

# VETERINARY SCIENCE BUILDING DEMOLITION

1509 ROLLINS STREET  
COLUMBIA, MO

Project CP233041  
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

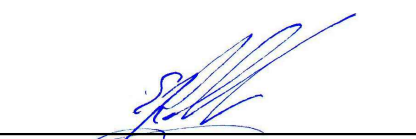
MEP ENGINEER



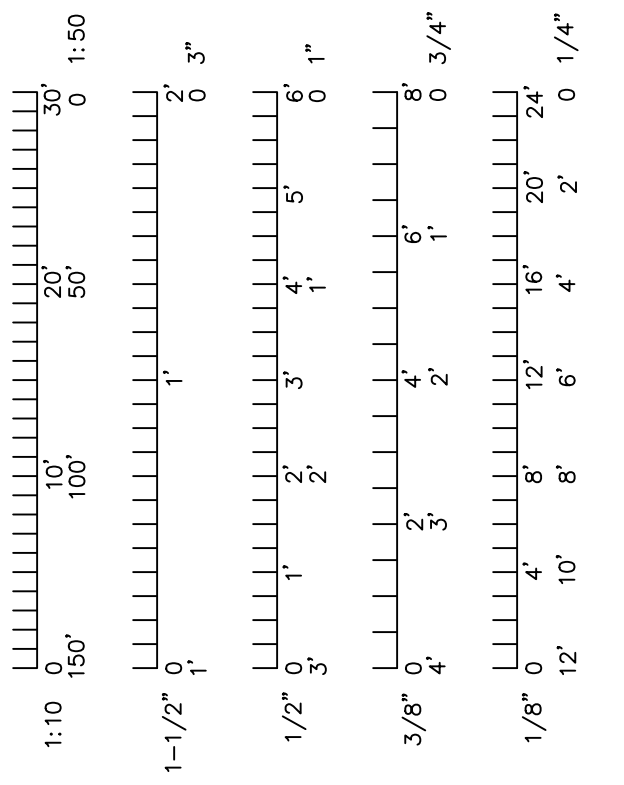
6 SOUTH OLD ORCHARD  
ST. LOUIS, MISSOURI 63119  
OFFICE: 1.800.404.7877  
WWW.INTROBA.COM

Issued for  
BID:  
July 12, 2024

"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: 07/12/2024



MEP:



CIVIL:

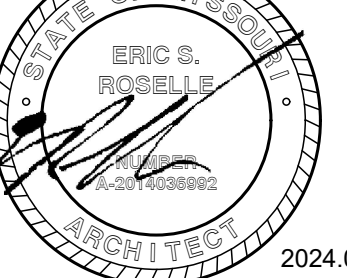


Engineering Surveys  
and Services  
DELIVERING YOUR VISION™

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 CP233041  
VETERINARY SCIENCE  
BUILDING DEMOLITION  
1509 ROLLINS ST.  
COLUMBIA, MO  
University of Missouri  
For: The Curators of the University of Missouri

Drawn:	Project Number:
ER	202403
Checked:	CAD File Name (Number):
ER	G001.DWG

Drawing Title:  
COVER SHEET

No.	Revisions:	Date:

Submission Date:	Drawing Number:
07/12/2024	G001
Plot Date:	
07/02/2024	

**SPECIAL INSPECTIONS (IBC 1704):**

THE FOLLOWING ITEMS REQUIRE SPECIAL INSPECTION:

- CONCRETE GROUT DESIGN MIX
  - PERIODIC
  - SEE ALSO SHEET ME7.01
- PLACING OF CONCRETE AND REINFORCING STEEL
  - CONTINUOUS FOR CONCRETE SAMPLING
  - PERIODIC FOR REINFORCING
  - SEE ALSO SHEET ME7.01
- BOLTS AND ANCHORS EMBEDDED IN CONCRETE
  - PERIODIC
  - SEE ALSO SHEET ME7.01

REQUEST SPECIAL INSPECTION OF THE ITEMS LISTED ABOVE PRIOR TO CONCEALING THE WORK DUE TO CONSTRUCTION PROGRESS.

**SPECIAL SCHEDULING REQUIREMENTS:**

- CONTRACTOR MAY NOT MOBILIZE ON-SITE UNTIL AFTER SEPTEMBER 16, 2024.

**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
- NATIONAL ELECTRIC CODE/NFPA 70 - 2020
- NFPA 150 FIRE AND LIFE SAFETY IN ANIMAL HOUSING FACILITIES CODE - 2019
- 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 - 2020
- 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

**EXISTING SURVEY (INCLUDED FOR REFERENCE ONLY)**

- V1.01 BOUNDARY & TOPOGRAPHIC SURVEY
- V1.02 BOUNDARY & TOPOGRAPHIC SURVEY

**DEMOLITION**

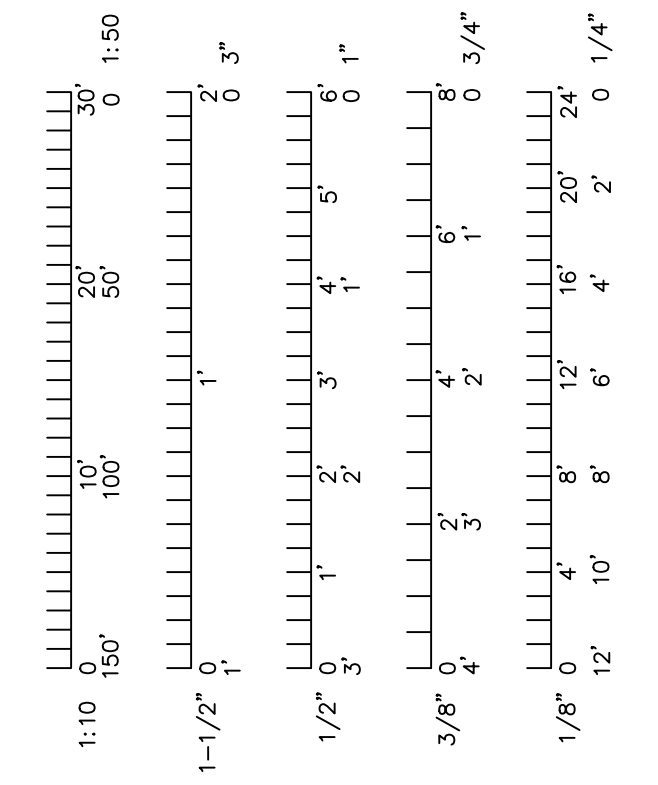
- D101 BUILDING DEMOLITION, STAGING, & SALVAGE PLAN

**CIVIL**

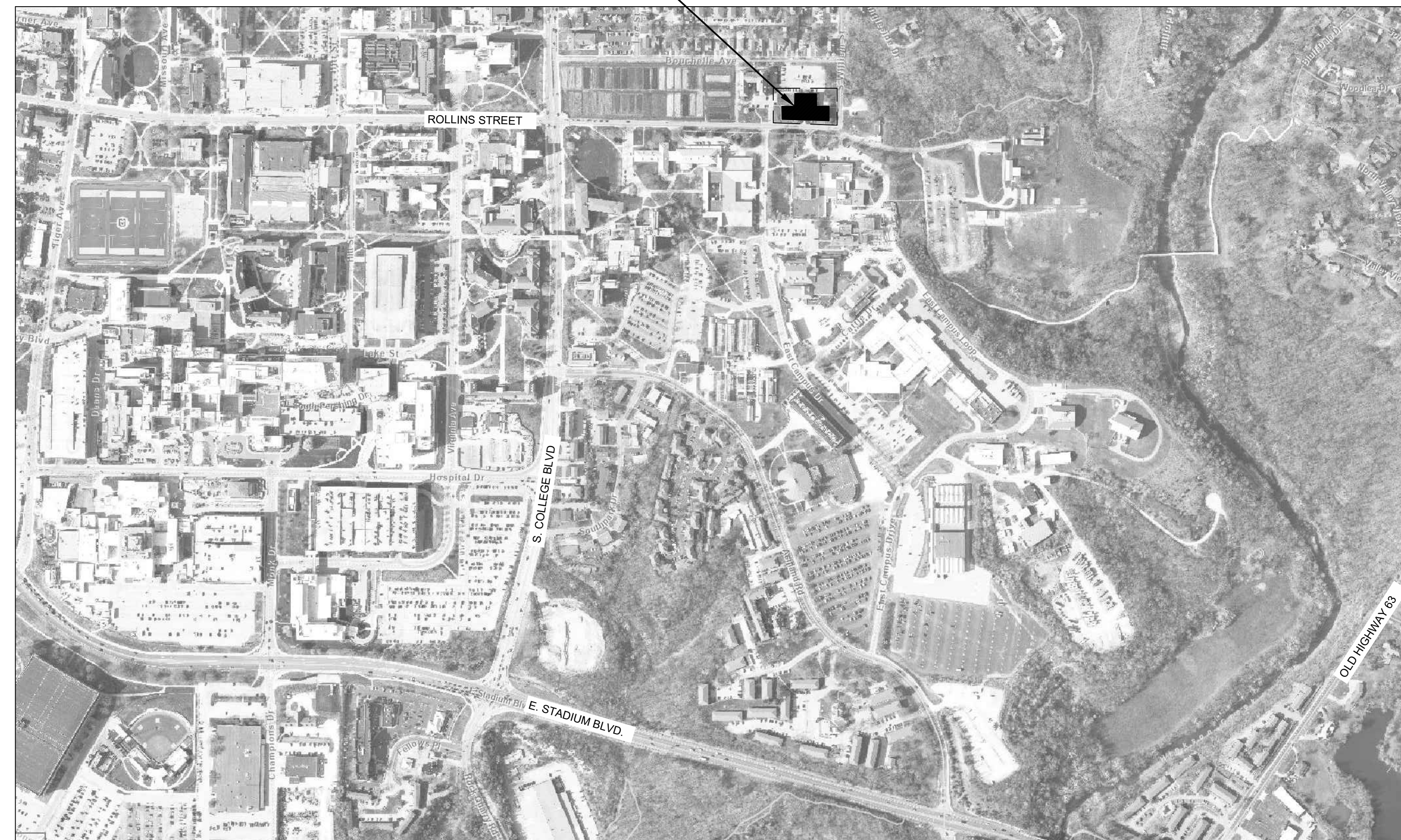
- C0.01 GENERAL NOTES
- C1.01 TEMPORARY TRAFFIC CONTROL PLAN
- C2.01 EROSION CONTROL PLAN
- C3.01 SITE DEMOLITION PLAN
- C3.02 UTILITY DEMOLITION PLAN
- C4.01 SITE PLAN
- C5.01 GRADING & DRAINAGE PLAN
- C6.01 UTILITY PLAN
- C7.01 SITE, EROSION CONTROL, & STORM SEWER DETAILS

**ELECTRICAL**

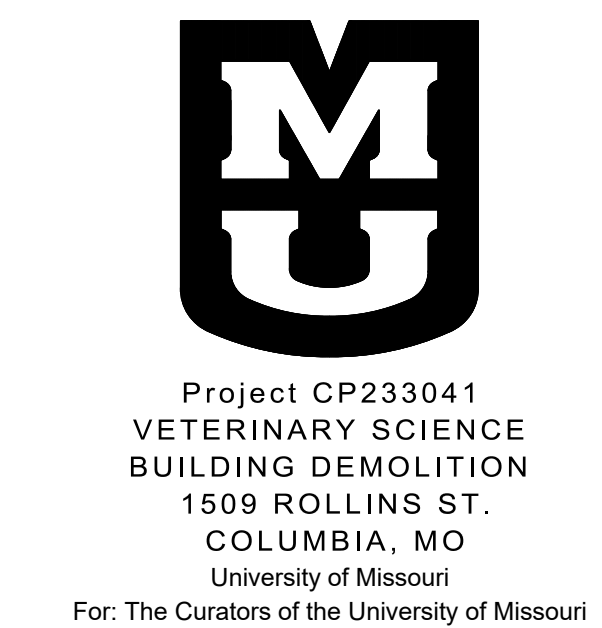
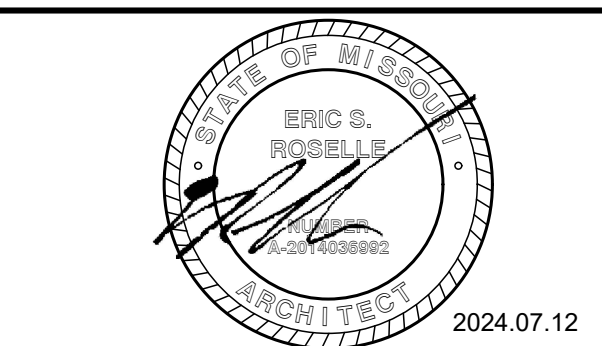
- ME0.01 MECHANICAL/ELECTRICAL SYMBOLS, ABBREVIATIONS, AND SCHEDULE
- ME3.01 MECHANICAL/ELECTRICAL DEMOLITION PLAN
- E4.01 SITE LIGHTING PLAN
- ME7.01 MECHANICAL/ELECTRICAL DETAILS



PROJECT SITE:  
VETERINARY SCIENCE BUILDING  
1509 ROLLINS STREET  
COLUMBIA, MO.



**A7** LOCATION MAP  
SCALE: N.T.S.



Drawn:	Project Number:
ER	202403
Checked:	CAD File Name (Number):
ER	G002.DWG

Drawing Title:  
**LOCATION MAP, LIST OF DRAWINGS, CODES**

No.	Revisions:	Date:

Submission Date:	Drawing Number:
07/12/2024	<b>G002</b>
Plot Date:	
07/12/2024	

# VETERINARY SCIENCE BUILDING DEMOLITION

COLUMBIA, BOONE COUNTY, MISSOURI  
 UNIVERSITY OF MISSOURI PROJECT #CP233041/#CP246231  
 FEBRUARY 29, 2024  
 REVISED: MAY 17, 2024

Included  
 for  
 Reference  
 Only



### UTILITY NOTES

ALL UTILITIES ARE UNIVERSITY OF MISSOURI, EXCEPT AS NOTED BELOW. THE LOCATIONS, SIZES, AND MATERIAL TYPES OF UNDERGROUND UTILITIES INDICATED ON THE PLAN, 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 NOT SHOWN. UNDERGROUND ELECTRIC TO LIGHT STANDARDS NOT SHOWN.

#### UNIVERSITY OF MISSOURI

ENERGY MANAGEMENT OFFICE  
 417 SOUTH FIFTH STREET  
 COLUMBIA, MISSOURI 65211  
 CONTACT: 573-882-3094  
 ELECTRIC, TELECOMMUNICATIONS, STEAM, WATER,  
 CHILLED WATER, SANITARY SEWER, STORM SEWER

#### TELECOMMUNICATIONS

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

#### WATER

CITY OF COLUMBIA WATER & LIGHT DEPARTMENT  
 P.O. BOX 6015  
 COLUMBIA, MISSOURI 65205  
 CONTACT: JOE STRODTMAN 573-874-6308

#### SANITARY SEWER

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

#### ELECTRIC

CITY OF COLUMBIA WATER & LIGHT DEPARTMENT  
 P.O. BOX 6015  
 COLUMBIA, MISSOURI 65205  
 CONTACT: JOHN BLAKEMORE 573-874-7313  
 AS SHOWN

#### STORM SEWER

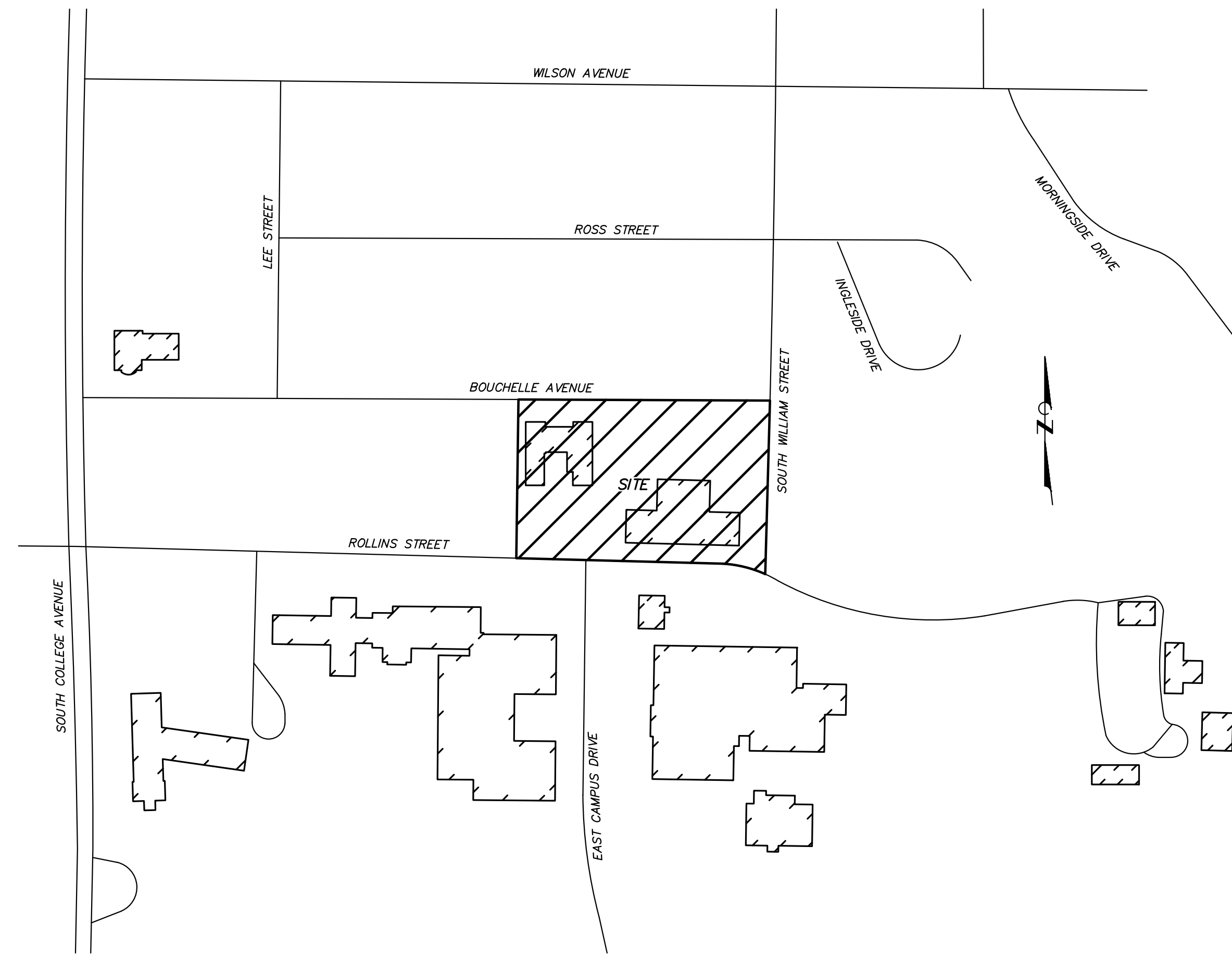
CITY OF COLUMBIA UTILITIES DEPARTMENT  
 P.O. BOX 6015  
 COLUMBIA, MISSOURI 65205  
 CONTACT: TOM WELLMAN 573-874-7250  
 AS SHOWN

#### GAS

AMEREN MISSOURI  
 2001 MAGUIRE BOULEVARD  
 COLUMBIA, MISSOURI 65201  
 TRENT SNOODGRASS 573-876-3063

### LEGEND

—E—	PROPERTY LINE
—T—	ELECTRIC LINE
—FO—	TELECOMMUNICATIONS LINE
—UE—	FIBER OPTIC LINE
—UT—	UNDERGROUND ELECTRIC LINE
—S—	UNDERGROUND TELECOMMUNICATIONS LINE
—SS—	SANITARY SEWER LINE
—ST—	STORM SEWER LINE
—G—	STEAM LINE
—W—	GAS LINE
—CW—	WATER LINE
—X—	CHILLED WATER LINE
---	FENCE
---	EXISTING CONTOUR
---	ANCHOR
△CP#	CONTROL POINT
A/C	AIR CONDITIONER
CI	CAST IRON PIPE
EM	ELECTRIC METER
EPB	ELECTRIC PULLBOX
ET	ELECTRIC TRANSFORMER
FH	FIRE HYDRANT
FL	FLOW LINE
GM	GAS METER
GV	GAS VALVE
LS	LIGHT STANDARD
PVI	POST INDICATOR VALVE
PVC	POLYVINYL CHLORIDE PIPE
RID	RECORDS INDICATE
TP	TELECOMMUNICATIONS PEDESTAL
TPB	TELECOMMUNICATIONS PULLBOX
TW	TOP OF WALL
UP	UTILITY POLE
URD	UNDERGROUND ROOF DRAIN
VCP	VITRIFIED CLAY PIPE
WM	WATER METER
WV	WATER VALVE
WSC	WATER SPRINKLER CONNECTION



### VICINITY MAP

NOT TO SCALE

### SURVEY CONTROL POINTS

MODIFIED STATE PLANE COORDINATES NAD 83, MISSOURI CENTRAL ZONE, NAVD 88, U.S. SURVEY FEET				
POINT #	NORTH	EAST	ELEVATION	DESCRIPTION
CP3	1131972.40	1692007.37	759.01	BRASS DISK
CP5	1132006.82	1691891.28	762.56	IRON
CP6	1132230.10	1691892.01	764.76	IRON
CP7	1132236.83	1692102.13	756.35	IRON
CP8	1132230.18	1692370.20	743.78	IRON
CP9	1131880.07	1692422.10	739.17	IRON

### BENCH MARK

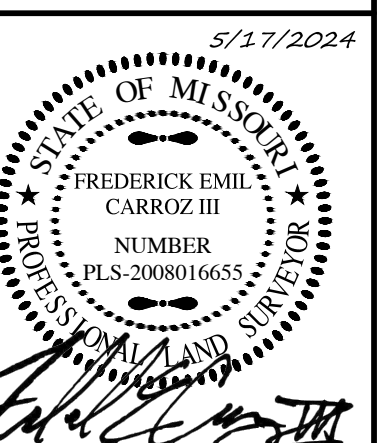
- BM - NGS BRASS PLATE STAMPED "UNIVERSITY OF MISSOURI RESET, 2005" IN A CONCRETE HEADWALL FOR A SPOTLIGHT LOCATED 30 FEET WEST OF THE WEST COLUMN IN THE FRANCIS QUADRANGLE.  
 ELEVATION = 743.60
- TBM 1 - UNIVERSITY OF MISSOURI CONTROL MONUMENT "CP013", BRASS DISK IN CONCRETE LOCATED AT SOUTHEAST CORNER OF STEAM MANHOLE LOCATED 13 FEET NORTH OF ROLLINS STREET AND 144 FEET SOUTHWEST OF SOUTHWEST CORNER OF JOHN W. CONNORWAY HALL BUILDING.  
 ELEVATION = 759.01
- TBM 2 - CHISELED SQUARE ON NORTH EDGE OF CONCRETE BASE OF SIGN LOCATED 3 FEET SOUTH OF BACK OF CURB CONCRETE OF SOUTH EDGE OF BOUCHELLE AVENUE AND 12 FEET WEST OF BACK OF CURB CONCRETE OF WEST EDGE OF SOUTH WILLIAM STREET.  
 ELEVATION = 744.54

### RIGHT-OF-WAY NOTES

- THERE IS NO DEDICATED RIGHT-OF-WAY FOR THE NORTH LINE OF ROLLINS STREET. THE RIGHT-OF-WAY SHOWN IS A 30 FOOT HALF WIDTH BASED ON THE EXISTING ROADWAY, IN ACCORDANCE WITH STREET WIDTH FOR A NEIGHBORHOOD COLLECTOR PER CITY OF COLUMBIA UNIFIED DEVELOPMENT CODE.
- THE 30 FOOT RADIUS AT THE NORTHWEST CORNER OF ROLLINS STREET AND WILLIAM STREET IS SHOWN PER THE CITY OF COLUMBIA UNIFIED DEVELOPMENT CODE.

NOTES:  
 1. ACCURATE ELEVATIONS HAVE BEEN SURVEYED AS SHOWN. CONTOURS SHOWN ARE INTERPOLATED BASED ON THESE ELEVATIONS.

UNIVERSITY OF MISSOURI  
 VETERINARY SCIENCE BUILDING  
 DEMOLITION  
 UNIVERSITY OF MISSOURI PROJECT #CP233041/#CP246231  
 COLUMBIA, BOONE COUNTY, MISSOURI



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

FEBRUARY 29, 2024

Revised

MAY 17, 2024

Surveyed: RL Drawn: EF

TOPOGRAPHIC SURVEY

Sheet

V1.01

1 of 2

ES&S PROJECT NO. 16137

Included  
for  
Reference  
Only

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.es-inc.com  
MO Land Surveying Corp. # 2004004672

UNIVERSITY OF MISSOURI  
VETERINARY SCIENCE BUILDING  
DEMOLITION  
UNIVERSITY OF MISSOURI PROJECT #CP233041#CP246231  
COLUMBIA, BOONE COUNTY, MISSOURI

5/17/2024  
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  
**FEBRUARY 29, 2024**

Revised  
MAY 17, 2024

Surveyed: RL Drawn: EF

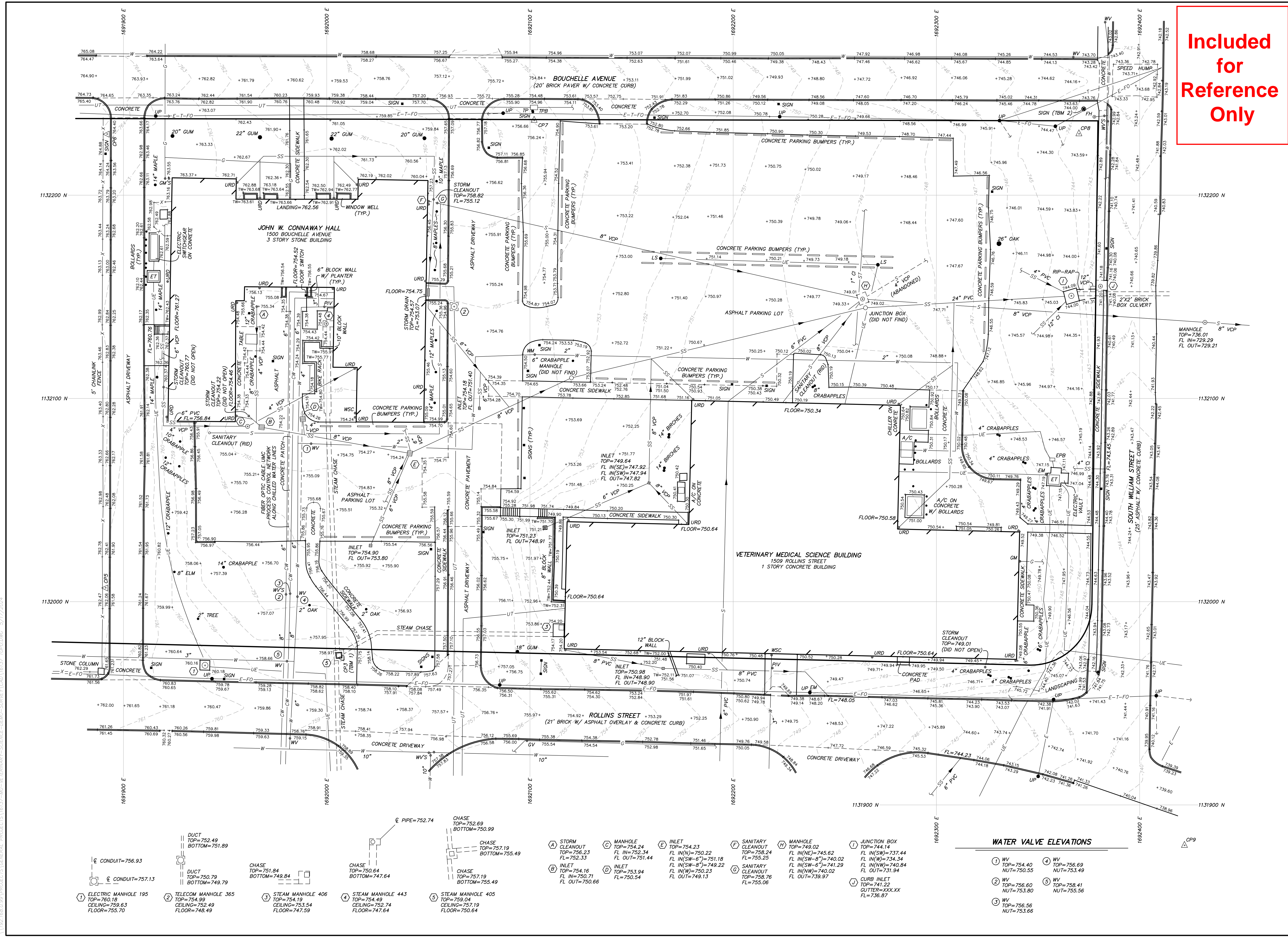
TOPOGRAPHIC SURVEY

Sheet

V1.02

2 of 2

ES&S PROJECT NO. 16137



- ① ELECTRIC MANHOLE 195  
TOP=760.18  
CEILING=759.63  
FLOOR=755.70
- ② TELECOM MANHOLE 365  
TOP=754.99  
CEILING=752.49  
FLOOR=748.49
- ③ STEAM MANHOLE 406  
TOP=754.19  
CEILING=753.54  
FLOOR=747.59
- ④ STEAM MANHOLE 443  
TOP=754.49  
CEILING=752.74  
FLOOR=747.64
- ⑤ STEAM MANHOLE 405  
TOP=759.04  
CEILING=757.19  
FLOOR=750.64

- A STORM CLEANOUT  
TOP=752.23  
FL=752.33
- B INLET  
TOP=754.16  
FL IN=750.71  
FL OUT=750.66
- C MANHOLE  
TOP=754.24  
FL IN=752.34  
FL OUT=751.44
- D INLET  
TOP=753.94  
FL=750.54
- E INLET  
TOP=754.23  
FL IN(N)=750.22  
FL IN(SW)=751.18  
FL IN(W)=749.22  
FL IN(W)=750.23  
FL OUT=749.13
- F SANITARY CLEANOUT  
TOP=752.25  
FL=750.74
- G SANITARY CLEANOUT  
TOP=752.76  
FL=755.06
- H MANHOLE  
TOP=749.02  
FL IN(NE)=745.62  
FL IN(SW)=740.02  
FL IN(W)=740.84  
FL IN(W)=740.02  
FL OUT=739.97
- I JUNCTION BOX  
TOP=744.14  
FL IN(SW)=737.44  
FL IN(W)=734.34  
FL IN(SW)=741.29  
FL IN(W)=731.94
- J CURB INLET  
TOP=741.22  
GUTTER=XXX.XX  
FL=736.67

- WATER VALVE ELEVATIONS**
- ① WV  
TOP=754.40  
NUT=750.55
  - ② WV  
TOP=756.60  
NUT=753.80
  - ③ WV  
TOP=756.56  
NUT=753.66
  - ④ WV  
TOP=756.69  
NUT=753.49
  - ⑤ WV  
TOP=758.41  
NUT=755.56

\\192.168.0.89\PROJECTS\GENERAL-DEMOS-SURVEY\MO-VETERINARY-SCIENCE-DEMOS-SURVEY\CAD\16137\_TPO.DWG 5/17/2024

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	Key Shop	Key shop will remove cores from all locks where the cores will easily pull (cores will be de-pinned and recycled)	X			Mick Twenter	Exterior of the building will remain secure; construction cores will be installed in exterior doors prior to GC mobilization.
2		Will remove door hardware that can be used elsewhere on Campus.	X			Mick Twenter	
3	Energy Management (EM) - Utilities	Water metering and associated sensors		X		Terrance Camp	Removed by EM personnel when water service is no longer needed.
4		Steam metering and associated sensors		X		Terrance Camp	Removed by EM personnel when steam service is no longer needed.
5		Electric revenue meter		X		Chad Heckman	Removed by EM personnel when electric service is no longer needed.
6		Transformer		X		Chad Heckman	Removed by EM personnel when electric service is no longer needed. GC responsible for pad removal; see also sheet ME3.01.
7		Entire service entrance panel and contents, including fused disconnect on side of panel.			X	Mike Benson	Coordinate with Owner's Representative prior to removal; see also sheet ME3.01.
8	Energy Management (EMCS) - Controls	All components we wish to keep in the fiber optic enclosures, associated Leviton break out kits, fiber switch for process contrl network and convertor.	X			Kevin Kaufman	
9		All card readers, all card access controllers (including 721 controllers and RDRs) and their	X			Kevin Kaufman	
10		All JCI Metasys Controllers	X			Kevin Kaufman	
11	IT (DoIT)	Network switches and WAP devices	X			David Polston	
12	-- NA --	Existing air-cooled condensing unit(s) and associated piping, controls, disconnect, etc.			X		Contractor to remove designated items and deliver to Owner's storage yard located to the southeast of the General Services Building. Coordinate with Owner's Representative; see also sheet ME3.01.
13	-- NA --	Existing air-handling unit(s) and associated piping, controls, disconnect, etc.			X		
14	-- NA --	Fire Alarm to be removed by contractor and turned over to Owner			X		IT equipment that services the Fire Alarm system will remain in place and operational until the contractor confirms that the fire alarm system is no longer needed; Coordinate with Owner's Representative

**SALVAGE ITEMS MATRIX - NOTES:**

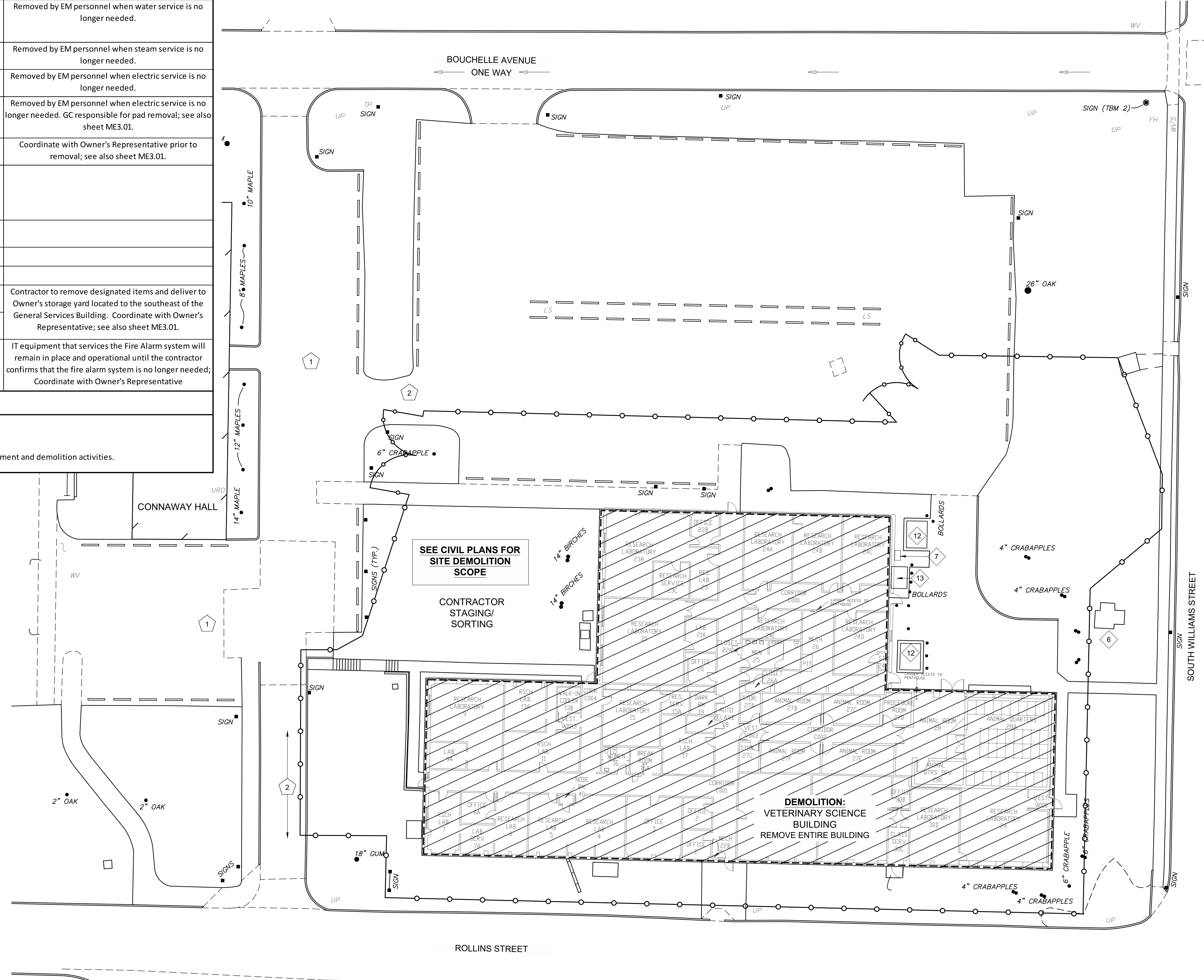
- Anything NOT listed in the salvaged schedule above:
  - Is the Contractor's responsibility to properly dispose of.
  - May be salvaged by the Contractor for their own use.
- The contractor will be responsible for providing any needed temporary heating and/or cooling for the building during abatement and demolition activities.

- GENERAL DEMOLITION NOTES**
- FIELD VERIFICATION: INFORMATION CONTAINED IN THESE DRAWINGS IS BASED ON EXISTING DOCUMENTS. THE INFORMATION CONTAINED HEREIN 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 CONCRETE ELEMENTS INCLUDING SPREAD FOOTINGS AND GRADE BEAMS.
  - 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 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 CONTROLS(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.

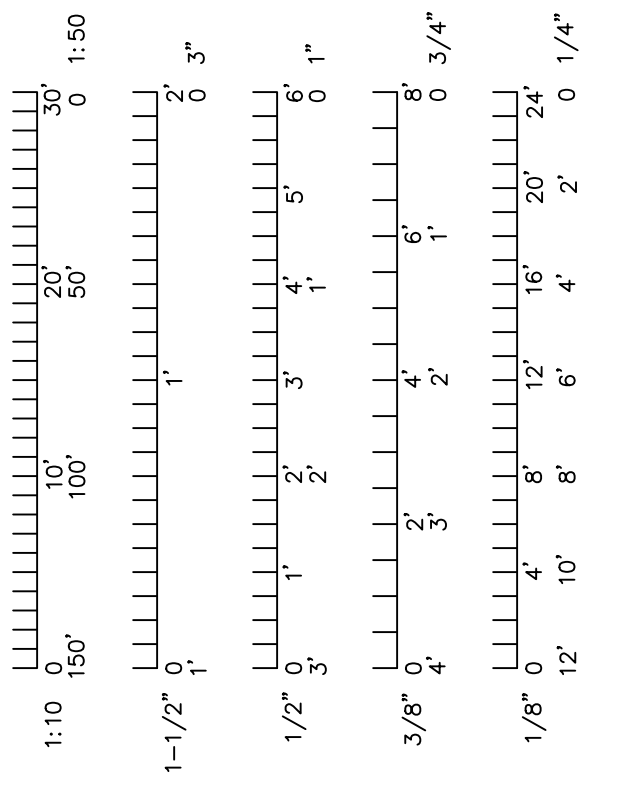
- D101 SCOPE-OF-WORK NOTES**
- CONNAWAY HALL PARKING - NO CONSTRUCTION TRAFFIC, TYP.
  - SHARED DRIVE MAINTAIN PUBLIC ACCESS EXCEPT BY PRIOR ARRANGEMENT WITH OWNER'S REPRESENTATIVE.

**LEGEND**

- APPROXIMATE LINE OF CONSTRUCTION FENCE(S) - SEE C1.01 TRAFFIC CONTROL PLAN
- BUILDING DEMOLITION:
  - VETERINARY SCIENCE BUILDING IS A SINGLE STORY SLAB-ON-GRADE TIMBER-FRAMED STRUCTURE WITH CONCRETE STEM WALLS AT GRADE. THE BUILDING INCLUDES MECHANICAL PENTHOUSE AREAS. FIELD VERIFY EXISTING CONDITIONS.
- SALVAGE ITEM LOCATION KEY - COORDINATE WITH MATRIX



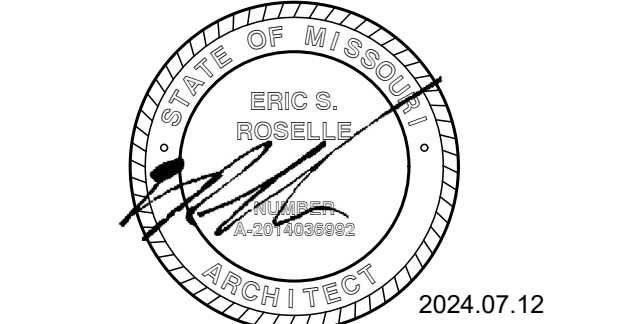
**BUILDING DEMOLITION, STAGING, & SALVAGE PLAN**  
SCALE: 1:20



**MEP:**  
Introba

**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



**MU**  
Project CP233041  
VETERINARY SCIENCE BUILDING DEMOLITION  
1509 ROLLINS ST.  
COLUMBIA, MO  
University of Missouri  
For: The Curators of the University of Missouri

Drawn:	Project Number:
Checked:	202403
Drawing Title:	CAD File Name (Number):
<b>BUILDING DEMOLITION, STAGING, &amp; SALVAGE PLAN</b>	D101.DWG
No.	Revisions:
	Date:
Submission Date:	Drawing Number:
07/12/2024	<b>D101</b>
Plot Date:	
07/12/2024	

**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 SPECIFICATIONS AND AS DETAILED IN THESE PLANS.
- ALL HPP PIPE SHALL BE ASTM F2736, SMOOTH INTERIOR PIPE OR APPROVED EQUAL. INSTALLATION SHALL FOLLOW THE "EMBEDMENT OF PLASTIC STORM SEWER PIPE" DETAIL.
- 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 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.
- 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 UNDU 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 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, SC, 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 SLIPAGE 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 TANDEM 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 1586 (SAND CONE METHOD). FIELD DENSITY TESTS SHOULD BE PERFORMED AT THE RATE OF ONE TEST PER 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.

**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 THE UNIVERSITY OF MISSOURI, COLUMBIA WATER AND LIGHT DEPARTMENT AND CITY OF COLUMBIA UTILITIES WITH REGARDS TO MATERIALS AND INSTALLATION OF THE WATER AND SEWER CAPS, 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 36" BELOW FINISH GRADE UNLESS NOTED OTHERWISE.
- 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.
- REFER TO MEP PLANS FOR SITE LIGHTING PLAN.
- PVC CONDUIT SHALL BE SCHEDULE 40 PVC WITH LONG SWEEPS ONLY (36" MINIMUM RADIUS) AND CONTAIN PULLTAPE, UNLESS OTHERWISE NOTED.
- 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.
- CONTRACTOR SHALL PROVIDE VERIFICATION TO THE OWNER THAT ALL UTILITIES HAVE BEEN DISCONNECTED PRIOR TO START OF BUILDING DEMOLITION.

**RIGHT-OF-WAY NOTES**

- THERE IS NO DEDICATED RIGHT-OF-WAY FOR THE NORTH LINE OF ROLLINS STREET. THE RIGHT-OF-WAY SHOWN IS A 30 FOOT HALF WIDTH BASED ON THE EXISTING ROADWAY, IN ACCORDANCE WITH STREET WIDTH FOR A NEIGHBORHOOD COLLECTOR PER CITY OF COLUMBIA UNIFIED DEVELOPMENT CODE.
- THE 30 FOOT RADIUS AT THE NORTHWEST CORNER OF ROLLINS STREET AND WILLIAM STREET IS SHOWN PER THE CITY OF COLUMBIA UNIFIED DEVELOPMENT CODE.

**LEGEND**

—	PROPERTY LINE
—	ELECTRIC LINE
—	TELECOMMUNICATIONS LINE
—	FIBER OPTIC LINE
—	UNDERGROUND ELECTRIC LINE
—	UNDERGROUND TELECOMMUNICATIONS LINE
—	SANITARY SEWER LINE
—	STORM SEWER LINE
—	STEAM LINE
—	GAS LINE
—	WATER LINE
—	CHILLED WATER LINE
—	FENCE
---	EXISTING CONTOUR
—	ANCHOR
△ CP#	CONTROL POINT
A/C	AIR CONDITIONER
CI	CAST IRON PIPE
EM	ELECTRIC METER
EPB	ELECTRIC PULLBOX
ET	ELECTRIC TRANSFORMER
FH	FIRE HYDRANT
FL	FLOW LINE
GM	GAS METER
GV	GAS VALVE
HPP	HIGH PERFORMANCE POLYPROPYLENE PIPE
LS	LIGHT STANDARD
PIV	POST INDICATOR VALVE
PVC	POLYVINYL CHLORIDE PIPE
RID	RECORDS INDICATE
TP	TELECOMMUNICATIONS PEDESTAL
TPB	TELECOMMUNICATIONS PULLBOX
TW	TOP OF WALL
UP	UTILITY POLE
URD	UNDERGROUND ROOF DRAIN
VCP	VITRIFIED CLAY PIPE
WM	WATER METER
WV	WATER VALVE
WSC	WATER SPRINKLER CONNECTION
—	PROPOSED FENCE
—	SILT FENCE
—	TREE PRESERVATION BARRIER
—	FINISH CONTOUR
—	FINISH GRADE ELEVATION
—	DEMOLITION AREA
—	FEATURE REMOVAL
—	ABANDON IN PLACE & FILL W/ FLOWABLE FILL

**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 FIELD 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.
- 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.

**SHEET INDEX**

C0.01	GENERAL NOTES
C1.01	TEMPORARY TRAFFIC CONTROL PLAN
C2.01	EROSION CONTROL PLAN
C3.01	SITE DEMOLITION PLAN
C3.02	UTILITY DEMOLITION PLAN
C4.01	SITE PLAN
C5.01	GRADING & DRAINAGE PLAN
C6.01	UTILITY PLAN
C7.01	SITE, EROSION CONTROL, & STORM SEWER DETAILS

**UTILITY NOTES**

ALL UTILITIES ARE UNIVERSITY OF MISSOURI, EXCEPT AS NOTED BELOW. THE LOCATIONS, SIZES, AND MATERIAL TYPES OF UNDERGROUND UTILITIES INDICATED ON THE PLAN, 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: 573-882-3084  
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: JOE STRODTMAN 573-874-6308

**ELECTRIC**  
CITY OF COLUMBIA WATER & LIGHT DEPARTMENT  
P.O. BOX 6015  
COLUMBIA, MISSOURI 65205  
CONTACT: JOHN BLAKEMORE 573-874-7313  
AS SHOWN

**GAS**  
AMEREN MISSOURI  
2001 MAGUIRE BOULEVARD  
COLUMBIA, MISSOURI 65201  
CONTACT: TRENT SNOODGRASS 573-876-3063

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

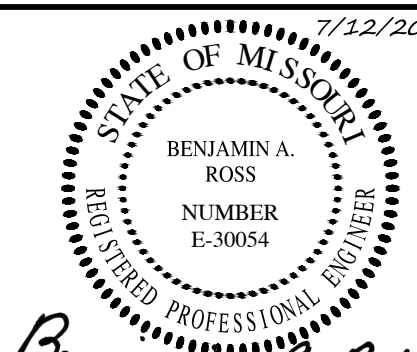
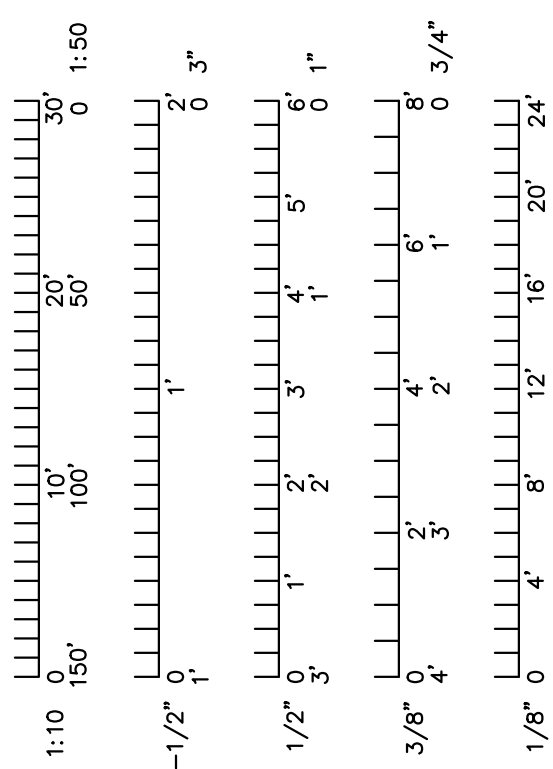
**AT&T**  
7351 ABC LANE  
COLUMBIA, MISSOURI 65202  
CONTACT: GRANT STAES 573-489-8727

**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



Drawn:	RTM	Project Number:	202403
Checked:	BAR	CAD File Name (Number):	

Drawing Title:  
**GENERAL NOTES**

No.	Revisions:	Date:

Submission Date:	07/12/2024	Drawing Number:	<b>C0.01</b>
Plot Date:	07/11/2024		

**TEMPORARY TRAFFIC GENERAL NOTES**

- 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.
- THE CONTRACTOR IS SOLELY RESPONSIBLE FOR JOB SITE, WORKER, AND TRAFFIC SAFETY.
- 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 CITY OF GREENSBORO FOR APPROVAL, IN WRITING, PRIOR TO IMPLEMENTATION.
- 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.
- 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.
- 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 ANY WORK IN THE R.O.W.
- ROLLINS STREET LANE CLOSURE SHALL BE LIMITED TO 7 DAYS MAXIMUM.
- ALL ROADWAY TEMPORARY TRAFFIC CONTROL SHALL BE REMOVED AT NIGHT TO PROVIDE FULL TRAVEL LANE WIDTH AT NIGHT.

POSTED SPEED LIMIT = 20 MPH

**LEGEND**

- TYPE II BARRICADE
- TYPE III BARRICADE W/ TYPE A WARNING LIGHTS
- TEMPORARY TRAFFIC CONTROL SIGN
- CHANNELIZER
- WORKSPACE



**R6-1L**  
"ONE WAY" SIGN  
NOT TO SCALE



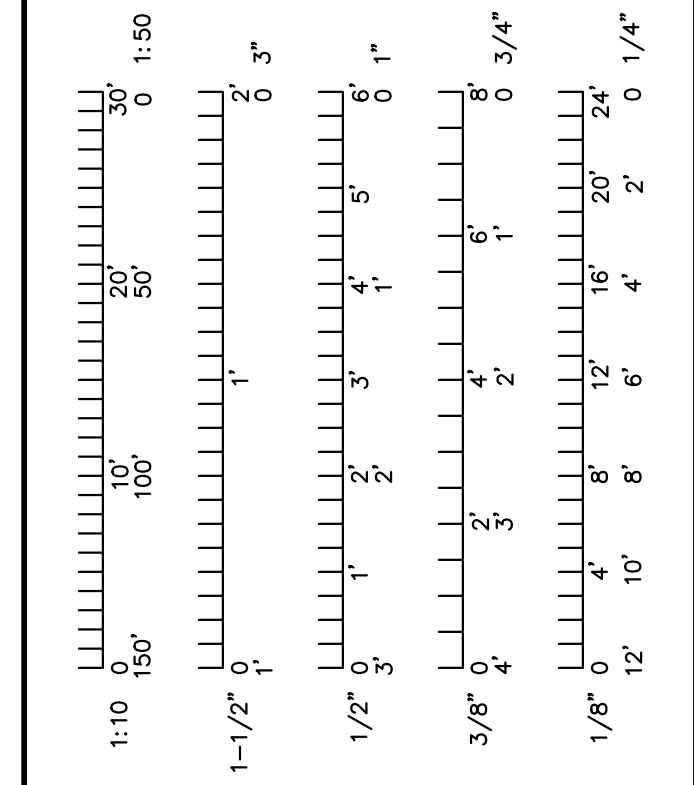
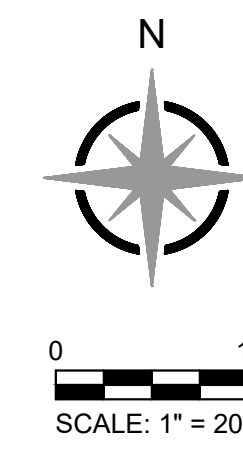
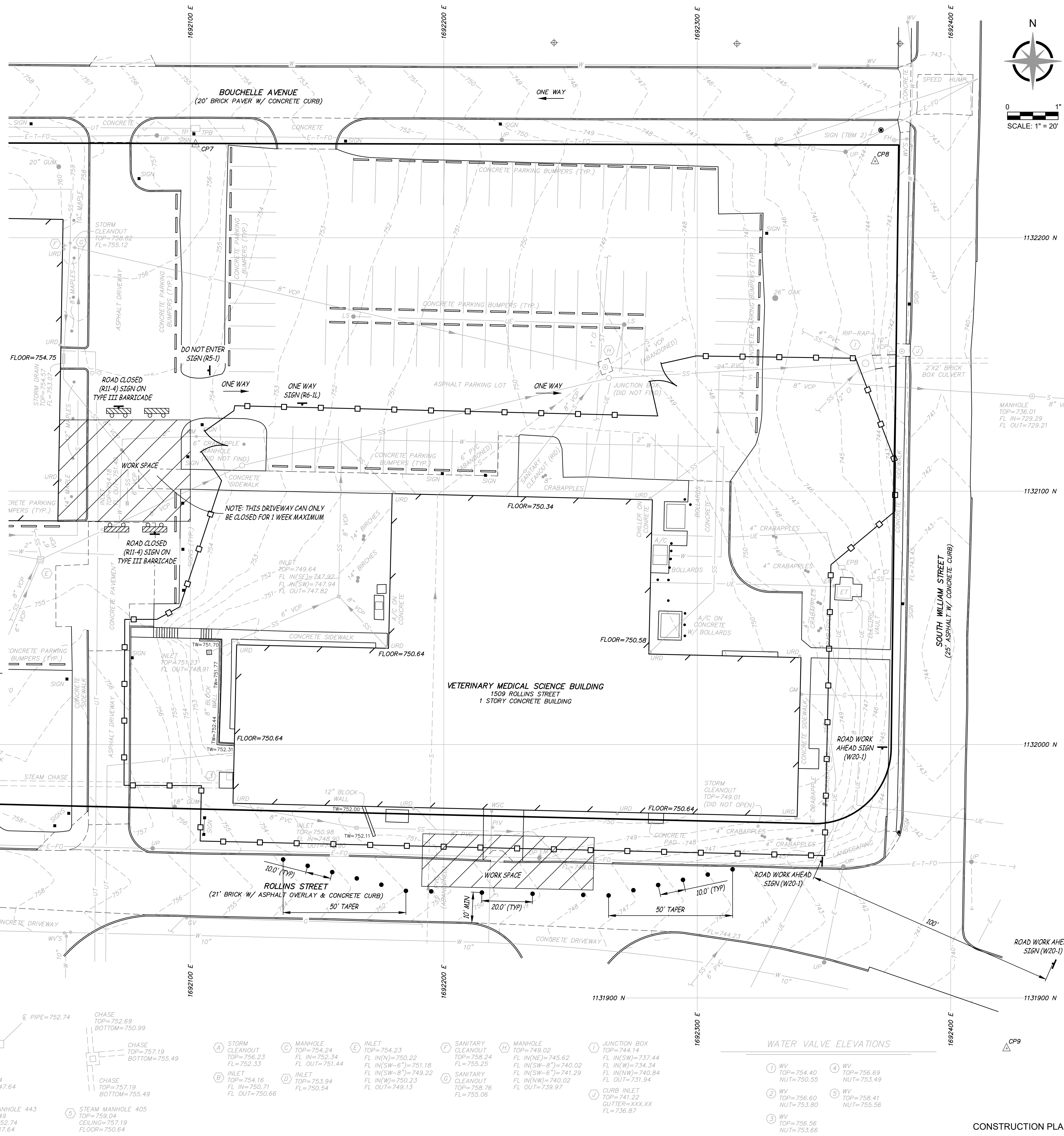
**R5-1**  
"DO NOT ENTER" SIGN  
NOT TO SCALE



**R11-2**  
"ROAD CLOSED" SIGN  
NOT TO SCALE



**W20-1**  
"ROAD WORK AHEAD" SIGN  
NOT TO SCALE



MEP:

**Introba**

CIVIL:

**ES&S**  
Engineering Surveys & Services  
DELIVERING YOUR VISION™  
1113 Fay Street, Columbia, MO 65201  
873-449-2646  
www.es-inc.com  
MO Engineering Corp. # 2004005018  
ES&S JOB NO. 16222

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 an Architectural Corporation  
Missouri State Certificate of Authority No. 000244

7/12/2024

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

**MU**

Project CP233041  
VETERINARY SCIENCE  
BUILDING DEMOLITION  
1509 ROLLINS ST.  
COLUMBIA, MO  
University of Missouri  
For: The Curators of the University of Missouri

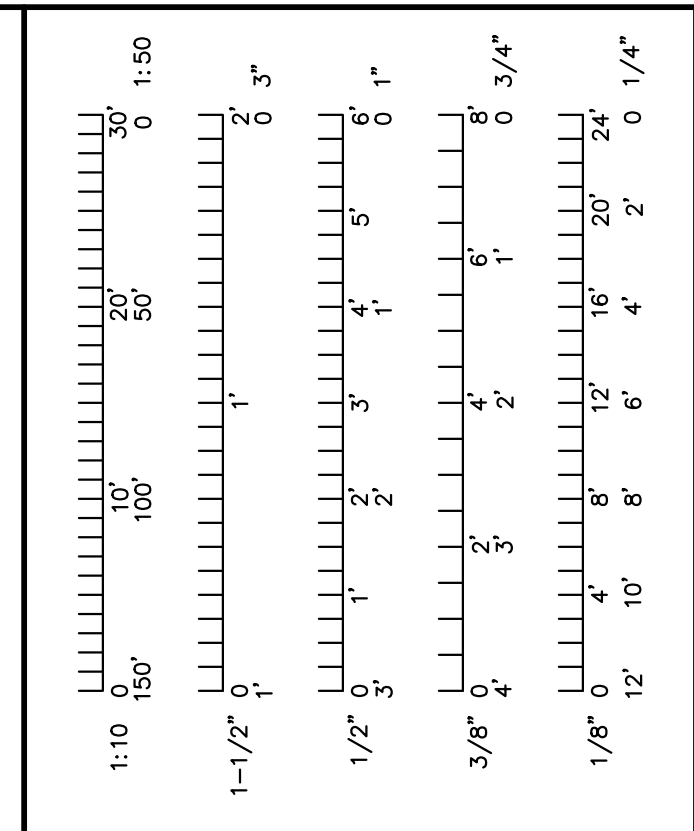
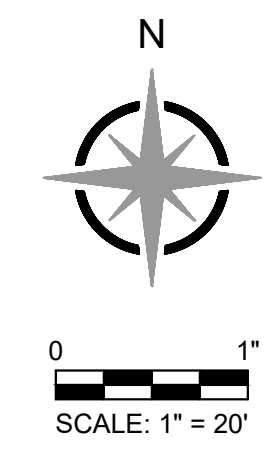
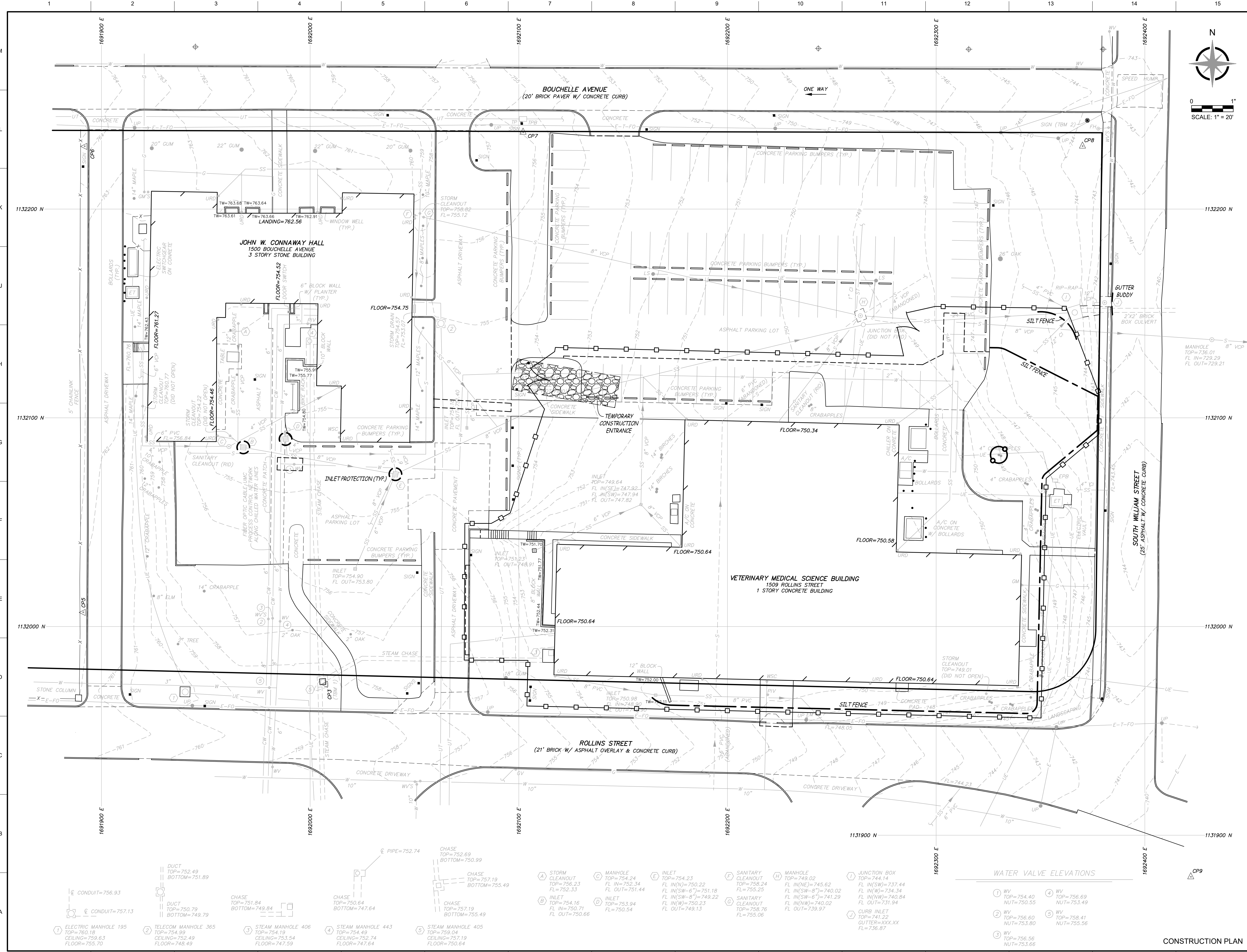
Drawn:	RTM	Project Number:	202403
Checked:	BAR	CAD File Name (Number):	BAR
Drawing Title:	TEMPORARY TRAFFIC CONTROL PLAN		
No.	Revisions:	Date:	
Submission Date:	07/12/2024	Drawing Number:	C1.01
Plot Date:	07/11/2024		

**WATER VALVE ELEVATIONS**

- 1 WV TOP=754.40 NUT=750.55
- 2 WV TOP=756.60 NUT=753.80
- 3 WV TOP=756.56 NUT=753.66
- 4 WV TOP=756.69 NUT=753.49
- 5 WV TOP=758.41 NUT=755.56

- A STORM CLEANOUT TOP=756.23 FL IN=752.33 FL OUT=751.44
- B INLET TOP=754.16 FL IN=750.71 FL OUT=750.66
- C MANHOLE TOP=754.24 FL IN(SW)=752.34 FL OUT=751.44
- D INLET TOP=753.94 FL IN(W)=750.23 FL OUT=749.13
- E INLET TOP=754.23 FL IN(N)=750.22 FL IN(SW-6")=751.18 FL IN(SW-8")=741.29 FL IN(W)=740.02 FL OUT=739.97
- F SANITARY CLEANOUT TOP=758.24 FL IN(SW)=755.25 FL IN(N)=745.62 FL IN(SW-8")=740.02 FL IN(SW-6")=741.29 FL IN(W)=740.02 FL OUT=739.97
- G SANITARY CLEANOUT TOP=758.76 FL IN(SW)=755.06 FL IN(N)=745.62 FL IN(SW-8")=740.02 FL IN(SW-6")=741.29 FL IN(W)=740.02 FL OUT=739.97
- H MANHOLE TOP=749.02 FL IN(N)=745.62 FL IN(SW-8")=740.02 FL IN(SW-6")=741.29 FL IN(W)=740.02 FL OUT=739.97
- I JUNCTION BOX TOP=744.14 FL IN(SW)=737.44 FL IN(N)=734.34 FL IN(W)=740.84 FL OUT=731.94
- J CURB INLET TOP=741.22 GUTTER=XXX.XXX FL=736.87

- 1 CONDUIT=756.93
- 2 CONDUIT=757.13
- 3 CHASE TOP=751.84 BOTTOM=749.84
- 4 CHASE TOP=750.64 BOTTOM=747.64
- 5 CHASE TOP=757.19 BOTTOM=755.49
- 6 CHASE TOP=757.19 BOTTOM=755.49
- 7 CHASE TOP=752.69 BOTTOM=750.99
- 8 CHASE TOP=757.19 BOTTOM=755.49
- 9 CHASE TOP=757.19 BOTTOM=755.49
- 10 CHASE TOP=757.19 BOTTOM=755.49
- 11 CHASE TOP=757.19 BOTTOM=755.49
- 12 CHASE TOP=757.19 BOTTOM=755.49
- 13 CHASE TOP=757.19 BOTTOM=755.49
- 14 CHASE TOP=757.19 BOTTOM=755.49
- 15 CHASE TOP=757.19 BOTTOM=755.49
- 16 CHASE TOP=757.19 BOTTOM=755.49
- 17 CHASE TOP=757.19 BOTTOM=755.49
- 18 CHASE TOP=757.19 BOTTOM=755.49
- 19 CHASE TOP=757.19 BOTTOM=755.49
- 20 CHASE TOP=757.19 BOTTOM=755.49
- 21 CHASE TOP=757.19 BOTTOM=755.49
- 22 CHASE TOP=757.19 BOTTOM=755.49
- 23 CHASE TOP=757.19 BOTTOM=755.49
- 24 CHASE TOP=757.19 BOTTOM=755.49
- 25 CHASE TOP=757.19 BOTTOM=755.49
- 26 CHASE TOP=757.19 BOTTOM=755.49
- 27 CHASE TOP=757.19 BOTTOM=755.49
- 28 CHASE TOP=757.19 BOTTOM=755.49
- 29 CHASE TOP=757.19 BOTTOM=755.49
- 30 CHASE TOP=757.19 BOTTOM=755.49
- 31 CHASE TOP=757.19 BOTTOM=755.49
- 32 CHASE TOP=757.19 BOTTOM=755.49
- 33 CHASE TOP=757.19 BOTTOM=755.49
- 34 CHASE TOP=757.19 BOTTOM=755.49
- 35 CHASE TOP=757.19 BOTTOM=755.49
- 36 CHASE TOP=757.19 BOTTOM=755.49
- 37 CHASE TOP=757.19 BOTTOM=755.49
- 38 CHASE TOP=757.19 BOTTOM=755.49
- 39 CHASE TOP=757.19 BOTTOM=755.49
- 40 CHASE TOP=757.19 BOTTOM=755.49
- 41 CHASE TOP=757.19 BOTTOM=755.49
- 42 CHASE TOP=757.19 BOTTOM=755.49
- 43 CHASE TOP=757.19 BOTTOM=755.49
- 44 CHASE TOP=757.19 BOTTOM=755.49
- 45 CHASE TOP=757.19 BOTTOM=755.49
- 46 CHASE TOP=757.19 BOTTOM=755.49
- 47 CHASE TOP=757.19 BOTTOM=755.49
- 48 CHASE TOP=757.19 BOTTOM=755.49
- 49 CHASE TOP=757.19 BOTTOM=755.49
- 50 CHASE TOP=757.19 BOTTOM=755.49
- 51 CHASE TOP=757.19 BOTTOM=755.49
- 52 CHASE TOP=757.19 BOTTOM=755.49
- 53 CHASE TOP=757.19 BOTTOM=755.49
- 54 CHASE TOP=757.19 BOTTOM=755.49
- 55 CHASE TOP=757.19 BOTTOM=755.49
- 56 CHASE TOP=757.19 BOTTOM=755.49
- 57 CHASE TOP=757.19 BOTTOM=755.49
- 58 CHASE TOP=757.19 BOTTOM=755.49
- 59 CHASE TOP=757.19 BOTTOM=755.49
- 60 CHASE TOP=757.19 BOTTOM=755.49
- 61 CHASE TOP=757.19 BOTTOM=755.49
- 62 CHASE TOP=757.19 BOTTOM=755.49
- 63 CHASE TOP=757.19 BOTTOM=755.49
- 64 CHASE TOP=757.19 BOTTOM=755.49
- 65 CHASE TOP=757.19 BOTTOM=755.49
- 66 CHASE TOP=757.19 BOTTOM=755.49
- 67 CHASE TOP=757.19 BOTTOM=755.49
- 68 CHASE TOP=757.19 BOTTOM=755.49
- 69 CHASE TOP=757.19 BOTTOM=755.49
- 70 CHASE TOP=757.19 BOTTOM=755.49
- 71 CHASE TOP=757.19 BOTTOM=755.49
- 72 CHASE TOP=757.19 BOTTOM=755.49
- 73 CHASE TOP=757.19 BOTTOM=755.49
- 74 CHASE TOP=757.19 BOTTOM=755.49
- 75 CHASE TOP=757.19 BOTTOM=755.49
- 76 CHASE TOP=757.19 BOTTOM=755.49
- 77 CHASE TOP=757.19 BOTTOM=755.49
- 78 CHASE TOP=757.19 BOTTOM=755.49
- 79 CHASE TOP=757.19 BOTTOM=755.49
- 80 CHASE TOP=757.19 BOTTOM=755.49
- 81 CHASE TOP=757.19 BOTTOM=755.49
- 82 CHASE TOP=757.19 BOTTOM=755.49
- 83 CHASE TOP=757.19 BOTTOM=755.49
- 84 CHASE TOP=757.19 BOTTOM=755.49
- 85 CHASE TOP=757.19 BOTTOM=755.49
- 86 CHASE TOP=757.19 BOTTOM=755.49
- 87 CHASE TOP=757.19 BOTTOM=755.49
- 88 CHASE TOP=757.19 BOTTOM=755.49
- 89 CHASE TOP=757.19 BOTTOM=755.49
- 90 CHASE TOP=757.19 BOTTOM=755.49
- 91 CHASE TOP=757.19 BOTTOM=755.49
- 92 CHASE TOP=757.19 BOTTOM=755.49
- 93 CHASE TOP=757.19 BOTTOM=755.49
- 94 CHASE TOP=757.19 BOTTOM=755.49
- 95 CHASE TOP=757.19 BOTTOM=755.49
- 96 CHASE TOP=757.19 BOTTOM=755.49
- 97 CHASE TOP=757.19 BOTTOM=755.49
- 98 CHASE TOP=757.19 BOTTOM=755.49
- 99 CHASE TOP=757.19 BOTTOM=755.49
- 100 CHASE TOP=757.19 BOTTOM=755.49



MEP:

**Introba**

CIVIL:

**ES&S**  
Engineering Surveys & Services  
DELIVERING YOUR VISION™  
1113 Fay Street, Columbia, MO 65201  
873-449-2646  
www.es-inc.com  
MO Engineering Corp. # 2004005018  
ES&S JOB NO. 16222

ARCHITECT:

**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

7/12/2024

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

**MU**

Project CP233041  
VETERINARY SCIENCE BUILDING DEMOLITION  
1509 ROLLINS ST.  
COLUMBIA, MO  
University of Missouri  
For: The Curators of the University of Missouri

Drawn:	Project Number:
RTM	202403
Checked:	CAD File Name (Number):
BAR	

Drawing Title:  
**EROSION CONTROL PLAN**

No.	Revisions:	Date:

Submission Date:	Drawing Number:
07/12/2024	<b>C2.01</b>
Plot Date:	07/11/2024

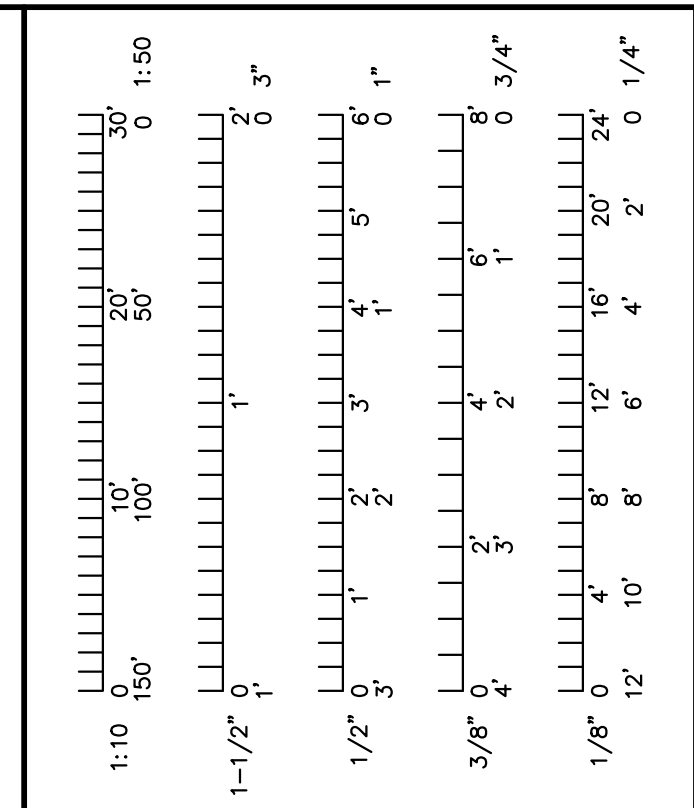
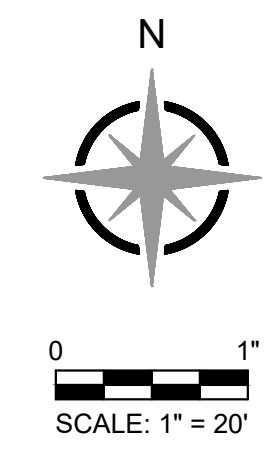
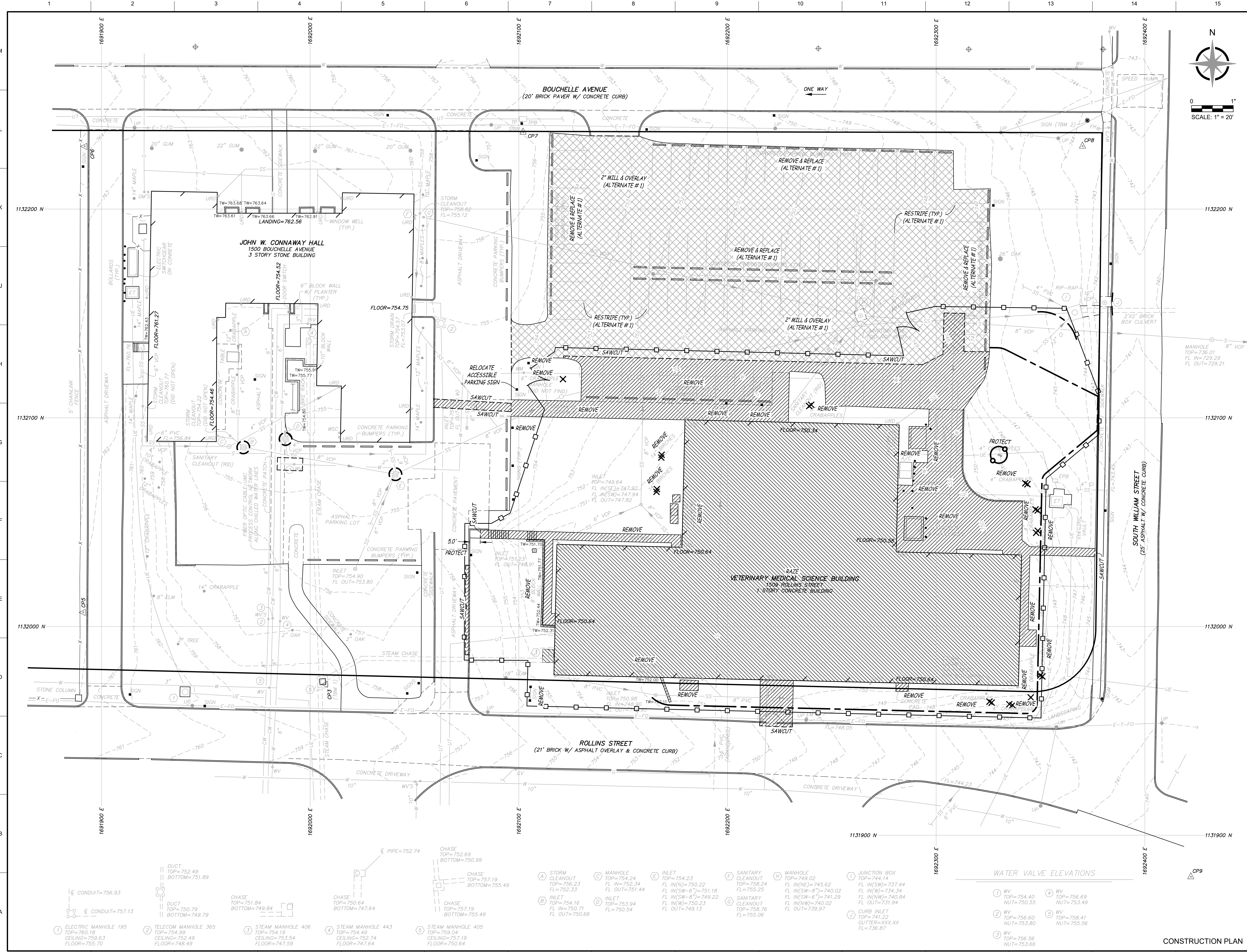
WATER VALVE ELEVATIONS	
1) WV TOP=754.40 NUT=750.55	4) WV TOP=758.69 NUT=753.49
2) WV TOP=756.60 NUT=753.80	5) WV TOP=758.41 NUT=755.56
3) WV TOP=756.56 NUT=753.66	

1) ELECTRIC MANHOLE 195 TOP=760.18 CEILING=759.63 FLOOR=755.70	2) TELECOM MANHOLE 365 TOP=754.99 CEILING=753.49 FLOOR=748.49	3) STEAM MANHOLE 406 TOP=753.54 CEILING=753.54 FLOOR=747.59	4) STEAM MANHOLE 443 TOP=754.19 CEILING=752.74 FLOOR=747.84	5) STEAM MANHOLE 405 TOP=759.04 CEILING=757.19 FLOOR=750.64
6) INLET TOP=754.16 FL IN=750.71 FL OUT=750.66	7) INLET TOP=754.24 FL IN(SW)=751.44 FL IN(N)=752.34 FL IN(W)=751.44	8) INLET TOP=753.94 FL IN(W)=750.23 FL IN(SW)=749.22 FL IN(N)=750.23 FL OUT=749.13	9) INLET TOP=754.23 FL IN(N)=750.22 FL IN(SW)=751.18 FL IN(SW)=751.18 FL IN(SW)=741.29 FL IN(W)=740.02 FL OUT=739.97	10) SANITARY CLEANOUT TOP=758.76 FL=755.06
11) SANITARY CLEANOUT TOP=758.24 FL=755.25	12) MANHOLE TOP=749.02 FL IN(N)=745.62 FL IN(SW)=740.02 FL IN(NW)=740.84 FL IN(W)=740.02 FL OUT=739.97	13) JUNCTION BOX TOP=744.14 FL IN(SW)=737.44 FL IN(W)=734.34 FL IN(NW)=740.84 FL IN(W)=731.94	14) CURB INLET GUTTER=XXX.XXX FL=736.87	

CONSTRUCTION PLAN





MEP:

**Introba**

---

CIVIL:

**ES&S**  
Engineering Surveys & Services  
DELIVERING YOUR VISION™  
1113 Fay Street, Columbia, MO 65201  
873-449-2646  
www.es-s.com  
MO Engineering Corp. # 2004005018  
ES&S JOB NO. 16222

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

7/12/2024

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

**MU**

Project CP233041  
VETERINARY SCIENCE  
BUILDING DEMOLITION  
1509 ROLLINS ST.  
COLUMBIA, MO  
University of Missouri  
For: The Curators of the University of Missouri

Drawn:	Project Number:
RTM	202403
Checked:	CAD File Name (Number):
BAR	BAR

Drawing Title:  
**SITE DEMOLITION PLAN**

No.	Revisions:	Date:

Submission Date:	Drawing Number:
07/12/2024	<b>C3.01</b>
Plot Date:	07/11/2024

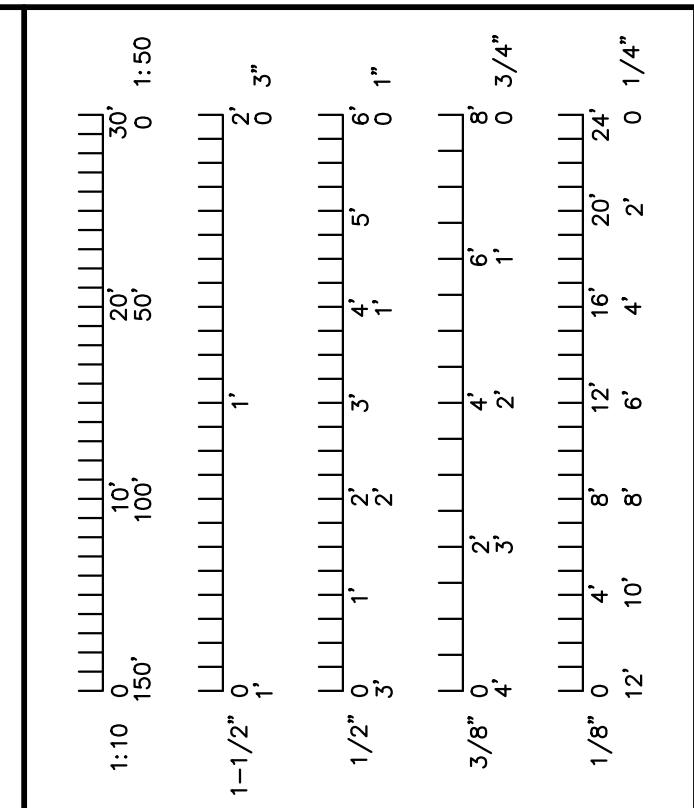
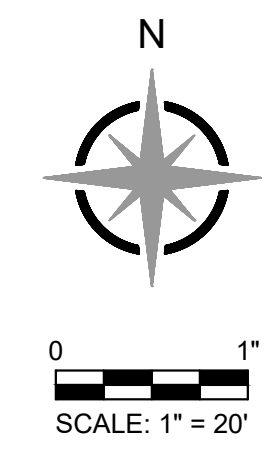
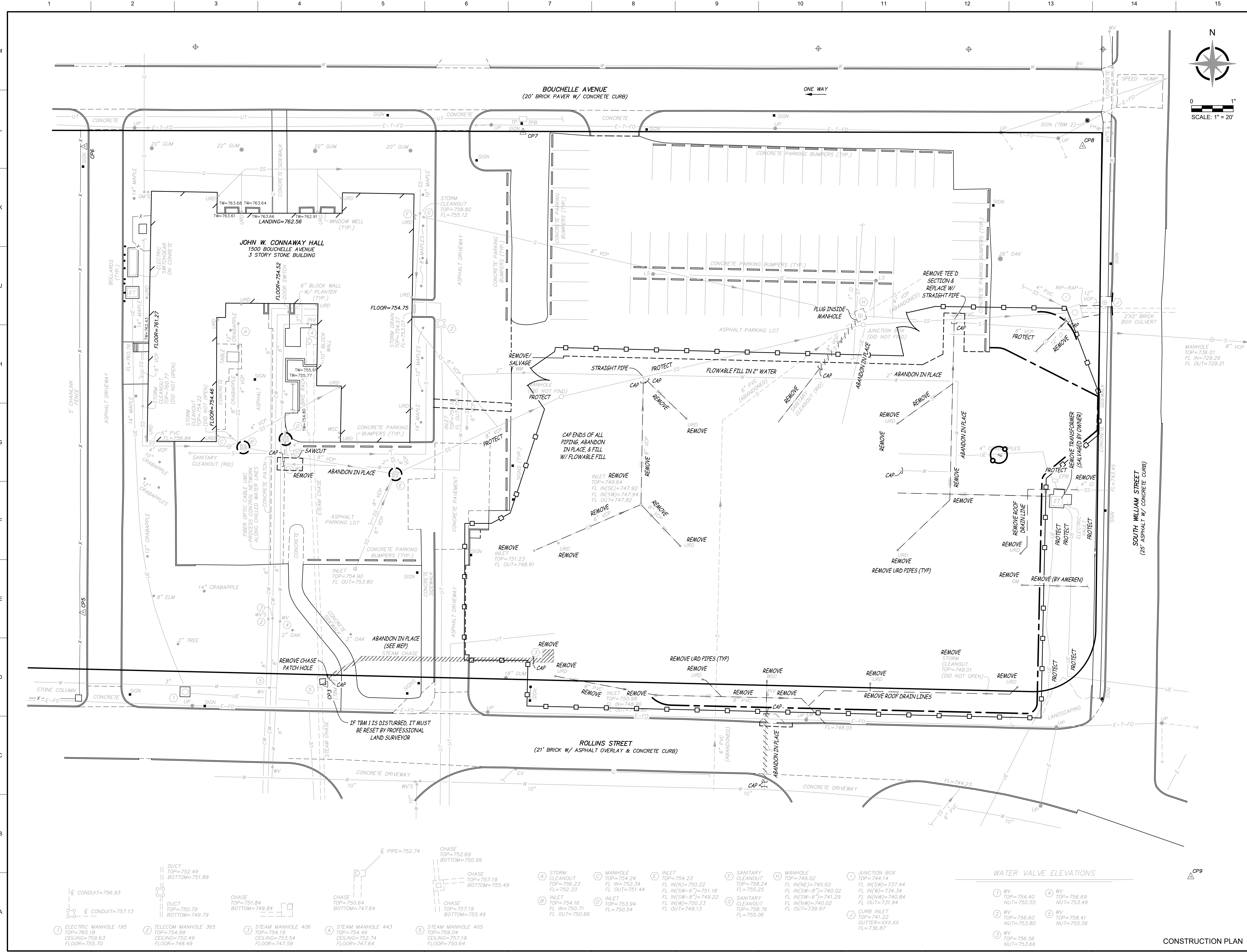
**WATER VALVE ELEVATIONS**

- 1 WV TOP=754.40 NUT=750.55
- 2 WV TOP=756.60 NUT=753.80
- 3 WV TOP=756.56 NUT=753.66
- 4 WV TOP=758.69 NUT=753.49
- 5 WV TOP=758.41 NUT=755.56

- A STORM CLEANOUT TOP=756.23 FL=752.33
- B INLET TOP=754.16 FL IN=750.71 FL OUT=750.66
- C MANHOLE TOP=754.24 FL IN=752.34 FL OUT=751.44
- D INLET TOP=753.94 FL IN=750.54 FL OUT=750.54
- E INLET TOP=754.23 FL IN(N)=750.22 FL IN(SW-6")=751.18 FL IN(SW-8")=749.22 FL IN(W)=750.23 FL OUT=749.13
- F SANITARY CLEANOUT TOP=758.24 FL IN(NE)=745.62 FL IN(SW-8")=740.02 FL IN(SW-6")=741.29 FL IN(W)=740.84 FL OUT=731.94
- G SANITARY CLEANOUT TOP=758.76 FL=755.06
- H MANHOLE TOP=749.02 FL IN(NE)=745.62 FL IN(SW-8")=740.02 FL IN(SW-6")=741.29 FL IN(W)=740.84 FL OUT=731.94
- I JUNCTION BOX TOP=744.14 FL IN(SW)=737.44 FL IN(W)=734.34 FL IN(NW)=740.84 FL OUT=731.94
- J CURB INLET GUTTER=XXX.XX FL=736.87

- 1 CONDUIT=756.93
- 2 CONDUIT=757.13
- 3 CHASE TOP=751.84 BOTTOM=749.84
- 4 CHASE TOP=750.64 BOTTOM=747.64
- 5 CHASE TOP=752.69 BOTTOM=750.99
- 6 CHASE TOP=757.19 BOTTOM=755.49
- 7 CHASE TOP=757.19 BOTTOM=755.49
- 8 CHASE TOP=757.19 BOTTOM=755.49
- 9 CHASE TOP=757.19 BOTTOM=755.49
- 10 CHASE TOP=757.19 BOTTOM=755.49
- 11 CHASE TOP=757.19 BOTTOM=755.49
- 12 CHASE TOP=757.19 BOTTOM=755.49
- 13 CHASE TOP=757.19 BOTTOM=755.49
- 14 CHASE TOP=757.19 BOTTOM=755.49
- 15 CHASE TOP=757.19 BOTTOM=755.49
- 16 CHASE TOP=757.19 BOTTOM=755.49
- 17 CHASE TOP=757.19 BOTTOM=755.49
- 18 CHASE TOP=757.19 BOTTOM=755.49
- 19 CHASE TOP=757.19 BOTTOM=755.49
- 20 CHASE TOP=757.19 BOTTOM=755.49
- 21 CHASE TOP=757.19 BOTTOM=755.49
- 22 CHASE TOP=757.19 BOTTOM=755.49
- 23 CHASE TOP=757.19 BOTTOM=755.49
- 24 CHASE TOP=757.19 BOTTOM=755.49
- 25 CHASE TOP=757.19 BOTTOM=755.49
- 26 CHASE TOP=757.19 BOTTOM=755.49
- 27 CHASE TOP=757.19 BOTTOM=755.49
- 28 CHASE TOP=757.19 BOTTOM=755.49
- 29 CHASE TOP=757.19 BOTTOM=755.49
- 30 CHASE TOP=757.19 BOTTOM=755.49
- 31 CHASE TOP=757.19 BOTTOM=755.49
- 32 CHASE TOP=757.19 BOTTOM=755.49
- 33 CHASE TOP=757.19 BOTTOM=755.49
- 34 CHASE TOP=757.19 BOTTOM=755.49
- 35 CHASE TOP=757.19 BOTTOM=755.49
- 36 CHASE TOP=757.19 BOTTOM=755.49
- 37 CHASE TOP=757.19 BOTTOM=755.49
- 38 CHASE TOP=757.19 BOTTOM=755.49
- 39 CHASE TOP=757.19 BOTTOM=755.49
- 40 CHASE TOP=757.19 BOTTOM=755.49
- 41 CHASE TOP=757.19 BOTTOM=755.49
- 42 CHASE TOP=757.19 BOTTOM=755.49
- 43 CHASE TOP=757.19 BOTTOM=755.49
- 44 CHASE TOP=757.19 BOTTOM=755.49
- 45 CHASE TOP=757.19 BOTTOM=755.49
- 46 CHASE TOP=757.19 BOTTOM=755.49
- 47 CHASE TOP=757.19 BOTTOM=755.49
- 48 CHASE TOP=757.19 BOTTOM=755.49
- 49 CHASE TOP=757.19 BOTTOM=755.49
- 50 CHASE TOP=757.19 BOTTOM=755.49
- 51 CHASE TOP=757.19 BOTTOM=755.49
- 52 CHASE TOP=757.19 BOTTOM=755.49
- 53 CHASE TOP=757.19 BOTTOM=755.49
- 54 CHASE TOP=757.19 BOTTOM=755.49
- 55 CHASE TOP=757.19 BOTTOM=755.49
- 56 CHASE TOP=757.19 BOTTOM=755.49
- 57 CHASE TOP=757.19 BOTTOM=755.49
- 58 CHASE TOP=757.19 BOTTOM=755.49
- 59 CHASE TOP=757.19 BOTTOM=755.49
- 60 CHASE TOP=757.19 BOTTOM=755.49
- 61 CHASE TOP=757.19 BOTTOM=755.49
- 62 CHASE TOP=757.19 BOTTOM=755.49
- 63 CHASE TOP=757.19 BOTTOM=755.49
- 64 CHASE TOP=757.19 BOTTOM=755.49
- 65 CHASE TOP=757.19 BOTTOM=755.49
- 66 CHASE TOP=757.19 BOTTOM=755.49
- 67 CHASE TOP=757.19 BOTTOM=755.49
- 68 CHASE TOP=757.19 BOTTOM=755.49
- 69 CHASE TOP=757.19 BOTTOM=755.49
- 70 CHASE TOP=757.19 BOTTOM=755.49
- 71 CHASE TOP=757.19 BOTTOM=755.49
- 72 CHASE TOP=757.19 BOTTOM=755.49
- 73 CHASE TOP=757.19 BOTTOM=755.49
- 74 CHASE TOP=757.19 BOTTOM=755.49
- 75 CHASE TOP=757.19 BOTTOM=755.49
- 76 CHASE TOP=757.19 BOTTOM=755.49
- 77 CHASE TOP=757.19 BOTTOM=755.49
- 78 CHASE TOP=757.19 BOTTOM=755.49
- 79 CHASE TOP=757.19 BOTTOM=755.49
- 80 CHASE TOP=757.19 BOTTOM=755.49
- 81 CHASE TOP=757.19 BOTTOM=755.49
- 82 CHASE TOP=757.19 BOTTOM=755.49
- 83 CHASE TOP=757.19 BOTTOM=755.49
- 84 CHASE TOP=757.19 BOTTOM=755.49
- 85 CHASE TOP=757.19 BOTTOM=755.49
- 86 CHASE TOP=757.19 BOTTOM=755.49
- 87 CHASE TOP=757.19 BOTTOM=755.49
- 88 CHASE TOP=757.19 BOTTOM=755.49
- 89 CHASE TOP=757.19 BOTTOM=755.49
- 90 CHASE TOP=757.19 BOTTOM=755.49
- 91 CHASE TOP=757.19 BOTTOM=755.49
- 92 CHASE TOP=757.19 BOTTOM=755.49
- 93 CHASE TOP=757.19 BOTTOM=755.49
- 94 CHASE TOP=757.19 BOTTOM=755.49
- 95 CHASE TOP=757.19 BOTTOM=755.49
- 96 CHASE TOP=757.19 BOTTOM=755.49
- 97 CHASE TOP=757.19 BOTTOM=755.49
- 98 CHASE TOP=757.19 BOTTOM=755.49
- 99 CHASE TOP=757.19 BOTTOM=755.49
- 100 CHASE TOP=757.19 BOTTOM=755.49

CONSTRUCTION PLAN



MEP:

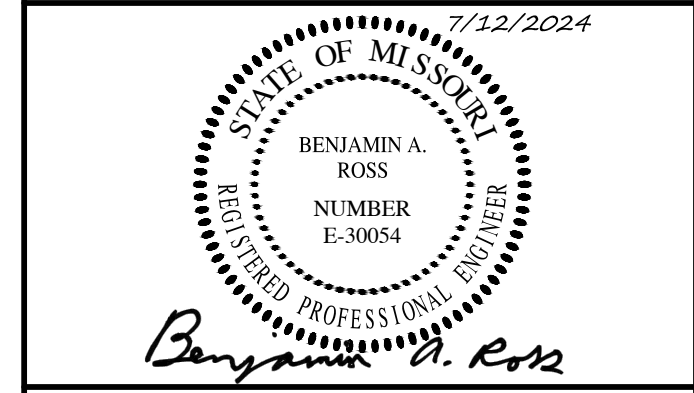
**Introba**

CIVIL:

**ES&S**  
Engineering Surveys & Services  
DELIVERING YOUR VISION™  
1113 Fay Street, Columbia, MO 65201  
873-449-2646  
www.es-inc.com  
MO Engineering Corp. # 2004005018  
ES&S JOB NO. 16222

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



**MU**

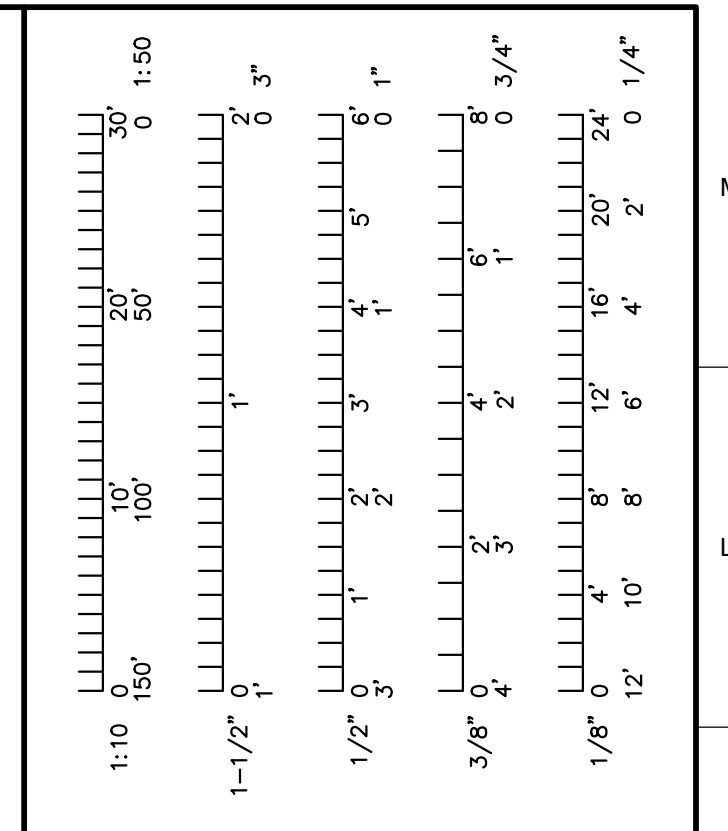
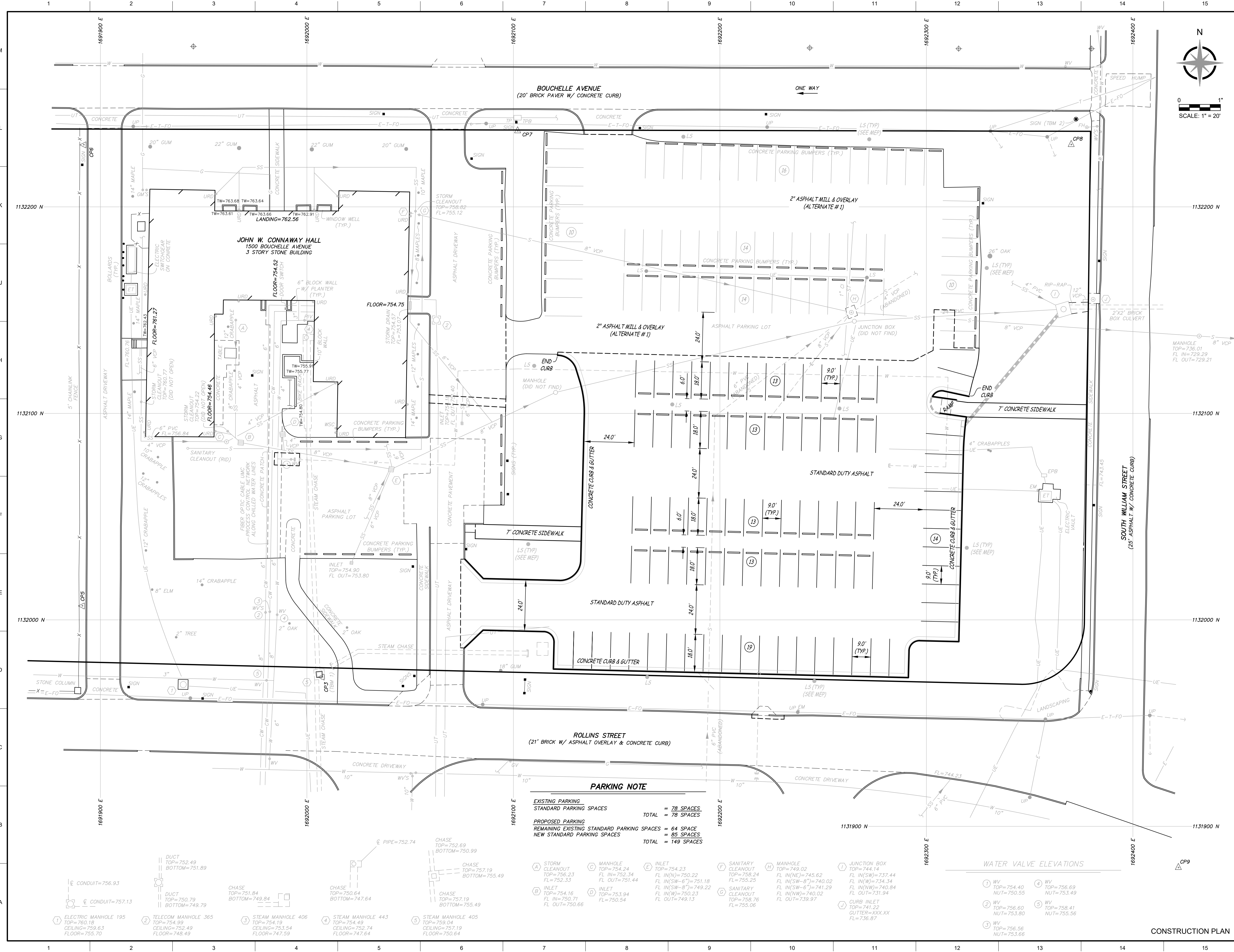
Project CP233041  
VETERINARY SCIENCE  
BUILDING DEMOLITION  
1509 ROLLINS ST.  
COLUMBIA, MO  
University of Missouri  
For: The Curators of the University of Missouri

Drawn:	Project Number:	
RTM	202403	
Checked:	CAD File Name (Number):	
BAR		
Drawing Title:		
UTILITY DEMOLITION PLAN		
No.	Revisions:	Date:
Submission Date:	Drawing Number:	
07/12/2024	C3.02	
Plot Date:		
07/11/2024		

WATER VALVE ELEVATIONS	
1 WV TOP=754.40 NUT=750.55	4 WV TOP=756.69 NUT=753.49
2 WV TOP=756.60 NUT=753.80	5 WV TOP=758.41 NUT=755.56
3 WV TOP=756.56 NUT=753.66	

1 ELECTRIC MANHOLE 195 TOP=760.18 CEILING=759.63 FLOOR=755.70	2 TELECOM MANHOLE 365 TOP=754.99 CEILING=752.49 FLOOR=748.49	3 STEAM MANHOLE 406 TOP=753.54 CEILING=753.54 FLOOR=747.59	4 STEAM MANHOLE 443 TOP=752.74 CEILING=752.74 FLOOR=747.64	5 STEAM MANHOLE 405 TOP=750.04 CEILING=750.04 FLOOR=750.64
6 INLET TOP=754.16 FL IN=750.71 FL OUT=750.66	7 MANHOLE TOP=754.24 FL IN=752.34 FL OUT=751.44	8 INLET TOP=753.94 FL IN(W)=750.23 FL OUT=750.54	9 INLET TOP=754.23 FL IN(N)=750.22 FL IN(SW-6")=751.18 FL IN(SW-8")=741.29 FL IN(W)=740.02 FL OUT=739.97	10 SANITARY CLEANOUT TOP=758.76 FL=755.06
11 SANITARY CLEANOUT TOP=758.24 FL=755.25	12 MANHOLE TOP=749.02 FL IN(NE)=745.62 FL IN(SW-8")=740.02 FL IN(NW)=740.84 FL IN(W)=731.94	13 JUNCTION BOX TOP=744.14 FL IN(SW)=737.44 FL IN(W)=734.34 FL IN(NW)=740.84 FL IN(W)=731.94	14 CURB INLET TOP=741.22 GUTTER=XXX.XXX FL=736.87	



MEP:

**Introba**

CIVIL:

**ES&S**  
Engineering Surveys & Services  
DELIVERING YOUR VISION™  
1113 Fay Street, Columbia, MO 65201  
873-449-2646  
www.es-s-inc.com  
MO Engineering Corp. # 2004005018  
ES&S JOB NO. 16222

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 an Architectural Corporation  
Missouri State Certificate of Authority No. 000244

7/12/2024

**BENJAMIN A. ROSS**  
REGISTERED PROFESSIONAL ENGINEER  
NUMBER E-30054

*Benjamin A. Ross*

**MU**

Project CP233041  
VETERINARY SCIENCE  
BUILDING DEMOLITION  
1509 ROLLINS ST.  
COLUMBIA, MO  
University of Missouri  
For: The Curators of the University of Missouri

Drawn:	Project Number:	
RTM	202403	
Checked:	CAD File Name (Number):	
BAR		
Drawing Title:		
SITE PLAN		
No.	Revisions:	Date:
Submission Date:	Drawing Number:	
07/12/2024	C4.01	
Plot Date:		
07/11/2024		

**PARKING NOTE**

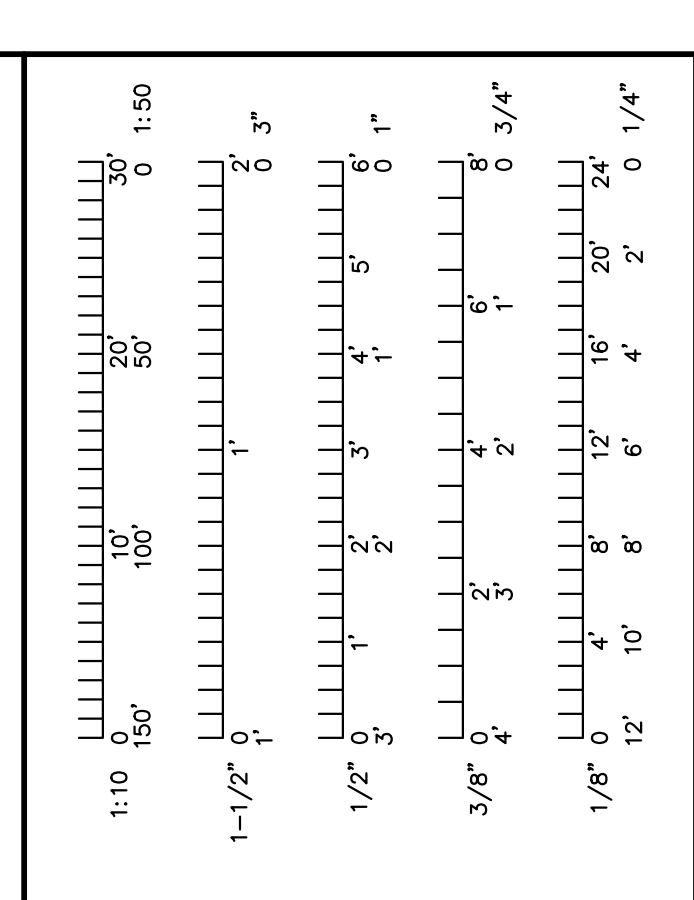
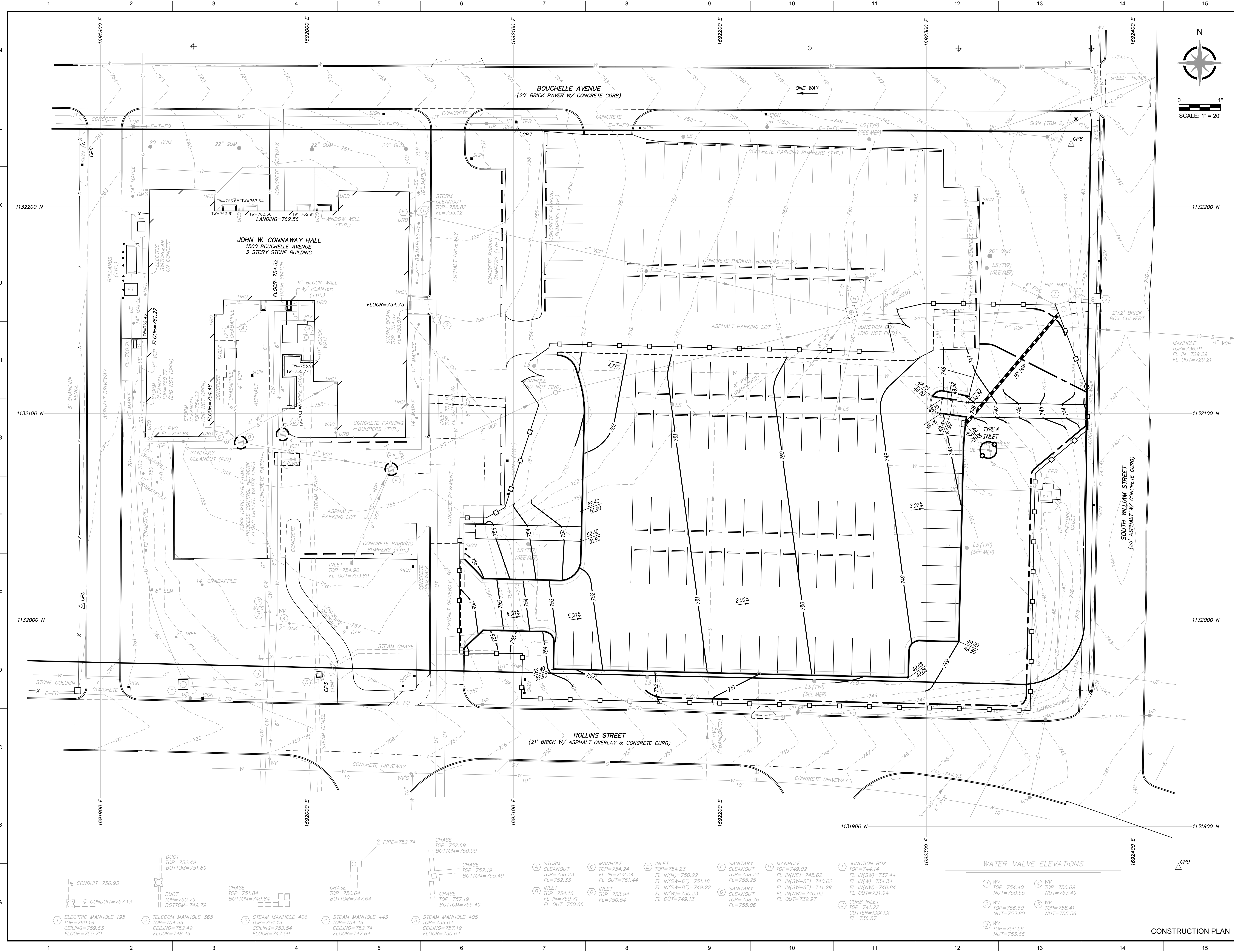
EXISTING PARKING	
STANDARD PARKING SPACES	= 78 SPACES
TOTAL	= 78 SPACES
PROPOSED PARKING	
REMAINING EXISTING STANDARD PARKING SPACES	= 64 SPACES
NEW STANDARD PARKING SPACES	= 85 SPACES
TOTAL	= 149 SPACES

**WATER VALVE ELEVATIONS**

1 WV	TOP=754.40	4 WV	TOP=758.69
2 WV	TOP=756.60	5 WV	TOP=758.41
3 WV	TOP=756.56	6 WV	TOP=755.56
	NUT=753.80		

A STORM CLEANOUT	TOP=756.23	C MANHOLE	TOP=754.24	E INLET	TOP=754.23	G SANITARY CLEANOUT	TOP=758.24	I MANHOLE	TOP=749.02	M JUNCTION BOX	TOP=744.14
B INLET	TOP=754.16	D INLET	TOP=753.94	F IN(SW-6")	FL=751.18	H IN(SW-8")	FL=741.29	J IN(SW-6")	FL=740.02	N IN(SW-6")	FL=740.84
	FL IN=750.71		FL IN=750.23		FL IN(W)=749.22		FL IN(W)=740.02		FL IN(W)=734.34		FL IN(W)=740.84
	FL OUT=750.66		FL OUT=750.54		FL OUT=749.13		FL OUT=739.97		FL OUT=739.97		FL OUT=731.94

1 ELECTRIC MANHOLE 195	TOP=760.18	3 STEAM MANHOLE 406	TOP=754.19	5 STEAM MANHOLE 405	TOP=759.04
2 TELECOM MANHOLE 365	TOP=754.99	4 STEAM MANHOLE 443	TOP=754.19		
	FLOOR=755.70		CEILING=752.74		
			FLOOR=747.84		



MEP:

**Introba**

---

CIVIL:

**ES&S**  
Engineering Surveys & Services  
DELIVERING YOUR VISION™  
1113 Fay Street, Columbia, MO 65201  
573.449.2646  
www.es-inc.com  
MO Engineering Corp. # 2004005018  
ES&S JOB NO. 16222

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 an Architectural Corporation  
Missouri State Certificate of Authority No. 000244

7/12/2024

**STATE OF MISSOURI**  
BENJAMIN A. ROSS  
REGISTERED PROFESSIONAL ENGINEER  
E-30054  
*Benjamin A. Ross*

**MU**

Project CP233041  
**VETERINARY SCIENCE BUILDING DEMOLITION**  
1509 ROLLINS ST.  
COLUMBIA, MO  
University of Missouri  
For: The Curators of the University of Missouri

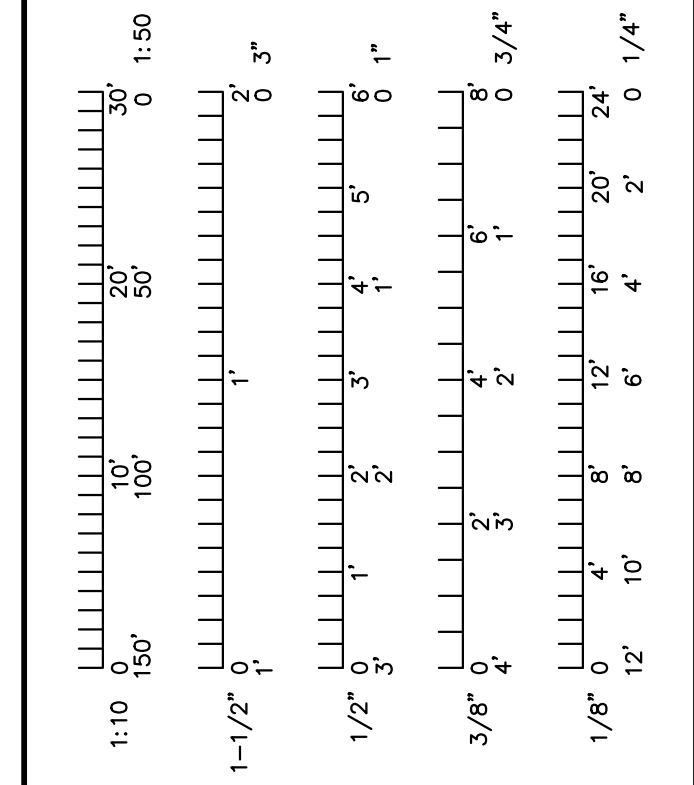
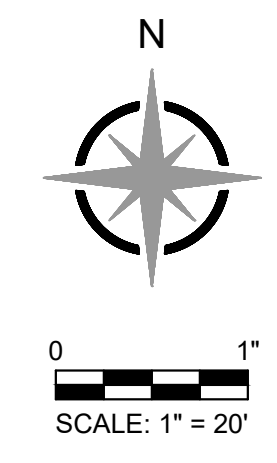
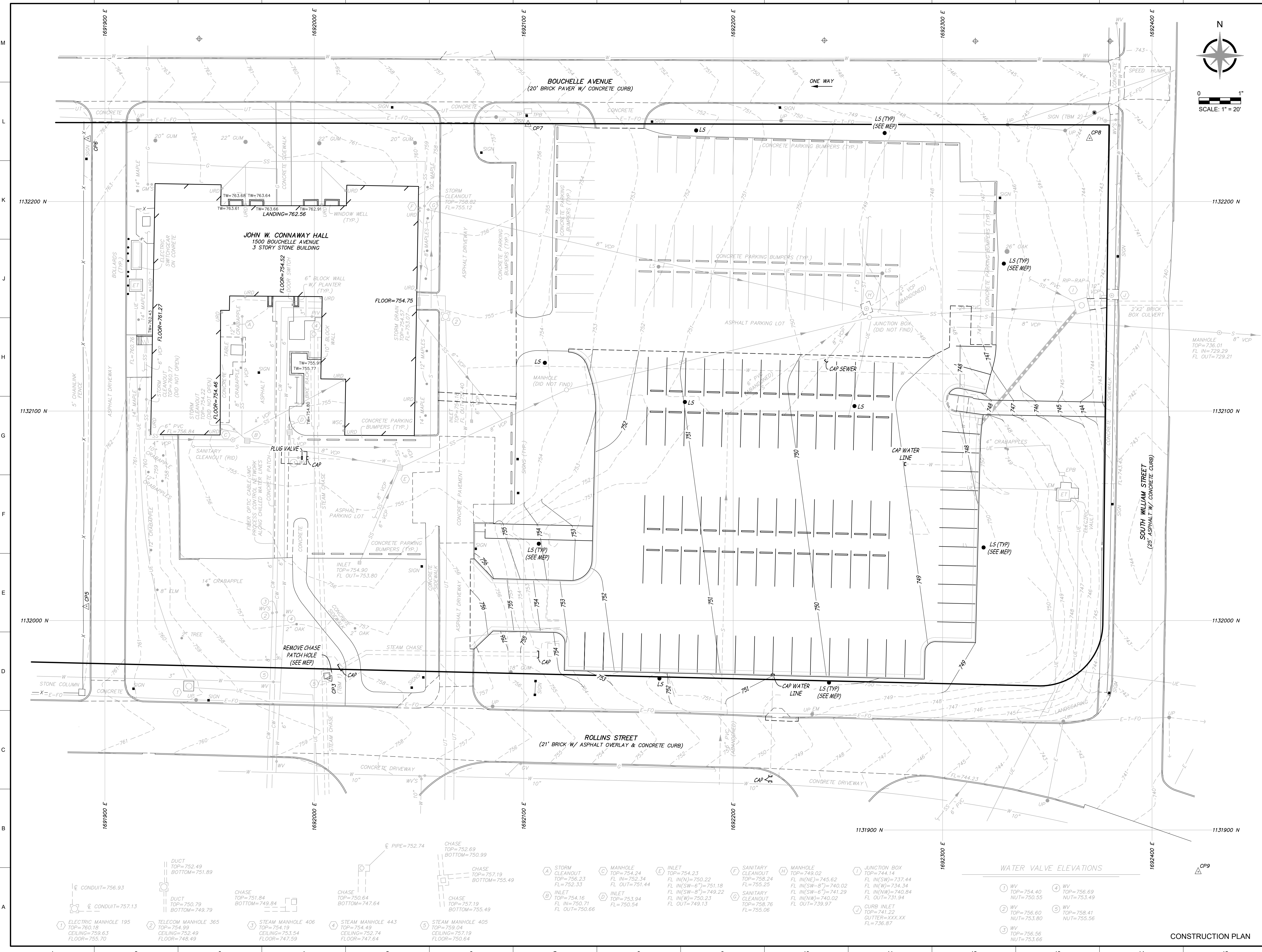
Drawn:	RTM	Project Number:	202403
Checked:	BAR	CAD File Name (Number):	BAR
Drawing Title: <b>GRADING &amp; DRAINAGE PLAN</b>			
No.	Revisions:	Date:	
Submission Date:		Drawing Number:	
07/12/2024		<b>C5.01</b>	
Plot Date:		07/11/2024	

**WATER VALVE ELEVATIONS**

- 1 WV TOP=754.40 NUT=750.55
- 2 WV TOP=756.60 NUT=753.80
- 3 WV TOP=756.56 NUT=753.66
- 4 WV TOP=755.69 NUT=753.49
- 5 WV TOP=758.41 NUT=755.56

- 1 ELECTRIC MANHOLE 195 TOP=760.18 CEILING=759.63 FLOOR=755.70
- 2 TELECOM MANHOLE 365 TOP=754.99 CEILING=753.54 FLOOR=748.49
- 3 STEAM MANHOLE 406 TOP=754.19 CEILING=753.54 FLOOR=747.59
- 4 STEAM MANHOLE 443 TOP=754.19 CEILING=752.74 FLOOR=747.64
- 5 STEAM MANHOLE 405 TOP=759.04 CEILING=757.19 FLOOR=750.64
- 6 CONDUIT=756.93
- 7 CONDUIT=757.13
- 8 CHASE TOP=751.84 BOTTOM=749.84
- 9 CHASE TOP=750.64 BOTTOM=747.64
- 10 CHASE TOP=757.19 BOTTOM=755.49
- 11 CHASE TOP=757.19 BOTTOM=755.49
- 12 PIPE=752.74
- 13 CHASE TOP=752.69 BOTTOM=750.99
- 14 CHASE TOP=757.19 BOTTOM=755.49
- 15 CHASE TOP=757.19 BOTTOM=755.49
- 16 STORM CLEANOUT TOP=756.23 FL IN=752.34 FL OUT=751.44
- 17 INLET TOP=754.16 FL IN=750.71 FL OUT=750.66
- 18 INLET TOP=753.94 FL IN=750.23 FL OUT=750.54
- 19 INLET TOP=754.23 FL IN(N)=750.22 FL IN(SW-6")=751.18 FL IN(SW-8")=749.22 FL IN(W)=750.23 FL OUT=749.13
- 20 SANITARY CLEANOUT TOP=758.24 FL IN(NE)=745.62 FL IN(SW-8")=740.02 FL IN(SW-6")=741.29 FL IN(W)=740.02 FL OUT=739.97
- 21 SANITARY CLEANOUT TOP=758.76 FL=755.06
- 22 MANHOLE TOP=749.02 FL IN(NE)=745.62 FL IN(SW-8")=740.02 FL IN(SW-6")=741.29 FL IN(W)=740.84 FL OUT=731.96
- 23 JUNCTION BOX TOP=744.14 FL IN(SW)=737.44 FL IN(W)=734.34 FL IN(NW)=740.84 FL OUT=731.96
- 24 CURB INLET TOP=741.22 GUTTER=XXX.XXX FL=736.87

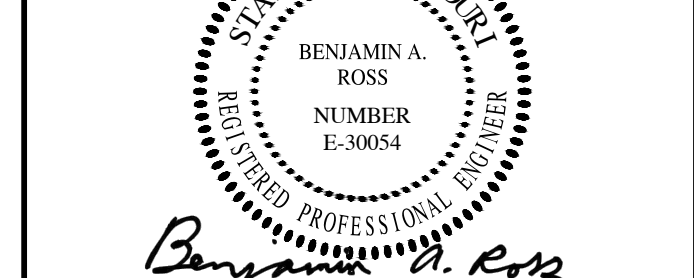
CONSTRUCTION PLAN



**Introba**

**ES&S**  
Engineering Surveys & Services  
DELIVERING YOUR VISION™  
1113 Fay Street, Columbia, MO 65201  
873-449-2646  
www.es-inc.com  
MO Engineering Corp. # 2004005018  
ES&S JOB NO. 16222

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

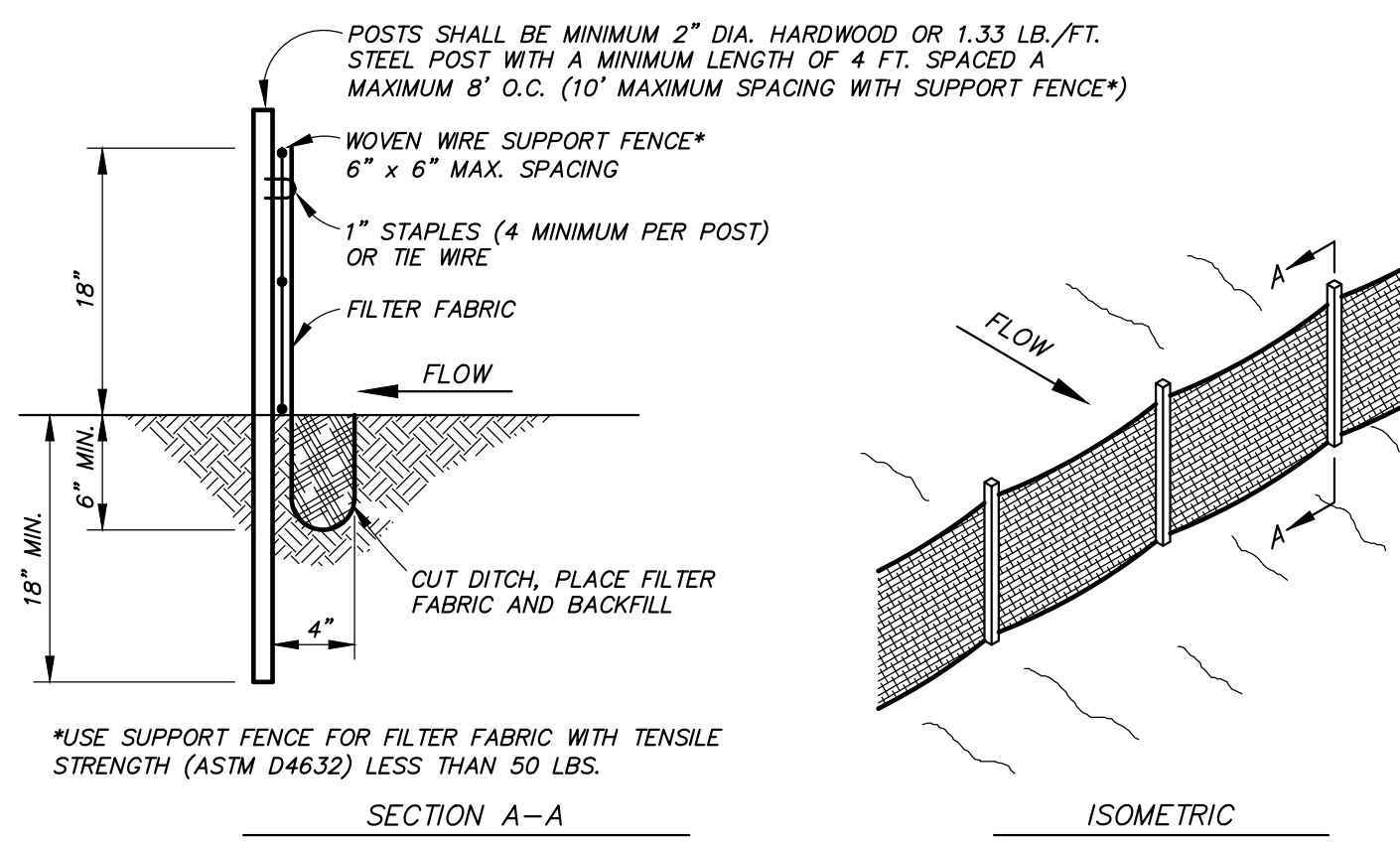


**MU**

Project CP233041  
VETERINARY SCIENCE  
BUILDING DEMOLITION  
1509 ROLLINS ST.  
COLUMBIA, MO  
University of Missouri  
For: The Curators of the University of Missouri

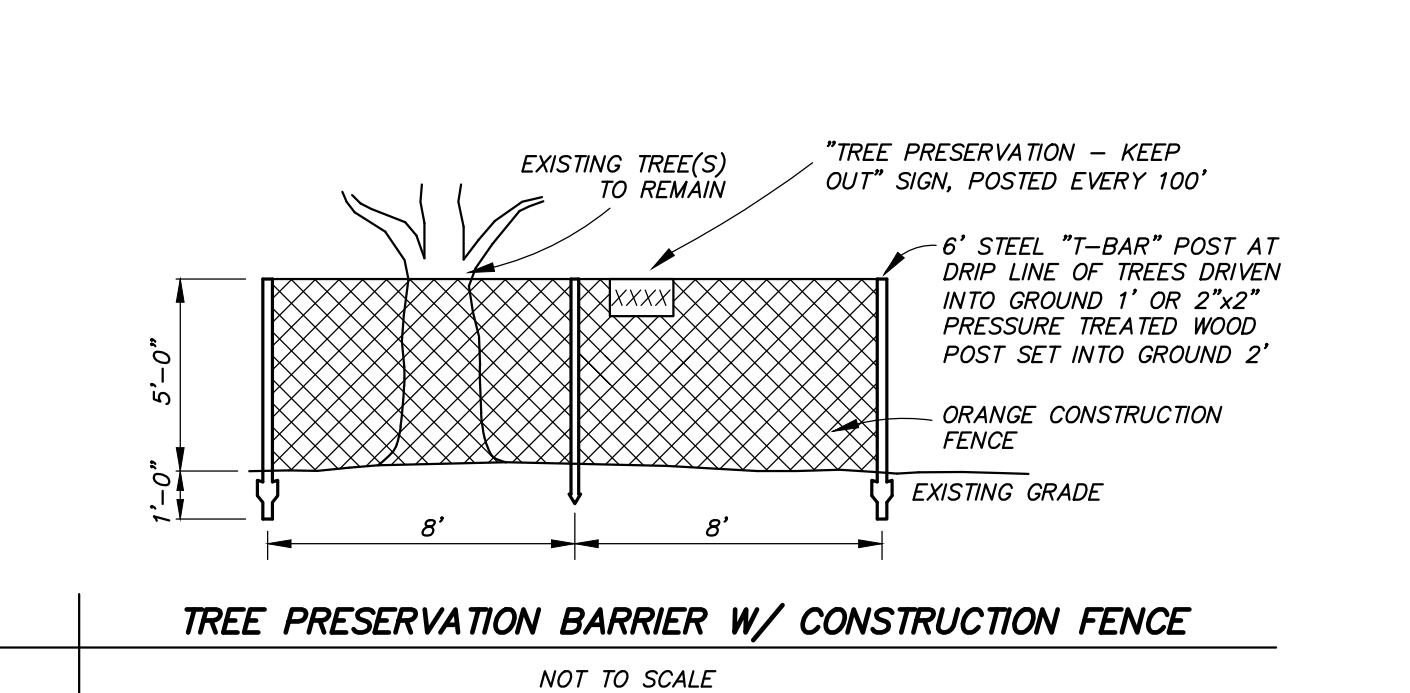
Drawn: <b>RTM</b>	Project Number: <b>202403</b>	
Checked: <b>BAR</b>	CAD File Name (Number): <b>BAR</b>	
Drawing Title: <b>UTILITY PLAN</b>		
No.	Revisions:	Date:
Submission Date: <b>07/12/2024</b>		Drawing Number: <b>C6.01</b>
Plot Date: <b>07/11/2024</b>		

CONSTRUCTION PLAN



**NOTES:**

- CONTRACTOR SHALL INSTALL SILT FENCE AT TOE OF SLOPES OF ALL AREAS AFFECTED BY CONSTRUCTION PRIOR TO ANY DISTURBANCE ON THE SITE.
- SILT FENCE SHALL REMAIN UNTIL VEGETATION HAS BEEN ESTABLISHED ON DISTURBED AREAS.
- BUILT UP SEDIMENT SHALL BE REMOVED FROM SILT FENCE WHEN IT HAS REACHED ONE-THIRD THE HEIGHT OF THE FENCE.
- 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.
- CONTRACTOR SHALL REMOVE ALL SILT FENCES WHEN ALL DISTURBED AREAS ARE COVERED WITH A MINIMUM 80% VEGETATION. SEED AND MULCH ALL AREAS DISTURBED DURING REMOVAL.



**NOTES:**

- CURB AND GUTTER MAY BE INTEGRAL IF CONCRETE PAVEMENT IS USED.
- INSTALL TRANSVERSE EXPANSION JOINTS TO MATCH ADJACENT PAVEMENT, OR AT EVERY 150' MAX.
- INSTALL SAW-CUT JOINTS TO MATCH ADJACENT PAVEMENT OR EVERY 10' MAX.
- SAW-CUT JOINTS SHALL EXTEND THROUGH THE ENTIRE CURB SECTION FROM THE TOP OF CURB TO A DEPTH OF 2\"/>

**Gutterbuddy™ Specification**  
For Curb Gutter Storm Drains

**10 Description**

**11** 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 Cardwell Road  
Richmond, Virginia 23234  
Phone: 800-448-3636 • Fax: 804-743-7779  
www.acfenvironmental.com

**20 Materials**

**21 GUTTERBUDDY™**

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

**21.1** The Gutterbuddy™ will be manufactured to be 9\"/>

**30 Construction Sequence**

**31 General**

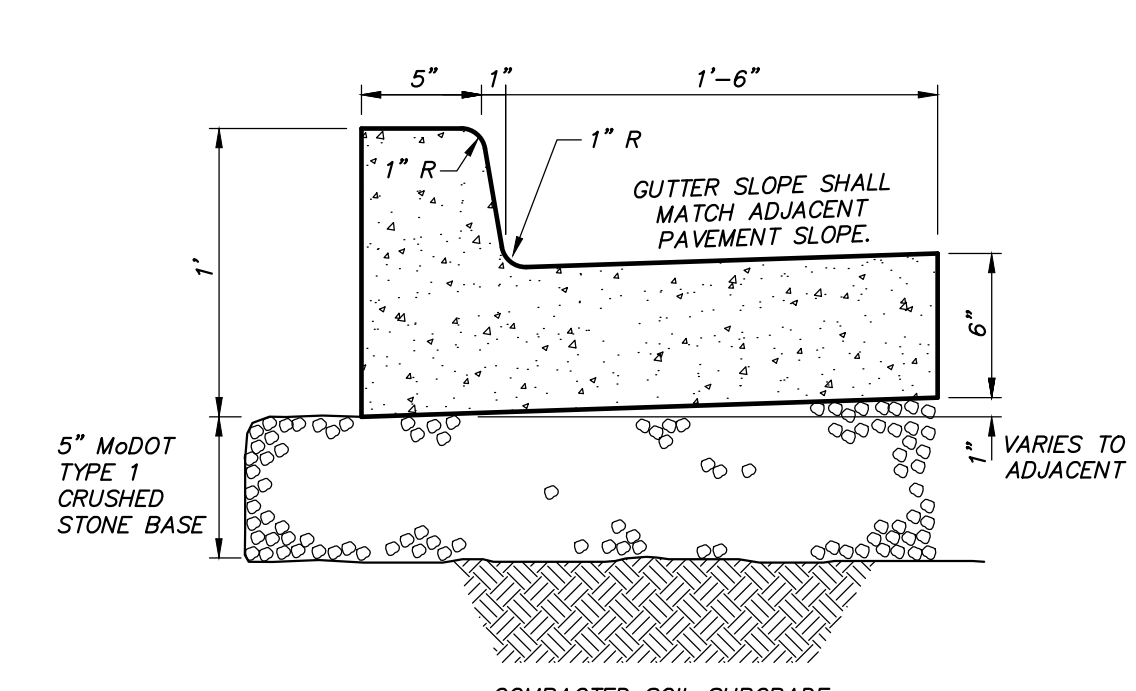
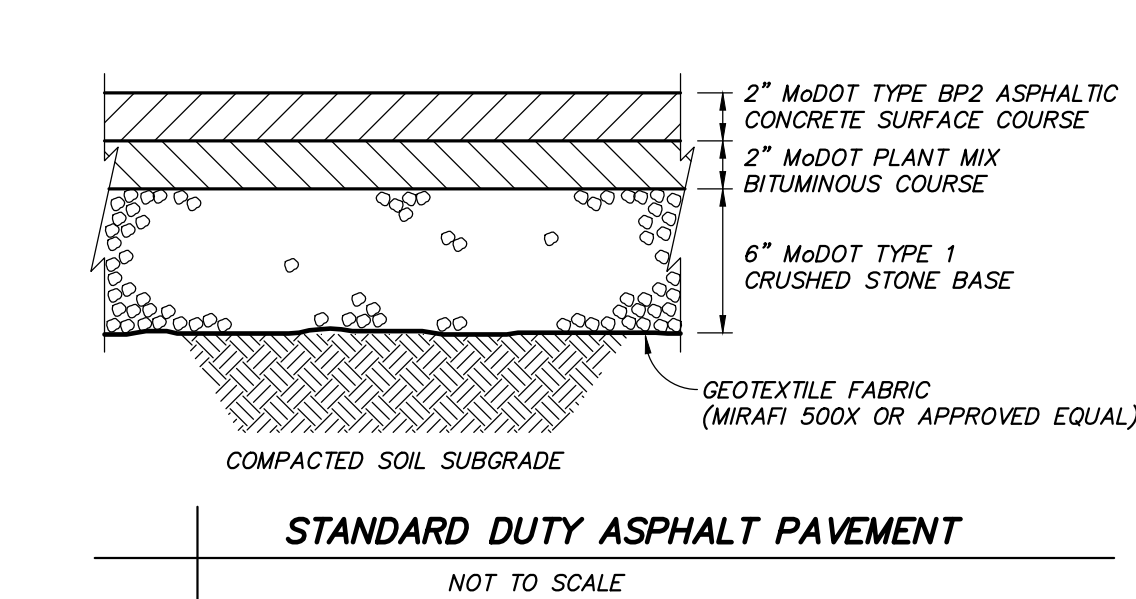
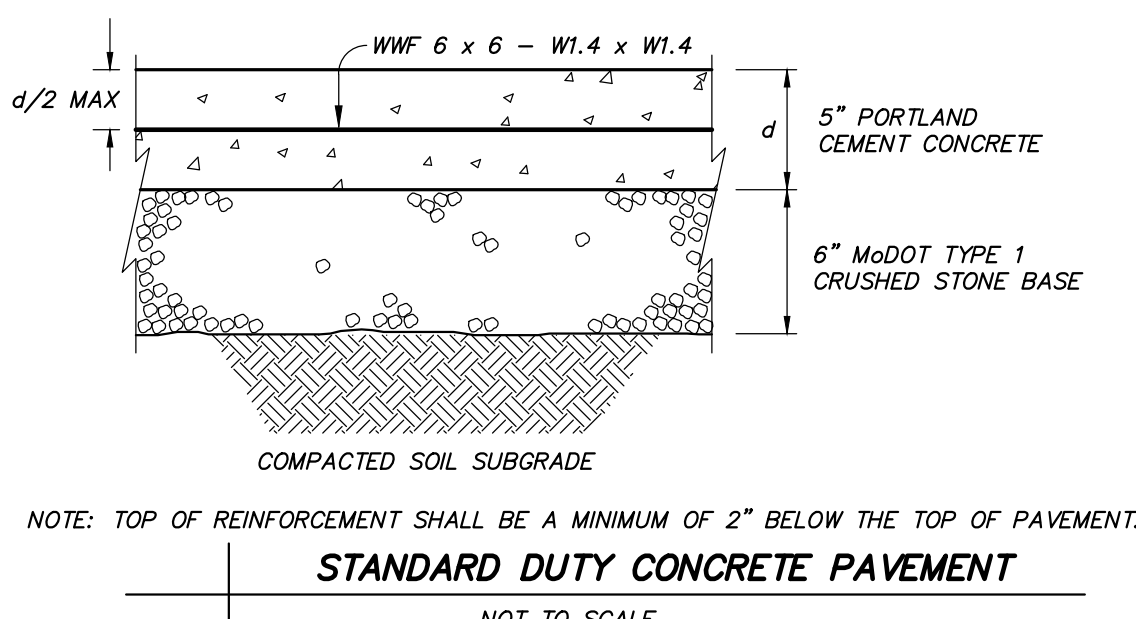
**31.1** Install the Gutterbuddy™ in front of the curb inlet opening. Each end of the Gutterbuddy™ should overlap the curb inlet approximately 12\"/>

**ACF Environmental**  
"Complete Source for Storm Water Solutions"

**THE BMP STORES**

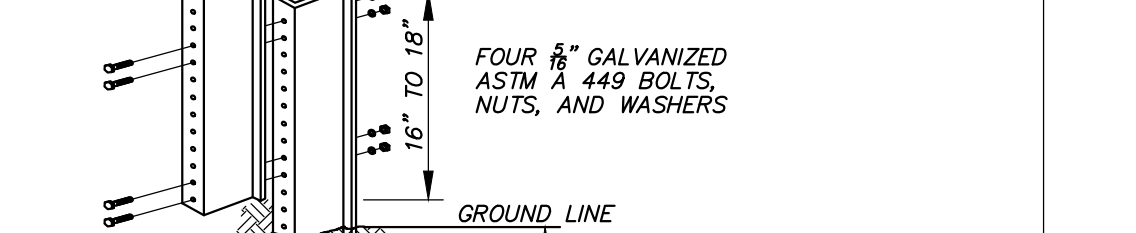
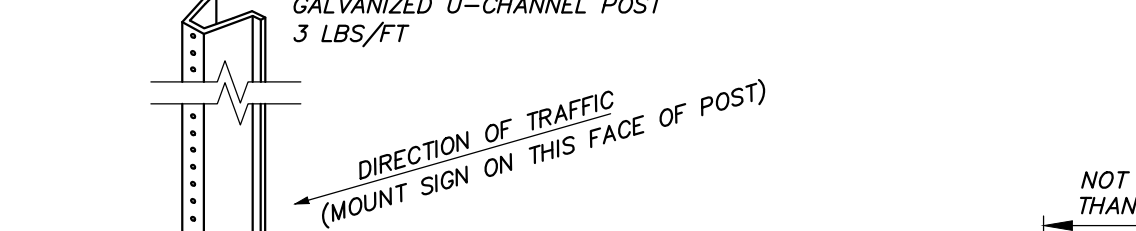
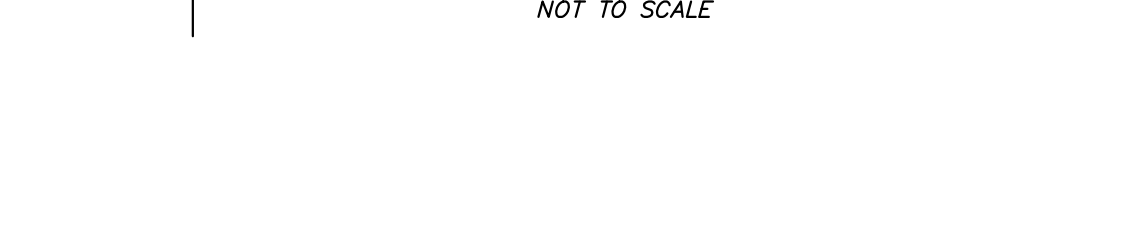
Distributed by:

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



**NOTES:**

- CONTRACTOR SHALL INSTALL SILT FENCE AT TOE OF SLOPES OF ALL AREAS AFFECTED BY CONSTRUCTION PRIOR TO ANY DISTURBANCE ON THE SITE.
- SILT FENCE SHALL REMAIN UNTIL VEGETATION HAS BEEN ESTABLISHED ON DISTURBED AREAS.
- BUILT UP SEDIMENT SHALL BE REMOVED FROM SILT FENCE WHEN IT HAS REACHED ONE-THIRD THE HEIGHT OF THE FENCE.
- 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.
- CONTRACTOR SHALL REMOVE ALL SILT FENCES WHEN ALL DISTURBED AREAS ARE COVERED WITH A MINIMUM 80% VEGETATION. SEED AND MULCH ALL AREAS DISTURBED DURING REMOVAL.

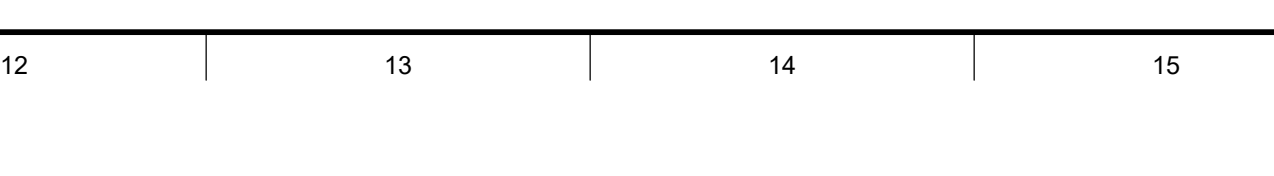
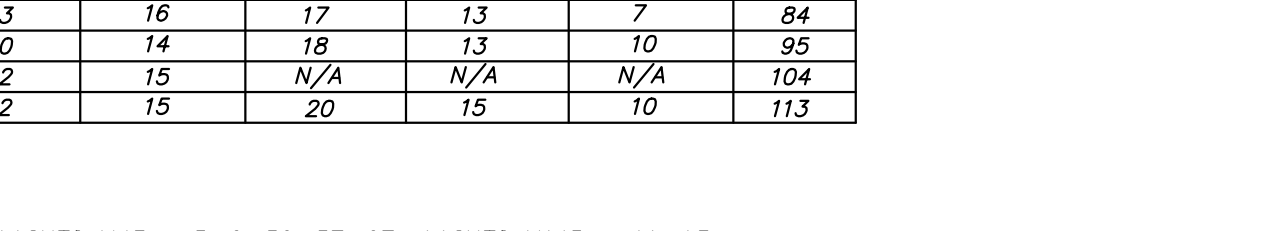
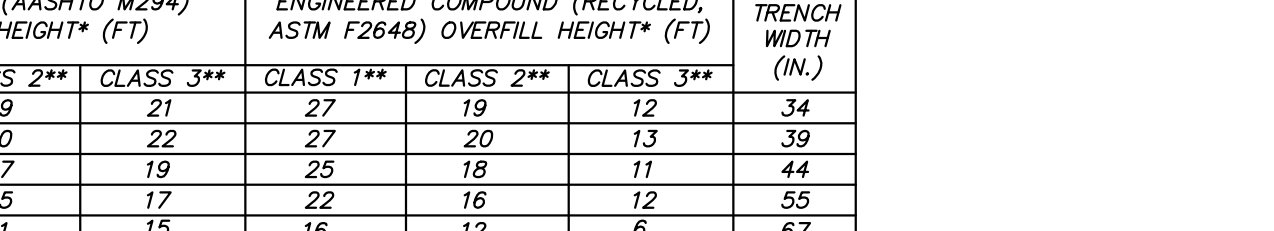
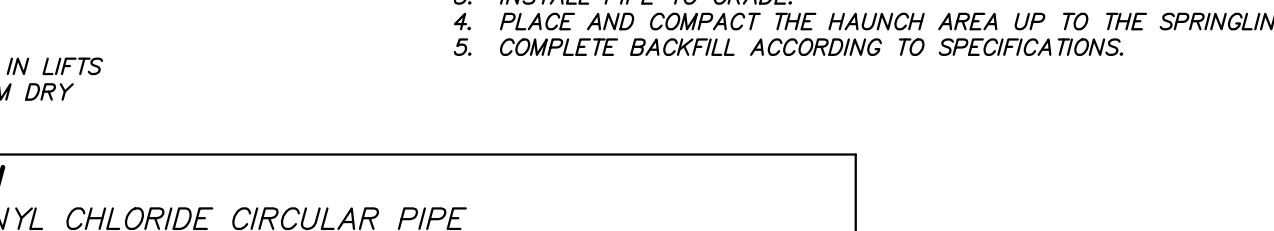
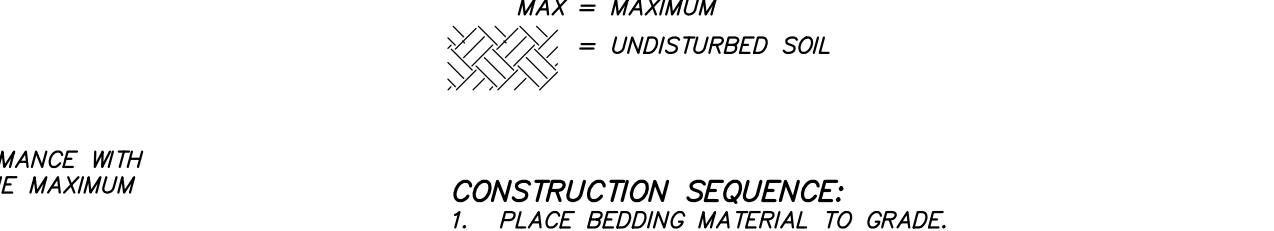
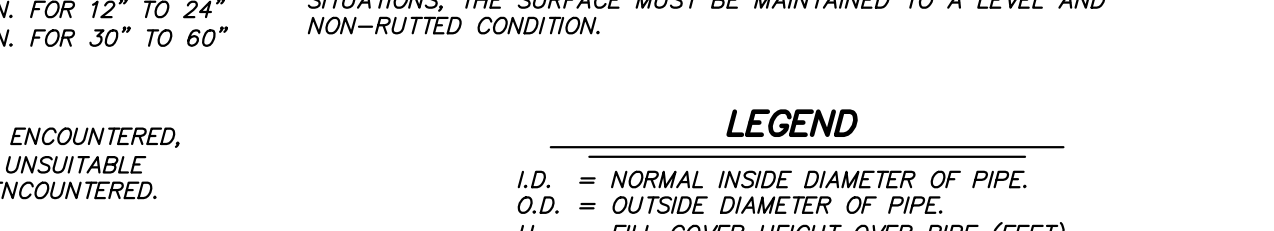
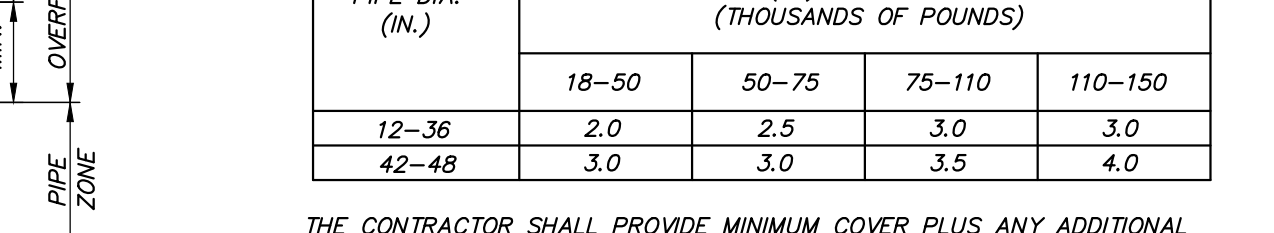
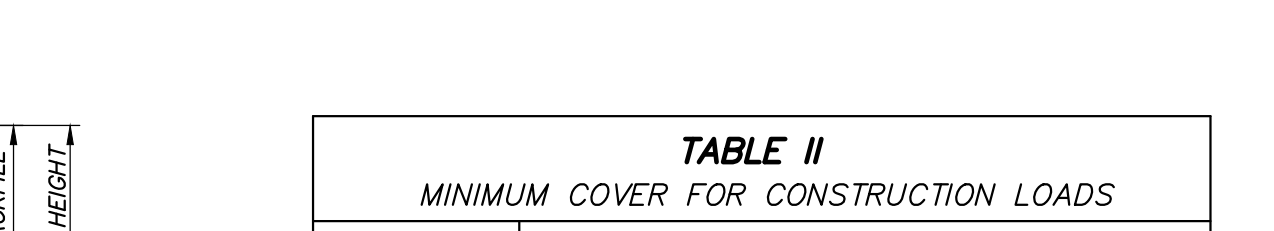
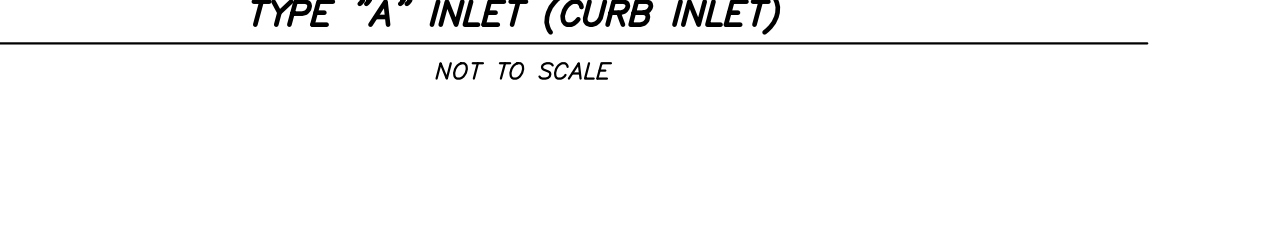
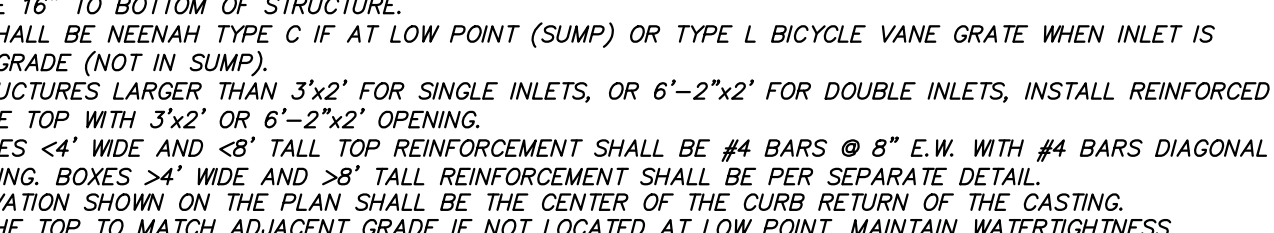
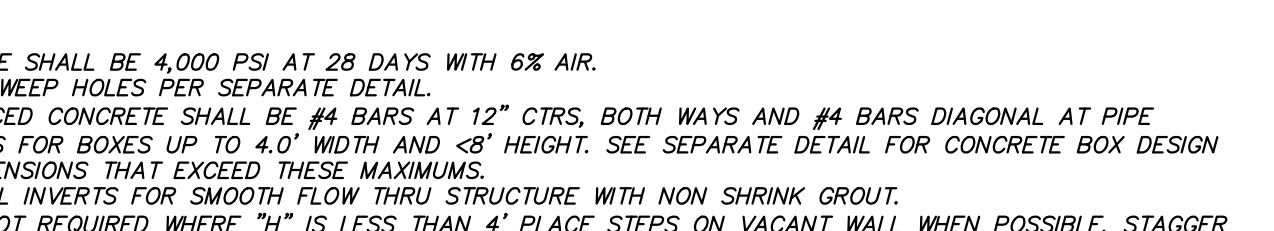
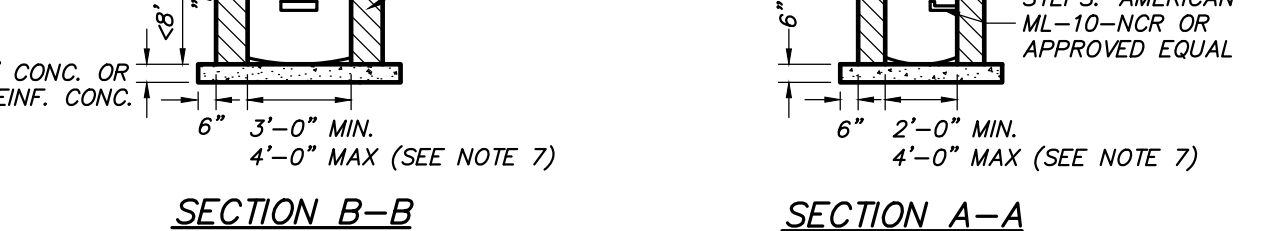
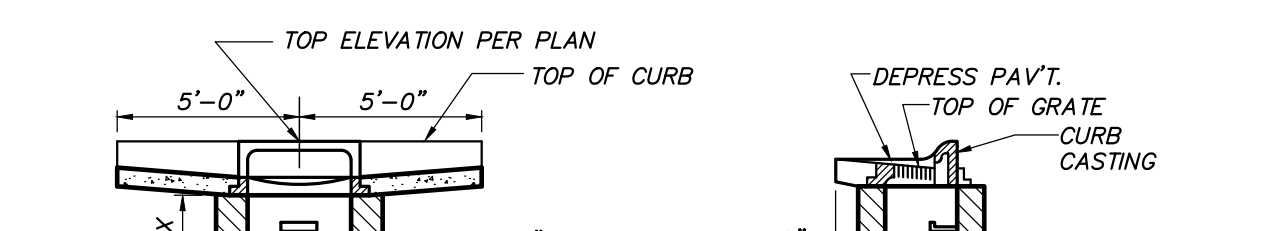
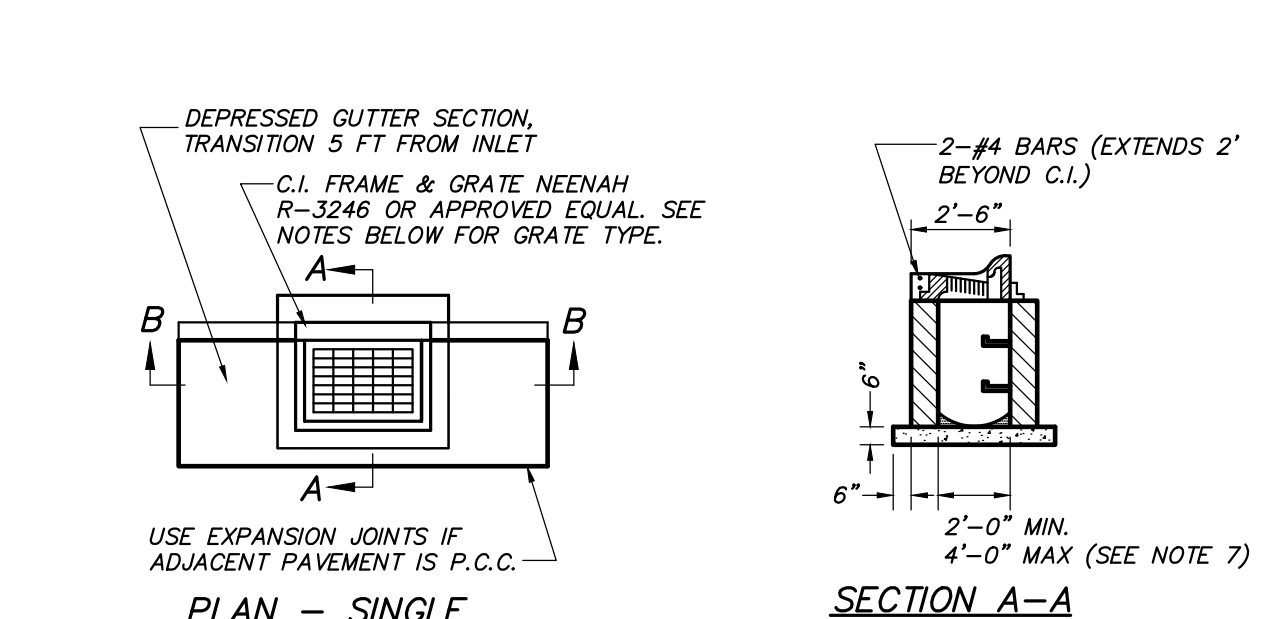
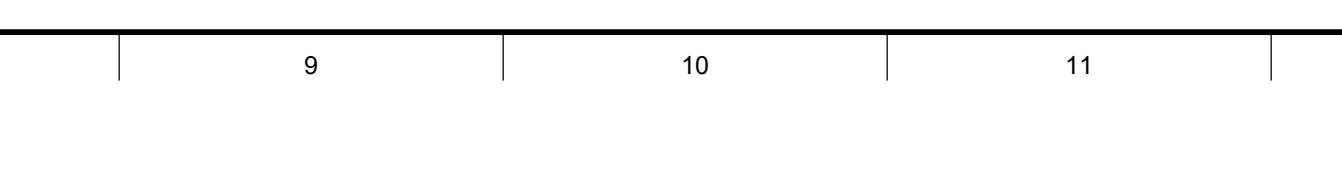
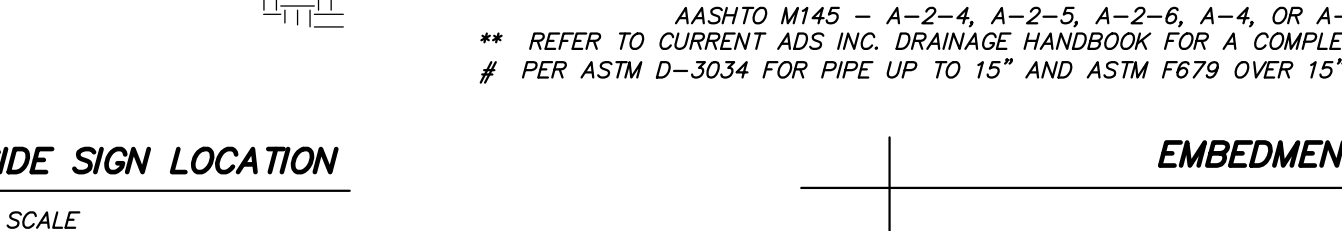
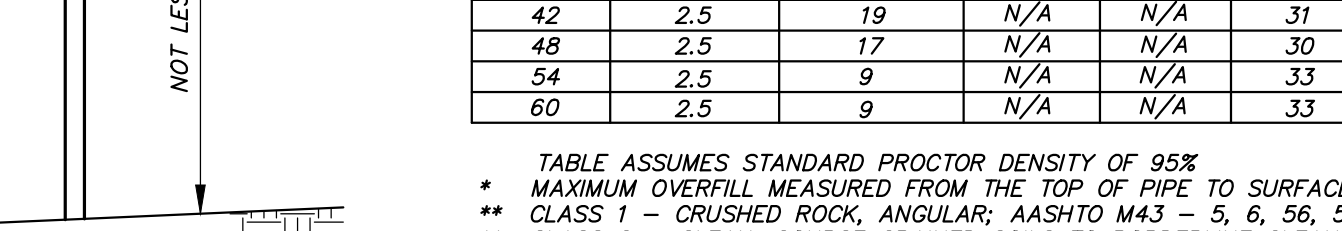
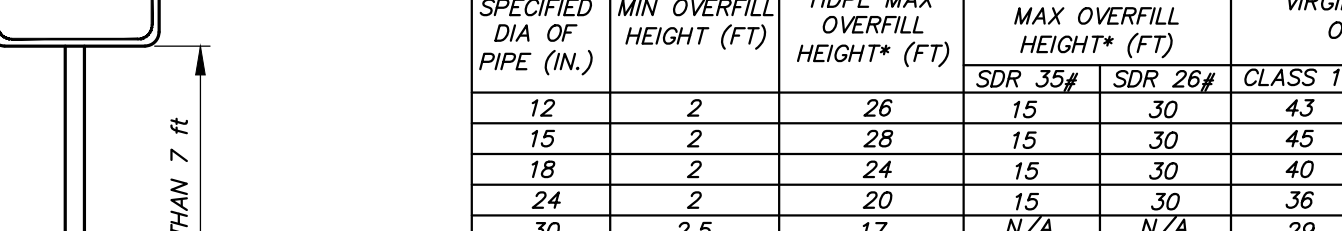
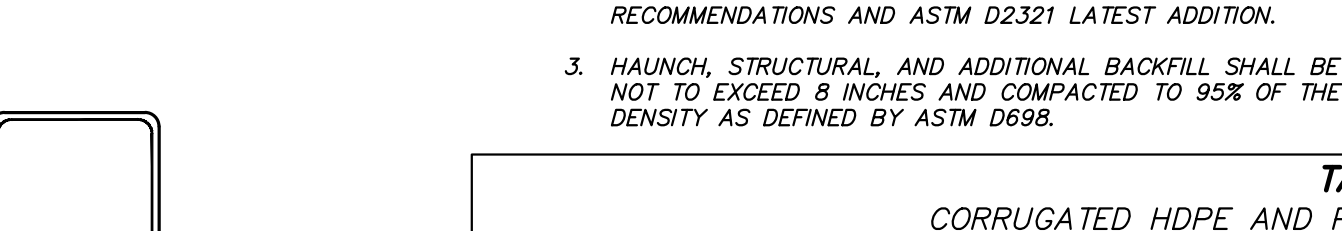
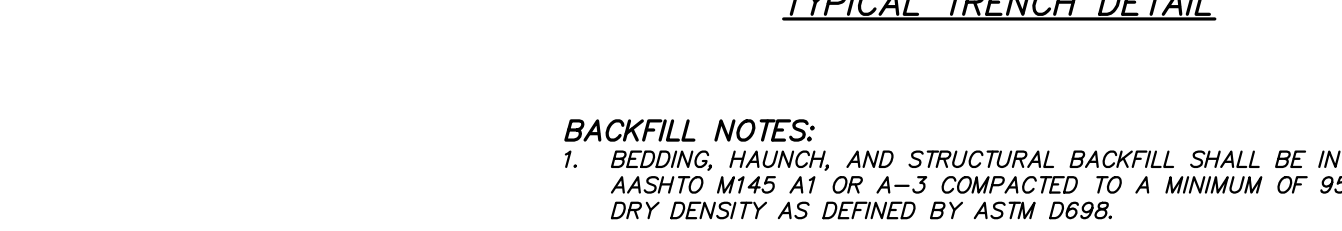
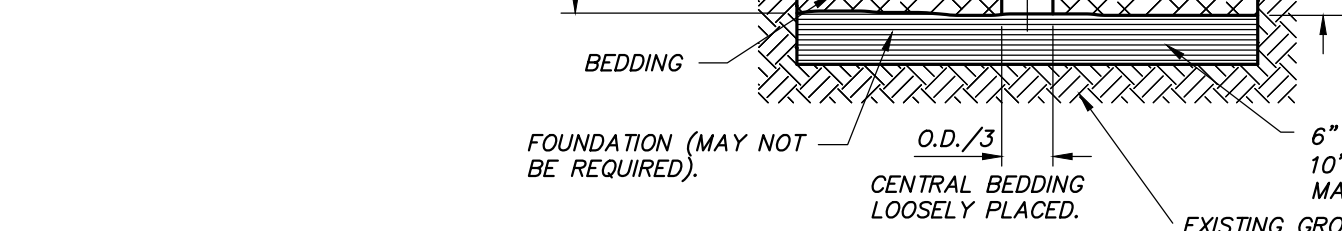
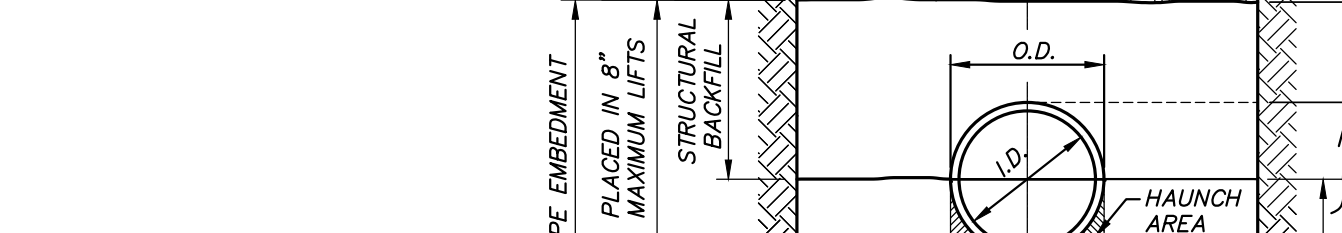
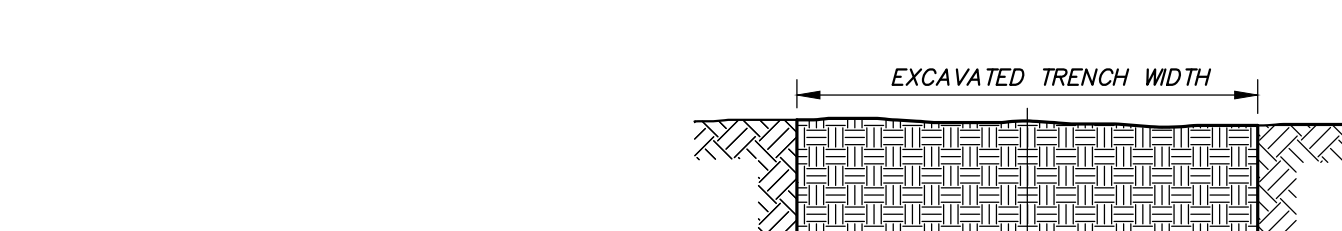
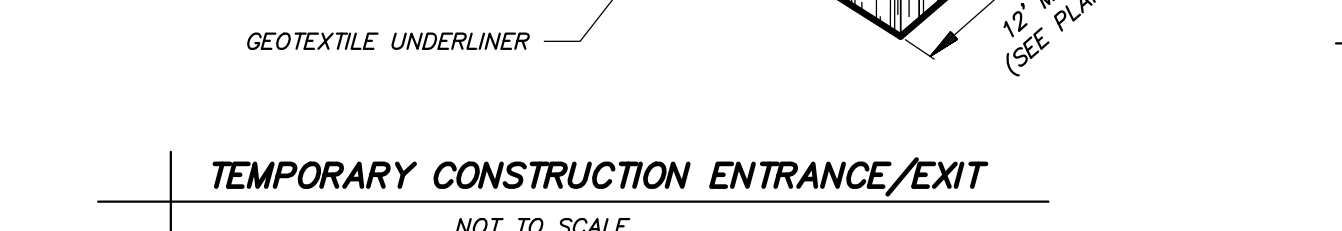
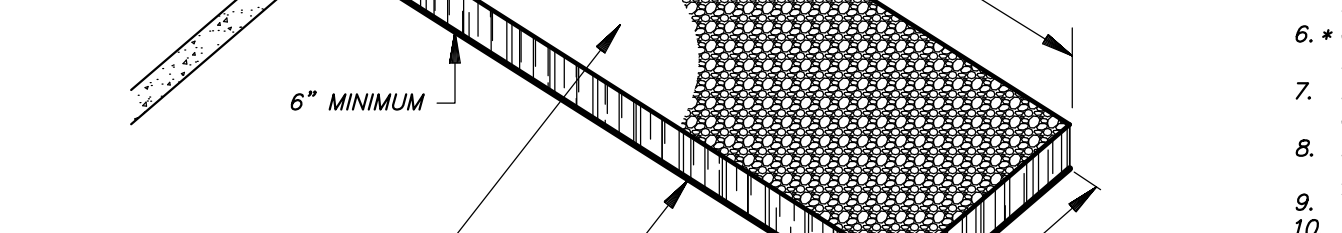
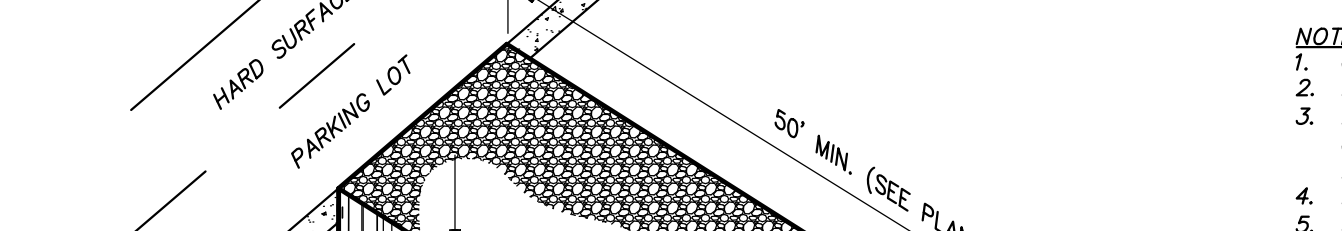
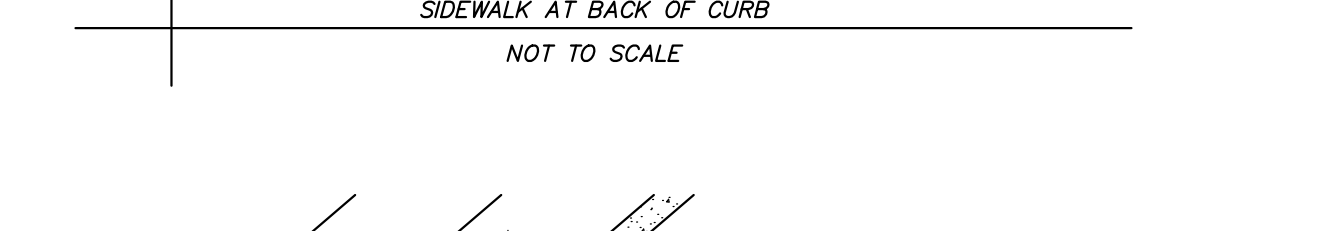
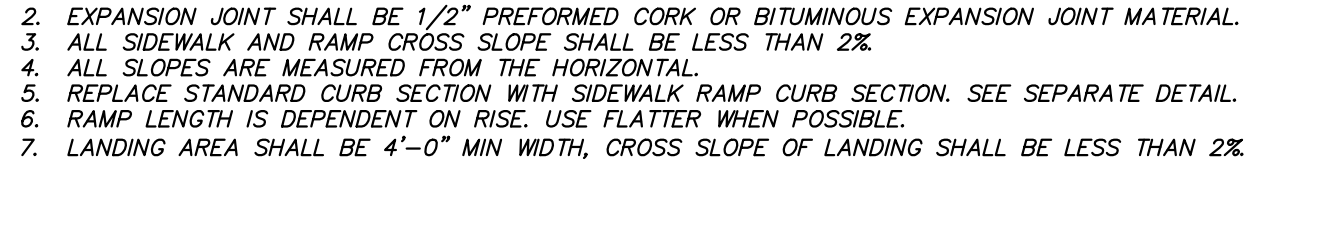
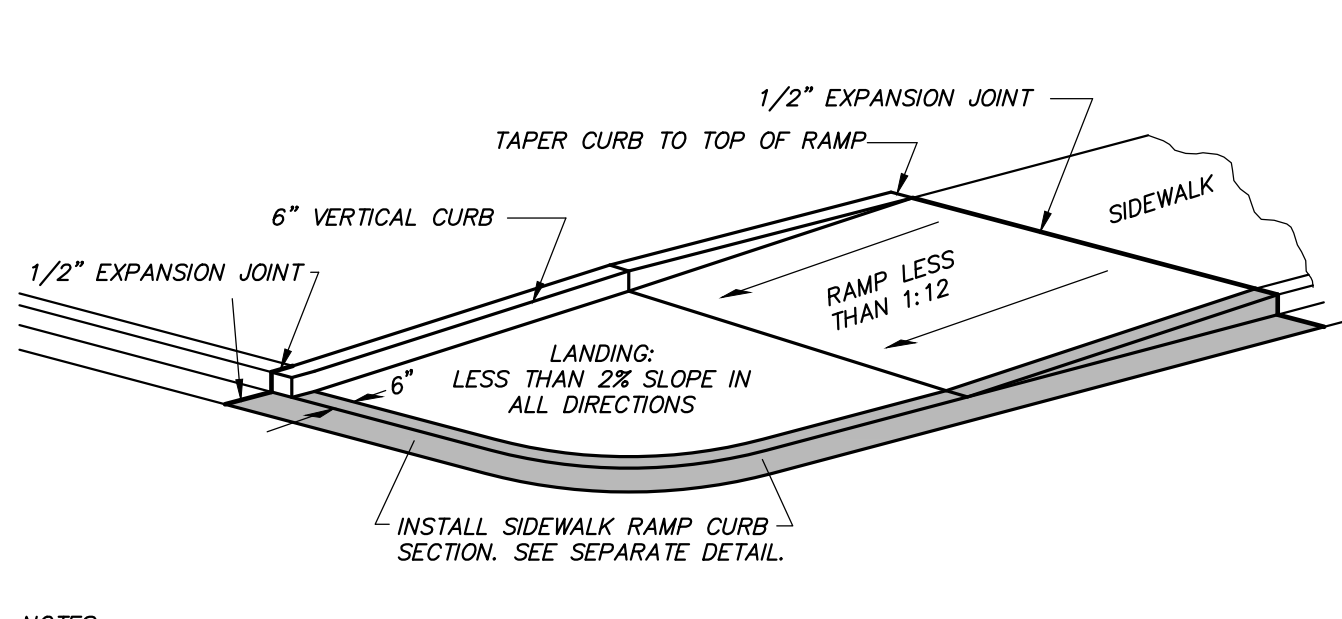


**TABLE I**  
CORRUGATED HDPE AND POLYVINYL CHLORIDE CIRCULAR PIPE

SPECIFIED DIA OF PIPE (IN.)	MIN OVERFILL HEIGHT (FT)	POLYVINYL CHLORIDE MAX OVERFILL HEIGHT* (FT)		VIRGIN RESIN (AASHTO M294) OVERFILL HEIGHT* (FT)			ENGINEERED COMPOUND (RECYCLED, ASTM F2649) OVERFILL HEIGHT* (FT)			TRENCH WIDTH (IN.)
		SDR 35#	SDR 26#	CLASS 1**	CLASS 2**	CLASS 3**	CLASS 1**	CLASS 2**	CLASS 3**	
12	2	26	15	30	27	19	27	20	13	34
15	2	28	15	30	45	30	22	20	13	39
18	2	24	15	30	40	27	19	25	11	44
24	2	20	15	30	36	25	17	22	16	55
30	2.5	17	N/A	N/A	29	21	15	16	12	67
36	2.5	19	N/A	N/A	34	23	16	21	15	76
42	2.5	19	N/A	N/A	31	23	16	17	13	84
48	2.5	17	N/A	N/A	30	20	14	18	13	95
54	2.5	9	N/A	N/A	33	22	15	N/A	N/A	104
60	2.5	9	N/A	N/A	33	22	15	20	15	113

**TABLE II**  
MINIMUM COVER FOR CONSTRUCTION LOADS

PIPE DIA. (IN.)	MINIMUM COVER (FT) FOR INDICATED AXLE LOADS (THOUSANDS OF POUNDS)			
	18-50	50-75	75-110	110-150
12-36	2.0	2.5	3.0	3.0
42-48	3.0	3.0	3.5	4.0



**Introba**  
Engineering Surveys & Services  
DELIVERING YOUR VISION™  
1113 Fay Street, Columbia, MO 65201  
873-449-2646  
www.ess-inc.com  
MO Engineering Corp. # 2004005018  
ES&S JOB NO. 16222

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

**STATE OF MISSOURI**  
BENJAMIN A. ROSS  
REGISTERED PROFESSIONAL ENGINEER  
NUMBER E-30054  
7/12/2024  
Benjamin A. Ross

**MU**  
Project CP233041  
VETERINARY SCIENCE BUILDING DEMOLITION  
1509 ROLLINS ST.  
COLUMBIA, MO  
University of Missouri  
For: The Curators of the University of Missouri

**RTM** Project Number: 202403  
**Checked:** CAD File Name (Number): BAR  
**Drawing Title:** SITE, EROSION CONTROL, & STORM SEWER DETAILS

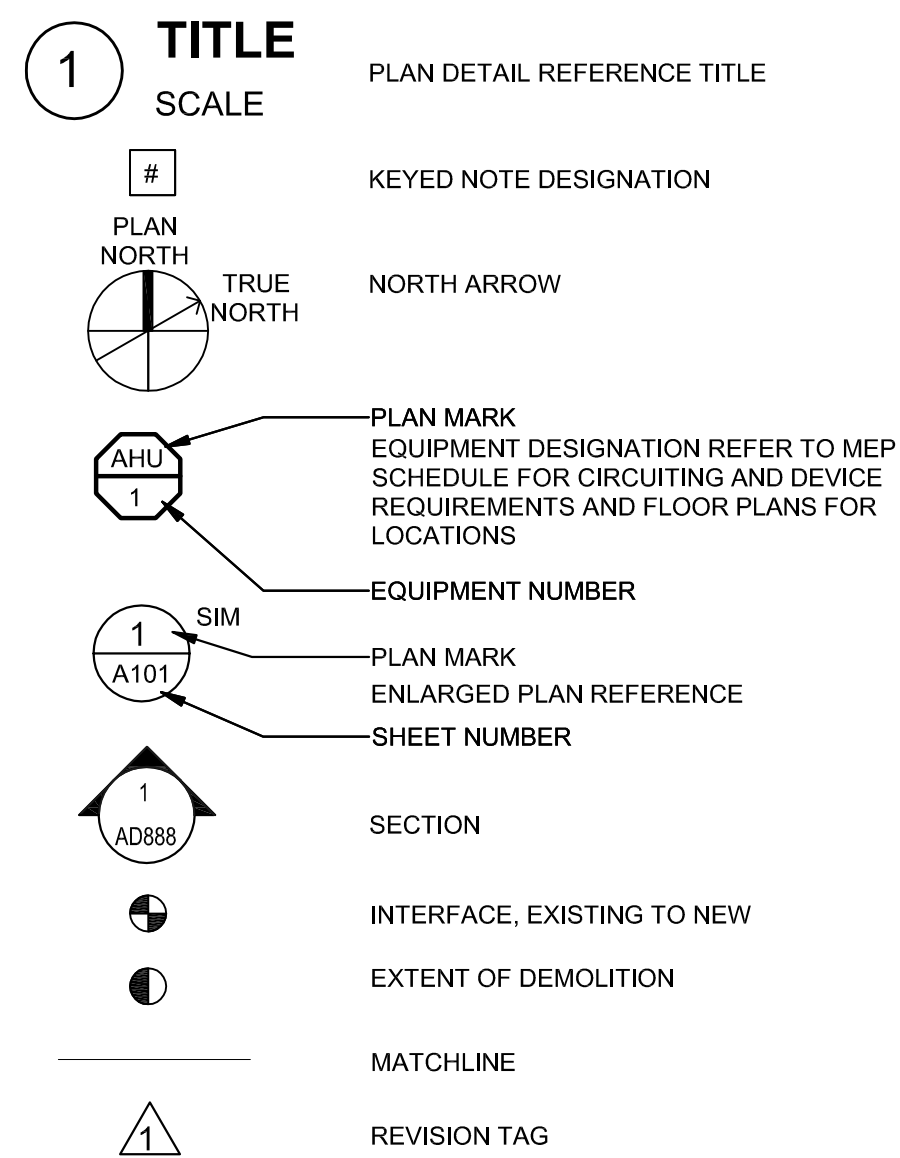
No. Revisions: Date:  
Submission Date: 07/12/2024  
Plot Date: 07/11/2024  
Drawing Number: C7.01

CONSTRUCTION PLAN

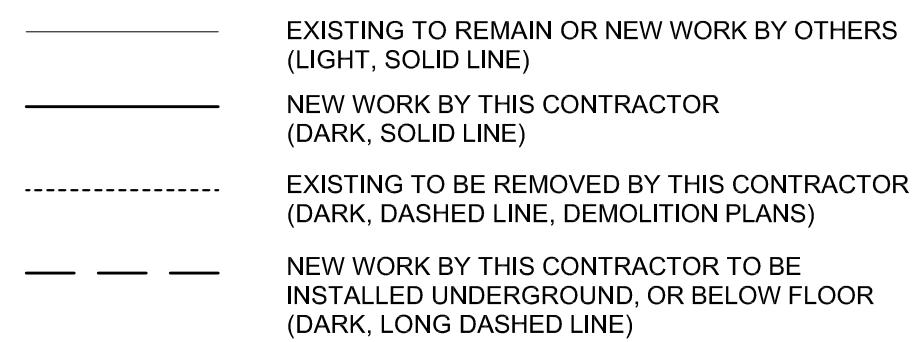
### ABBREVIATIONS

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 COMMUNICATIONS
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
EW	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
GF1 OR GF2	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
NIC	NIGHT LIGHT
NL	NIGHT LIGHT
N.O.	NORMALLY OPEN
NTS	NOT TO SCALE
OC	ON CENTER
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED, OWNER INSTALLED
ONT	OPTICAL NETWORK TERMINAL
P	POLE
PR	PAIR
PVC	POLYVINYL CHLORIDE
R	RELAY
REF	REFRIGERATOR
RGS	RIGID GALVANIZED STEEL CONDUIT
RM	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
Z	IMPEDANCE

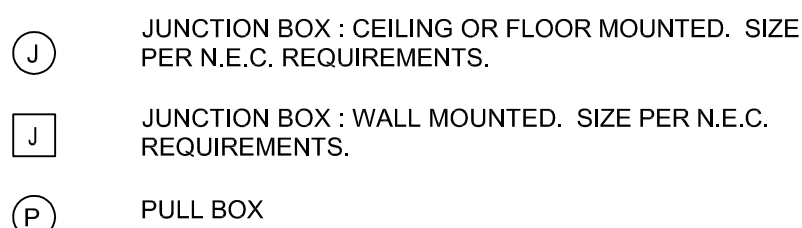
### DRAWING REFERENCES



### LINE TYPE LEGEND



### JUNCTION AND PULL BOXES

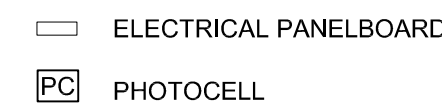


### LIGHTING FIXTURES

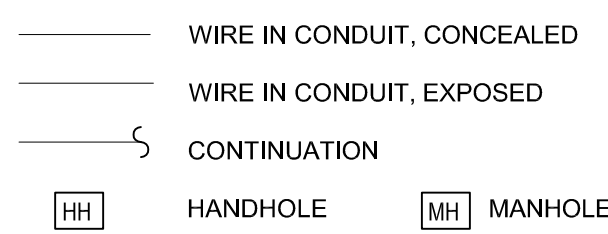


### ELECTRICAL EQUIPMENT

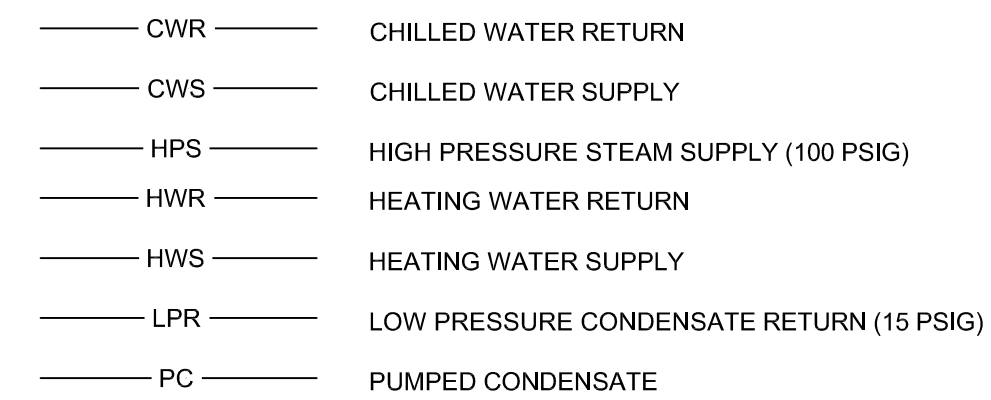
NOTE: THE ACTUAL SIZE OF EQUIPMENT IS SHOWN ON THE DRAWINGS AND MAY DIFFER FROM WHAT IS SHOWN BELOW.



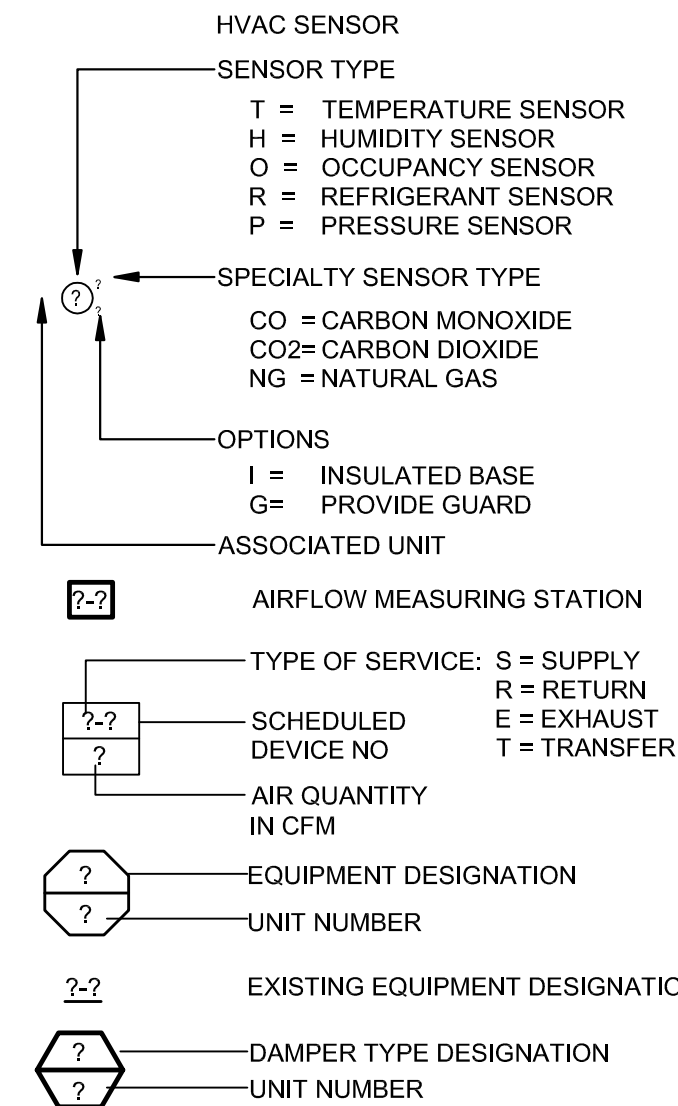
### RACEWAYS



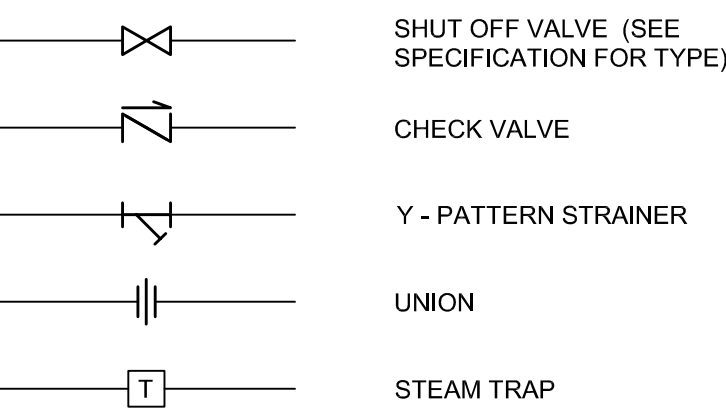
### PIPE SYSTEM ABBREVIATIONS



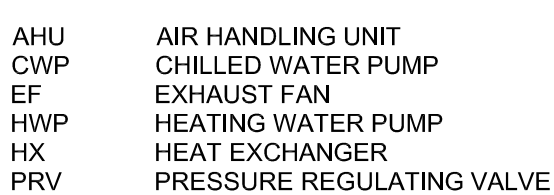
### MECHANICAL SYMBOLS



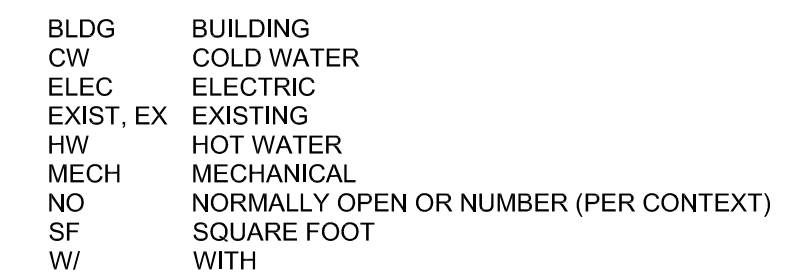
### PIPE LINE SYMBOLS



### MECH EQUIPMENT DESIGNATION

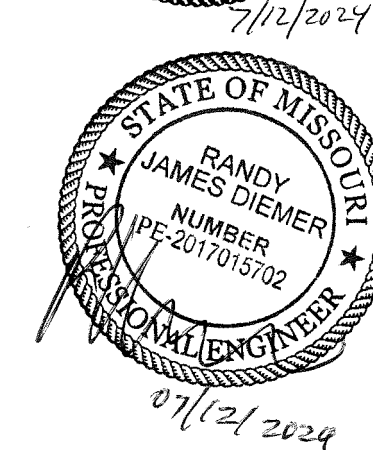
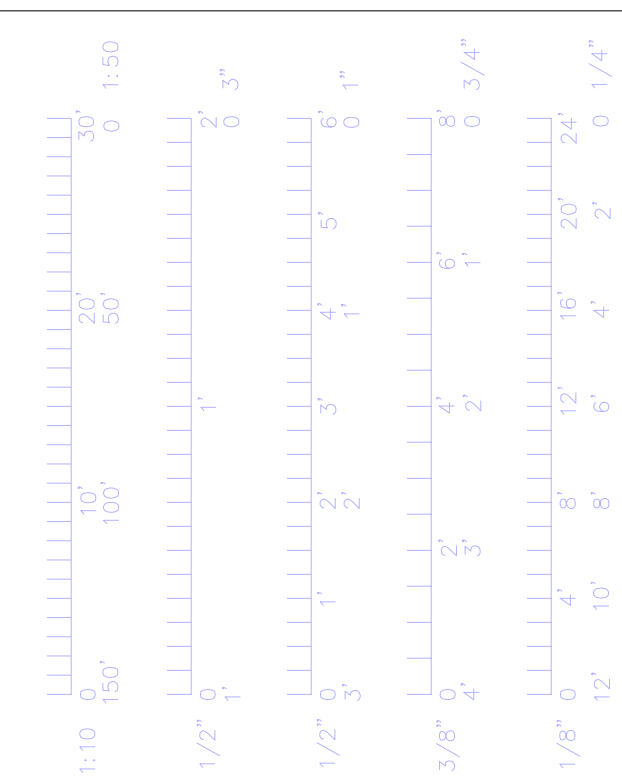


### MECHANICAL ABBREVIATIONS



### MECH MAIN GENERAL NOTES

- THE CONTRACTOR SHALL COORDINATE STAGING AND SCHEDULING WITH THE OWNER'S REPRESENTATIVE.
- EXISTING CONDITIONS ARE BASED ON INFORMATION OBTAINED FROM PREVIOUS CONSTRUCTION DOCUMENTS AND INFORMAL FIELD OBSERVATION AND SHALL NOT BE CONSTITUTED AS "AS BUILT." THE CONTRACTOR SHALL FIELD-VERIFY EXISTING CONDITIONS BEFORE THE ONSET OF CONSTRUCTION.
- DEMOLISH ALL PIPING, DUCTWORK EQUIPMENT, ETC., SHOWN TO BE REMOVED, IN ITS ENTIRETY, INCLUDING ALL HANGERS AND SUPPORTS.
- THE OWNER SHALL MAINTAIN ALL SALVAGE RIGHTS OF EQUIPMENT AND MATERIALS REMOVED. ALL EQUIPMENT AND MATERIALS NOT CLAIMED BY THE OWNER SHALL BE REMOVED FROM THE PREMISES BY THIS CONTRACTOR.



Project CP233041  
**VETERINARY SCIENCE  
 BUILDING DEMOLITION**  
 1590 ROLLINS ST.  
 COLUMBIA, MO  
 University of Missouri  
 For: The Curators of the University of Missouri

Drawn: [Blank] Project Number: 202403

Checked: [Blank] CAD File Name (Number): [Blank]

Drawing Title: MECHANICAL/ELECTRICAL SYMBOLS, ABBREVIATIONS, AND SCHEDULE

No. Revisions: [Blank] Date: [Blank]

Submission Date: 07/12/2024 Drawing Number: ME0.01

Plot Date: 07/12/2024

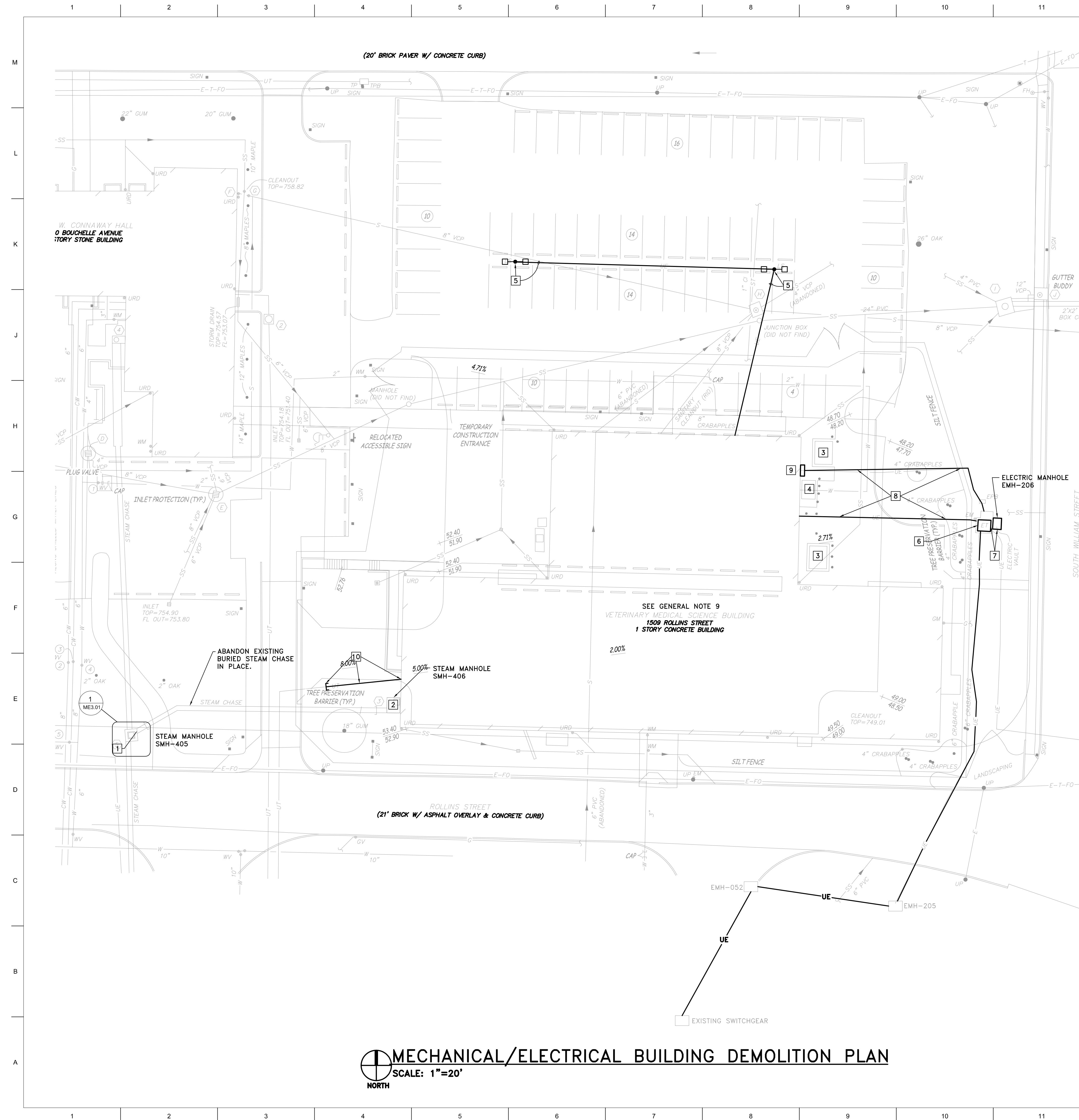
07/12/2024

### LUMINAIRE SCHEDULE

#### LUMINAIRE SCHEDULE GENERAL NOTES:

- WHEN INSTALLING LUMINAIRES, THE CONTRACTOR SHALL USE THE LUMINAIRE MANUFACTURER'S MOUNTING HARDWARE AND FOLLOW ALL MANUFACTURER'S INSTALLATION DIRECTIONS.
- ALL LUMINAIRES SHALL HAVE A U.L. LABEL.
- ALL LUMINAIRES SHALL OPERATE AT 208 VOLT, 1-PHASE AS REQUIRED BY THE CIRCUITS AND/OR PANELS TO WHICH THEY ARE CONNECTED.
- COMPLETE CATALOG NUMBER MAY NOT BE LISTED. ORDER LUMINAIRE BASED ON DESCRIPTION, PARTIAL CATALOG NUMBER AND SPECIFICATIONS. THE FIRST MANUFACTURER LISTED IS THE BASIS-OF-DESIGN.
- DO NOT VARY FROM BASIS OF DESIGN SHOWN IN THIS SCHEDULE.
- PROVIDE AND INSTALL ALL LAMP TYPES INDICATED IN LUMINAIRE SCHEDULE. LEDS SHALL HAVE A MINIMUM COLOR RENDERING INDEX (CRI) OF 80 AND SHALL HAVE COLOR TEMPERATURE OF 4000K, U.O.N.

PLAN MARK	DESCRIPTION	MANUFACTURER	REMARKS	LAMP TYPE	LED LUMENS	LED TEMP	WATTAGE	VOLTAGE
S1	POLE MOUNT LED PARKING LOT FIXTURE WITH BLACK FINISH, HOUSESIDE SHEILD - PROVIDE 25' POLE KW SSP25-4.0-11-BLK-DM10-SBC-SBP-VDI	MCGRAW EDISON, GALLEON II LED - T4FT DIST. TYPE	4 SQUARE LIGHT ENGINE	LED	16843	4000K	213 W	208V/1
S2	(2) POLE, TWIN, 180 DEGREE MOUNT LED PARKING LOT FIXTURES WITH BLACK FINISH - PROVIDE 25' POLE KW #SSP25-4-11-BLK-SM2180-SBC-SBP-VDI	MCGRAW EDISON, GALLEON II LED - 5WQ DIST. TYPE	2 SQUARE LIGHT ENGINE	LED	12445	4000K	216 W	208V/1



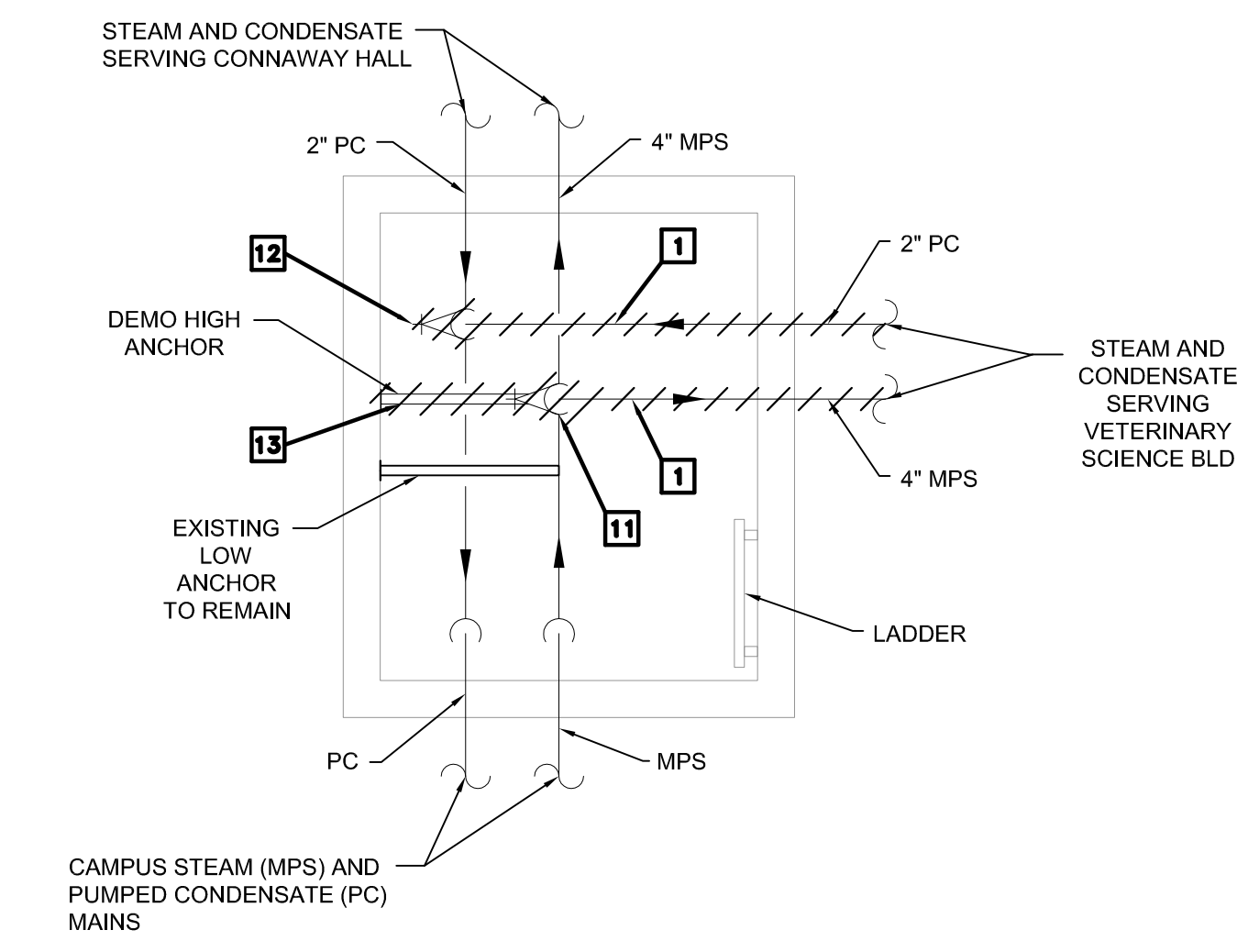
**MECHANICAL/ELECTRICAL BUILDING DEMOLITION PLAN**  
 SCALE: 1"=20'  
 NORTH

**GENERAL NOTES**

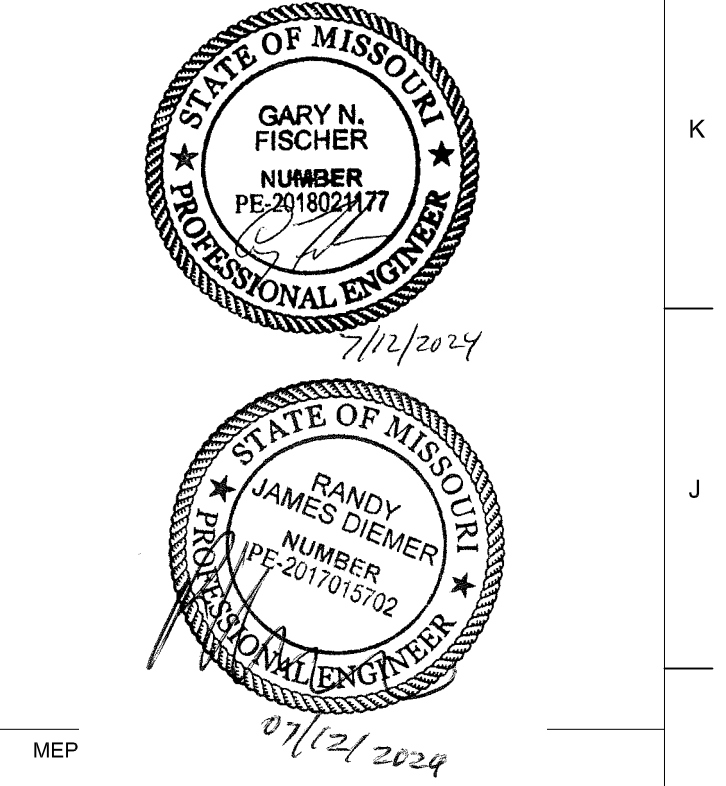
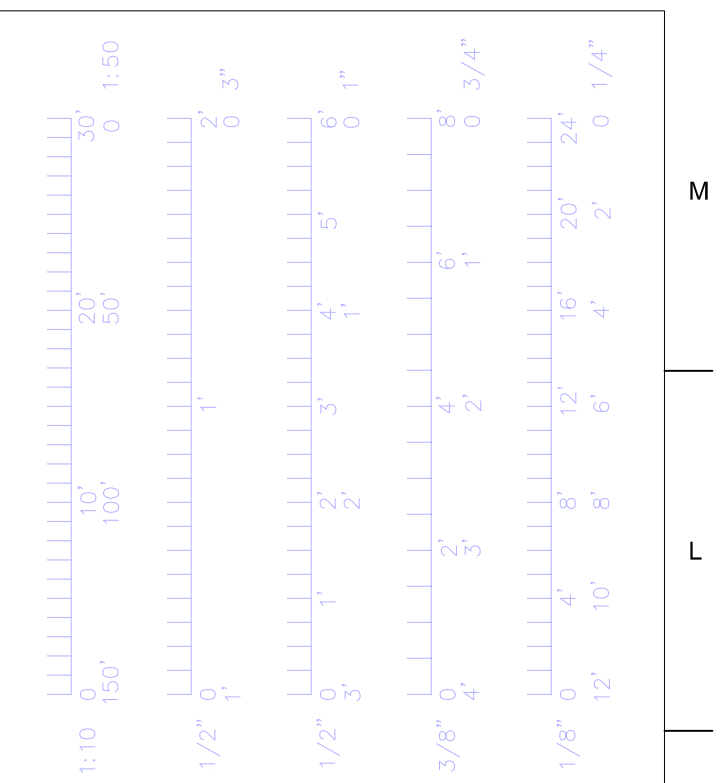
- TELECOM MANHOLES AND DUCTBANKS ARE SHOWN FOR REFERENCE. UMC DIVISION OF IT SHALL DISCONNECT AND REMOVE TELECOM CABLING FROM BUILDING(S) AS APPLICABLE TO THE DEMOLITION SCOPE. SEALING OF MANHOLES SHALL ALSO BE PERFORMED BY UMC DIVISION OF IT.
- OWNER SHALL DISCONNECT ALL MEDIUM VOLTAGE CABLING FROM EXISTING MEDIUM VOLTAGE PAD MOUNTED TRANSFORMERS AND IN EXISTING MANHOLES. COORDINATE THE DEMOLITION SCOPE OF WORK WITH OWNER PRIOR TO DEMOLITION.
- ALL EXISTING ELECTRIC MANHOLE OPENINGS MADE AVAILABLE BY DEMOLITION SHALL BE GROUTED AND SEALED WATERTIGHT. NEW MANHOLE WATERPROOFING SHALL BE APPLIED TO MAINTAIN INTEGRITY OF EXISTING MANHOLE WATERPROOFING.
- CAP ALL EXISTING CONDUITS AT ABANDONED DUCTBANKS MADE AVAILABLE BY DEMOLITION.
- OWNER WILL DISCONNECT MEDIUM VOLTAGE CABLING FROM THE EXISTING SWITCHGEAR TO SOUTH VIA EXISTING MANHOLES EMH-052 AND EMH-205 AND AT THE EXISTING VETERINARY SCIENCE BUILDING TRANSFORMER. MEDIUM VOLTAGE CABLING TO BE REMOVED BY CONTRACTOR FROM WITHIN IN ENTIRE LENGTH OF CONDUIT AND MANHOLES DESCRIBED ABOVE. MEDIUM VOLTAGE CONDUIT TO BE ABANDONED IN PLACE.
- REFER TO "UTILITY TUNNEL/MANHOLE FULL DEPTH REPAIR DETAIL" ON SHEET ME7.01 FOR STEAM MANHOLE PATCHING AND WATERPROOFING REQUIREMENTS.
- NEW PIPE CAPS ON STEAM AND CONDENSATE LINES SHALL BE WELDED CAPS AND SHALL BE INSULATED PER DIVISION 33 SPECIFICATIONS.
- FILL OPENINGS IN ENDS OF ABANDONED STEAM CHASE WITH CONCRETE/BLOCK.
- DISCONNECT AND REMOVE ALL EXISTING FIRE ALARM DEVICES AND EQUIPMENT TO INCLUDE INITIATION AND NOTIFICATION DEVICES, FIRE ALARM PANEL, DIALER, AND ANNUNCIATOR PANEL. RETURN ALL DEVICES AND EQUIPMENT TO OWNER.

**KEYED NOTES**

- REMOVE ALL BRANCH PIPING AND VALVES WITHIN MANHOLE THAT ARE ASSOCIATED WITH SERVICE TO BUILDING BEING DEMOLISHED. REMOVE CHASE AND PIPING TO 5 FT FROM MANHOLE. FILL HOLE AND WATERPROOF MANHOLE ON OUTSIDE. PATCH/FILL OPENINGS IN MANHOLE WALL WHERE BRANCH PIPES ARE REMOVED.
- REMOVE ALL PIPING, VALVES, AND ACCESSORIES WITHIN MANHOLE, BREAK UP CONCRETE IN BOTTOM OF MANHOLE, AND FILL MANHOLE WITH SAND. FILL CHASE OPENINGS ON SIDE OF MANHOLE WITH CONCRETE/BLOCK TO KEEP SAND FROM FLOWING OUT OF MANHOLE WHEN FILLED. IF NECESSARY, REMOVE TOP OF MANHOLE STRUCTURE TO 12 INCHES BELOW FINAL GRADE AT THIS LOCATION.
- DISCONNECT AND REMOVE EXISTING AIR COOLED CONDENSING UNIT AND ASSOCIATED PIPING, CONTROLS, DISCONNECT, ETC. CONTRACTOR SHALL HAUL AWAY UNIT AND DELIVER TO GENERAL SERVICES BUILDING "BULLPEN" AS COORDINATED WITH OWNER.
- DISCONNECT AND REMOVE EXISTING AIR HANDLING UNIT AND ASSOCIATED PIPING, DUCTWORK, CONTROLS, DISCONNECT, ETC. CONTRACTOR SHALL HAUL AWAY AND DELIVER TO GENERAL SERVICES BUILDING "BULLPEN" AS COORDINATED WITH OWNER.
- DISCONNECT AND REMOVE EXISTING SITE LIGHTING STANDARD. EXISTING POLE BASE TO REMAIN. CUT, CAP, AND GROUT CONDUIT FLUSH WITH POLE BASE. ABANDON BRANCH CIRCUIT CONDUIT IN PLACE.
- EXISTING TRANSFORMER TO BE DISCONNECTED AND REMOVED BY OWNER. REMOVE TRANSFORMER PAD.
- REMOVE MEDIUM VOLTAGE FEEDER CABLING FEEDING VETERINARY SCIENCE BUILDING TRANSFORMER FROM EXISTING MANHOLE. GROUT AND FILL CONDUIT OPENINGS WATERTIGHT MADE AVAILABLE BY DEMOLITION. SEE GENERAL NOTE 5 FOR ADDITIONAL MV CABLING SCOPE.
- EXISTING SECONDARY FEEDER CONDUCTORS TO BE DISCONNECTED AND REMOVED. EXISTING CONDUITS TO BE ABANDONED IN PLACE.
- EXISTING EXTERIOR SERVICE ENTRANCE MAIN PANEL TO BE DISCONNECTED, REMOVED, AND RETURNED TO OWNER. DISCONNECT AND REMOVE ASSOCIATED FEEDERS TO ADJACENT AIR COOLED CHILLERS AND AIR HANDLER PER KEYED NOTES 3 AND 4 THIS SHEET, RESPECTIVELY.
- REMOVE THREE(3) EXISTING 4" TELECOM CONDUITS TO LOCATION SHOWN AND CAP BELOW GRADE.
- DEMOLISH 4-INCH MPS RISE OFF MAIN SERVING THE VETERINARY SCIENCE BUILDING. DEMOLISH EXISTING VALVE IN VERTICAL. WELD CAP AT MAIN. INSTALL NEW PIPE INSULATION AND PROTECTIVE COVER. REFER TO SPECIFICATION FOR ALL REQUIREMENTS.
- DEMOLISH 2-INCH PC RISE OFF MAIN SERVING THE VETERINARY SCIENCE BUILDING. DEMOLISH EXISTING VALVE IN VERTICAL. WELD CAP AT MAIN. INSTALL NEW PIPE INSULATION AND PROTECTIVE COVER. REFER TO SPECIFICATION FOR ALL REQUIREMENTS.
- DEMOLISH EXISTING HIGH ANCHOR SUPPORTING MPS TO VETERINARY SCIENCE BUILDING. INFILL ANY WALL HOLES WITH GROUT LEFT FROM REMOVAL OF BOLTS.



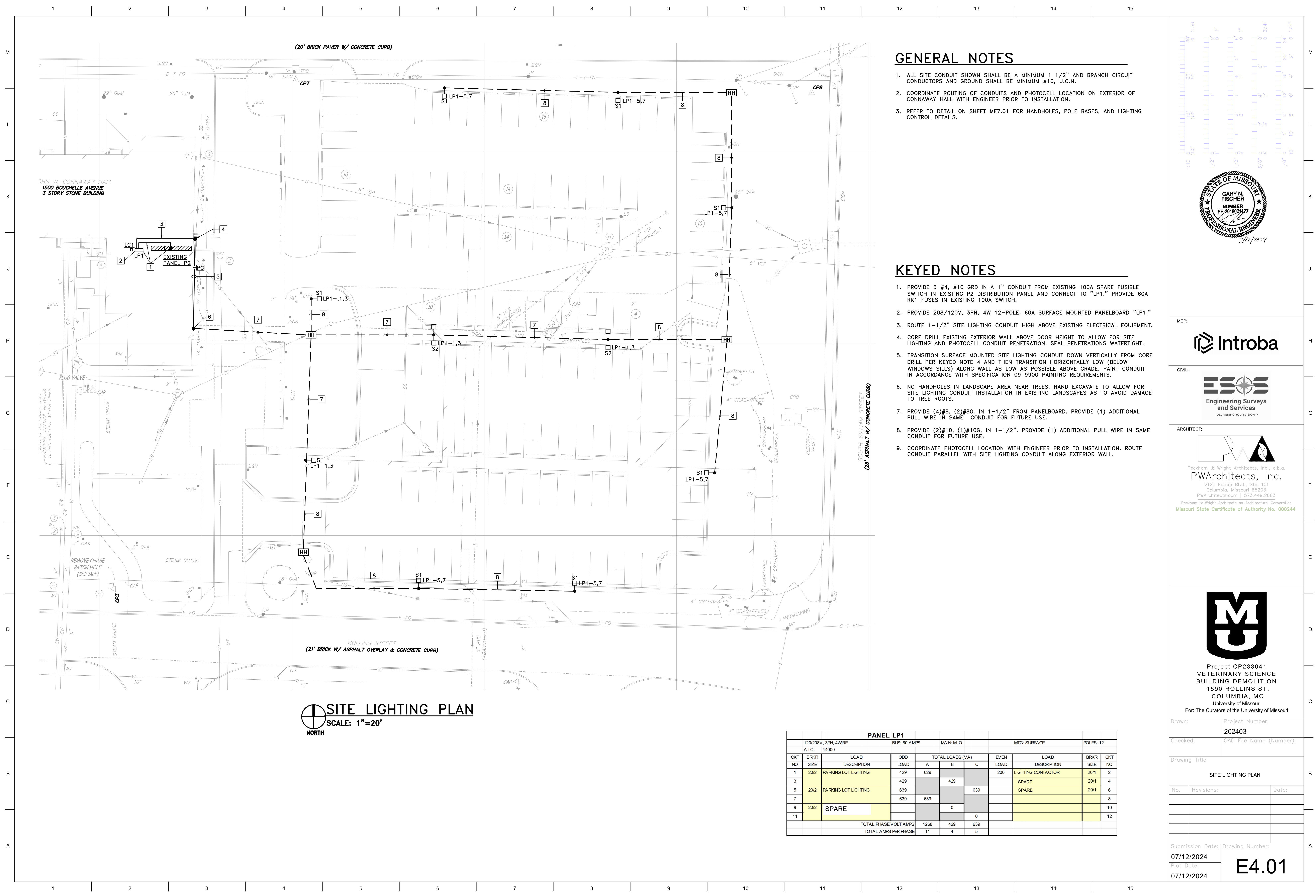
**STEAM MANHOLE (SMH-405)**  
**1 PIPING DIAGRAM**  
 NO SCALE



Project CP233041  
 VETERINARY SCIENCE BUILDING DEMOLITION  
 1590 ROLLINS ST.  
 COLUMBIA, MO  
 University of Missouri  
 For: The Curators of the University of Missouri

Drawn:	Project Number:
Checked:	202403
CAD File Name (Number):	
Drawing Title:	
MECHANICAL/ELECTRICAL DEMOLITION PLAN	
No.:	Revisions:
Date:	
Submission Date:	
Drawing Number:	
07/12/2024	ME3.01
Plot Date:	
07/12/2024	





**SITE LIGHTING PLAN**  
 SCALE: 1"=20'  
 NORTH

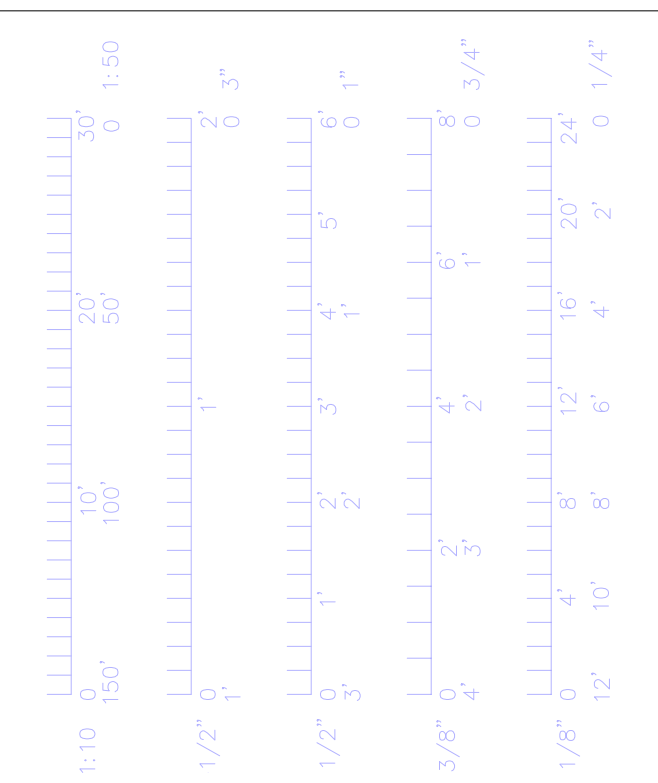
**GENERAL NOTES**

- ALL SITE CONDUIT SHOWN SHALL BE A MINIMUM 1 1/2" AND BRANCH CIRCUIT CONDUCTORS AND GROUND SHALL BE MINIMUM #10, U.O.N.
- COORDINATE ROUTING OF CONDUITS AND PHOTOCELL LOCATION ON EXTERIOR OF CONWAYWAY HALL WITH ENGINEER PRIOR TO INSTALLATION.
- REFER TO DETAIL ON SHEET ME7.01 FOR HANDHOLES, POLE BASES, AND LIGHTING CONTROL DETAILS.

**KEYED NOTES**

- PROVIDE 3 #4, #10 GRD IN A 1" CONDUIT FROM EXISTING 100A SPARE FUSIBLE SWITCH IN EXISTING P2 DISTRIBUTION PANEL AND CONNECT TO "LP1." PROVIDE 60A RK1 FUSES IN EXISTING 100A SWITCH.
- PROVIDE 208/120V, 3PH, 4W 12-POLE, 60A SURFACE MOUNTED PANELBOARD "LP1."
- ROUTE 1-1/2" SITE LIGHTING CONDUIT HIGH ABOVE EXISTING ELECTRICAL EQUIPMENT.
- CORE DRILL EXISTING EXTERIOR WALL ABOVE DOOR HEIGHT TO ALLOW FOR SITE LIGHTING AND PHOTOCELL CONDUIT PENETRATION. SEAL PENETRATIONS WATERTIGHT.
- TRANSITION SURFACE MOUNTED SITE LIGHTING CONDUIT DOWN VERTICALLY FROM CORE DRILL PER KEYED NOTE 4 AND THEN TRANSITION HORIZONTALLY LOW (BELOW WINDOWS SILL) ALONG WALL AS LOW AS POSSIBLE ABOVE GRADE. PAINT CONDUIT IN ACCORDANCE WITH SPECIFICATION 09 9900 PAINTING REQUIREMENTS.
- NO HANDHOLES IN LANDSCAPE AREA NEAR TREES. HAND EXCAVATE TO ALLOW FOR SITE LIGHTING CONDUIT INSTALLATION IN EXISTING LANDSCAPES AS TO AVOID DAMAGE TO TREE ROOTS.
- PROVIDE (4)#8, (2)#8G. IN 1-1/2" FROM PANELBOARD. PROVIDE (1) ADDITIONAL PULL WIRE IN SAME CONDUIT FOR FUTURE USE.
- PROVIDE (2)#10, (1)#10G. IN 1-1/2". PROVIDE (1) ADDITIONAL PULL WIRE IN SAME CONDUIT FOR FUTURE USE.
- COORDINATE PHOTOCELL LOCATION WITH ENGINEER PRIOR TO INSTALLATION. ROUTE CONDUIT PARALLEL WITH SITE LIGHTING CONDUIT ALONG EXTERIOR WALL.

PANEL LP1													
120/208V, 3PH, 4WRE			BUS: 60 AMPS			MAIN: M.O			MTG: SURFACE			POLES: 12	
A.I.C. 14000													
CKT NO	BRKR SIZE	LOAD DESCRIPTION	ODD LOAD	TOTAL LOADS (VA)			EVEN LOAD	LOAD DESCRIPTION	BRKR SIZE	CKT NO			
				A	B	C							
1	20/2	PARKING LOT LIGHTING	429	629			200	LIGHTING CONTACTOR	20/1	2			
3			429		429			SPARE	20/1	4			
5	20/2	PARKING LOT LIGHTING	639			639		SPARE	20/1	6			
7			639	639						8			
9	20/2	SPARE			0					10			
11					0					12			
TOTAL PHASE VOLT AMPS			1268	429	639								
TOTAL AMPS PER PHASE			11	4	5								



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 CP233041  
**VETERINARY SCIENCE BUILDING DEMOLITION**  
 1590 ROLLINS ST.  
 COLUMBIA, MO  
 University of Missouri  
 For: The Curators of the University of Missouri

Drawn: Project Number:  
 202403  
 Checked: CAD File Name (Number):

Drawing Title:  
**SITE LIGHTING PLAN**

No. Revisions: Date:

Submission Date: Drawing Number:  
 07/12/2024  
 Plot Date: **E4.01**  
 07/12/2024

**CONCRETE**

CONCRETE WORK SHALL CONFORM TO ALL REQUIREMENTS OF THE CURRENT ACI 301, SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS, ACI 318 BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE, ACI 305 SPECIFICATIONS FOR HOT WATER CONCRETE, AND ACI 306 SPECIFICATIONS FOR COLD WEATHER CONCRETE, WITH THE FOLLOWING ADDITIONAL REQUIREMENTS:

- CONCRETE SHALL DEVELOP THE FOLLOWING 28-DAY MINIMUM COMPRESSIVE STRENGTH:
  - FOUNDATIONS - 3,000 PSI
  - CAST-IN-PLACE WALLS - 3,500 PSI
  - FLOOR SLAB - 4,000 PSI
  - EXTERIOR SLABS, WALLS AND CURBS - 4,000 PSI
- ALL FOOTINGS SHALL BEAR ON UNDISTURBED SOIL OR ENGINEERED FILL.
- CHLORIDE-BASED ADMIXTURES ARE PROHIBITED IN ALL REINFORCED CONCRETE.
- REINFORCING STEEL SHALL CONFORM TO ASTM A615, A616, OR A617, GRADE 60.
- ALL CONTINUOUS REINFORCING STEEL THAT MEETS AT A CORNER SHALL BE TIED TOGETHER WITH A CORNER BAR THAT HAS SUFFICIENT LAP DISTANCE IN EACH DIRECTION.
- CONTINUOUS REINFORCING BARS LAP LENGTH SHALL BE A MINIMUM OF 48 BAR DIAMETERS UNLESS NOTED OTHERWISE.
- CONCRETE SLUMP SHALL BE A MAXIMUM OF 4" +/- 1" (ASTM C-143) AS DELIVERED IN THE FIELD. CONTRACTOR MAY USE CHEMICAL ADMIXTURES TO ATTAIN A MAXIMUM SLUMP OF 8" FOR WORKABILITY. NO WATER MAY BE ADDED TO THE CONCRETE MIX ON SITE UNLESS WATER IS WITHHELD AT THE BATCHING FACILITY. IF WATER IS WITHHELD AT THE BATCHING FACILITY IT SHOULD BE REFLECTED ON THE LOAD TICKET. THE TOTAL AMOUNT OF WATER IN THE MIX SHALL NOT EXCEED WHAT IS NOTED ON THE APPROVED MIXED. THIS SHALL BE NOTED IN THE SPECIAL INSPECTOR'S RECORDS.
- CONCRETE EXPOSED TO WEATHER, VEHICLES, AND/OR DEICING CHEMICALS SHALL BE AIR-ENTRAINED WITH 6% (+/-) 1.5% ENTRAINED AIR BY VOLUME AT POINT OF DISCHARGE. DO NOT ALLOW AIR CONTENT OF TROWELED FINISHED FLOORS TO EXCEED 3%.
- SUBMIT CONCRETE MIX PROPORTIONS PRIOR TO START OF WORK. DO NOT BEGIN CONCRETE PRODUCTION UNTIL MIXES HAVE BEEN REVIEWED AND ARE ACCEPTABLE TO THE ENGINEER.
- READY MIX CONCRETE SHALL COMPLY WITH REQUIREMENTS OF ASTM C94.
- CONCRETE WORK EXECUTION
  - CONSTRUCT FORMS TO CORRECT SIZE, SHAPE, ALIGNMENT, ELEVATION AND POSITION; AND TO SUPPORT VERTICAL AND LATERAL LOADS.
  - POSITION, SUPPORT, AND SECURE REINFORCEMENT AGAINST DISPLACEMENT. MINIMUM CONCRETE COVER FOR REINFORCEMENT SHALL BE, UNLESS NOTED OTHERWISE ON THE DRAWINGS:
    - CAST AGAINST AND EXPOSED TO EARTH.....3 INCHES
    - EXPOSED TO EARTH OR WEATHER.....2 INCHES
    - NOT EXPOSED TO WEATHER OR IN CONTACT WITH EARTH.....1 1/2 INCHES
  - PROVIDE CONTROL JOINTS IN SLABS-ON-GRADE AT NOT GREATER THAN 15 FEET ON CENTER IN EACH DIRECTION. SAW CUT CONTROL JOINTS MINIMUM 1/4 OF SLAB DEPTH, AS SOON AFTER SLAB FINISHING WITHOUT DISLUDGING AGGREGATE.
  - STEEL TROWEL FINISH ALL INTERIOR CONCRETE SLABS, BROOM FINISH ALL EXTERIOR CONCRETE SLABS.
  - CURE ALL CONCRETE IN COMPLIANCE WITH ACI 301, USING A LIQUID TYPE MEMBRANE, NON-RESIDUAL, CURING COMPOUND COMPLYING WITH ASTM C309. ASSURE COMPATIBILITY WITH FINISH FLOOR COVERING.

**POST-INSTALLED ANCHORS**

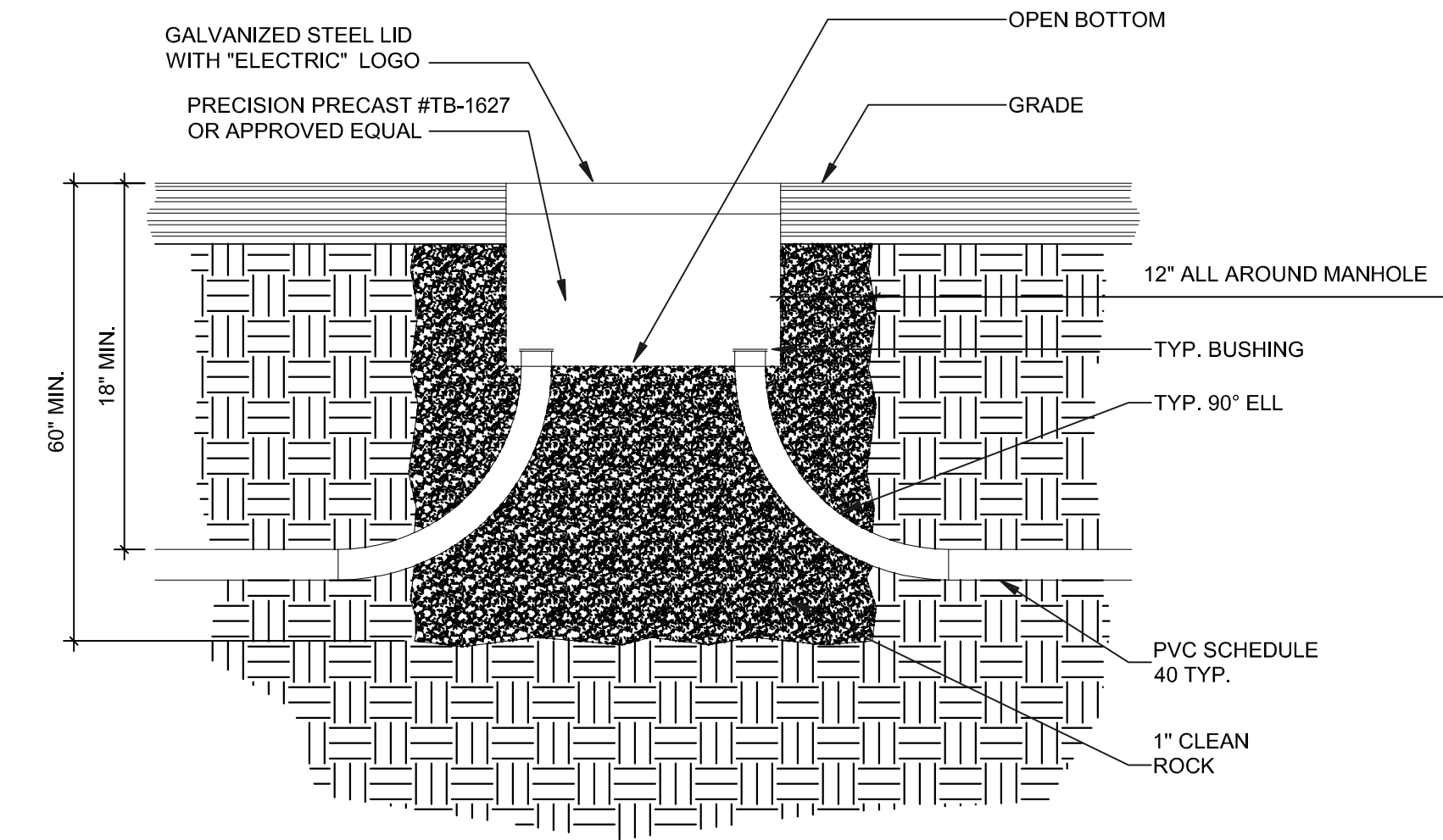
- ALL POST-INSTALLED ANCHORS SHALL MEET THE REQUIREMENTS OF THE CODE-CITED EDITION OF ACI 318, APPENDIX D, AND SHALL BE ACCEPTABLE FOR BOTH CRACKED AND UNCRACKED CONCRETE.
- EXPANSION ANCHORS HAVE BEEN DESIGNED AS HILTI KWIK BOLT TZ ANCHORS, UNLESS NOTED OTHERWISE.
- ADHESIVE ANCHORS HAVE BEEN DESIGNED TO USE HILTI HIT HY 200 ADHESIVE IN CONCRETE OR SOLID MASONRY, UNLESS NOTED OTHERWISE.
- EQUIVALENT ANCHORS MAY BE SUBMITTED FOR THE ENGINEER'S APPROVAL. SUBMITTALS ARE THE CONTRACTOR'S RESPONSIBILITY AND MUST INCLUDE EVALUATION REPORTS FROM THE INTERNATIONAL CONFERENCE OF BUILDING OFFICIALS (ICBO).
- EMBEDMENT DEPTH IS DEFINED AS THE DISTANCE FROM THE SURFACE OF THE LOAD-BEARING BASE MATERIAL TO THE DEEPEST PART OF THE ANCHOR AFTER THE ANCHOR HAS BEEN DRIVEN INTO THE HOLE BUT NOT YET EXPANDED.
- ADHESIVE ANCHORS SHALL BE ACCEPTABLE FOR LONG-TERM LOADING. WHEN BASE MATERIAL TEMPERATURES ARE BELOW 40 DEG F, ONLY NON-EPOXY-BASED ADHESIVES SHALL BE USED.
- POST-INSTALLED ANCHORS SHALL ONLY BE USED WHERE SPECIFIED ON THE DRAWINGS. THE CONTRACTOR SHALL OBTAIN APPROVAL FROM THE ENGINEER PRIOR TO USING POST-INSTALLED ANCHORS FOR MISSING OR MISPLACED CAST-IN-PLACE ANCHORS. CARE SHALL BE TAKEN TO AVOID CONFLICTS WITH EXISTING REINFORCING BARS. HOLES SHALL BE DRILLED AND CLEANED PER ANCHOR MANUFACTURER'S SPECIFICATIONS.
- STAINLESS STEEL ANCHORS ARE REQUIRED AT ALL PERMANENTLY EXPOSED WEATHER CONDITIONS.

**SPECIAL INSPECTIONS**

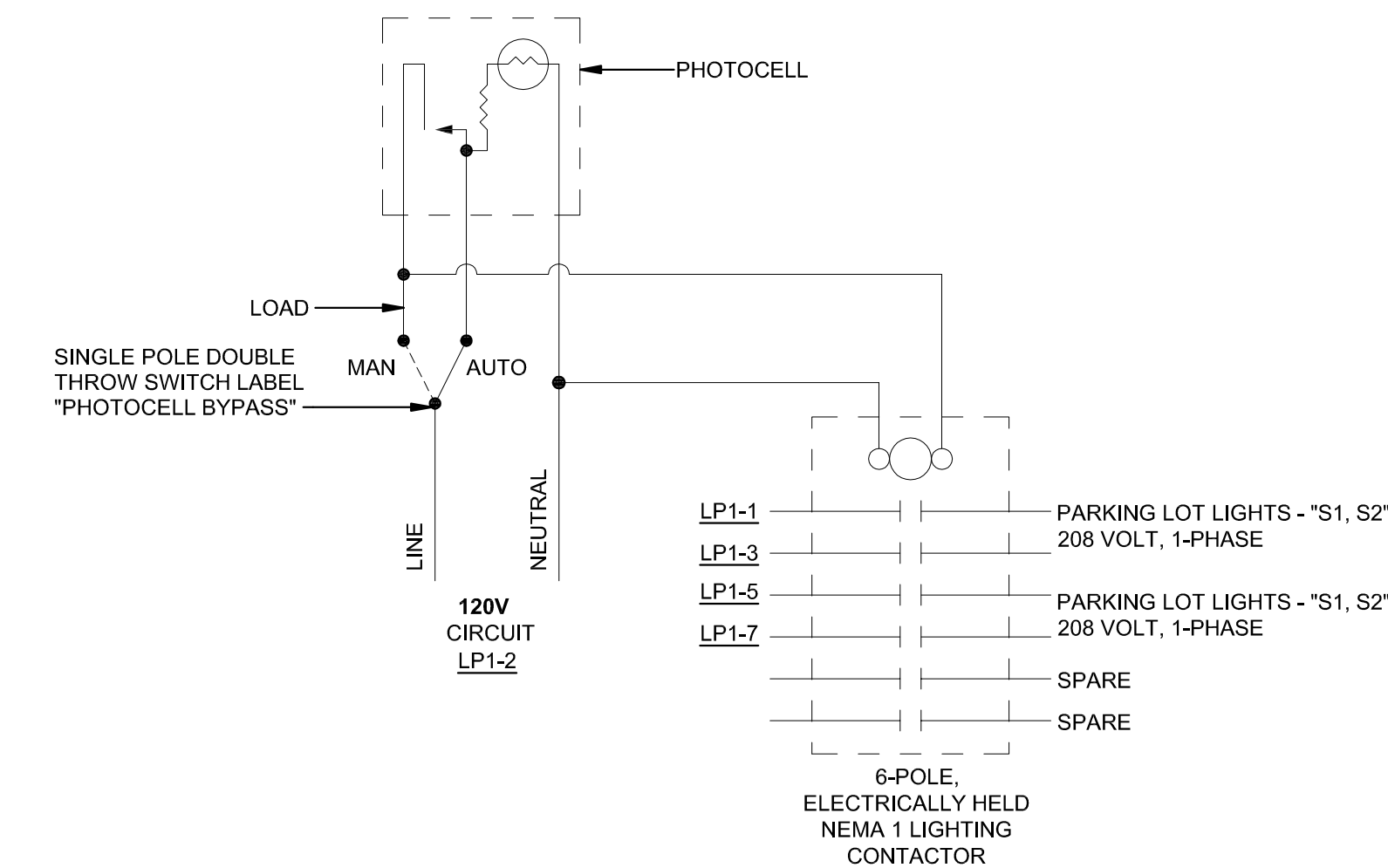
THE FOLLOWING ITEMS REQUIRE SPECIAL INSPECTION IN ACCORDANCE WITH CHAPTER 17 OF THE INTERNATIONAL BUILDING CODE.

- CONCRETE GROUT DESIGN MIX (PERIODIC)
- PLACING OF CONCRETE AND REINFORCING STEEL (CONTINUOUS OF CONCRETE SAMPLING / PERIODIC OF REINFORCING)
- BOLTS & ANCHORS EMBEDDED IN CONCRETE (PERIODIC)

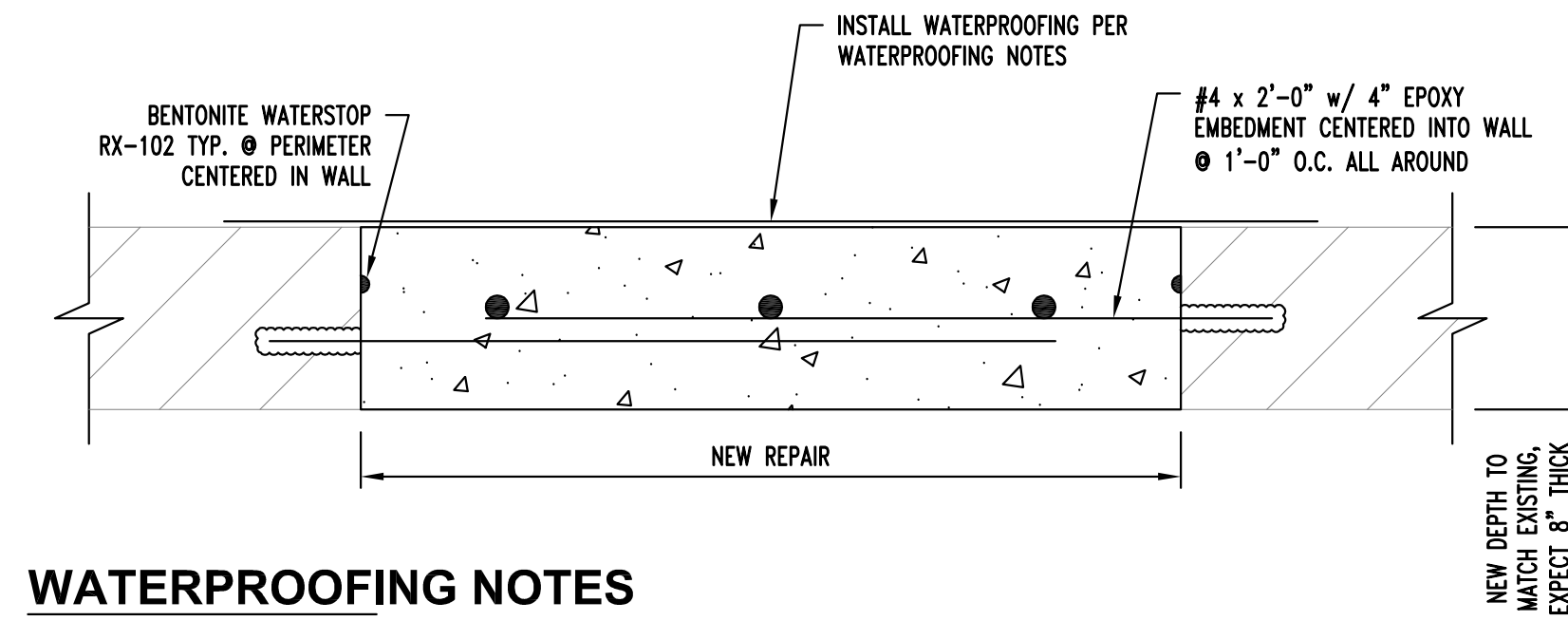
THE CONTRACTOR SHALL REQUEST SPECIAL INSPECTION OF THE ITEMS LISTED ABOVE PRIOR TO THOSE ITEMS BECOMING INACCESSIBLE AND UNOBSERVABLE DUE TO PROGRESSION OF THE WORK.



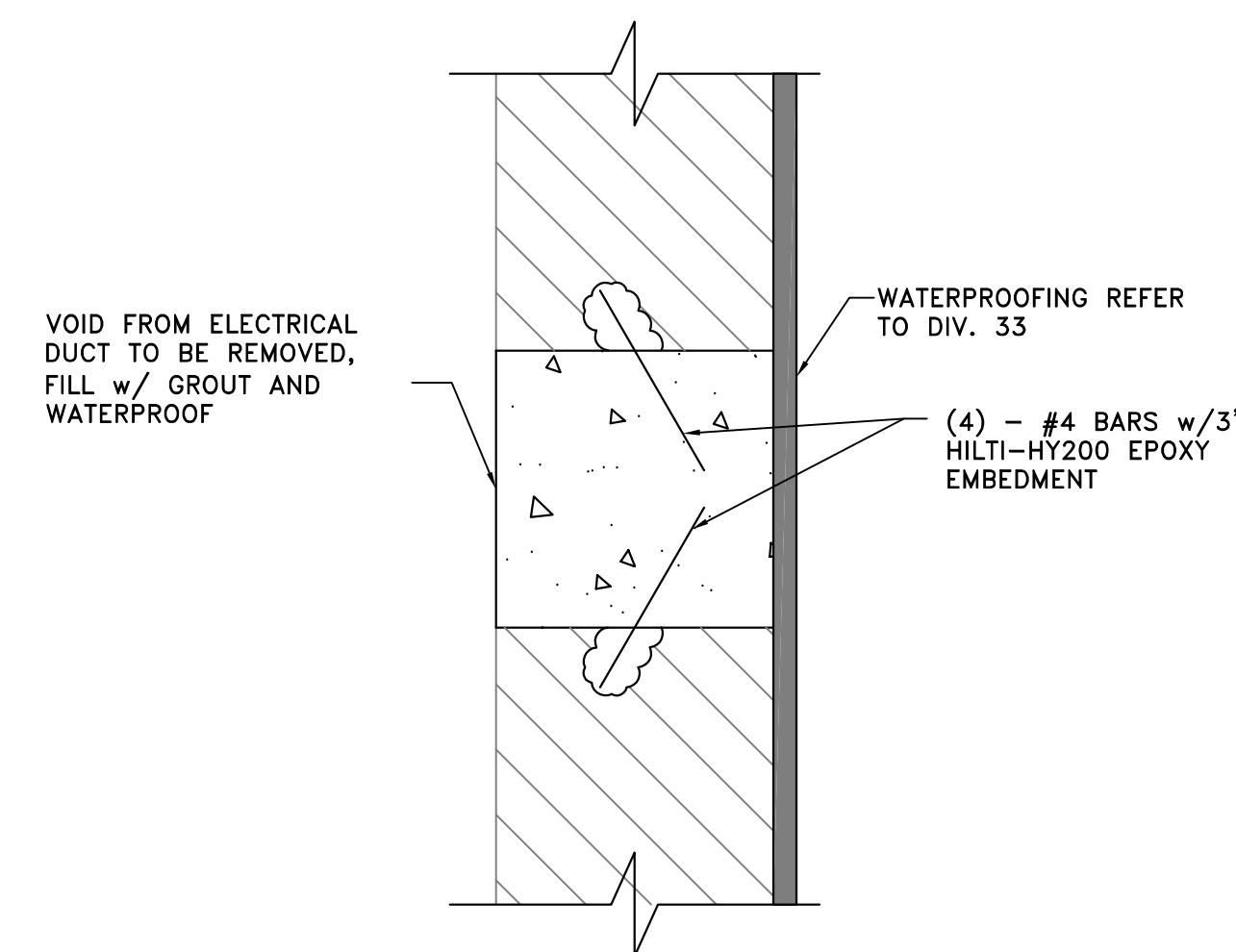
**3 HANDHOLE DETAIL**  
NOT TO SCALE



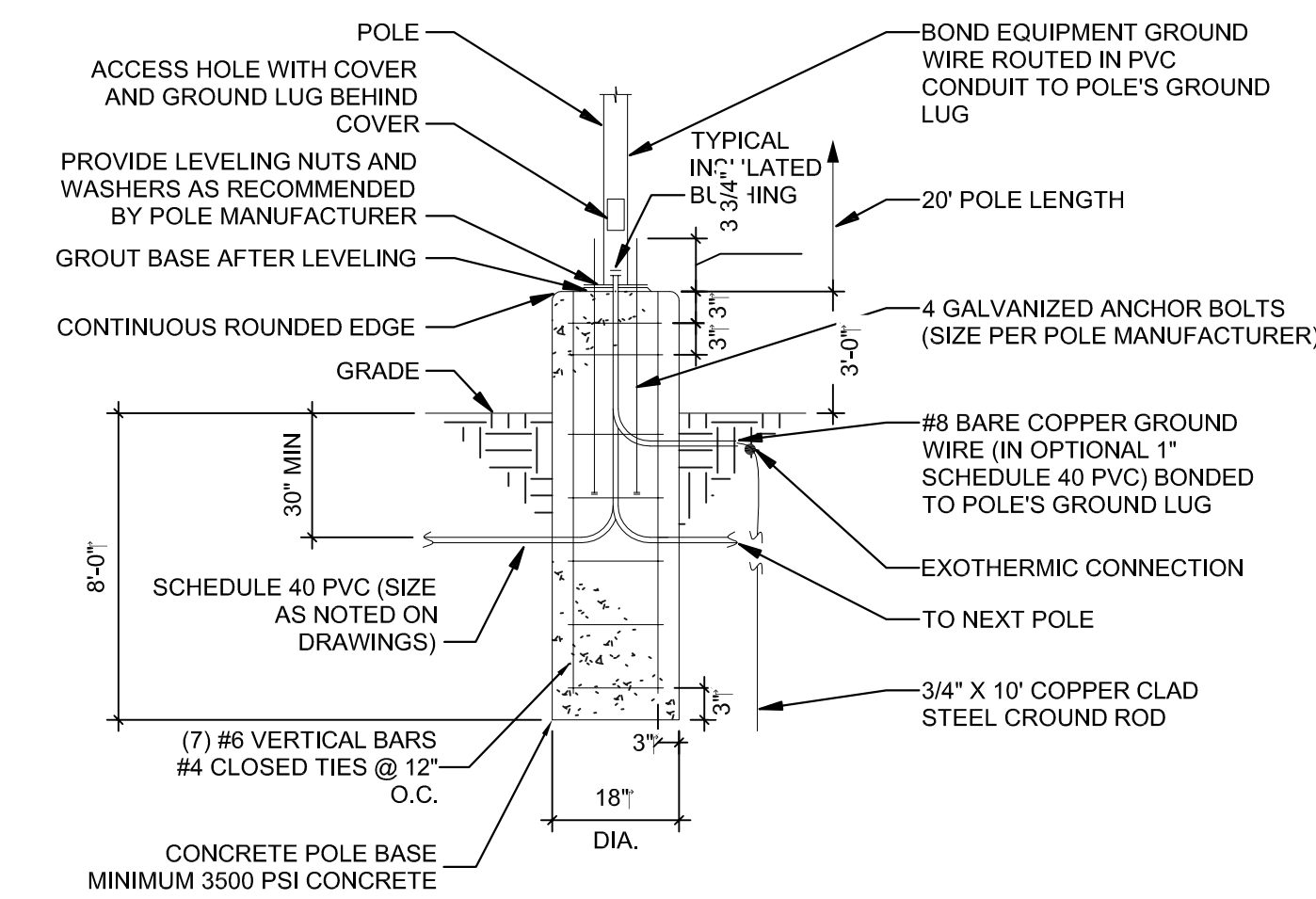
**4 LIGHTING CONTROL DETAIL**  
NOT TO SCALE



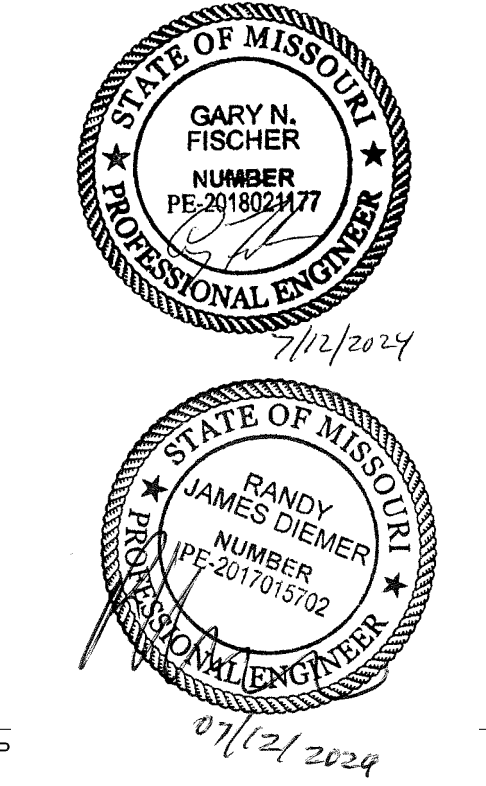
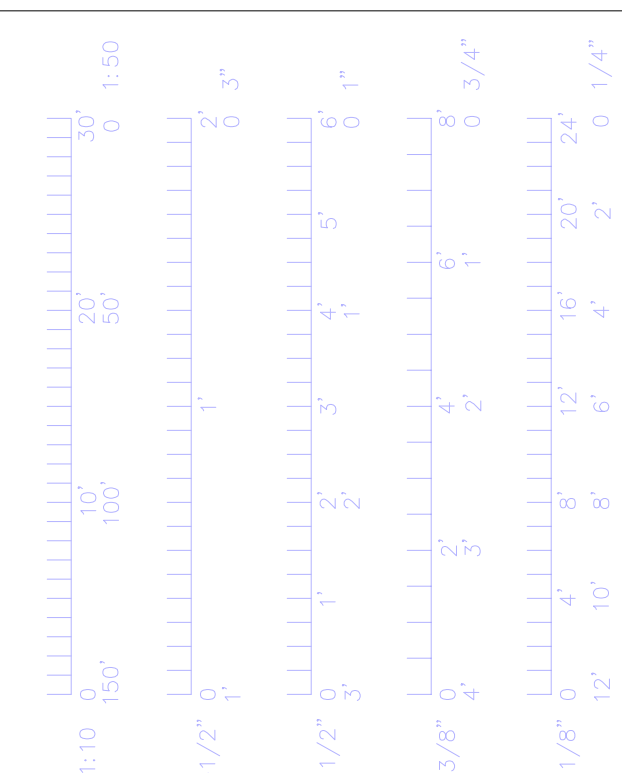
**1 STEAM CHASE TUNNEL FULL DEPTH REPAIR DETAIL**  
NOT TO SCALE



**2 TYPICAL ELECTRICAL DUCT INFILL**  
NOT TO SCALE



**5 TYPE S1 AND S2 POLE BASE DETAIL**  
NOT TO SCALE



Project CP233041  
VETERINARY SCIENCE  
BUILDING DEMOLITION  
1590 ROLLINS ST.  
COLUMBIA, MO  
University of Missouri  
For: The Curators of the University of Missouri

Drawn:	Project Number:
Checked:	202403
CAD File Name (Number):	
Drawing Title:	
MECHANICAL/ELECTRICAL DETAILS	
No.	Revisions:
	Date:
Submission Date:	
07/12/2024	Plot Date:
07/12/2024	Drawing Number:
	ME7.01