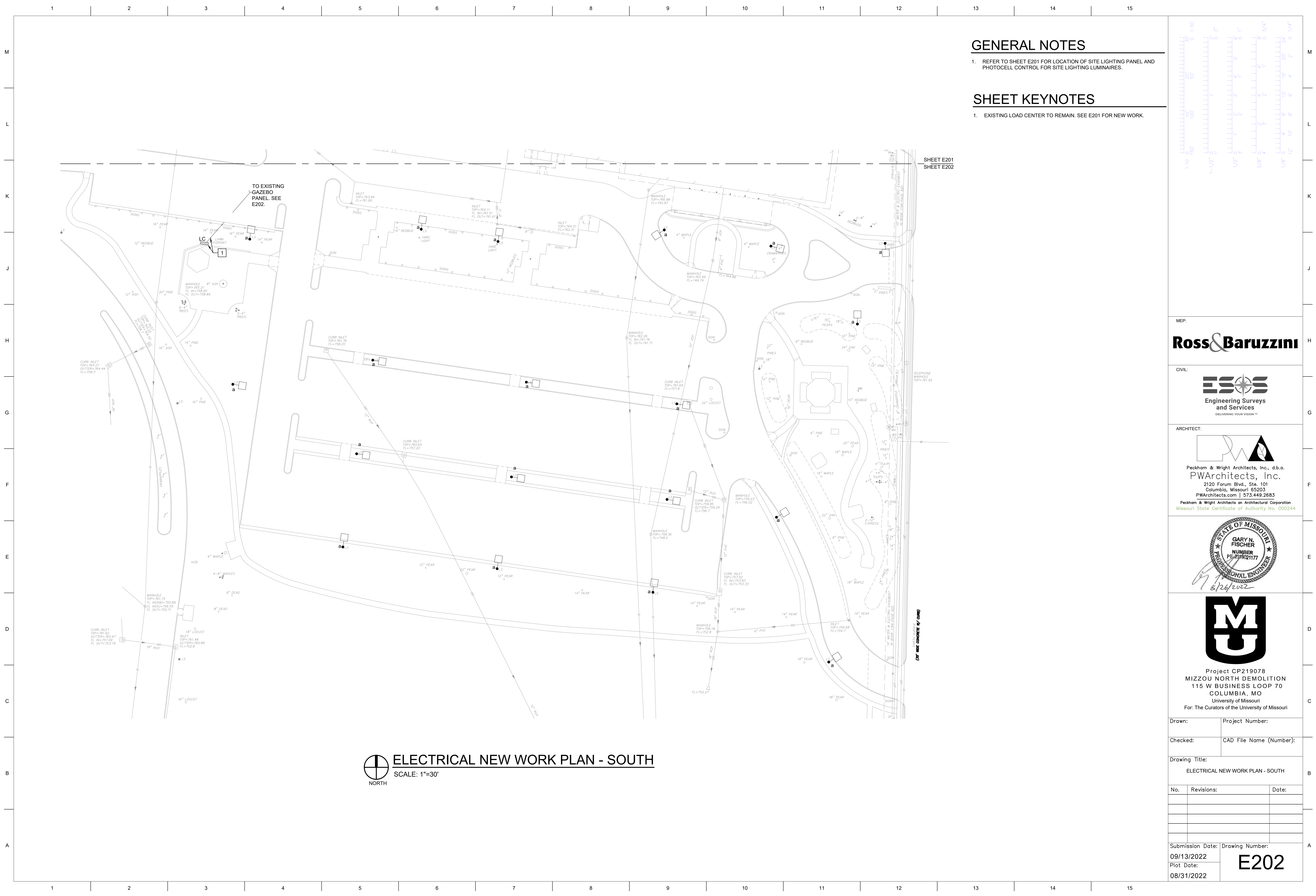


Project CP219078
 MIZZOU NORTH DEMOLITION
 115 W BUSINESS LOOP 70
 COLUMBIA, MO
 University of Missouri
 For: The Curators of the University of Missouri

Drawn:	Project Number:	
Checked:	CAD File Name (Number):	
Drawing Title: ELECTRICAL NEW WORK PLAN - NORTH		
No.	Revisions:	Date:
Submission Date:	Drawing Number:	
09/13/2022	E201	
Plot Date:		
08/31/2022		

ELECTRICAL NEW WORK PLAN - NORTH
 SCALE: 1"=30'
 NORTH

SHEET E201
 SHEET E202

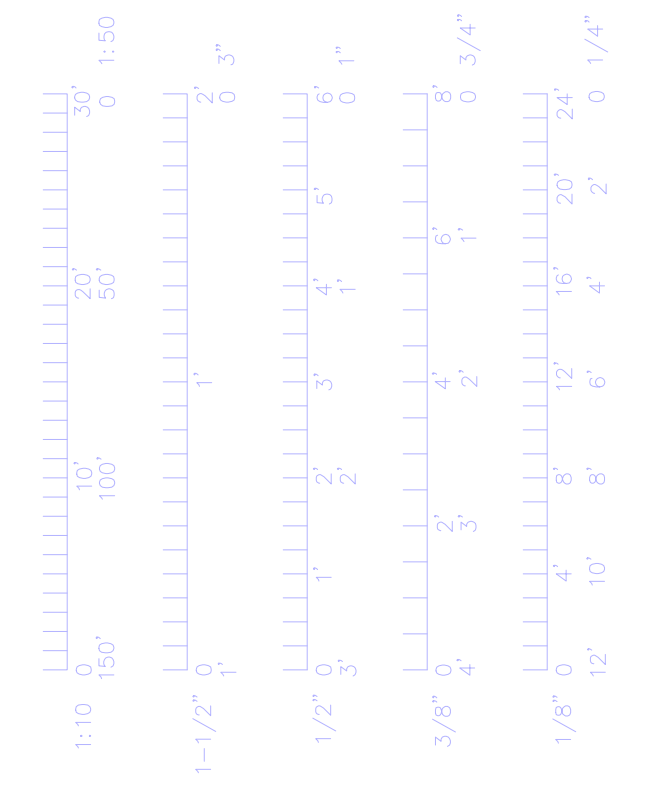


GENERAL NOTES

1. REFER TO SHEET E201 FOR LOCATION OF SITE LIGHTING PANEL AND PHOTOCELL CONTROL FOR SITE LIGHTING LUMINAIRES.

SHEET KEYNOTES

1. EXISTING LOAD CENTER TO REMAIN. SEE E201 FOR NEW WORK.



SHEET E201
SHEET E202

MEP:
Ross & Baruzzini

CIVIL:
ES&S
Engineering Surveys
and Services
DELIVERING YOUR VISION™

ARCHITECT:
Peckham & Wright Architects, Inc., d.b.a. PWA
2120 Forum Blvd., Ste. 101
Columbia, Missouri 65203
PWAarchitects.com | 573.449.2683
Peckham & Wright Architects on Architectural Corporation
Missouri State Certificate of Authority No. 000244



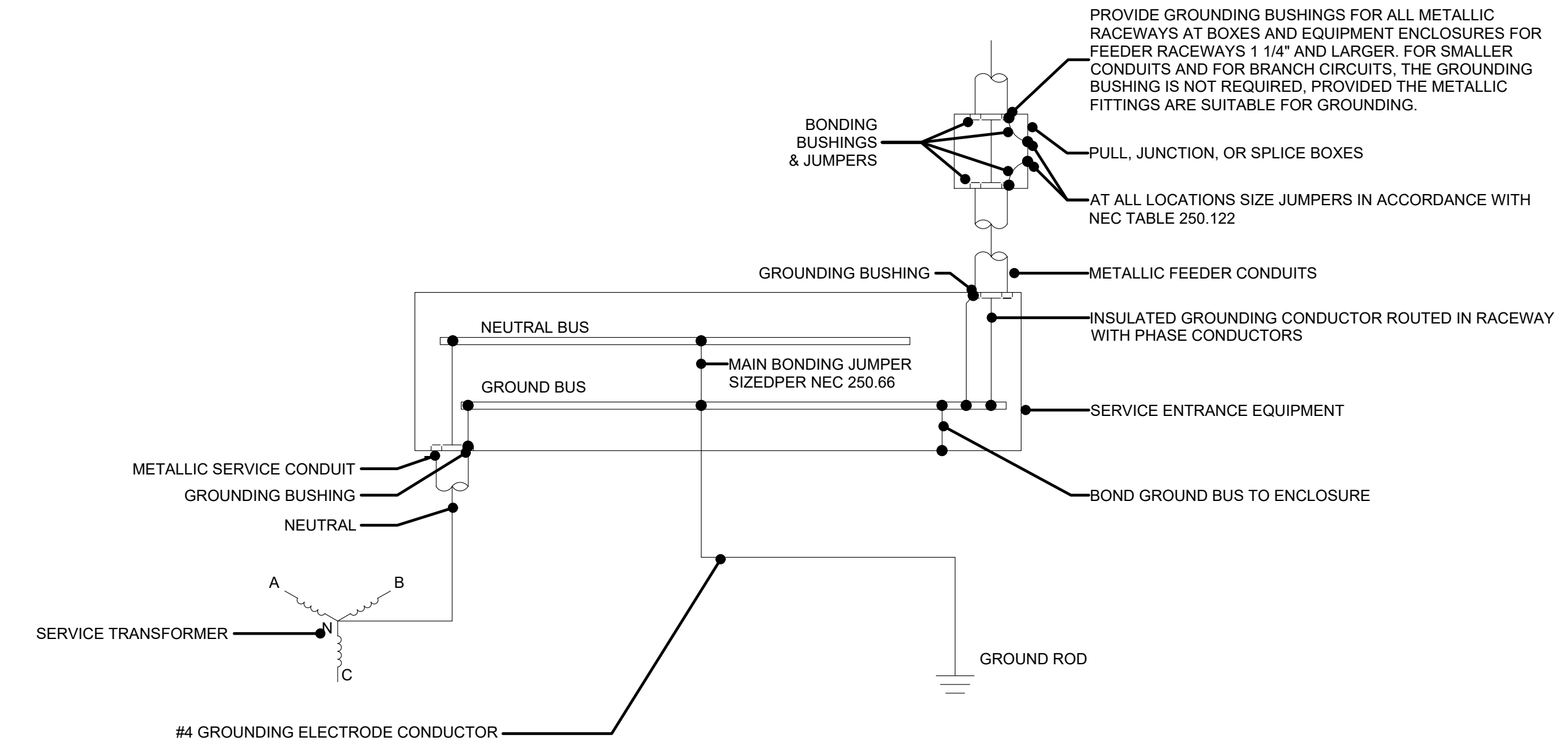
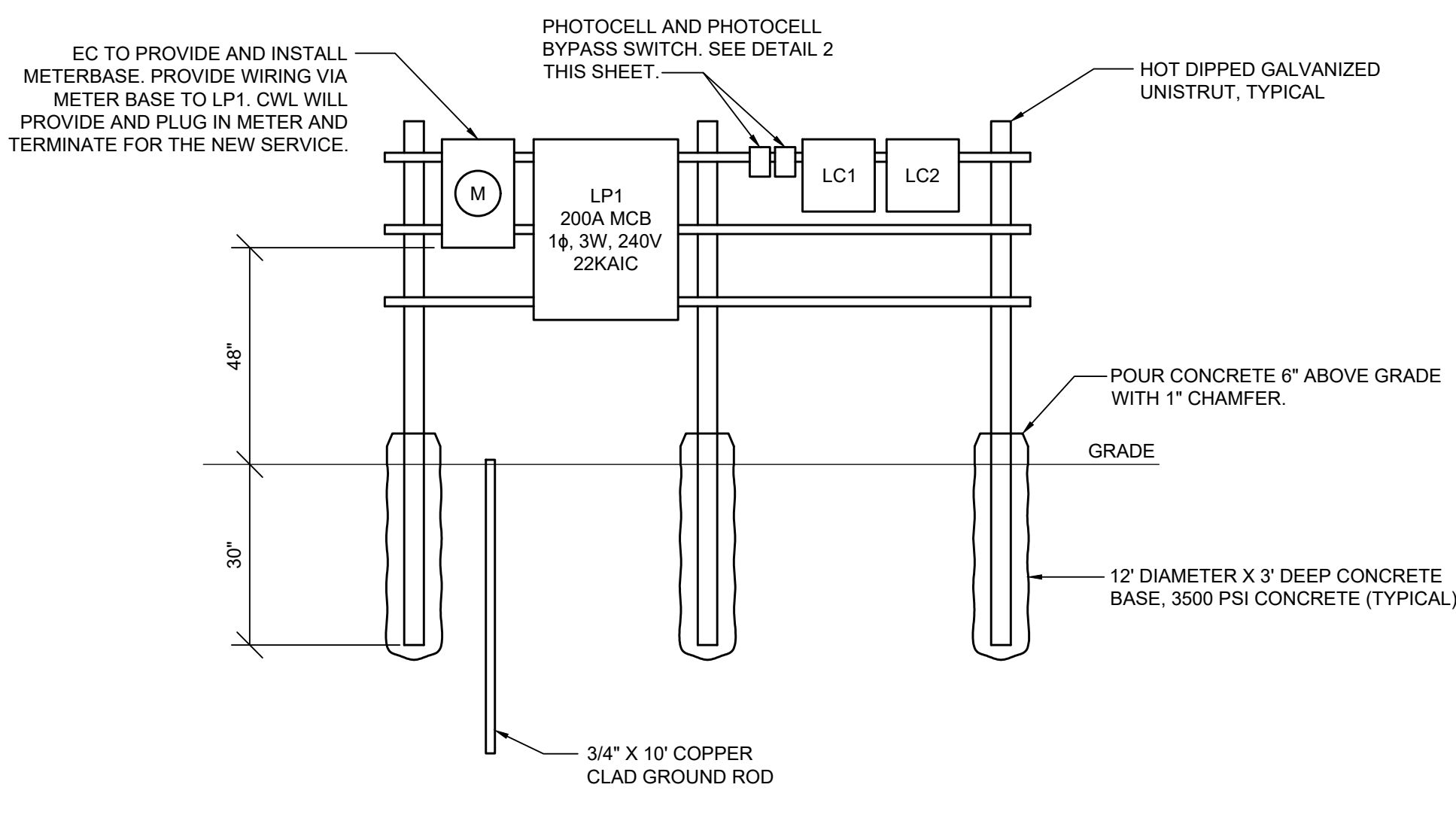
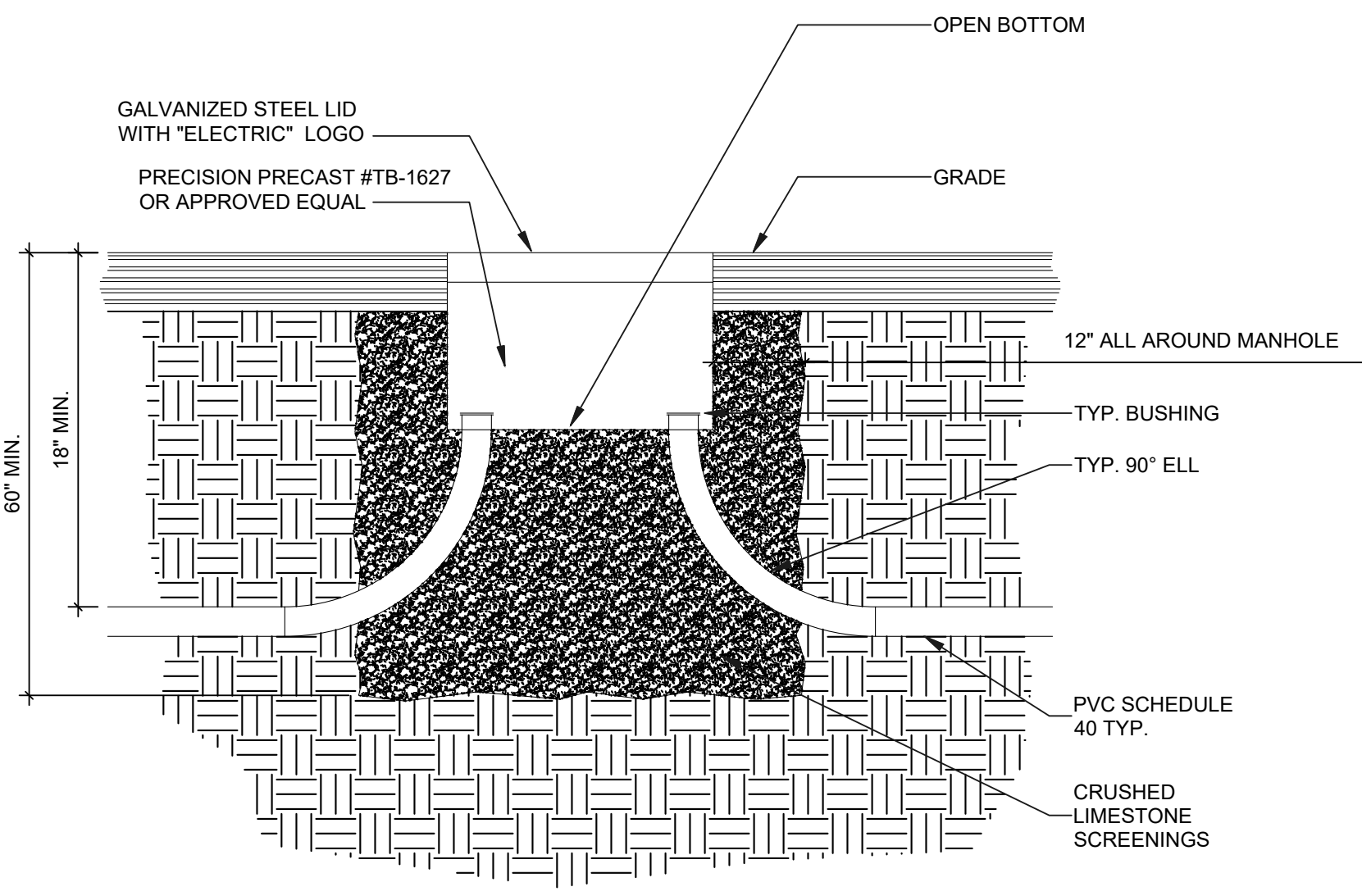
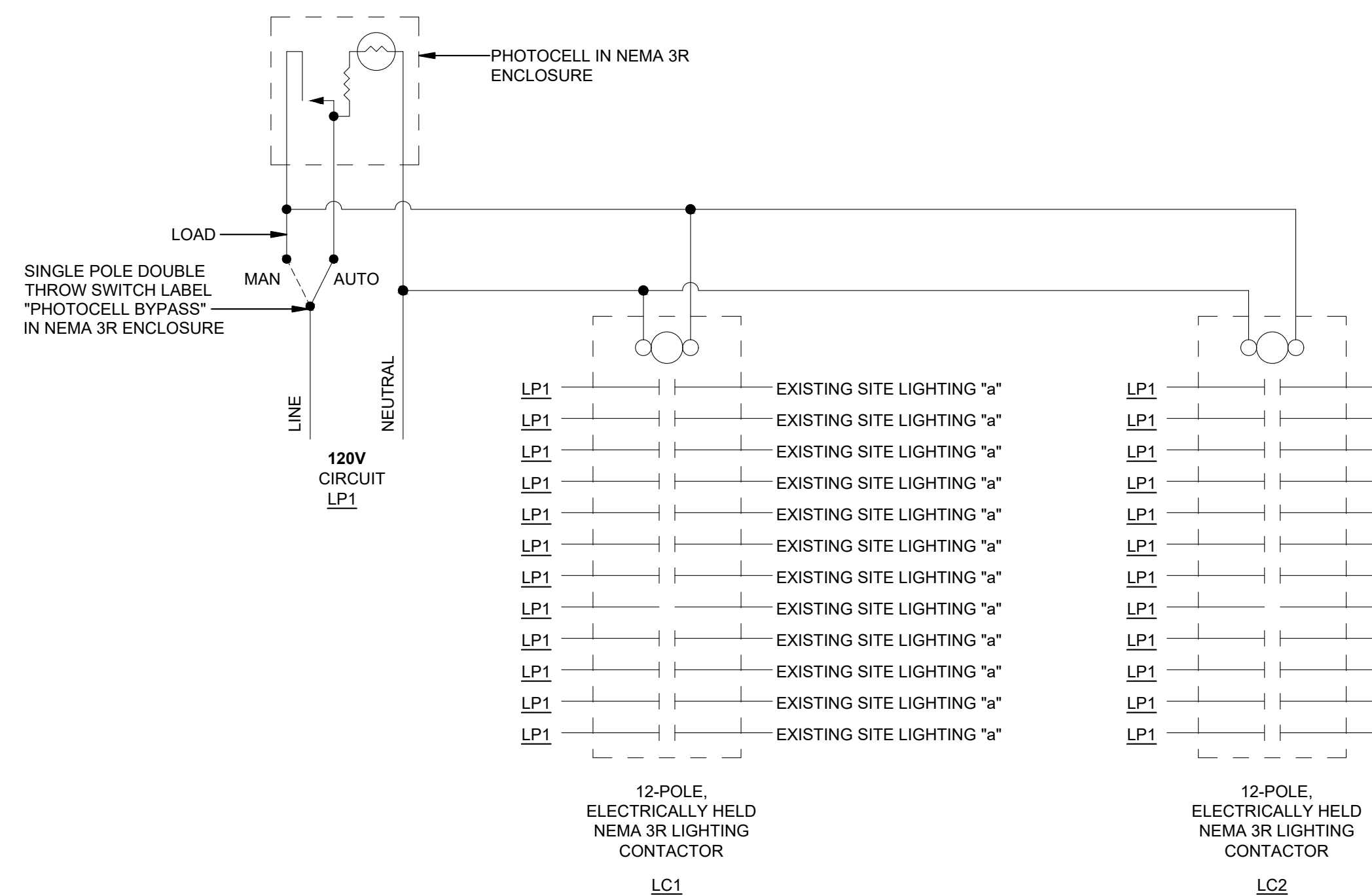
Project CP219078
MIZZOU NORTH DEMOLITION
115 W BUSINESS LOOP 70
COLUMBIA, MO
University of Missouri
For: The Curators of the University of Missouri

Drawn: _____ Project Number: _____
Checked: _____ CAD File Name (Number): _____

Drawing Title:
ELECTRICAL NEW WORK PLAN - SOUTH

No.	Revisions:	Date:

Submission Date: 09/13/2022 Drawing Number: **E202**
Plot Date: 08/31/2022



Branch Panel: LP1

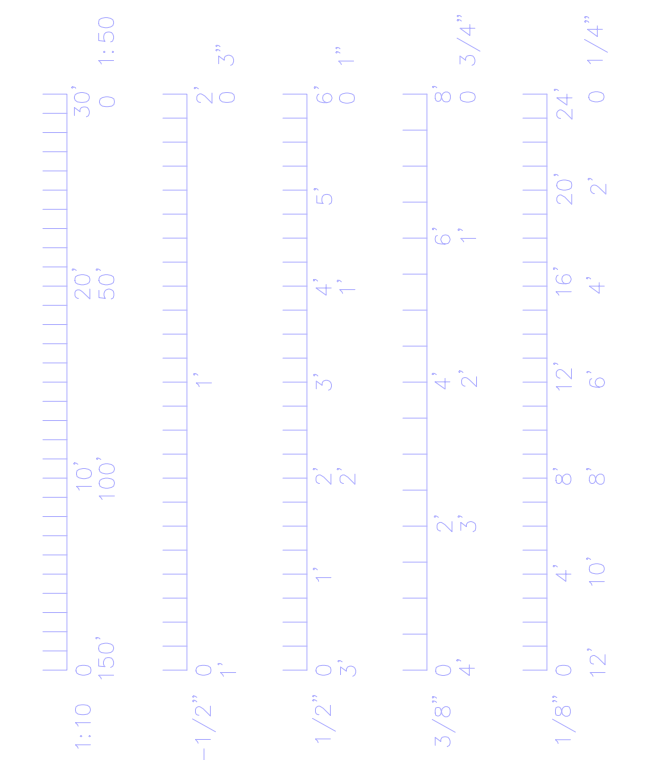
Location: See Sheet E201
Supply From: M
Mounting: Surface
Enclosure: NEMA 3R

Volts: 120/240V/1PH/3W
Phases: 1
Wires: 3

A.I.C. Rating: 22kAIC
Mains Type:
Mains Rating: 200 A
MCB Rating: 200 A

CKT	Circuit Description	Trip	Poles	Load	Poles	Trip	Circuit Description	CKT	
1	LC1, LC2 CONTROL CIRCUIT	20 A	1	5	400	2	EXISTING SITE LIGHTING "b"	2	
3	EXISTING SITE LIGHTING "a"	20 A	2	300				4	
5	EXISTING SITE LIGHTING "a"	20 A	2	300	6120	2	EXISTING GAZEBO WEST PANEL	6	
7	EXISTING SITE LIGHTING "a"	20 A	2	300				8	
9	EXISTING SITE LIGHTING "a"	20 A	2	300				10	
11	EXISTING SITE LIGHTING "a"	20 A	2	300				12	
13	EXISTING SITE LIGHTING "a"	20 A	2	300				14	
15	EXISTING SITE LIGHTING "a"	20 A	2	300				16	
17	EXISTING SITE LIGHTING "a"	20 A	2	300				18	
19	EXISTING SITE LIGHTING "a"	20 A	2	300				20	
21	EXISTING SITE LIGHTING "a"	20 A	2	300				22	
23	EXISTING SITE LIGHTING "a"	20 A	2	300				24	
25	EXISTING SITE LIGHTING "a"	20 A	2	300				26	
27	EXISTING SITE LIGHTING "a"	20 A	2	300				28	
29	EXISTING SITE LIGHTING "a"	20 A	2	300				30	
31	EXISTING SITE LIGHTING "a"	20 A	2	300				32	
33	EXISTING SITE LIGHTING "a"	20 A	2	300				34	
35	EXISTING SITE LIGHTING "a"	20 A	2	300				36	
37	EXISTING SITE LIGHTING "a"	20 A	2	300				38	
39	EXISTING SITE LIGHTING "a"	20 A	2	400				40	
41	EXISTING SITE LIGHTING "a"	20 A	2	400				42	
				Total Load (VA)			9625 VA		
				Total Amps:			40 A		

- GENERAL NOTES:**
- DO NOT BOND TO OR USE ANY UNDERGROUND ALUMINUM.
 - ALL REFERENCES TO NEC ARE TO THE LATEST VERSION, UNLESS OTHERWISE NOTED.
 - ALL CONNECTIONS OF GROUNDING ELECTRODE CONDUCTORS TO GROUNDING ELECTRODES SHALL BE MADE VIA EXOTHERMIC WELD.



MEP:

Ross & Baruzzini

CIVIL:

ES&S
Engineering Surveys and Services
DELIVERING YOUR VISION™

ARCHITECT:

Peckham & Wright Architects, Inc., d.b.a.
PWArchitects, Inc.
2120 Forum Blvd., Ste. 101
Columbia, Missouri 65203
PWArchitects.com | 573.449.2683
Peckham & Wright Architects on Architectural Corporation
Missouri State Certificate of Authority No. 000244



Project CP219078
MIZZOU NORTH DEMOLITION
115 W BUSINESS LOOP 70
COLUMBIA, MO
University of Missouri
For: The Curators of the University of Missouri

Drawn: _____ Project Number: _____

Checked: _____ CAD File Name (Number): _____

Drawing Title:
ELECTRICAL DETAILS

No.	Revisions:	Date:

Submission Date: 09/13/2022
Plot Date: 08/31/2022
Drawing Number: **E300**