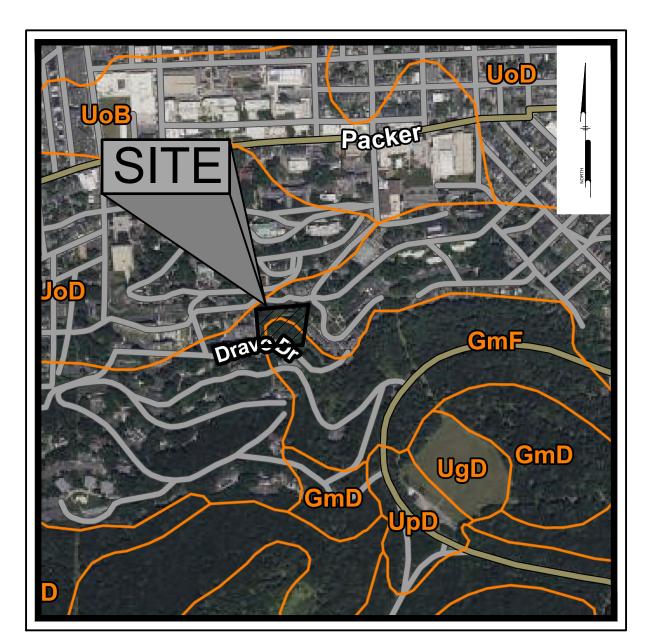
EAST HILL RESIDENCE HALLS SKETCH PLAN

NORTHAMPTON COUNTY, PENNSYLVANIA NOVEMBER 7, 2025

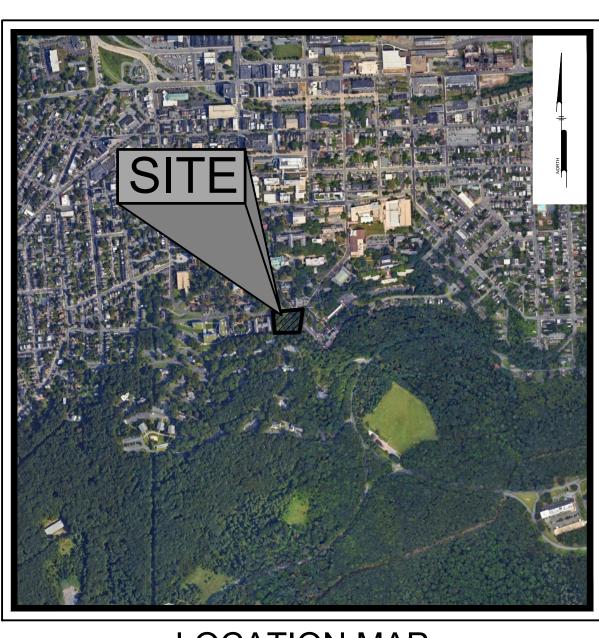
PREPARED FOR:
OWNER/DEVELOPER

LEHIGH UNIVERSITY

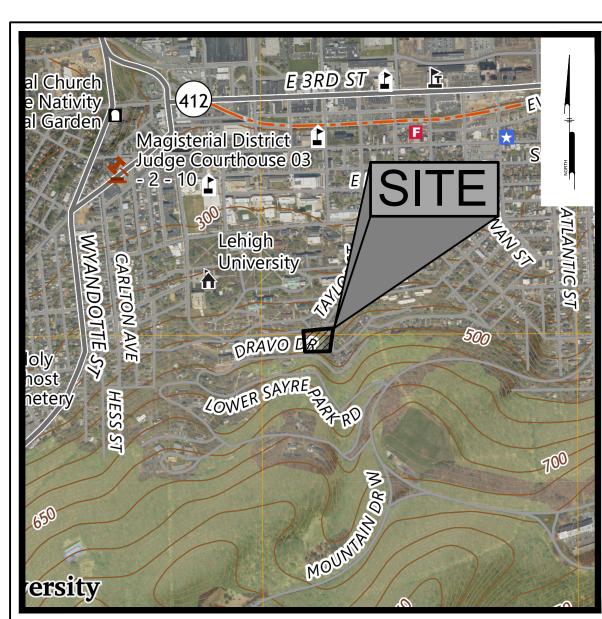
27 MEMORIAL DRIVE W. BETHLEHEM, PA 18015



SOILS MAP
Scale: 1" = 200'



LOCATION MAP
Scale: 1" = 1000'



USGS MAP

PREPARED BY: PENNONI ASSOCIATES INC.



81 Highland Ave, Suite 230 Bethlehem, PA 18017 **T** 610.231.0600 **F** 610.231.2033

DIGSAU

OWNER
Lehigh University
681 Taylor St.
Bethlehem PA 18015
v 610-758-4622

ARCHITECT
DIGSAU
340 North 12th Street, Suite 421
Philadelphia, PA 19107
v 215.627.0808
www.digsau.com

SHEET LIST TABLE

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GRADING AND DRAINAGE PLAN

GRADING AND DRAINAGE PLAN

GRADING AND DRAINAGE PLAN

OVERALL UTILITY PLAN

UTILITY PLAN

UTILITY PLAN

UTILITY PLAN

NAME

CS0002

CS0200

CS0201

CS0202

CS0203

CS1000

CS1001

CS1002

CS1003

CS1500

CS1502

CS1700

CS1701

CS1702

CS1703

16

18

CIVIL ENGINEER

Pennoni
81 Highland Ave, Suite 230
Bethlehem, PA 18017
https://www.pennoni.com/

v 855-754-3595

LANDSCAPE ARCHITEC

Omnes

1262 Simon Blvd, B105
Easton, PA 18042
https://omnes.studio/
v 215-882-0500

STRUCTURAL ENGINEER
Keast & Hood
1635 Market St, #1705
Philadelphia, PA 19103
https://keasthood.com/

v 215-625-0099

MEP/FP ENGINEER

623 26th Ave
Rock Island, IL 61201
https://imegcorp.com/
v 215-569-0400

LIGHTING
Arup
77 Water Street
New York, NY 10005
https://www.arup.com/en-us/
v 212-896-3000

ENVELOPE RWDI 1608 Walnut Street, Suite 1603 Philadelphia, PA 19103 v 267-773-8375

VERTICAL TRANSPORTATION
Lerch Bates
275 S Main St, Suite 2CC
Doylestown, PA 18901
v 877-647-2110
https://www.lerchbates.com/

SKETCH PLAN NOT FOR CONSTRUCTION

DATE: DESCRIPTION:

LU PROJECT	DIGSX25001
DA PROJECT	2512
SCALE:	AS NOTED
FORMAT:	30" X 42"
DRAWN:	1005
CHECKED:	TJS
DATE:	2025-09-10

SHEET NAME:

COVER SHEET

SHEET NUMBER:

CS0001

SHEET 1 OF 18
PROJECT PHASE:



BETHLEHEM, PA 18015 PENNONI ASSOCIATES INC. ENGINEER: 81 HIGHLAND AVE. - STE. 230

SUBJECT TO AND DOES NOT LOCATE OR DELINEATE:

27 MEMORIAL DRIVE W

BETHLEHEM, PA 18017

2. THE PURPOSE OF THIS PLAN IS TO DEPICT THE DESIGN OF A RESIDENTIAL HOUSING STRUCTURE AND ASSOCIATED PARKING. UTILITIES AND STORMWATER MANAGEMENT FACILITIES ON THE LEHIGH UNIVERSITY CAMPUS.

3. MUNICIPAL ZONING INFORMATION: THIS SITE IS LOCATED IN THE "I" (INSTITUTIONAL) ZONING DISTRICT WITHIN THE CITY OF

FOR COMPLETE ZONING INFORMATION PLEASE REFER TO THE ZONING CODE OF THE WEST MANCHESTER TOWNSHIP AS CURRENTLY AMENDED.

4. FLOOD ZONE INFORMATION: BY GRAPHIC PLOTTING ONLY, BASED UPON THE FLOOD INSURANCE RATE MAP, PANEL NO. 307

SITE IS LOCATED IN THE FOLLOWING AREA: ZONE X - AREA DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN. NO FIELD SURVEYING WAS PERFORMED TO DETERMINE THIS ZONE AND AN ELEVATION

OF 355, COMMUNITY MAP NO. 42095C0307E WITH AN EFFECTIVE DATE OF JULY 16, 2014, THE

CERTIFICATE MAY BE NEEDED TO VERIFY THE DETERMINATION OR APPLY FOR A VARIANCE FROM THE FEDERAL EMERGENCY MANAGEMENT AGENCY. 5. THE HORIZONTAL AND VERTICAL DATUM FOR THIS PROJECT REFERENCES THE PA STATE

PLANE COORDINATE SYSTEM. NAD83 PENNSYLVANIA STATE PLANES. NORTH ZONE. US FOOT. 6. UNLESS SPECIFICALLY STATED OR SHOWN HEREON TO THE CONTRARY, THIS SURVEY IS MADE

A. RIGHTS OR INTERESTS OF THE UNITED STATES OF AMERICA OR COMMONWEALTH OF PENNSYLVANIA OVER LANDS NOW OR FORMERLY FLOWED BY TIDEWATER, BUT NO I ONGER VISIBLE OR PHYSICALLY EVIDENT OR LANDS CONTAINING ANY ANIMAL MARINE OR BOTANICAL SPECIES REGULATED BY OR UNDER THE JURISDICTION OF ANY FEDERAL,

ANY SUBSURFACE OR SUBTERRANEAN CONDITION, EASEMENTS OR RIGHTS, INCLUDING. BUT NOT LIMITED TO MINERAL OR MINING RIGHTS. OR THE LOCATION OF OR RIGHTS TO ANY SUBSURFACE STRUCTURES. CONTAINERS OR FACILITIES OR ANY OTHER NATURAL OR MAN-MADE SUBSURFACE CONDITION WHICH MAY OR MAY NOT AFFECT THE USE OR DEVELOPMENT POTENTIAL OF THE SUBJECT PROPERTY

6. THE LOCATION OF THE EXISTING UNDERGROUND UTILITIES SHOWN ON THIS PLAN HAVE BEEN TAKEN FROM EXISTING UTILITY RECORDS AVAILABLE AT THE TIME THESE PLANS WERE PREPARED AND FROM SURFACE OBSERVATION OF THE SITE.

7. COMPLETENESS OR ACCURACY OF LOCATION AND DEPTH OF UNDERGROUND UTILITIES AND STRUCTURES IS NOT GUARANTEED.

8. IN ACCORDANCE WITH PA ACT 127 OF 2024, THE CONTRACTOR SHALL NOTIFY ALL UTILITIES WITHIN THE WORK AREA VIA THE PENNSYLVANIA ONE CALL SYSTEM, INC. (800-242-1776) A MINIMUM OF 3 WORKING DAYS BEFORE THE START OF EXCAVATION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PLACE PERMANENT COLOR CODED MARKERS OR TRACER WIRE ALONG ALL PRIVATE LATERALS TO INDICATE THE TYPE AND LOCATION OF ALL LATERALS INSTALLED. IN ACCORDANCE WITH THE PA 1 CALL, ACT 127 OF 2024. THESE MARKERS ARE INTENDED TO

. UTILITY COORDINATION SHALL BE INCLUDED IN THE PROJECT SCHEDULE AND IT IS THE EXPLICIT RESPONSIBILITY OF THE CONTRACTOR TO ASSURE THAT THE PROJECT SCHEDULE INCLUDES THE NECESSARY RELOCATIONS. THE CONTRACTOR WILL NOT BE PAID ADDITIONALLY FOR THIS COORDINATION.

ASSIST IN LOCATING EFFORTS OF THE PRIVATE LINES IN THE FUTURE.

10. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE LOCATIONS AND DEPTHS OF ALL EXISTING UNDERGROUND UTILITIES AND STRUCTURES BEFORE THE START OF WORK AND TO TAKE WHATEVER STEPS NECESSARY TO PROVIDE FOR THEIR PROTECTION. THE ENGINEER HAS DILIGENTLY ATTEMPTED TO LOCATE AND INDICATE ALL EXISTING FACILITIES ON THESE PLANS: HOWEVER. THIS INFORMATION IS SHOWN FOR THE CONTRACTOR'S CONVENIENCE ONLY. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE LOCATIONS OF UTILITIES SHOWN OR NOT SHOWN. COMPLETENESS OR ACCURACY OF LOCATION AND DEPTH OF UNDERGROUND UTILITIES AND STRUCTURES IS NOT GUARANTEED

11. THE CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES FOR EXACT LOCATION AND PROTECTION OF THEIR UTILITIES PRIOR TO STARTING CONSTRUCTION. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR AND REPLACE ANY AND ALL DAMAGE MADE TO UTILITIES BY THE CONTRACTOR.

12. THE SITE IS TO BE SERVED BY PUBLIC SEWER AND WATER SERVICE.

13. ALL RADII SHOWN ARE 5 FT UNLESS OTHERWISE SPECIFIED. 14. A PRE-CONSTRUCTION MEETING SET UP WITH THE MUNICIPALITY WILL BE REQUIRED BEFORE

GENERAL NOTES PER CITY OF BETHLEHEM:

ANY CONSTRUCTION COMMENCES.

IN ORDER TO MAINTAIN CONTINUITY BETWEEN PLAN REVISIONS, ANY CHANGES TO A PREVIOUS PLAN SUBMISSION SHALL BE FLAGGED WITH A TRIANGLE. ANY CHANGES NOT FLAGGED MAY BE CONSIDERED NOT APPROVED. FLAGGED CHANGES SHALL BE REFERENCED TO THE APPROPRIATE REVISION DATE IN THE REVISION BLOCK.

ACCURATE AS-BUILT PLANS SHALL BE KEPT UP TO DATE DURING THE CONSTRUCTION PROCESS. AT THE COMPLETION OF THE PROJECT, RECORD DRAWINGS SHALL BE DEVELOPED FROM THE AS-BUILT PLANS AND SUBMITTED TO THE CITY ENGINEER'S OFFICE. ALL FINAL DRAWINGS SHALL SHOW NORTH AMERICAN DATUM (NAD) 1983 STATE PLANE COORDINATES IN FEET (PENNSY) VANIA SOUTH FIPS ZONE 3702) AND THE DIGITAL FILE SHALL BE IN STATE PLANE FEET COORDINATES AS APPLICABLE. THE HARD COPY OF THE RECORD DRAWINGS SHALL BE IN THE FORM OF A MYLAR COPY. THE ENGINEER OF RECORD SHALL CERTIFY (I.E. P.E. STAMPED AND SIGNED) THAT THE RECORD DRAWINGS COMPLY SUBSTANTIALLY WITH THE APPROVED PLAN AND THAT THEY CONFORM TO INDUSTRY STANDARDS. ALL DIGITAL FILES SHALL RESIDE ON PC COMPATIBLE CD ROM CONTAINING THE DIGITAL REPRESENTATION OF THE FINAL PLAN AS PRESENTED ON THE TWENTY-FOUR (24) INCH BY THIRTY-SIX (36) INCH SHEETS. THE DIGITAL MAP SHALL BE AUTOCAD COMPATIBLE. ALL LAYERS INCLUDED IN THE DIGITAL MAPS SHALL BE THE STANDARDIZED LAYERS PREPARED AND UTILIZED BY THE CITY OF BETHLEHEM TO ENSURE COMPATIBILITY WITH THE CITY'S EXISTING CAD STANDARDS AND AS DESCRIBED IN APPENDIX A OF THE CITY'S SUBDIVISION AND LAND DEVELOPMENT

THE PROPOSED SITE WILL BE SERVICED BY PUBLIC WATER SUPPLY AND PUBLIC SEWER AND IN ACCORDANCE WITH ORDINANCE NO. 4342, AT THE TIME OF A REQUEST FOR A BUILDING PERMIT OR AT THE EXECUTION OF THE DEVELOPER'S AGREEMENT, A SANITARY SEWER TAPPING FEE OF \$2.527 PER EDU WILL NEED TO BE PAID. THE TOTAL AMOUNT WILL BE DETERMINED WHEN A SANITARY SEWER FACILITIES PLANNING MODULE APPLICATION IS

4. ALL ELECTRICAL WORK WILL REQUIRE AN ELECTRICAL PERMIT AND APPLICABLE JOB REQUEST

PRIOR TO CONSTRUCTION OF A RETAINING WALL ON-SITE, A PLAN CONTAINING DESIGN AND DETAILS, CERTIFIED BY AN ENGINEER EXPERIENCED IN THE DESIGN OF RETAINING WALLS AND LICENSED IN THE STATE OF PENNSYLVANIA SHALL BE SUBMITTED TO THE CITY FOR REVIEW

PER BETHLEHEM CITY ORDINANCE NO. 3821, THE FACILITY WILL BE REQUIRED TO RECYCLE MIXED OFFICE PAPER. CORRUGATED CARDBOARD. AND ALUMINUM. THE OWNER SHALL CONTACT THE RECYCLING OFFICE AT 610-865-7075 TO COORDINATE. THE OWNER IS RESPONSIBLE FOR ESTABLISHING RECYCLE PROCEDURES.

SOLID WASTE AND RECYCLING WILL BE COLLECTED AT THE TRASH PAD LOCATION SHOWN ON THE PLANS. THE OWNER WILL CONTRACT WITH A HAULING SERVICE TO REMOVE THE WASTES

PERSON DOORS WILL BE PROVIDED ON THE BUILDING PERMIT PLAN. ACCESSIBLE ROUTES FROM THE PARKING LOT TO THE BUILDING WILL BE PROVIDED AT THAT TIME.

9. A KNOX BOX WILL BE INSTALLED PER THE DIRECTION OF THE CITY OF BETHLEHEM FIRE

10. ALL PUBLIC INLETS SHOULD HAVE INLET MARKERS. THE DESIGN OF INLET MARKERS SHALL BE APPROVED BY THE CITY ENGINEER.

THE MAINTENANCE OF STORM WATER FACILITIES SHALL BE THE OWNER'S RESPONSIBILITY. THE OWER'S DEED. AND THE DEED TO ANY SUBSEQUENT OWNER. SHALL NOTE THAT THE OWNER SHALL ACCEPT THE MAINTENANCE RESPONSIBILITIES. THE CITY OF BETHLEHEM SHALL BE PERMITTED TO INSPECT THE STORMWATER FACILITIES ON AT LEAST AN ANNUAL SCHEDULE TO ENSURE THAT ANY NECESSARY CORRECTIVE WORK IS PERFORMED IN A TIMELY

THE DRAINAGE EASEMENT PROVIDED FOR THE FLOW OF STORMWATER ACROSS LOTS, AND MAY NOT BE ALTERED WITHOUT THE WRITTEN PERMISSION OF THE CITY ENGINEER. NO OBSTRUCTIONS SUCH AS PLANTING BERMS OR FENCES MAY BE INSTALLED IN THE DRAINAGE EASEMENTS AREAS WITHOUT SUFFICIENT PROVISION OF THE PASSAGE OF STORMWATER AND ANY SUCH PROPOSED PROVISION SHALL BE APPROVED IN WRITING BY THE CITY ENGINEER.

UNLESS A GEOLOGICAL SURVEY DEMONSTRATED THE FEASIBILITY OF ENCOURAGING INFILTRATION IN A DETENTION POND, THE DETENTION POND SHALL GENERALLY BELLINES. WITH A 6 INCH THICK CLAY LINER WITH A PERMEABILITY OF A 1X10 7 CM/SEC OR LESS. THIS CLAY LINER SHALL. IN TURN, BE COVERED BY A 6 INCH LAYER OF VIABLE TOPSOIL ON WHICH A HEALTHY GROWTH OF GRASS SHALL BE ESTABLISHED (UNLESS RIP-RAPPED). THIS LINER SYSTEM SHALL EXTEND FROM THE BOTTOM OF THE POND TO THE ELEVATION OF THE EMERGENCY SPILLWAY. THE LINER PERMEABILITY OF 1X10-7 CM/SEC SHALL BE VERIFIED BY LAB TESTS ON THREE FIELD SAMPLES OR OTHER EQUIVALENT PROCEDURE ACCEPTABLE TO THE CITY ENGINEER. ADDITIONAL TESTS MAY BE REQUIRED BY THE CITY ENGINEER SHOULD ANY OF THE THREE ORIGINAL TESTS YIELD UNACCEPTABLE RESULTS. ALL THE TESTING SHALL BE ARRANGED AND PAID BY THE DEVELOPER: HOWEVER. THE TESTING LAB SHALL BE CERTIFIED IN THIS AREA OF TESTING AND ACCEPTABLE TO THE CITY ENGINEEF

THE CITY ENGINEER MAY REQUIRE A FULL 12-INCH THICK CLAY LINER WITH PERMEABILITY OF 1X10-7 CM/SEC. OR LESS, WHERE CIRCUMSTANCES SUCH AS WATER DEPTH OR NEARBY UTILITIES NECESSITATE A GREATER DEGREE OF ASSURANCE AGAINST THE FORMATION OF SINKHOLES, ALSO, THE CITY ENGINEER MAY APPROVE A DIFFERENT LINER SYSTEM THAT IS- IN THE OPINION OF THE CITY ENGINEER- EQUAL TO OR BETTER THAN THE ABOVE MENTIONED

THE CONTRACTOR SHALL CLEAN ALL ACCUMULATED SEDIMENT AND SILT FROM THE POND AT THE END OF THE CONSTRUCTION, AND RETURN THE POND TO ITS ORIGINAL DESIGN

PRIOR TO ANY WORK WITHIN THE RIGHT-OF-WAY, PERMITS MUST BE OBTAINED FROM THE CITY ENGINEERING OFFICE.

14. SUPER PAVE IS REQUIRED AND MUST MEET PENNDOT SPECIFICATIONS PUB. 408.

IF ON-LOT DETENTION IS PROPOSED, NO IMPERVIOUS SURFACE FREE IS CHARGED. IMPERVIOUS SURFACES INCLUDE, BUILDING ADDITIONS, DECKS, PATIOS, GARAGES. DRIVEWAYS, SHEDS, SIMILAR STRUCTURES, ROOF, PARKING AREAS, DRIVEWAY AREAS, NEW STREETS, NEW SIDEWALK. EXISTING GRAVEL CRUSHED STONE, HARD PACKED SOIL IS

16. A EROSION AND SEDIMENTATION CONTROL PLAN IS REQUIRED FOR EARTH DISTURBANCE ACTIVITY OF 5,000 SQUARE FEET OR MORE. THE CITY REQUIRES COUNTY CONSERVATION (LCCD OR NCCD) REVIEW OF 1 ACRE OR MORE.

THE LVPC REVIEWS ALL SITE PLANS THAT IT IS REQUIRED TO SIGN PRIOR TO BEING RECORDED IN THE COURTHOUSE OF EITHER NORTHAMPTON OR LEHIGH COUNTY. REGARDLESS OF THE SIZE OF THE SITE OR THE NET AMOUNT OF IMPERVIOUS SURFACES. THE LVPC IS NOT REQUIRED TO REVIEW A STORM WATER MANAGEMENT PLAN FOR A SITE THAT

DOES NOT RESULT IN AN INCREASE OF 10,000 SQUARE FEET OF IMPERVIOUS SURFACE.

GENERAL UTILITY NOTES:

1. CONTRACTOR MUST APPLY FOR ALL UTILITY CONNECTION APPLICATIONS. CONTRACTOR IS RESPONSIBLE FOR ALL UTILITY CONNECTION FEES FOR CONSTRUCTION. REFER TO THIS SHEET FOR AVAILABLE UTILITY COMPANY LIST.

2. CONTRACTOR MUST OBTAIN ANY REQUIRED UTILITY DETAILS FOR RECONNECTION OF EXISTING SERVICES OR NEW SERVICE AND IS RESPONSIBLE FOR THE CONSTRUCTION OF

EACH NEW SERVICE PER THE APPROPRIATE UTILITY COMPANY'S SPECIFICATIONS.

3. THE LOCATION OF THE EXISTING OVERHEAD UTILITIES SHOWN ON THIS PLAN HAVE BEEN TAKEN FROM FIELD OBSERVATION.

4. ALL NEW UTILITIES SHALL BE INSTALLED UNDERGROUND. 5. THE CONTRACTOR SHALL COORDINATE LOCATION AND INSTALLATION OF ALL UNDERGROUND

UTILITIES AND APPURTENANCES TO MINIMIZE DISTURBANCE TO CURBING, PAVING, AND COMPACTED SUB-GRADE. 6. IF CONFLICTS ARE FOUND. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER AND

DESIGN ENGINEER FOR INSTRUCTION BEFORE PROCEEDING WITH WORK. 7. CONTRACTOR SHALL EXCAVATE ONLY ENOUGH TRENCH FOR WHICH PIPE CAN BE INSTALLED

AND TRENCH BACKFILLED BY THE END OF EACH WORK DAY. 8. UTILITY TRENCHES TO BE BACKFILLED WITH SAFE CLEAN STRUCTURAL FILL MATERIAL APPROVED BY AND UNDER THE SUPERVISION OF THE GEOTECHNICAL ENGINEER.

9 BEDDING REQUIREMENTS SPECIFIED HEREIN ARE TO BE CONSIDERED AS MINIMUMS FOR RELATIVELY DRY. STABLE EARTH CONDITIONS. ADDITIONAL BEDDING SHALL BE REQUIRED FOR ROCK TRENCHES AND WET AREAS. CONTRACTOR SHALL HAVE THE RESPONSIBILITY TO PROVIDE SUCH ADDITIONAL BEDDING AS MAY BE REQUIRED TO PROPERLY CONSTRUCT THE WORK

10. COMPACTION OF THE BACKFILL OF ALL TRENCHES SHALL BE COMPACTED TO THE DENSITY OF 95% OF THEORETICAL MAXIMUM DRY DENSITY (ASTM D698). BACKFILL MATERIAL SHALL BE FREE FROM ROOTS, STUMPS, OR OTHER FOREIGN DEBRIS AND SHALL BE PLACED IN LIFTS NOT TO EXCEED 6 INCHES IN COMPACTED FILL THICKNESS, A REPORT FROM A GEOTECHNICAL ENGINEER MAY BE REQUIRED BY THE PUBLIC WORKS INSPECTOR. CORRECTION OF ANY TRENCH SETTLEMENT WITHIN A YEAR FROM THE DATE OF APPROVAL WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.

11. CONTRACTOR IS CAUTIONED TO PROTECT ANY STRUCTURES IMMEDIATELY ADJACENT TO HIS EXCAVATION AREAS. ANY DAMAGE TO STRUCTURE SHALL BE REPAIRED BY CONTRACTOR AT HIS OWN COST.

12. THE CONTRACTOR SHALL MAINTAIN A MINIMUM 12 INCH CLEARANCE BETWEEN PROPOSED AND EXISTING UNDERGROUND UTILITIES AND STRUCTURES. CONTRACTOR TO NOTIFY CONSTRUCTION MANAGER / ENGINEER IMMEDIATELY AFTER UNCOVERING EXISTING UTILITIES IF CLEARANCE CANNOT BE ACHIEVED. NO CHANGES ARE TO BE MADE. WITHOUT THE CONSTRUCTION MANAGER'S / ENGINEER'S APPROVAL.

13. THE LOCATIONS AND ELEVATIONS OF THE EXISTING UTILITIES ARE APPROXIMATE. THE ELEVATIONS OF THE EXISTING UTILITIES AT THE TERMINATING CONNECTION POINTS TO THE PROPOSED UTILITIES AND AT PROPOSED UTILITY CROSSINGS MUST BE FIELD CHECKED PRIOR TO CONSTRUCTING THE NEW UTILITIES.

14. CONNECTIONS TO EXISTING SEWERS SHALL BE MADE PER MUNICIPALITY, AUTHORITY, AND/OR UTILITY COMPANY'S REQUIREMENTS AND APPROVALS, AND USING APPROVED MATERIALS. APPROVED DIELECTRIC COUPLINGS SHALL BE USED BETWEEN DISSIMILAR

15. IF UTILITY CONFLICTS ARE ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY INFORM THE CONSTRUCTION MANAGER / ENGINEER AND MAKE ARRANGEMENTS WITH THE UTILITY OWNER FOR THE RELOCATION OF THE NECESSARY UTILITIES AT NO COST TO THE OWNER OR THE ENGINEER.

16. MANHOLE RIM AND INLET GRATE ELEVATIONS ARE APPROXIMATE, CONTRACTOR SHALL ADJUST RIMS TO MATCH FINAL GRADE ADJACENT TO SAME

17. CLEANOUT CAPS, GRATES, VALVE BOXES, ETC. SHALL HAVE BLACK FINISH TOPS. 18. IF CONFLICTS EXIST BETWEEN PROPOSED SEWERS SHOWN ON SEWER PROFILES AND THOSE SHOWN ON UTILITY PLANS, CONTRACTOR SHALL NOTIFY CONSTRUCTION MANAGER /

19. CONTRACTOR IS RESPONSIBLE FOR THE SUPPORT OF ALL EXCAVATIONS AND OF EXISTING UTILITIES WITHIN THE EXCAVATIONS PER OSHA REQUIREMENTS, STATE AND LOCAL CODES. UTILITY COMPANY REQUIREMENTS, ACCEPTED INDUSTRY STANDARDS, OR SPECIFIED REQUIREMENTS, WHICHEVER IS MOST STRINGENT

20 CONTRACTOR TO CONSTRUCT MANHOLE AND INLET STRUCTURES IN ACCORDANCE WITH LATEST EDITION OF PENNDOT PUBLICATION 72M STANDARDS FOR ROADWAY CONSTRUCTION AND MUNICIPALITY STANDARDS

21. STORM DRAINAGE PIPE SHALL BE LAID ON SMOOTH CONTINUOUS GRADES WITH NO VISIBLE BENDS AT JOINTS.

22. UTILITY CONNECTION AND UTILITY COMPANY DETAILS FOR RECONNECTION AND NEW SERVICE WERE NOT PROVIDED BY THE UTILITY COMPANIES. CONTRACTOR MUST OBTAIN ANY REQUIRED UTILITY DETAILS FOR RECONNECTION OF EXISTING SERVICES OR NEW SERVICE AND IS RESPONSIBLE FOR THE CONSTRUCTION OF EACH NEW SERVICE PER THE APPROPRIATE UTILITY COMPANIES SPECIFICATIONS.

23. ALL PIPE LENGTHS AND DISTANCES BETWEEN STRUCTURES ARE MEASURED FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE ALONG A HORIZONTAL PLANE. 24. CONTRACTOR SHALL EXCAVATE ONLY ENOUGH TRENCH FOR WHICH PIPE CAN BE INSTALLED

AND TRENCH BACKFILLED BY THE END OF EACH WORK DAY. 25. EXISTING UTILITY LATERALS FOR THE PREVIOUS USE ARE NOT TO BE REUSED UNLESS NOTED

26. RUNOFF FROM IMPERVIOUS AREAS SHALL NOT BE DIRECTED INTO THE SANITARY SEWER NOR ONTO ADJACENT PROPERTIES.

MUNICIPALITY AND/OR AUTHORITY'S STANDARD SPECIFICATIONS. WATER MAINS ARE TO BE INSTALLED AT 4'-0" MINIMUM COVER UNLESS OTHERWISE INDICATED. 28. FIRE HYDRANT LOCATIONS AND CONSTRUCTION ARE SUBJECT TO THE APPROVAL OF THE

27. ALL WATER MAINS AND APPURTENANCES SHALL MEET THE REQUIREMENTS OF THE

LOCAL FIRE OFFICIALS AND UTILITY COMPANY.

29. DOMESTIC AND FIRE WATER BACKFLOW PREVENTION DEVICES ARE TO BE INSTALLED WITHIN THE BUILDING AND APPROVED BY MUNICIPALITY AND/OR AUTHORITY.

30. FINAL LOCATIONS OF HOSE BIBS AND ROUTING OF SERVICE PIPING SHALL BE DETERMINED BY THE CONTRACTOR IN THE FIELD AND IN ACCORDANCE WITH THE MEP PLANS.

31. ELECTRICAL TRANSFORMERS, PAD SIZES, AND LOCATIONS TO BE COORDINATED WITH THE UTILITY COMPANY, OWNER/DEVELOPER, AND ARCHITECT, ELECTRIC AND TELECOM UTILITIES ARE SHOWN FOR COORDINATION PURPOSES ONLY. CONSTRUCTION AND INSTALLATION OF THE UTILITIES TO BE IN ACCORDANCE WITH THE UTILITY COMPANY AND MEP PLANS, DETAILS, AND SPECIFICATIONS. CONTRACTOR TO IMMEDIATELY NOTIFY THE ENGINEER OF CONFLICTS AND CHANGES TO THE PLAN.

WATER NOTES:

ENGINEER IMMEDIATELY.

1. EXISTING WATER LINES WITHIN THE PROJECT AREA ARE PRIVATE LINES. PROPOSED CHANGES TO WATER LINES ARE TO BE COORDINATED WITH THE ENGINEER IN ORDER TO CONTINUE TO PROVIDE SERVICE TO CAMPUS SYSTEMS.

2. WATER LINE CONSTRUCTION SHALL BE SEQUENCED IN SUCH A MANNER AS TO MINIMIZE LOSS OF SERVICE TO ANY OTHER CAMPUS SYSTEMS. CONTRACTOR SHALL COORDINATE WITH ENGINEER. DEPENDING UPON THE NATURE OF THE LOSS OF SERVICE. IT MAY BE REQUIRED THAT WORK BE COMPLETED IN THE EVENING AFTER NORMAL BUSINESS. ALL VALVES NEEDED FOR SHUT-DOWN SHALL BE COORDINATED WITH FNGINFFR

3. A MINIMUM VERTICAL CLEARANCE OF EIGHTEEN (18) INCHES BETWEEN ANY UTILITY AND THE WATER MAIN AND OTHER APPURTENANCES.

4. WATER MAINS SHALL BE CONSTRUCTED OF DUCTILE IRON PIPE, DOUBLE CEMENT LINED AND TAR COATED WITH PUSH-ON JOINTS, CLASS 52.

5. ALL FITTINGS SHALL BE DUCTILE IRON CLASS 350 ANSI A21.10 OR ANSI A21.53, EPOXY COATED MECHANICAL OR PUSH-ON JOINTS. NOTE: FITTINGS NOT FURNISHED WITH AN EPOXY COATING CAN BE FURNISHED WITH A DOUBLE CEMENT LINING AND TAR COATING.

6. THE WATER LINES WITHIN THE PROJECT AREA ARE PRIVATE. WATER LINE REVISIONS SHOULD BE COORDINATED WITH THE CAMPUS SYSTEM.

7. FIRE HYDRANT AND WATER MAINS TO BE INSTALLED AND UNDER PRESSURE BEFORE ANY COMBUSTIBLE CONSTRUCTION IS STARTED.

8. MINIMUM COVER OF ALL WATER MAINS AND APPURTENANCES SHALL BE FOUR FEET

9. PROPOSED WATER LINES WITHIN THE EXISTING AND PROPOSED BUILDINGS TO BE CONNECTED TO THE EXISTING WATER LINE SERVICING THE SITE. WATER SERVICE SHALL BE METERED BY THE EXISTING MASTER METER FOR THE CAMPUS.

UTILITY PROVIDER LIST:

COMPANY: FRONTIER COMMUNICATIONS OF PA INC ADDRESS: 300 E LAIRD ST WILKES BARRE, PA. 18702 CONTACT: MICHAEL NAVICH EMAIL: Michael.Navich@FTR.com

PHONE: 570-208-3375 COMPANY: COMCAST ADDRESS: 1004 CORNERSTONE BLVD DOWNINGTOWN, PA. 19335 CONTACT: JOHN CEDRICK SALVATIERRA EMAIL: JOHNCEDRICK_SALVATIERRA@COMCAST.COM PHONE: 267-271-9781

COMPANY: USIC LOCATING SERVICES LLC ADDRESS: 9045 N RIVER ROAD SUITE 300 INDIANAPOLIS, IN. 46240 CONTACT: USIC DISPATCH PHONE: 800-778-9140 COMPANY: LEHIGH UNIVERSITY ADDRESS: 114 RESEARCH DR

BETHLEHEM PA 18015

CONTACT: STEVEN BENKO

EMAIL: ssb2@lehigh.edu

PHONE: 610-758-5378

COMPANY: BETHLEHEM CITY OF ADDRESS: 10 E CHURCH STREET BETHLEHEM, PA. 18018 CONTACT: ROBERT TAYLOR EMAIL: rtaylor@bethlehem-pa.gov PHONE: 610-428-0211

COMPANY: SERVICE ELECTRIC CABLE TV INC ADDRESS: 2260 AVENUE A - LVIP 1 BETHLEHEM, PA. 18017 CONTACT: RICH PERICH EMAIL: rperich@sectv.com PHONE: 610-625-8502

COMPANY: UGI UTILITIES INC BETHLEHEM, PA. 18017 CONTACT: TIMOTHY STEWARD EMAIL: tsteward@ugi.com PHONE: 610-807-3162

GENERAL CONSTRUCTION AND GRADING NOTES:

ALL WORK SHALL COMPLY WITH APPLICABLE STATE, FEDERAL AND LOCAL CODES AND ALL NECESSARY LICENSES AND PERMITS SHALL BE OBTAINED BY THE CONTRACTOR AT HIS EXPENSE

UNLESS PREVIOUSLY OBTAINED BY THE OWNER/DEVELOPER. 2. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE FOLLOWING STANDARDS, AS

APPLICABLE: A. PENNDOT SPECIFICATION. PUB 408/2020 OR LATEST REVISION. B. PENNDOT STANDARDS FOR ROADWAY CONSTRUCTION, PUBLICATION 72M, LAST REVISED 9/01/23 OR LATEST REVISION

C. PENNDOT HANDBOOK OF APPROVED SIGNS, PUB 236/2012 OR LATEST REVISION.). AMERICANS WITH DISABILITIES ACT OF JULY 1991 AS AMENDED E. THE PENNSYLVANIA CLEAN STREAM LAW (35 P.S. SECTION 691.1 ET. SEQ.).

F. REGULATIONS OF PA CODE TITLE 25. CHAPTER 102. G. MUNICIPALITY STANDARDS AND SPECIFICATIONS (LATEST EDITION) H. IN EVENT OF A CONFLICT AMONG THESE REQUIREMENTS AND/OR PLANS, THE MORE RESTRICTIVE REGULATION SHALL APPLY OR A CLARIFICATION SHALL BE OBTAINED FROM THE ENGINEER.

3. THE CONTRACTOR SHALL BE REQUIRED TO REVIEW AND ABIDE BY SPECIFICATIONS OF THE PLAN AND ALL SUPPORTING DOCUMENTS, PERMITS, AND REPORTS FOR THIS SITE, INCLUDING NOT BUT NOT LIMITED TO: • FROSION AND SEDIMENTATION CONTROL PLAN (IF APPLICABLE) POST CONSTRUCTION STORMWATER MANAGEMENT PLAN (IF APPLICABLE)

 GEOTECHNICAL REPORT (IF APPLICABLE) THE CONTRACTOR SHALL IMMEDIATELY INFORM THE ENGINEER OF ANY DISCREPANCIES OR ERROR THEY DISCOVER IN THE PLANS.

• HIGHWAY OCCUPANCY PLANS (IF APPLICABLE)

DEVIATION FROM THESE PLANS AND NOTES WITHOUT THE PRIOR CONSENT OF THE OWNER OR HIS REPRESENTATIVE OR THE ENGINEER MAY BE CAUSE OF THE WORK TO BE UNACCEPTABLE. ALL MATERIALS SHALL BE NEW UNLESS USED OR SALVAGED MATERIALS ARE AUTHORIZED BY THE

TRAFFIC CONTROL METHODS, SUCH AS BARRICADES, SUFFICIENT LIGHTS, SIGNS, ETC., THAT MAY BE NECESSARY FOR THE PROTECTION AND SAFETY OF THE PUBLIC SHALL BE PROVIDED AND MAINTAINED THROUGHOUT THE CONSTRUCTION.

8. CONTRACTOR SHALL FURNISH AND MAINTAIN ALL NECESSARY BARRICADES AROUND THE WORK

THE CONTRACTOR SHALL MAINTAIN ACCESS FOR EMERGENCY VEHICLES AROUND AND TO ALL BUILDINGS NEAR CONSTRUCTION. IN TIME OF RAIN OR MUD. ROADS SHALL BE ABLE TO CARRY A FIRE TRUCK BY BEING PAVED OR HAVING A CRUSHED STONE BASE FTC. WITH A MINIMUM WIDTH OF 20 FEET. ACCESS TO BUILDINGS THAT HAVE SPRINKLER OR STANDPIPE SYSTEMS SHALL BE WITHIN 40 FEET OF THE FIRE DEPARTMENT CONNECTOR. (NFPA 1141 3-1) 10. THE CONTRACTOR WILL ENSURE THAT POSITIVE AND ADEQUATE DRAINAGE IS MAINTAINED AT ALL

SPECIFIC LOCATIONS AND HAVING SPECIFIC PAY ITEMS IN THE DETAILED ESTIMATE NO SEPARATE PAYMENT WILL BE MADE FOR ANY COSTS INCURRED TO COMPLY WITH THIS REQUIREMENT. 11. THE CONTRACTOR SHALL PROVIDE ANY AND ALL EXCAVATION AND MATERIAL SAMPLES NECESSARY TO CONDUCT REQUIRED SOIL TESTS. ALL ARRANGEMENTS AND SCHEDULING FOR THE

TIMES WITHIN THE PROJECT LIMITS. THIS MAY INCLUDE. BUT NOT BE LIMITED TO REPLACEMENT OR

RECONSTRUCTION OF EXISTING DRAINAGE STRUCTURES THAT HAVE BEEN DAMAGED OR REMOVED

OR REGRADING AS REQUIRED BY THE ENGINEER. EXCEPT FOR THOSE DRAINAGE ITEMS SHOWN AT

TESTING SHALL BE THE CONTRACTOR'S RESPONSIBILITY. 12. ALL PERMITS MUST BE OBTAINED PRIOR TO THE START OF CONSTRUCTION.

13. EXISTING GRADES AND ELEVATIONS TO BE TIED INTO AROUND THE SITE SHALL BE VERIFIED BY THE CONTRACTOR, DEVIATIONS OF EXISTING GRADES AND ELEVATIONS FOUND IN THE FIELD BY THE CONTRACTOR SHALL BE IMMEDIATELY REPORTED TO THE DESIGN ENGINEER.

14. DEVIATION FROM THESE PLANS AND NOTES WITHOUT THE PRIOR CONSENT OF THE OWNER OR HIS REPRESENTATIVE OR THE ENGINEER MAY BE CAUSE OF THE WORK TO BE UNACCEPTABLE.

16. MATERIALS SHALL BE NEW UNLESS USED OR SALVAGED MATERIALS ARE AUTHORIZED BY THE

15. MINIMUM PAVEMENT GRADE SHALL BE 1.0% UNLESS NOTED OTHERWISE.

17. HIGH INTENSITY LIGHTING FACILITIES SHALL BE SO ARRANGED THAT THE SOURCE OF ANY LIGHT IS CONCEALED FROM PUBLIC VIEW AND FROM ADJACENT RESIDENTIAL PROPERTY AND DOES NOT INTERFERE WITH TRAFFIC.

18. BEDDING REQUIREMENTS SPECIFIED HEREIN ARE TO BE CONSIDERED AS MINIMUMS FOR RELATIVELY DRY, STABLE EARTH CONDITIONS. ADDITIONALLY BEDDING SHALL BE REQUIRED FOR ROCK TRENCHES AND WET AREAS CONTRACTOR SHALL HAVE THE RESPONSIBILITY TO PROVIDE SUCH ADDITIONAL BEDDING AS MAY BE REQUIRED TO PROPERLY CONSTRUCT THE WORK

19. THE CONTRACTOR WILL ENSURE THAT POSITIVE AND ADEQUATE DRAINAGE IS MAINTAINED AT ALL TIMES WITHIN THE PROJECT LIMITS. THIS MAY INCLUDE, BUT NOT BE LIMITED TO REPLACEMENT OR RECONSTRUCTION OF EXISTING DRAINAGE STRUCTURES THAT HAVE BEEN DAMAGED OR REMOVED OR REGRADING AS REQUIRED BY THE ENGINEER, EXCEPT FOR THOSE DRAINAGE ITEMS SHOWN A SPECIFIC LOCATIONS AND HAVING SPECIFIC PAY ITEMS IN THE DETAILED ESTIMATE. NO SEPARATE PAYMENT WILL BE MADE FOR ANY COSTS INCURRED TO COMPLY WITH THIS REQUIREMENT.

20. SOIL TESTING AND ON-SITE INSPECTION SHALL BE PERFORMED BY AN INDEPENDENT GEOTECHNICAL ENGINEER. A GEOTECHNICAL ENGINEER IS REQUIRED TO INSPECT, TEST AND CERTIFY TO THE COMPACTION OF ALL LOAD BEARING FILLS. THE GEOTECHNICAL ENGINEER SHALL PROVIDE COPIES OF TEST REPORTS TO THE CONTRACTOR THE OWNER AND TO THE OWNER'S REPRESENTATIVE AND SHALL PROMPTLY NOTIFY THE OWNER. HIS REPRESENTATIVE AND THE CONTRACTOR, SHOULD WORK PERFORMED BY THE CONTRACTOR FAIL TO MEET THESE

21. ALL IMPROVEMENTS WITHIN THE PUBLIC RIGHT-OF-WAY MUST COMPLY WITH THE MUNICIPALITY'S AND/OR PENNDOT STANDARDS AND SPECIFICATIONS.

22. UNSTABLE SOILS TO BE UNDERCUT, REMOVED, AND REPLACED IN ACCORDANCE WITH THE GEOTECHNICAL REPORT

23. TOPSOIL MOVED DURING THE COURSE OF CONSTRUCTION SHALL BE SAVED AND REDISTRIBUTED

ON ALL REGRADED SURFACES - SO AS TO PROVIDE AT LEAST FOUR INCHES OF EVEN COVER TO ALL DISTURBED AREAS OF THE DEVELOPMENT AND SHALL BE STABILIZED BY SEEDING AND 24. MATERIALS AND CONSTRUCTION STANDARDS FOR STREETS, CURBS, AND GUTTERS; STORM AND SANITARY SEWERS: AND. SIDEWALKS. SHALL CONFORM TO MUNICIPALITY'S AND/OR PENNDOT

STANDARDS. CONSTRUCTION AND INSTALLATION OF ALL FACILITIES SHALL CONFORM TO MUNICIPAL SPECIFICATIONS AND BE SUBJECT TO INSPECTION BY APPROPRIATE MUNICIPAL

26. ALL EXTERIOR CONCRETE AREAS TO UTILIZE CONCRETE WATERPROOFING ADMIXTURE

25. A MINIMUM 8" TOPSOIL IS REQUIRED FOR ALL VEGETATED AREAS.

DEMOLITION NOTES:

DEMOLITION WILL BEGIN UPON RECEIPT OF ALL NECESSARY APPROVALS AND PERMITS FROM ALL APPLICABLE GOVERNMENTAL AGENCIES. ALL WORK SHALL COMPLY WITH APPLICABLE FEDERAL,

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT THE AREAS FOR BOTH VEHICULAR AND PEDESTRIAN TRAFFIC BE SAFE, CLEAN, AND ACCESSIBLE AT ALL TIMES DURING

CONTRACTOR SHALL CONTACT THE PA ONE CALL SYSTEM (1-800-242-1776) PER ACT 287, AS AMENDED. NOT LESS THAN THREE DAYS NOR MORE THAN TEN WORKING DAYS BEFORE COMMENCING WITH DEMOLITION.

4. CONTRACTOR IS RESPONSIBLE FOR UTILIZING APPLICABLE EROSION CONTROL MEASURES PRIOR TO AND DURING DEMOLITION. REFER TO EROSION AND SEDIMENTATION CONTROL PLANS. NOTES AND DETAILS FOR EROSION AND SEDIMENT CONTROL PROCEDURES THE CONTRACTOR SHALL ENSURE THAT PROPER MECHANISMS ARE IN PLACE TO CONTROL WASTE MATERIALS THAT COULD ADVERSELY IMPACT WATER QUALITY. DEMOLITION WASTES INCLUDE. BUT ARE NOT LIMITED TO, EXCESS SOIL MATERIALS, BUILDING MATERIAL, CONCRETE WASTE WATER.

SANITARY WASTES, ETC. MEASURES SHOULD BE PLANNED AND IMPLEMENTED FOR HOUSE

KEEPING, MATERIAL MANAGEMENT AND LITTER CONTROL. WHEREVER POSSIBLE, RECYCLING OF EXCESS MATERIALS IS PREFERRED, RATHER THAN DISPOSAL. DIRECT ALL PLIMP DISCHARGES. RESULTING FROM DEWATERING OPERATIONS TO A SUITABLE FILTERING DEVICE IN ACCORDANCE WITH THE EROSION AND SEDIMENT CONTROL PLAN. 6. THE CONTRACTOR SHALL IMMEDIATELY REMOVE ANY AND ALL DEBRIS THAT MAY FALL ON THE ROADWAY AND/OR MAY BE TRACKED ONTO THE ROADWAY

7. UTILITY REMOVALS/ABANDONMENT SHALL BE IN ACCORDANCE WITH THE FOLLOWING ADDITIONAL A. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE LOCATION OF ALL

EXISTING UNDERGROUND UTILITIES AND TO TAKE WHATEVER STEPS NECESSARY TO PROVIDE FOR THEIR PROTECTION. THE ENGINEER HAS DILIGENTLY ATTEMPTED TO LOCATE AND INDICATE ALL EXISTING FACILITIES ON THESE PLANS; HOWEVER, THIS INFORMATION IS SHOWN FOR THE CONTRACTOR'S CONVENIENCE ONLY. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE LOCATIONS OF UTILITIES SHOWN OR NOT SHOWN. THE CONTRACTOR SHALL CONTACT THE UTILITY COMPANIES FOR EXACT LOCATION OF THEIR UTILITIES PRIOR TO STARTING CONSTRUCTION. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO

REPAIR AND REPLACE ANY AND ALL DAMAGE MADE TO UTILITIES BY THE CONTRACTOR. B. CONTRACTOR TO NOTIFY APPROPRIATE UTILITY COMPANY PRIOR REMOVAL/ABANDONMENT OF

C REMOVAL/ABANDONMENT OF PRIVATE UTILITY COMPANY SERVICES TO BE IN ACCORDANCE WITH EACH RESPECTIVE UTILITY COMPANY STANDARD SPECIFICATIONS OR THE FOLLOWING PROCEDURE WHICH EVER IS MORE RESTRICTIVE ALL PIPES TO BE ABANDON SHALL BE EITHER EXCAVATED. REMOVED AND THE TRENCH BACKFILLED WITH COURSE AGGREGATE MATERIAL OR ALTERNATE MATERIAL APPROVED.

FILLED WITH FLOWABLE FILL/SAND AND THE ENDS SEALED WITH WATERTIGHT GROUT. ALL STRUCTURES TO BE ABANDONED IN-PLACE SHALL HAVE AT MINIMUM THE FIRST 5 FEET BELOW PROPOSED GRADE REMOVED. THE REMAINING STRUCTURE SHALL BE COMPLETELY FILLED WITH FLOWABLE FILL, CAPPED WITH A WATERTIGHT CONCRETE COVER AND SEALED WITH WATERTIGHT GROUT. WHERE SITE GRADING NECESSITATES STRUCTURE REMOVAL, THE ASSOCIATED PIPES SHALL BE FILLED WITH FLOWABLE FILL AND THE ENDS SEALED WITH WATERTIGHT GROUT. THE CONTRACTOR SHALL FIELD VERIFY THE FLOW PATH OF ALL PIPES TO ENSURE THAT PLUGGING PIPES WILL NOT ADVERSELY AFFECT DRAINAGE ON ANY ADJACENT ROADWAY OR PROPERTY.

BY THE ENVIRONMENTAL ENGINEER OF RECORD OR THE PIPE SHALL BE COMPLETED

9. REMOVAL AND DISPOSAL OF BITUMINOUS MATERIAL SHALL BE IN COMPLETED IN ACCORDANCE WITH DETAILS AND REGULATIONS OF THE MUNICIPALITY PADEP AND PENNDOT AS APPLICABLE AND IS SUBJECT TO INSPECTION AND APPROVAL AS APPROPRIATE.

SANITARY SEWER NOTES:

1. ALL SANITARY SEWER MANHOLES NOT LOCATED IN PAVED AREAS MUST BE EQUIPPED WITH WATERTIGHT FRAMES AND COVERS TO PREVENT THE INFLOW OF SURFACE WATER INTO THE

SANITARY SEWER ALL SANITARY SEWER CONSTRUCTION MUST CONFORM TO THE MUNICIPALITY'S STANDARDS AND SPECIFICATIONS (LATEST EDITION).

CONTRACTOR TO FIELD VERIFY LOCATION AND INVERT OF EXISTING SANITARY SEWER MAINS AND EXISTING LATERALS FOR CONNECTION TO EXISTING SEWER SYSTEM.

4. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND CUT SHEETS FOR ALL SANITARY SYSTEM CONSTRUCTION FOR REVIEW AND APPROVAL BY THE MUNICIPALITY PRIOR TO CONSTRUCTION.

5. TYPICAL COVER OF THE SANITARY SEWER MAIN SHALL BE A MINIMUM OF FIVE FEET (5'). 6. UNLESS OTHERWISE NOTED, THE SANITARY MAIN PIPE AND FITTINGS SHALL BE GASKETED SDR-26

MANHOLE STRUCTURES SHALL CONFORM TO ASTM C-478 AND PENNDOT PUB. 408, TO SUPPORT

8. UNLESS OTHERWISE NOTED, SANITARY LATERALS SHALL CONSIST OF SIX (6") INCH DIAMETER

SDR-26 SEWER PIPE AT A MINIMUM SLOPE OF 1/4" PER FOOT. PROPOSED SANITARY SEWER PIPING WITHIN THE EXISTING AND PROPOSED BUILDINGS SHALL BE CONNECTED TO EXISTING LATERALS IN ADDITION TO A PROPOSED CONNECTION PER THE MEP PLANS. THE PROPOSED SANITARY CONNECTION AND LATERAL SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MUNICIPALITY, AUTHORITY, AND/OR UTILITY COMPANY'S

STORM SEWER NOTES:

1. ALL STORM DRAINAGE PIPE SHALL BE LAID ON SMOOTH CONTINUOUS GRADES WITH NO VISIBLE BENDS AT JOINTS. 2. ALL STORM DRAINAGE PIPE SHALL BE CONSTRUCTED WITH WATERTIGHT JOINTS. PROVIDE

GASKETS SUITABLE FOR REINFORCED CONCRETE PIPE OR HIGH-DENSITY POLYETHYLENE PIPE EXISTING STORM SEWER STRUCTURES TO BE MODIFIED SHALL BE ADJUSTED BY THE USE OF PRECAST CONCRETE RISER SECTIONS. IF STRUCTURE CANNOT BE MODIFIED, IT SHALL BE REPLACED. CONTRACTOR TO VERIFY DIMENSIONS OF ALL EXISTING STRUCTURES TO BE

SOILS SUMMARY CHART

				DEPTH	TO		
SYMBOL	NAME	GROUP	SLOPES (%)	SEASONAL HIGH WATER TABLE (IN)	BEDROCK (IN)	LIMITATIONS	RESOLUTION
UpD	URBAN LAND GLADSTONE COMPLEX	А	8-25	>80	10-100	THIS SOIL HAS VARYING LIMITATIONS TO MOST NONFARM USES. THIS SOIL HAS THE POTENTIAL FOR SINKHOLES.	SEE RESOLUTION NOTES
GmF	GLADSTONE GRAVELLY LOAM	A	25-55	>80	60-100	THIS SOIL HAS VARYING LIMITATIONS TO MOST NONFARM USES. THIS SOIL HAS THE POTENTIAL FOR SINKHOLES.	SEE RESOLUTION NOTES
UoD	URBAN LAND DUFFIELD COMPLEX	В	8-25	>80	10-100	THIS SOIL HAS VARYING LIMITATIONS TO MOST NONFARM USES. THIS SOIL HAS THE POTENTIAL FOR SINKHOLES.	SEE RESOLUTION NOTES

RESOLUTION NOTES:

1. DEPTH TO SATURATED ZONE/SEASONAL HIGH WATER TABLE: SOILS SHOULD BE EVALUATED FOR WETNESS PRIOR TO USE IN SITE WORK, IF GEOTECHNICAL ENGINEER DEEMS SOIL TOO WET FOR SITE WORK, THEN SOILS SHALL BE AMENDED OR DRIED PER GEOTECHNICAL ENGINEER'S RECOMMENDATIONS.

. LOW STRENGTH/LANDSLIDE PRONE: SOILS SHOULD NOT BE USED FOR STRUCTURAL FILL UNLESS THEY HAVE BEEN EVALUATED BY A GEOTECHNICAL ENGINEER AND THE GEOTECHNICAL ENGINEER DEEMS THEM SUITABLE AS FILL OR PROVIDES RECOMMENDATIONS TO AMEND SOILS MAKING THEM SUITABLE AS FILL.

SOILS SHOULD BE FREE OF FROZEN OR MUCKY MATERIALS. FILL SHOULD NOT BE PLACED ON SATURATED OR FROZEN SURFACES. EARTHWORK INVOLVING THESE SOILS SHOULD BE LIMITED TO THE WARMER MONTHS WHEN PRACTICAL.

SOILS SHOULD BE EVALUATED FOR WETNESS PRIOR TO USE IN SITE WORK. IF GEOTECHNICAL ENGINEER DEEMS SOIL TOO WET FOR SITE WORK, THEN SOILS SHALL BE AMENDED OR DRIED PER GEOTECHNICAL ENGINEER'S RECOMMENDATIONS.

AREAS OF EMBANKMENTS WITH PIPES PASSING THROUGH THEM SHALL HAVE ANTI-SEEP COLLARS INSTALLED PER THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION'S (PA DEP) EROSION AND SEDIMENT POLLUTION CONTROL PROGRAM.

SOILS SHALL BE STABILIZED, WITH EITHER TEMPORARY OR FINAL STABILIZATION, IN AREAS WHERE EARTHWORK IS DELAYED OR STOPPED FOR FOUR CONSECUTIVE SHRINK/SWELL

SOILS SHOULD NOT BE USED FOR STRUCTURAL FILL UNLESS THEY HAVE BEEN EVALUATED BY A GEOTECHNICAL ENGINEER AND THE GEOTECHNICAL ENGINEER DEEMS THEM SUITABLE AS FILL OR PROVIDES RECOMMENDATIONS TO AMEND SOILS MAKING THEM SUITABLE AS FILL. 8. CUT BANKS CAVES - ALMOST ALL PENNSYLVANIA SOILS ARE SUSCEPTIBLE TO CAVING OF CUT BANKS. CUT SLOPES WILL BE STABILIZED AS SOON AS POSSIBLE WITH

9. LOW STRENGTH - MOST OF PENNSYLVANIA SOILS (73%) HAVE RELATIVELY LOW STRENGTH. PRECAUTIONS WILL BE TAKEN TO PREVENT SLOPE FAILURES DUE TO

IMPROPER CONSTRUCTION PRACTICES. SOILS WILL BE EVALUATED DURING CONSTRUCTION TO DETERMINE WHETHER ADDITIONAL MEASURES WILL NEED TO BE TAKEN 10. POOR TOPSOIL -SOIL AMENDMENTS WILL BE ADDED TO SITE SOILS TO PROMOTE VEGETATIVE GROWTH.

ZONING COMPLIANCE SUMMARY:

CITY OF BETHLEHEM ZONING ORDINANCE, ZONED "I" INSTITUTIONAL DISTRICT INTENDED USE: LEHIGH UNIVERSITY HOUSING - DORMITORY

SEED AND MULCH OR EROSION CONTROL BLANKETS TO PREVENT SLIDING. SLOPES ARE DESIGNED TO NOT EXCEED 2H:1V.

AREA REQUIREMENTS	REQUIRED	EXISTING	PROPOSED
MINIMUM TRACT AREA	2 AC.	97.81	
MINIMUM LOT WIDTH (FT)	20	>20	
MAXIMUM BUILDING COVERAGE (%)	65	<65	<65
MAXIMUM IMPERVIOUS COVERAGE (%)	80	<80	<80
MAXIMUM BUILDING HEIGHT (FT)	35		>35
BUILDING SETBACK REQUIREMENTS*			
FRONT YARD SETBACK (FT)	20		27
REAR YARD SETBACK (FT)	15		>15
SIDE YARD SETBACK (FT)**	15		>15

1 ALL DEVELOPABLE AREA IS OWNED BY LEHIGH UNIVERSITY

UNIVERSITY DRIVE IS PRIVATELY OWNED BY LEHIGH UNIVERSITY WITH NO RIGHT OF WAY. 3. BUILDING SETBACK REQUIREMENTS AND BUILDING HEIGHT PER THE INSTITUTIONAL DISTRICT ARE BASED OFF RIGHT OR WAY AND COMMON OWNERSHIP OF ADJACENT PROPERTIES THEREFORE

4. PROPERTY BEING DEVELOPED ARE IN EXCESS OF THE REQUIRED MINIMUM LOT SIZE, WIDTH. THE

OVERALL AMOUNT OF BUILDING COVERAGE IS LESS THAN THE REQUIRED FROM AN OVERA LEHIGH UNIVERSITY PROVIDES SHUTTLE SERVICE TO OFFSITE PARKING AREAS. OVERALL PARKING IS ACCOUNTED FOR IN PREVIOUSLY APPROVED CAMPUS WIDE PARKING STUDY.

CICNITADIE

SIGN TABLE			
SYMBOL	SIGN CHARACTERISTICS	PENNDOT#	SIZE
A	STOP	R1-1	30"X30"
B	RESERVED PARKING	R7-8	12"X18"
	VAN ACCESSIBLE	R7-8B	12"X6"
	RESERVED PARKING PENALTIES	R7-8F	12"X18"
	DO NOT ENTER	R5-1	30"X30"
Ē	ONE WAY	R6-1L	36"X12"
<u> </u>	EMERGENCY AND AUTHORIZED VEHICLES ONLY	R5-3-6	24"X30"
$oxed{\Xi}$	PEDESTRIAN	W11-2	36"X36"
	DIAGONAL DOWNWARD POINTING ARROW PLAQUE	W16-7P	24"X12"
O O	NO PARKING SYMBOL SIGN	R8-3	24"X24"
(K)	EMERGENCY AND AUTHORIZED VEHICLES ONLY	R5-101	24"X30"

ENGINEER'S CERTIFICATION

I, THOMAS J. SERPICO , HAVE PREPARED AND HEREBY CERTIFY THAT THE STORM WATER MANAGEMENT PLAN MEETS ALL DESIGN STANDARDS AND CRITERIA OF PLAINS TOWNSHIP'S SUBDIVISION

AND LAND DEVELOPMENT ORDINANCE AND THE APPLICABLE ACT 167 STORM WATER MANAGEMENT PLANS.

ENGINEER'S SIGNATURE 1 HIGHLAND AVE. - STE. 230

SURVEYOR'S CERTIFICATION

I, DAVID RUSSEL BOYER, A REGISTERED SURVEYOR OF THE COMMONWEALTH OF PENNSYLVANIA, DO HEREBY CERTIFY THAT THE FIELD SURVEY FOR THE SITE IS BALANCED WITH AN ERROR OF CLOSURE WHICH DOES NOT EXCEED 1 FOOT IN 10,000 FEET, AND THAT THE SUPPORTING DOCUMENTATION IS TRUE AND ACCURATE, TO THE BEST OF MY KNOWLEDGE.

THIS MAP. AND THE SURVEY ON WHICH IT IS BASED. WAS MADE IN ACCORD WITH CURRENT ACCEPTED

REGISTERED SURVEYORS' SIGNATURE

PENNSYLVANIA PRACTICE, AND THE FIELD WORK WAS COMPLETED ON

OWNER'S STATEMENT OF ACKNOWLEDGEMENT

BETHLEHEM, PENNSYLVANIA WE THE OWNERS OF THE LAND INVOLVING THE ACCOMPANYING PLANS. BEING DULY SWORN ACCORDING TO LAW, DEPOSE AND SAY WE ARE THE SOLE OWNERS OR ARE THE AUTHORIZED OFFICE OF THE CORPORATION THAT IS THE SOLE OWNERS OF THIS PROPERTY IN PEACEFUL POSSESSION OF IT. AND THAT THERE ARE NO SUITS PENDING AFFECTING THE TITLE OF THE SAME, AND THAT WE ACKNOWLEDGE AND ENDORSE THE ACCOMPANYING PLANS AND THAT ALL IMPROVEMENTS IDENTIFIED AS PROPOSED PUBLIC PROPERTY (NOT INCLUDING IMPROVEMENTS LABELED "NOT FOR DEDICATION") ARE PROPOSED FOR DEDICATION TO THE PUBLIC USE, AND THAT WE PROPOSED THE ATTACHED RECORD PLAN FOR RECORDING

NOTARY PUBLIC

Lehiah University 681 Taylor St. Bethlehem PA 18015 v 610-758-4622 340 North 12th Street, Suite 421 Philadelphia, PA 19107

CIVIL ENGINEER 81 Highland Ave, Suite 230 Bethlehem, PA 18017 https://www.pennoni.com/

v 215.627.0808

www.digsau.com

v 855-754-3595

LANDSCAPE ARCHITECT 1262 Simon Blvd, B105 Easton, PA 18042 https://omnes.studio/ v 215-882-0500

STRUCTURAL ENGINEER **Keast & Hood** 1635 Market St, #1705 Philadelphia, PA 19103 https://keasthood.com/

v 215-625-0099 MEP/FP ENGINEER 623 26th Ave

Rock Island, IL 61201 https://imegcorp.com/ v 215-569-0400 **LIGHTING** 77 Water Street

v 212-896-3000 1608 Walnut Street, Suite 1603

Philadelphia. PA 19103

New York, NY 10005

https://www.arup.com/en-us/

v 267-773-8375 VERTICAL TRANSPORTATION **Lerch Bates** 275 S Main St, Suite 2CC Doylestown, PA 18901 v 877-647-2110 https://www.lerchbates.com/

SKETCH PLAN NOT FOR CONSTRUCTION

LU PROJECT DIGSX25001 DA PROJECT | 2512 SCALE: AS NOTED

TJS

2025-09-10

SHEET NAME:

CHECKED:

NOTES SHEET

REVIEWED BY THE LEHIGH VALLEY PLANNING COMMISSION

RECORDER OF DEEDS OFFICE

RECORDED IN THE OFFICE FOR RECORDING OF DEEDS, ETC. IN

AND FOR THE COUNTY OF LEHIGH, AT BETHLEHEM, PENNSYLVANIA

SECRETARY

RECORDER OF DEEDS

LVPC STAFF PERSON RESPONSIBLE FOR REVIEW

CITY OF BETHLEHEM PLANNING COMMISSION

APPROVED BY THE CITY OF BETHLEHEM PLANNING COMMISSION ON

COUNTY OF

(AS APPLICABLE), AFTER RECEIVING ALL REQUIRED MUNICIPAL APPROVALS.. OWNER/REPRESENTATIVE SIGNATURES SWORN AND SUBSCRIBED BEFORE ME THIS ______ DAY OF _____, 20____

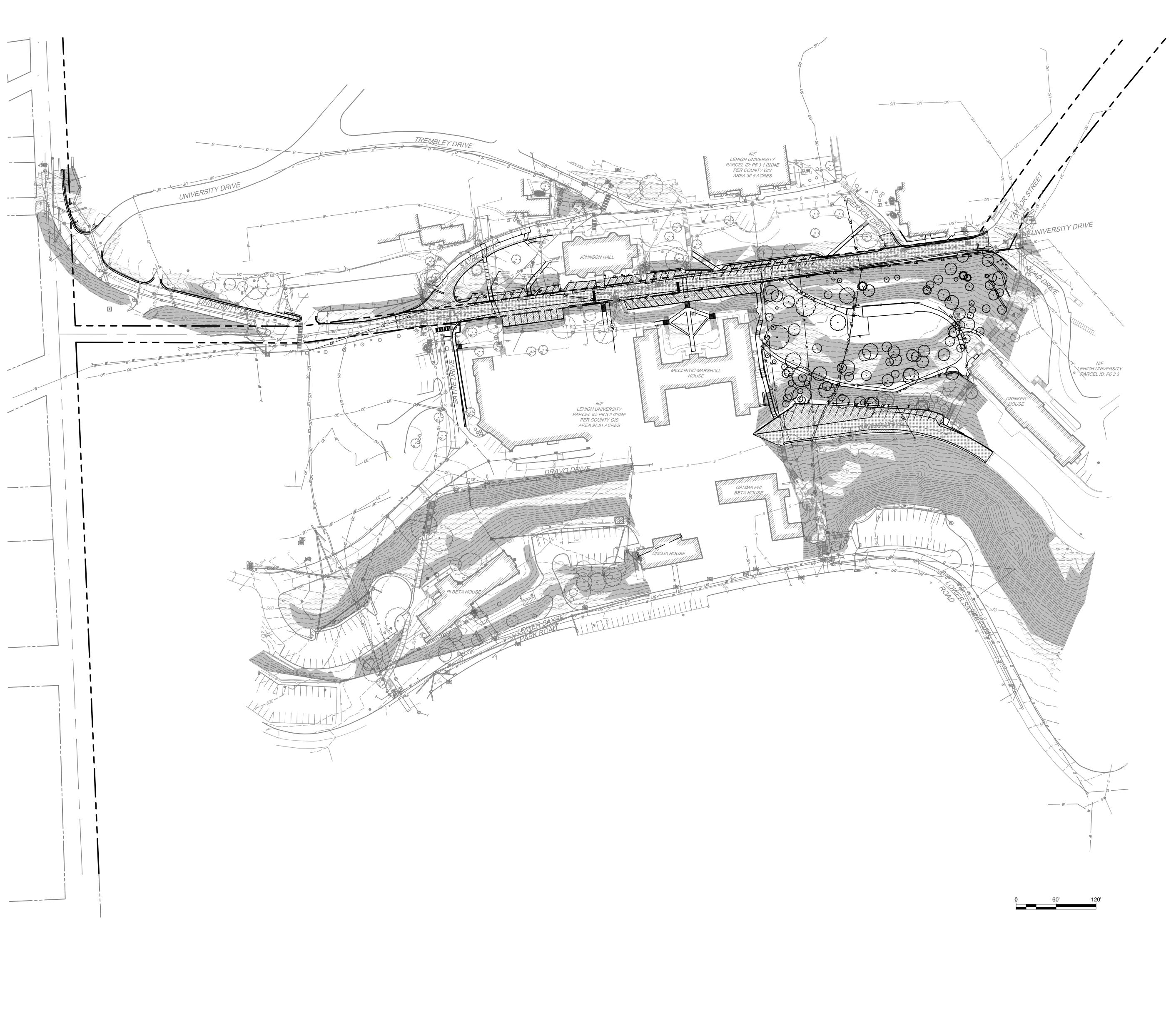
COMMONWEALTH OF PENNSYLVANIA

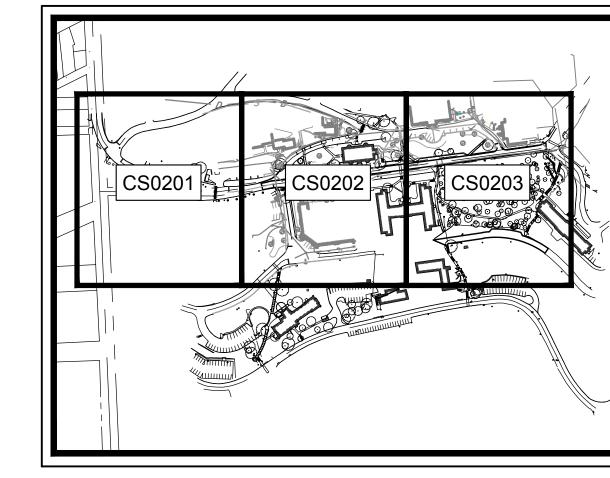
FORMAT: 30" X 42" DRAWN: 1005

\ DATE: DESCRIPTION:

SHEET 2 OF 18 PROJECT PHASE:

SHEET NUMBER:





	TO BE REMOVED	DESCRIPTION CURB
		CURB DEPRESSION
		EDGE OF PAVEMENT
		EDGE OF GRAVEL
		EASEMENT
xx	xx	FENCE
· · ·	· ·	FLOODPLAIN
Ġ.		GUIDE RAIL HANDICAP PARKING
		NATURAL GAS, METER
(j)	© aa	NATURAL GAS, MANHOLE
——— 0G ———— 0G ————	OG	NATURAL GAS, OVERHEAD NATURAL GAS, STUB OUT
	M	NATURAL GAS, VALVE
		NATURAL GAS, UNDERGROUND POWER, GUY POLE
(—	(POWER, GUY WIRE
[.8]	<u>la</u>	POWER, JUNCTION BOX
\$	\$	POWER, LIGHT
E	E	POWER, SPOT LIGHT POWER, MANHOLE
OE OE		POWER, OVERHEAD
③	①	POWER, METER
PB	PB	POWER, PANEL BOX POWER, STUB OUT
7	¥ 	POWER, TRANSFORMER
UE UE	UEUE	POWER, UNDERGROUND
Q	Q	POWER, UTILITY POLE
		PROPERTY, LINE LEGAL RIGHT-OF-WAY
		CORNER FOUND
\bigcirc	\odot	MISC. CORNER FOUND
<u> </u>	• • • • • • • • • • • • • • • • • • •	CONCRETE MONUMENT FOUND
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0	-0-	SITE, TRAFFIC SIGN
14/00		SOIL BOUNDARY
<i>WaC</i> ○	<i>WaC</i> ○	SOIL LABEL SANITARY, CLEAN-OUT
	FMFM	SANITARY, FORCE MAIN
FM	(FM)	SANITARY, FORCE MAIN MANH
s s s		SANITARY, FORCE STUB OUT SANITARY, LATERAL
\$	\$	SANITARY, MANHOLE
s s	s s	SANITARY, UNDERGROUND SANITARY, STUB OUT
Ψ DM	M M	SANITARY, VALVE
Ę		STORM, INLET STORM, HEADWALL
\bigcirc	(D)	STORM, MANHOLE
D	D D	STORM, UNDERGROUND
D ©	D	STORM, ROOF DRAIN STORM, CLEAN-OUT
		MINOR CONTOUR
——————————————————————————————————————		MAJOR CONTOUR
χ ^{100.5}	X ^{100.5} &	SPOT ELEVATION VEGETATION, SHRUB
Q	⊗	VEGETATION, STUMP
The state of the s	(X)	VEGETATION, DECIDUOUS
	· · · · · · · · · · · · · · · · · · ·	VEGETATION, CONIFEROUS VEGETATION, TREE LINE
	- \(-	WATER, FIRE HYDRANT
	W	WATER, MANHOLE
W	=	WATER, METER
(W) (S)	○	
W	=	WATER, STUB OUT WATER, UNDERGROUND
₩		WATER, STUB OUT WATER, UNDERGROUND WATER, UNDERGROUND FIRE
(W) (S)	© ₩ — w — w —	WATER, STUB OUT WATER, UNDERGROUND
₩		WATER, STUB OUT WATER, UNDERGROUND WATER, UNDERGROUND FIRE WATER, VALVE
₩		WATER, STUB OUT WATER, UNDERGROUND WATER, UNDERGROUND FIRE WATER, VALVE WETLAND
₩		WATER, STUB OUT WATER, UNDERGROUND WATER, UNDERGROUND FIRE WATER, VALVE WETLAND WETLAND WETLAND BUFFER ROAD ASPHALT - TO BE MILLED
₩		WATER, STUB OUT WATER, UNDERGROUND WATER, UNDERGROUND FIRE WATER, VALVE WETLAND WETLAND BUFFER ROAD ASPHALT - TO BE MILLED AND OVERLAYED
₩		WATER, STUB OUT WATER, UNDERGROUND WATER, UNDERGROUND FIRE WATER, VALVE WETLAND WETLAND WETLAND BUFFER ROAD ASPHALT - TO BE MILLED AND OVERLAYED ROAD ASPHALT - TO BE REMOVE

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Lehigh University
681 Taylor St.
Bethlehem PA 18015
v 610-758-4622

340 North 12th Street, Suite 421 Philadelphia, PA 19107 v 215.627.0808 www.digsau.com CIVIL ENGINEER
Pennoni 81 Highland Ave, Suite 230 Bethlehem, PA 18017 https://www.pennoni.com/ v 855-754-3595

LANDSCAPE ARCHITECT
Omnes
1262 Simon Blvd, B105
Easton, PA 18042
https://omnes.studio/
v 215-882-0500

STRUCTURAL ENGINEER

Keast & Hood

1635 Market St, #1705

Philadelphia, PA 19103

https://keasthood.com/

v 215-625-0099

MEP/FP ENGINEER
IMEG
623 26th Ave
Rock Island, IL 61201 https://imegcorp.com/ v 215-569-0400

<u>LIGHTING</u> **Arup**77 Water Street New York, NY 10005 https://www.arup.com/en-us/ v 212-896-3000

1608 Walnut Street, Suite 1603 Philadelphia, PA 19103 v 267-773-8375

VERTICAL TRANSPORTATION
Lerch Bates
275 S Main St, Suite 2CC
Doylestown, PA 18901
v 877-647-2110
https://www.lerchbates.com/

SKETCH PLAN
NOT FOR CONSTRUCTION

DATE: DESCRIPTION:

LU PROJECT DIGSX25001 DA PROJECT 2512 FORMAT: CHECKED:

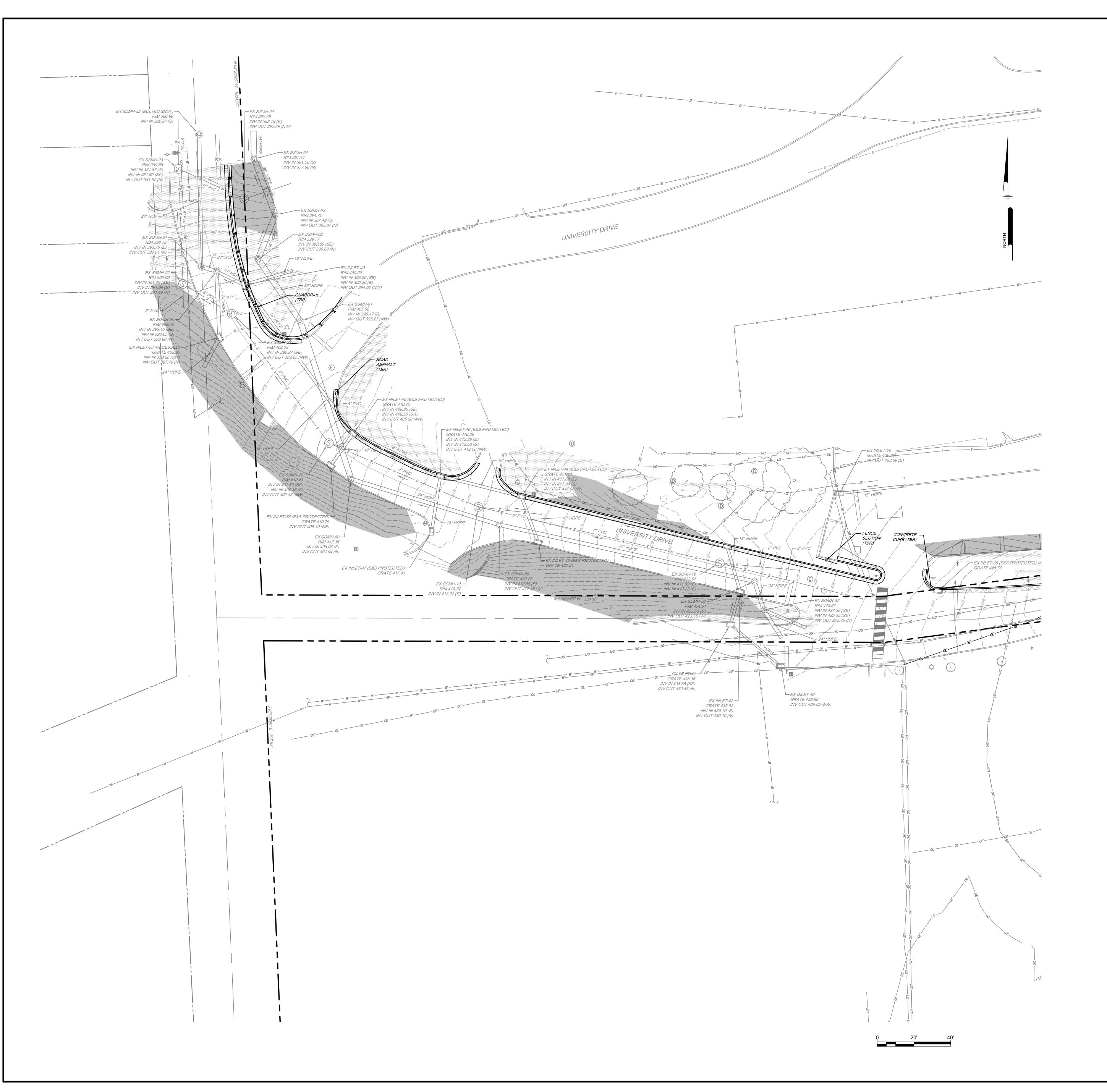
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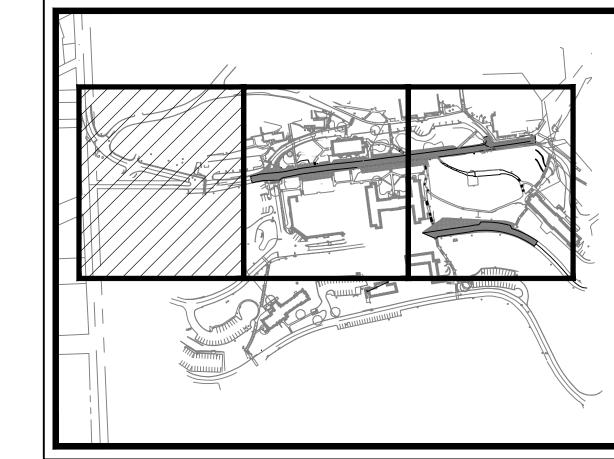
OVERALL EXISTING CONDITIONS AND DEMOLITION PLAN

SHEET NUMBER:

CS0200

SHEET 3 OF 18 PROJECT PHASE:





EVICTING	LEGEND	DECODIDATION
EXISTING	TO BE REMOVED	DESCRIPTION
		CURB
		CURB DEPRESSION
		EDGE OF PAVEMENT
		EDGE OF GRAVEL
		EASEMENT
xx	xx	FENCE
	· · ·	FLOODPLAIN
I I I		GUIDE RAIL
Č .	& . □	HANDICAP PARKING NATURAL GAS, METER
(G)	△ (G)	NATURAL GAS, MANHOLE
		NATURAL GAS, OVERHEAD
₽	₩	NATURAL GAS, STUB OUT
		NATURAL GAS, VALVE
	UG	NATURAL GAS, UNDERGROUND POWER, GUY POLE
(—	(—	POWER, GUY WIRE
		POWER, JUNCTION BOX
\Diamond	\$	POWER, LIGHT
\$		POWER, SPOT LIGHT
E	E	POWER, MANHOLE
OE	OE OE	POWER, OVERHEAD
③ ————————————————————————————————————	① —	POWER, METER
昭 安	昭 安	POWER, PANEL BOX POWER, STUB OUT
4	7	POWER, TRANSFORMER
UE UE	UE UE	POWER, UNDERGROUND
Q	Ø	POWER, UTILITY POLE
		PROPERTY, LINE
		LEGAL RIGHT-OF-WAY
lacktriangle	● ⓒ	CORNER FOUND MISC. CORNER FOUND
•	•	CONCRETE MONUMENT FOUND
	<u> </u>	BUILDING
### Description	⊕	SITE, POST
0	0	SITE, TRAFFIC SIGN
		SOIL BOUNDARY
WaC	WaC	SOIL LABEL
0	0	SANITARY, CLEAN-OUT
FM —	FM FM	SANITARY, FORCE MAIN SANITARY, FORCE MAIN MANHOL
a	₽	SANITARY, FORCE STUB OUT
s s s	s s	SANITARY, LATERAL
S	S	SANITARY, MANHOLE
s s	s s	SANITARY, UNDERGROUND
Ψ (M)	©(SANITARY, STUB OUT SANITARY, VALVE
		STORM, INLET
	L	STORM, HEADWALL
(D)		STORM, MANHOLE
D D	<i>D D D D D D D D D D</i>	STORM, UNDERGROUND STORM, ROOF DRAIN
		STORM, CLEAN-OUT
101	101	MINOR CONTOUR
	——————————————————————————————————————	MAJOR CONTOUR
X 100.5 ⊕	X 100.5 &∂	SPOT ELEVATION VEGETATION, SHRUB
0	&∂ ⊗	VEGETATION, STUMP
	(X)	VEGETATION, DECIDUOUS
	Tolong In the Control of the Control	VEGETATION, CONIFEROUS
		VEGETATION, TREE LINE
	- \(-	WATER, FIRE HYDRANT
(W)	(W)	WATER, MANHOLE WATER, METER
	○ ®	WATER, METER WATER, STUB OUT
w w	—— w ——— w ——	WATER, UNDERGROUND
F — F —		WATER, UNDERGROUND FIRE
(M)	M	WATER, VALVE
		WETLAND WETLAND BUFFER
		ROAD ASPHALT - TO BE MILLED
		AND OVERLAYED
		ROAD ASPHALT - TO BE REMOVE
		PAVEMENT SAWCUT

DIGSAU

Lehigh University
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Bethlehem PA 18015
v 610-758-4622

ARCHITECT
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Philadelphia, PA 19107

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LANDSCAPE ARCHITECT

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STRUCTURAL ENGINEER
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https://keasthood.com/
v 215-625-0099

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623 26th Ave

Rock Island, IL 61201 https://imegcorp.com/ v 215-569-0400 LIGHTING Arup 77 Water Street New York, NY 10005

https://www.arup.com/en-us/ v 212-896-3000

ENVELOPE
RWDI
1608 Walnut Street, Suite 1603

Philadelphia, PA 19103 v 267-773-8375 VERTICAL TRANSPORTATION Lerch Bates 275 S Main St, Suite 2CC Doylestown, PA 18901 v 877-647-2110

https://www.lerchbates.com/

SKETCH PLAN

NOT FOR CONSTRUCTION

DATE: DESCRIPTION:

LU PROJECT DIGSX25001

DA PROJECT 2512

SCALE: 1"=20'

FORMAT: 30" X 42"

DRAWN: 1005

CHECKED: TJS

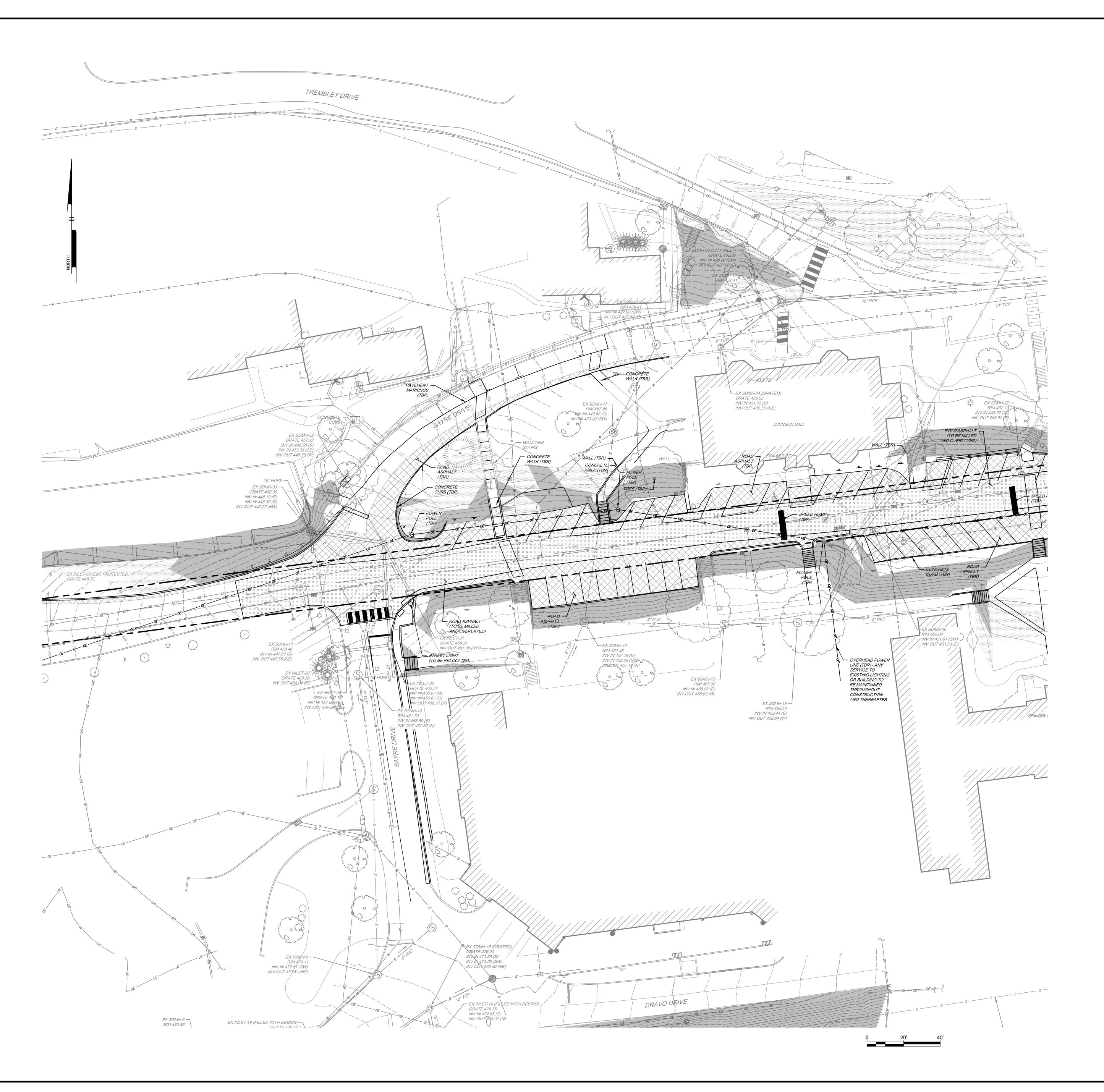
DATE: 2025-09-10

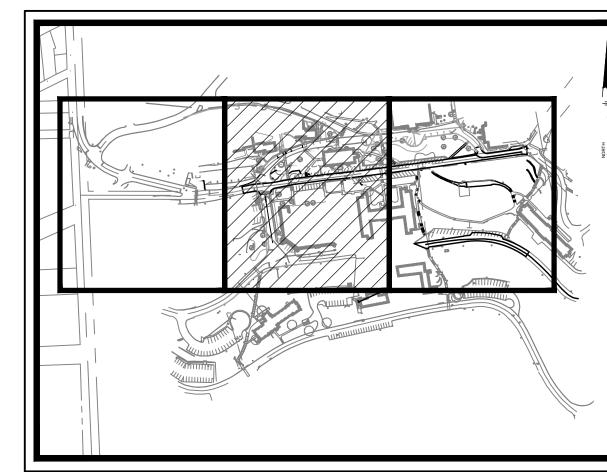
EXISTING
CONDITIONS AND
DEMOLITION PLAN

SHEET NUMBER:

CS0201

SHEET 4 OF 18
PROJECT PHASE:





EXISTING	TO BE REMOVED	DESCRIPTION
		CURB
		CURB DEPRESSION
		EDGE OF PAVEMENT
		EDGE OF GRAVEL
		EASEMENT
xx	xx	FENCE
· · ·	· · ·	FLOODPLAIN
I I I	<u> </u>	GUIDE RAIL
E	Ě	HANDICAP PARKING
		NATURAL GAS, METER NATURAL GAS, MANHOLE
		NATURAL GAS, OVERHEAD
\$\bar{\pi}\$	\$\bar{\pi}\$	NATURAL GAS, STUB OUT
		NATURAL GAS, VALVE
UGUG	UG	NATURAL GAS, UNDERGROUND
-① (- ① (—	POWER, GUY POLE POWER, GUY WIRE
Ţ.B.	<u></u>	POWER, JUNCTION BOX
<u>~</u>	_	POWER, LIGHT
	¢ (E	POWER, SPOT LIGHT
E	©	POWER, MANHOLE
OE OE	OE OE	POWER, OVERHEAD
③	①	POWER, METER
EE	EE	POWER, PANEL BOX POWER, STUB OUT
¥ 	Ψ • <u> </u>	POWER, TRANSFORMER
UE		POWER, UNDERGROUND
X	à	POWER, UTILITY POLE
		PROPERTY, LINE
		LEGAL RIGHT-OF-WAY
\bigcirc	●	CORNER FOUND MISC. CORNER FOUND
•	•	CONCRETE MONUMENT FOUND
	- {////////////////////////////////////	BUILDING
(///////	(/////////////////////////////////////	SITE, POST
-	-0-	SITE, TRAFFIC SIGN
		SOIL BOUNDARY
WaC	WaC	SOIL LABEL
0	0	SANITARY, CLEAN-OUT
——————————————————————————————————————	FM ——— FM ———	SANITARY, FORCE MAIN SANITARY, FORCE MAIN MANHO
₩ ₩	₩	SANITARY, FORCE STUB OUT
s s s	s s	SANITARY, LATERAL
	S	SANITARY, MANHOLE SANITARY, UNDERGROUND
(S)		
ss		
0	s s	SANITARY, STUB OUT SANITARY, VALVE
s s	190	SANITARY, STUB OUT SANITARY, VALVE STORM, INLET
s s	\$ M L	SANITARY, STUB OUT SANITARY, VALVE STORM, INLET STORM, HEADWALL
s s	190	SANITARY, STUB OUT SANITARY, VALVE STORM, INLET STORM, HEADWALL STORM, MANHOLE
		SANITARY, STUB OUT SANITARY, VALVE STORM, INLET STORM, HEADWALL
		SANITARY, STUB OUT SANITARY, VALVE STORM, INLET STORM, HEADWALL STORM, MANHOLE STORM, UNDERGROUND STORM, ROOF DRAIN STORM, CLEAN-OUT
	© D D D D D D D D D D D D D D D D D D D	SANITARY, STUB OUT SANITARY, VALVE STORM, INLET STORM, HEADWALL STORM, MANHOLE STORM, UNDERGROUND STORM, ROOF DRAIN STORM, CLEAN-OUT MINOR CONTOUR
	□ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □	SANITARY, STUB OUT SANITARY, VALVE STORM, INLET STORM, HEADWALL STORM, MANHOLE STORM, UNDERGROUND STORM, ROOF DRAIN STORM, CLEAN-OUT MINOR CONTOUR MAJOR CONTOUR
	© D D D D D D D D D D D D D D D D D D D	SANITARY, STUB OUT SANITARY, VALVE STORM, INLET STORM, HEADWALL STORM, MANHOLE STORM, UNDERGROUND STORM, ROOF DRAIN STORM, CLEAN-OUT MINOR CONTOUR
	© D D D D D D D D D D D D D D D D D D D	SANITARY, STUB OUT SANITARY, VALVE STORM, INLET STORM, HEADWALL STORM, MANHOLE STORM, UNDERGROUND STORM, ROOF DRAIN STORM, CLEAN-OUT MINOR CONTOUR MAJOR CONTOUR SPOT ELEVATION VEGETATION, SHRUB VEGETATION, STUMP
	© D D D D D D D D D D D D D D D D D D D	SANITARY, STUB OUT SANITARY, VALVE STORM, INLET STORM, HEADWALL STORM, MANHOLE STORM, UNDERGROUND STORM, ROOF DRAIN STORM, CLEAN-OUT MINOR CONTOUR MAJOR CONTOUR SPOT ELEVATION VEGETATION, SHRUB VEGETATION, STUMP VEGETATION, DECIDUOUS
	D D D D D D D D D D D D D D D D D D D	SANITARY, STUB OUT SANITARY, VALVE STORM, INLET STORM, HEADWALL STORM, MANHOLE STORM, UNDERGROUND STORM, ROOF DRAIN STORM, CLEAN-OUT MINOR CONTOUR MAJOR CONTOUR SPOT ELEVATION VEGETATION, SHRUB VEGETATION, STUMP VEGETATION, DECIDUOUS VEGETATION, CONIFEROUS
	D D D D D D D D D D D D D D D D D D D	SANITARY, STUB OUT SANITARY, VALVE STORM, INLET STORM, HEADWALL STORM, MANHOLE STORM, UNDERGROUND STORM, ROOF DRAIN STORM, CLEAN-OUT MINOR CONTOUR MAJOR CONTOUR SPOT ELEVATION VEGETATION, SHRUB VEGETATION, STUMP VEGETATION, DECIDUOUS VEGETATION, CONIFEROUS VEGETATION, TREE LINE
	D D D D D D D D D D D D D D D D D D D	SANITARY, STUB OUT SANITARY, VALVE STORM, INLET STORM, HEADWALL STORM, MANHOLE STORM, UNDERGROUND STORM, ROOF DRAIN STORM, CLEAN-OUT MINOR CONTOUR MAJOR CONTOUR SPOT ELEVATION VEGETATION, SHRUB VEGETATION, STUMP VEGETATION, DECIDUOUS VEGETATION, CONIFEROUS
	D D D D D D D D D D D D D D D D D D D	SANITARY, STUB OUT SANITARY, VALVE STORM, INLET STORM, HEADWALL STORM, MANHOLE STORM, UNDERGROUND STORM, ROOF DRAIN STORM, CLEAN-OUT MINOR CONTOUR MAJOR CONTOUR SPOT ELEVATION VEGETATION, SHRUB VEGETATION, STUMP VEGETATION, DECIDUOUS VEGETATION, CONIFEROUS VEGETATION, TREE LINE WATER, FIRE HYDRANT
	□ D D D D D D D D D D D D D D D D D D D	SANITARY, STUB OUT SANITARY, VALVE STORM, INLET STORM, HEADWALL STORM, MANHOLE STORM, UNDERGROUND STORM, ROOF DRAIN STORM, CLEAN-OUT MINOR CONTOUR MAJOR CONTOUR SPOT ELEVATION VEGETATION, SHRUB VEGETATION, STUMP VEGETATION, DECIDUOUS VEGETATION, TREE LINE WATER, FIRE HYDRANT WATER, MANHOLE WATER, STUB OUT
		SANITARY, STUB OUT SANITARY, VALVE STORM, INLET STORM, HEADWALL STORM, MANHOLE STORM, UNDERGROUND STORM, ROOF DRAIN STORM, CLEAN-OUT MINOR CONTOUR MAJOR CONTOUR SPOT ELEVATION VEGETATION, SHRUB VEGETATION, STUMP VEGETATION, DECIDUOUS VEGETATION, TREE LINE WATER, FIRE HYDRANT WATER, MANHOLE WATER, METER WATER, STUB OUT WATER, UNDERGROUND
		SANITARY, STUB OUT SANITARY, VALVE STORM, INLET STORM, HEADWALL STORM, MANHOLE STORM, UNDERGROUND STORM, ROOF DRAIN STORM, CLEAN-OUT MINOR CONTOUR MAJOR CONTOUR SPOT ELEVATION VEGETATION, SHRUB VEGETATION, STUMP VEGETATION, DECIDUOUS VEGETATION, TREE LINE WATER, FIRE HYDRANT WATER, MANHOLE WATER, STUB OUT
		SANITARY, STUB OUT SANITARY, VALVE STORM, INLET STORM, HEADWALL STORM, MANHOLE STORM, UNDERGROUND STORM, ROOF DRAIN STORM, CLEAN-OUT MINOR CONTOUR MAJOR CONTOUR SPOT ELEVATION VEGETATION, SHRUB VEGETATION, STUMP VEGETATION, CONIFEROUS VEGETATION, TREE LINE WATER, FIRE HYDRANT WATER, MANHOLE WATER, STUB OUT WATER, UNDERGROUND WATER, UNDERGROUND FIRE
		SANITARY, STUB OUT SANITARY, VALVE STORM, INLET STORM, HEADWALL STORM, MANHOLE STORM, UNDERGROUND STORM, ROOF DRAIN STORM, CLEAN-OUT MINOR CONTOUR MAJOR CONTOUR SPOT ELEVATION VEGETATION, SHRUB VEGETATION, STUMP VEGETATION, CONIFEROUS VEGETATION, TREE LINE WATER, FIRE HYDRANT WATER, MANHOLE WATER, METER WATER, UNDERGROUND WATER, UNDERGROUND FIRE WATER, VALVE
		SANITARY, STUB OUT SANITARY, VALVE STORM, INLET STORM, HEADWALL STORM, MANHOLE STORM, UNDERGROUND STORM, ROOF DRAIN STORM, CLEAN-OUT MINOR CONTOUR MAJOR CONTOUR SPOT ELEVATION VEGETATION, SHRUB VEGETATION, STUMP VEGETATION, CONIFEROUS VEGETATION, TREE LINE WATER, FIRE HYDRANT WATER, MANHOLE WATER, METER WATER, UNDERGROUND WATER, UNDERGROUND WATER, VALVE WETLAND WETLAND BUFFER ROAD ASPHALT - TO BE MILLED
	□ D D D D D D D D D D D D D D D D D D D	SANITARY, STUB OUT SANITARY, VALVE STORM, INLET STORM, HEADWALL STORM, MANHOLE STORM, UNDERGROUND STORM, ROOF DRAIN STORM, CLEAN-OUT MINOR CONTOUR MAJOR CONTOUR SPOT ELEVATION VEGETATION, SHRUB VEGETATION, SHRUB VEGETATION, CONIFEROUS VEGETATION, TREE LINE WATER, FIRE HYDRANT WATER, MANHOLE WATER, METER WATER, STUB OUT WATER, UNDERGROUND WATER, UNDERGROUND FIRE WATER, VALVE WETLAND WETLAND BUFFER ROAD ASPHALT - TO BE MILLED AND OVERLAYED
	□ D D D D D D D D D D D D D D D D D D D	SANITARY, STUB OUT SANITARY, VALVE STORM, INLET STORM, HEADWALL STORM, MANHOLE STORM, UNDERGROUND STORM, ROOF DRAIN STORM, CLEAN-OUT MINOR CONTOUR MAJOR CONTOUR SPOT ELEVATION VEGETATION, SHRUB VEGETATION, SHRUB VEGETATION, CONIFEROUS VEGETATION, TREE LINE WATER, FIRE HYDRANT WATER, MANHOLE WATER, METER WATER, STUB OUT WATER, UNDERGROUND WATER, UNDERGROUND FIRE WATER, VALVE WETLAND WETLAND WETLAND BUFFER ROAD ASPHALT - TO BE MILLED AND OVERLAYED ROAD ASPHALT - TO BE REMON
	□ D D D D D D D D D D D D D D D D D D D	SANITARY, STUB OUT SANITARY, VALVE STORM, INLET STORM, HEADWALL STORM, MANHOLE STORM, UNDERGROUND STORM, ROOF DRAIN STORM, CLEAN-OUT MINOR CONTOUR MAJOR CONTOUR SPOT ELEVATION VEGETATION, SHRUB VEGETATION, STUMP VEGETATION, CONIFEROUS VEGETATION, TREE LINE WATER, FIRE HYDRANT WATER, MANHOLE WATER, METER WATER, STUB OUT WATER, UNDERGROUND WATER, UNDERGROUND FIRE WATER, VALVE WETLAND WETLAND BUFFER ROAD ASPHALT - TO BE MILLED AND OVERLAYED
	□ D D D D D D D D D D D D D D D D D D D	SANITARY, STUB OUT SANITARY, VALVE STORM, INLET STORM, HEADWALL STORM, MANHOLE STORM, UNDERGROUND STORM, ROOF DRAIN STORM, CLEAN-OUT MINOR CONTOUR MAJOR CONTOUR SPOT ELEVATION VEGETATION, SHRUB VEGETATION, STUMP VEGETATION, CONIFEROUS VEGETATION, TREE LINE WATER, FIRE HYDRANT WATER, MANHOLE WATER, METER WATER, UNDERGROUND WATER, UNDERGROUND FIRE WATER, VALVE WETLAND WETLAND WETLAND BUFFER ROAD ASPHALT - TO BE MILLED AND OVERLAYED ROAD ASPHALT - TO BE REMON

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ARCHITECT

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Doylestown, PA 18901
v 877-647-2110
https://www.lerchbates.com/

SKETCH PLAN NOT FOR CONSTRUCTION

DATE: DESCRIPTION:

 LU PROJECT
 DIGSX25001

 DA PROJECT
 2512

 SCALE:
 1"=20'

 FORMAT:
 30" X 42"

 DRAWN:
 1005

 CHECKED:
 TJS

 DATE:
 2025-09-10

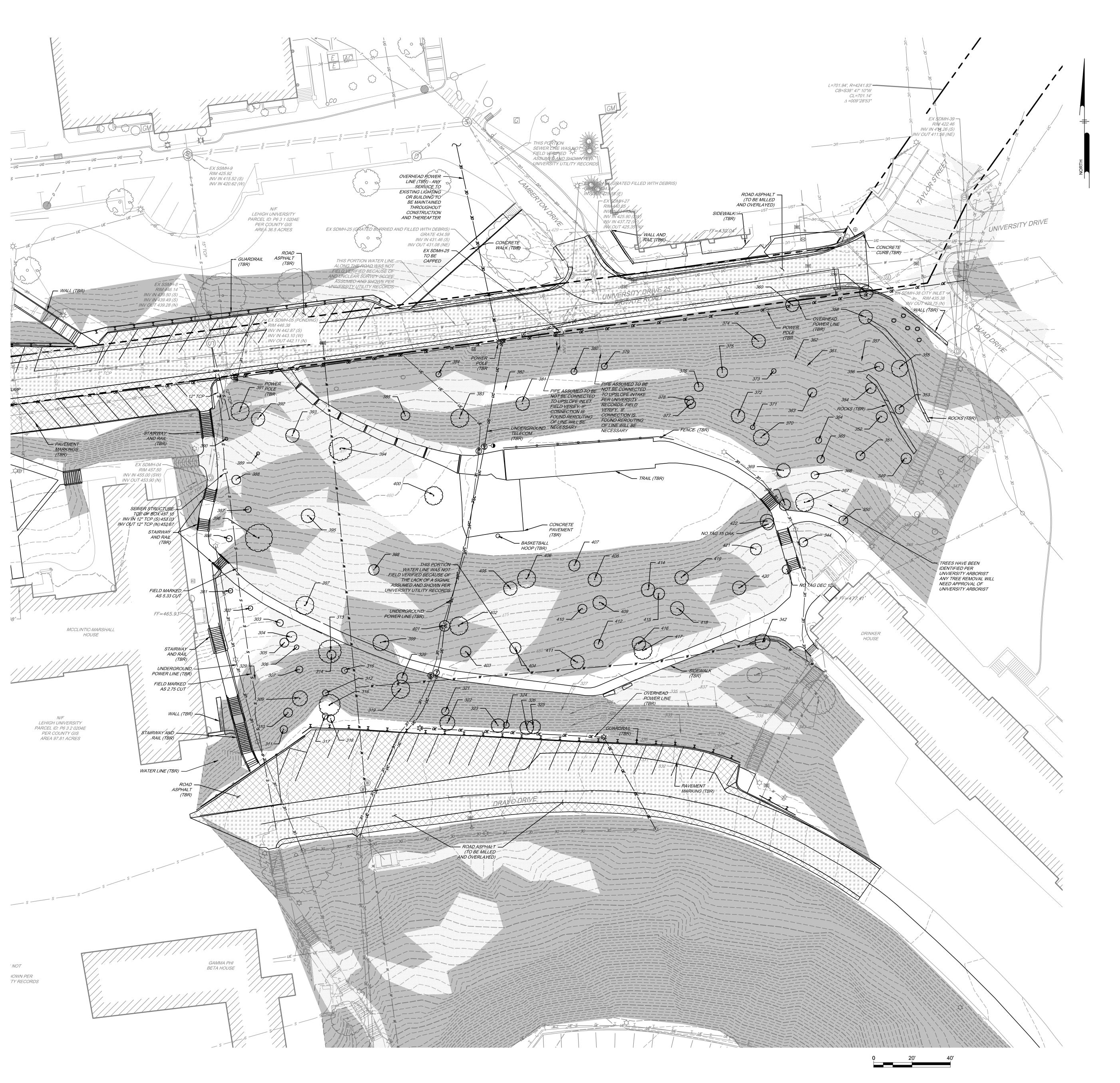
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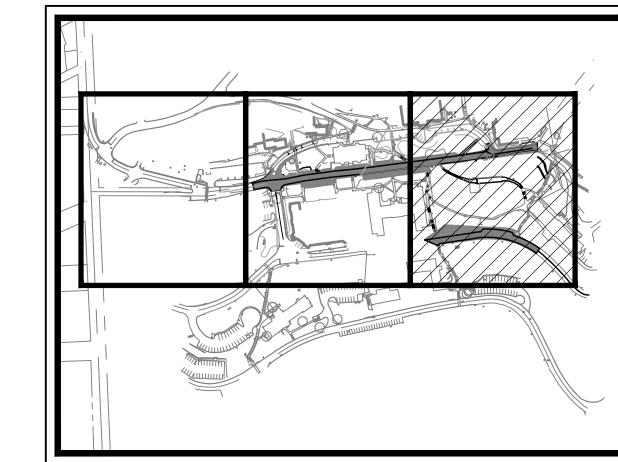
EXISTING
CONDITIONS AND
DEMOLITION PLAN

SHEET NUMBER:

CS0202

SHEET 5 OF 18
PROJECT PHASE:





CURB DEPRESSION CORRECT OF PAVELENT CORRECT		VICTIN	IG		EGE		DESCRIPTION
CURB DEPRESSION EDGE OF PAVEMENT EDGE OF PAVEMENT EDGE OF GRAVEL EASEMENT FINCE I I I I GUIDE RUIL HANDIGAP PARKING NATURAL GAS, MAFER POWER, GAS, STUB OUT POWER, LIGHT POWER, LIGHT POWER, LIGHT POWER, MAFER POWER, SPOT LIGHT POWER, RATER POWER, PAPEL BOX POWER, WETER POWER, SPOT LIGHT POWER, THANSFORMER POWER, TRANSFORMER POWER, TRANSFORMER POWER, THANSFORMER POWER, TANSFORMER POWER, THANSFORMER POWER, THANSFORMER POWER, TRANSFORMER POWER, TRANSFORMER POWER, TOTAL THANSFORMER POWER, THANSFORMER POWER, STUB OUT POWER, THANSFORMER POWER, STUB OUT SANITARY, FORCE MAIN MARK SANITARY, FORCE MAIN MARK POWER, MARINALLE SOIL BOUNDARY SANITARY, FORCE MAIN MARK POWER, MARINALLE STORM, NAMIOLE SANITARY, FORCE MAIN MARK SANITARY, FORCE MAIN MARK POWER, MARINALLE STORM, NAMIOLE STORM, NOGO PRAIN STORM, COORDER TOTAL MARK DECEDIOUS WATER, MARHOLE WATER, MARHO		XIO I IIV			- IXLIVII	OVED	
EDGE OF PAVEMENT EDGE OF GRAVEL EASEMENT FENCE FLOODPLAIN GUIDE RAIL HANDICAP PARKING NATURAL GAS, MAFER NATURAL GAS, MAFER NATURAL GAS, MAFER NATURAL GAS, MAFER NATURAL GAS, SURFER NATURAL GAS, UNDERGROUN POWER, CUTY WINE POWER, CUTY POWER, CUTY POWER, CUTY POWER, CUTY POWER, CUTY POWER, WINTON BOX POWER, WINTON BOX POWER, WINTON BOX POWER, WINTON BOX POWER, CUTY POWER, WINTON BOX POWER, WINTON POWER, WITHOUT							
EDGE OF GRAVEL EASEMENT EASEMENT FINCE F							
EASEMENT FENCE FELOODPLAIN GUIDE RAIL ANDICAP PARKING NATURAL GAS, METER NATURAL GAS, MANHOLE NATURAL GAS, MANHOLE NATURAL GAS, WERTER NATURAL GAS, SUPERIEAD POWER, GUY POUE POWER, GUY POUE POWER, GUY POUE POWER, GUY POUE POWER, SIPINOTION BOX POWER, SUPINOTION BOX POWER, SUPINOTION BOX POWER, MANHOLE POWER, MANHOLE POWER, MANHOLE POWER, MANHOLE POWER, FAMEL BOX POWER, SUB OUT POWER, SUB OUT POWER, SUB OUT POWER, TRANSFORMER POWER, VILITITY POLE PROPERTY, LINE LEGAR RIGHT-OF-WAY CORNER FOUND MISC. CORNER FOUND SITE, POST SITE, TRAFFIC SIGN SOIL LABEL SONITARY, CLEAN-OUT SANITARY, CLEAN-OUT SANITARY, FORCE WAIN W SANITARY, CLEAN-OUT SANITARY, CLEAN-OUT SANITARY, FORCE WAIN W SANITARY, CLEAN-OUT SANITARY, FORCE WAIN MAY SANITARY, FORCE WAIN MAY SANITARY, FORCE WAIN MAY SANITARY, CLEAN-OUT SANITARY, FORCE WAIN MAY SANITARY, SUB-OUT SOME SOUND WAIN UNDERGROUND STORM, HEADWALL ST							
FLOODPLAIN GUIDE RAIL HANDICAP PARKING NATURAL GAS, METER NATURAL GAS, MANHOLE NATURAL GAS, STUB OUT POWER, GUY WIRE POWER, SPOT LIGHT POWER, STORE OUT POWER, STANSFORMER POWER, UNDERGROUND POWER, TRANSFORMER POWER, UNDERGROUND POWER, UNDERGROUND POWER, UNDERGROUND POWER, UNDERGROUND POWER, WAS CONNER FOUND CONCRETE MONUMENT FOU SITE, POST SITE, TRAFFIC SIGN SOIL LABEL SANITARY, FORCE BAIN MAI SANITARY, STUB OUT SANITARY, VALVE STORM, NADERGROUND NEW SANITARY, VALVE STORM, NADERGROUND NEW SANITARY, STUB OUT SANITARY, VALVE STORM, NADERGROUND NEW SANITARY, STUB OUT SANITARY, VALVE STORM, MANHOLE STORM, MANHOLE STORM, MANHOLE STORM, MANHOLE STORM, MADERGROUND NEW SANITARY, STUB OUT SANITARY, VALVE STORM, MANHOLE WATER, STUB OUT WATER, MANHOLE WATER, STUB OUT WATER, MANHOLE WATER, MATER, STUB OUT WATER, MATER, ELINE WATER, MATER, LINE WATER, LINE WATER, LINE WATER, MATER, LINE WATER, LINE WATER WATER, LINE WA							
J I J J J J GUIDE RAIL ANDICAP PARRING NATURAL GAS, MANHOLE NATURAL GAS, SUB BOUT NATURAL GAS, MANHOLE NA	×-		-×	×-		-×	- FENCE
SOLIC PARKING NATURAL GAS, MATER NATURAL GAS, MATER NATURAL GAS, OVERHEAD NATURAL GAS, STUB OUT POWER, SPOT LIGHT POWER, MANHOLE POWER, MANHOLE POWER, MANHOLE POWER, MANHOLE POWER, MANHOLE POWER, TRANSPORMER POWER, TRANSPORMER POWER, TRANSPORMER POWER, UTILITY POLE POWER, FOUND NISC, CORNER FOUND CONCRETE MONUMENT FOU BUILDING SITE, POST SITE, TRAFFIC SIGN SOIL ASSEL SANITARY, FORCE STUB OUT SANITARY, STUB OUT SANITA							- FLOODPLAIN
INATURAL GAS, MATERAL INATURAL GAS, STUB OUT INATURAL CAS, STUB OUT INATURA	I	I	I	I	I	I	- GUIDE RAIL
Signature (Sas, Manhole (Sas, Manhole (Sas, Manhole (Sas, Manhole (Sas, Overhead (Sas, Sub out Natural Cas, Sub o		0,0					
## OF POWER		_					
NATURAL GAS, VALVE NOWER, GUT WIRE POWER, CUT WIRE POWER, CUT WIRE POWER, CUT WIRE POWER, LIGHT POWER, MANHOLE POWER, MANHOLE POWER, MANHOLE POWER, PANEL BOX POWER, STUB OUT POWER, MANHOLE LEGAL RIGHT-OF-WAY CORNER FOUND NISC, CORNER FOUND CONCRETE MONUMENT FOL SITE, POST THE TOST THE TOST STIE, TRAFFIC SIGN SOIL LABEL SANITARY, CEASE-OUT SANITARY, FORCE MAIN MANHOLE SOIL LABEL SANITARY, FORCE MAIN MANHOLE SANITARY, FORCE STUB OUT SANITARY, VALVE STORM, MANHOLE STORM, MINET STORM,	OG -		- OG	og-		- OG	- NATURAL GAS, OVERHEAD
POWER, GUY POLE POWER, UNIVERIE POWER, UNIVERIE POWER, LIGHT POWER, MANHOLE POWER, MANHOLE POWER, MANHOLE POWER, POWER, POWER, DEATH AND POWER, MANHOLE POWER, POWE							
POWER, JUNCTION BOX POWER, LIGHT POWER, SPOT LIGHT POWER, SPOT LIGHT POWER, STUB OUT POWER, UTLITY POLE PROPERTY, LINE LEGAL RIGHT-OF-WAY CORNER FOUND SITE, POST SITE, TRAFFIC SIGN SOIL BOUNDARY SITE, POST SITE, TRAFFIC SIGN SOIL BOUNDARY SANITARY, FORCE MAIN SANITARY, FORCE MAIN SANITARY, FORCE MAIN NAMI SANITARY, FORCE STUB OUT SANITARY, STUB OUT SANITARY, STUB OUT STORM, MASHOLE STORM, LILET STORM, MASHOLE STORM, LILET STORM, MASHOLE STORM, MA	UG -	-(1)	- UG	UG-	-0	- UG	 NATURAL GAS, UNDERGROUP POWER, GUY POLE
POWER, LIGHT POWER, SPOT LIGHT POWER, MANHOLE POWER, METER POWER, STANE BOX POWER, UNDERGROUND POWER, UNDERGROUND POWER, UNDERGROUND POWER, UNDERGROUND POWER, UNDERGROUND STANE, CORNER FOUND CONCRETE MONUMENT FOL BUILDING SITE, POST STE, TRAFFIC SIGN SOIL LABEL SANITARY, FORCE STAIN SANITARY, FORCE MAIN SANITARY, FORCE STAIN POWER STANE		((—		POWER, GUY WIRE
E POWER, MANHOLE OF OF OF OF OWER AND POWER, OVERHEAD POWER, METER POWER, PANEL BOX POWER, STUB OUT POWER, TRANSFORMER POWER, UNLE POWER, UNDERGROUND POWER, UTILITY POLE POWER, UTILITY POWER,							
E POWER, MANHOLE OF OF OF OF OF OF OWER, MATER POWER, PANEL BOX POWER, TRANSFORMER POWER, UNDERGROUND POWER, MANHOLE POWER, PANEL BOX POW		Q /F			_		
## OFF OFF OFF OFF OFF OFF OFF OFF OFF O		F					
## POWER, METER ## POWER, PANEL BOX ## POWER, TRANSFORMER ## POWER, TRANSFORMER ## POWER, UND OUT ## POWER, UNDERGROUND ## POWER, UNDERGROUND ## POWER, UNIDERGROUND ## POWER, UNIDERGROUND ## POWER, UNIDERGROUND ## CORNER FOUND ## CONCRETE MONUMENT FOLE ## BUILDING ## SITE, POST ## SOIL BOUNDARY **SOIL BABEL **SOIL BABEL **SOIL BOUNDARY **SOIL BABEL **SOIL BAB			- OF	OF =		- OF	
POWER, STUB OUT POWER, TRANSFORMER POWER, UNDERGROUND POWER, UNDERGROUND POWER, UNILITY POLE PROPERTY, LINE LEGAL RIGHT-OF-WAY CORNER FOUND CONCRETE MONUMENT FOL BUILDING SITE, POST SITE, TRAFFIC SIGN SOIL BOUNDARY SOIL LABEL SANITARY, CLEAN-OUT SANITARY, FORCE MAIN MAI W SANITARY, STUB OUT SANITARY, STUB OUT SANITARY, VINDERGROUND STORM, INLET STORM, HEADWALL STORM, HEADWALL STORM, HEADWALL STORM, HEADWALL STORM, NOC FORAIN STORM, CLEAN-OUT MINOR CONTOUR MAJOR CONTOUR MAJOR CONTOUR MAJOR CONTOUR MAJOR CONTOUR W W W W W W W W W W W W W W W W W W W	— UE =	3	JL	— <i>→ ∪</i> E =	③	JL	·
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POWER, UNDERGROUND POWER, UNDERGROUND POWER, UNILITY POLE PROPERTY, LINE LEGAL RIGHT-OF-WAY CORNER FOUND MISC. CORNER FOUND CONCRETE MONUMENT FOL BUILDING SITE, POST SITE, TRAFFIC SIGN SOIL BOUNDARY SOIL LABEL SANITARY, CLEAN-OUT SANITARY, FORCE MAIN MAY SANITARY, FORCE MAIN MAY SANITARY, FORCE MAIN MAY SANITARY, FORCE STUB OUT SANITARY, VALVE STORM, UNDERGROUND STORM, UNDERGROUND STORM, CLEAN-OUT MINDERGROUND STORM, CLEAN-OUT MINDERGROUND STORM, UNDERGROUND STORM, MANHOLE STORM, UNDERGROUND STORM, CLEAN-OUT MINDERGROUND STORM, CLEAN-OUT MAJOR CONTOUR VEGETATION, STRUB VEGETATION, TREE LINE WATER, FIRE HYDRANT WATER, MAHHOLE WATER, METER WATER, STUB OUT WATER, MAHHOLE WATER, STUB OUT WATER, NUDERGROUND FIRE WATER, VALVE WETLAND WATER, VALVE WETLAND BUFFER ROAD ASPHALT - TO BE MILL AND OVERLAYED ROAD ASPHALT - TO BE REN PAVEMENT SAWCUT							
POWER, UTILITY POLE PROPERTY, LINE LEGAL RIGHT-OF-WAY CORNER FOUND CONCRETE MONUMENT FOL MISC. CORNER FOUND CONCRETE MONUMENT FOL BUILDING SITE, POST SITE, FRAFIC SIGN SOIL BOUNDARY SOIL LABEL SANITARY, CICEAN-OUT SANITARY, FORCE MAIN SANITARY, FORCE MAIN MAI SANITARY, FORCE STUB OU SANITARY, HANHOLE SOIL SANITARY, WANHOLE SOIL SANITARY, UNDERGROUND SANITARY, STUB OUT SANITARY, VALVE STORM, INDERGROUND STORM, MANHOLE STORM, MANHOLE STORM, MOOF DRAIN STORM, CLEAN-OUT MINOR CONTOUR MAJOR			_ //F			- I IF	
LEGAL RIGHT-OF-WAY CORNER FOUND MISC. CORNER FOUND MISC. CORNER FOUND CONCRETE MONUMENT FOL BUILDING SITE, POST SITE, TRAFFIC SIGN SOIL ABBEL SANITARY, FORCE MAIN MAI SANITARY, FORCE MAIN MAI SANITARY, FORCE STUB OU SANITARY, HARNHOLE SSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSS	UE -	Q	JE			<u></u>	POWER, UTILITY POLE
CORNER FOUND MISC. CORNER FOUND CONCRETE MONUMENT FOL BUILDING SITE, POST SITE, TRAFFIC SIGN SOIL BOUNDARY SOIL LABEL SANITARY, FORCE MAIN MAI SANITARY, FORCE MAIN MAI SANITARY, FORCE MAIN MAI SANITARY, MAIN-LE SANITARY, MAIN-LE SANITARY, MAIN-LE SANITARY, VALVE STORM, INLET STORM, INLET STORM, INLET STORM, INLET STORM, MAIN-LE STORM, MAIN-LE STORM, MAIN-LE STORM, CLEAN-OUT MINOR CONTOUR MAJOR CONTOUR WEGETATION, STUMP VEGETATION, STUMP VEGETATION, STUMP VEGETATION, STUMP VEGETATION, CONFEROUS VEGETATION, STUMP VEGETATION, CONFEROUS WATER, FIRE HYDRANT WATER, STUB OUT WATER, UNDERGROUND FIRE WATER, STUB OUT WATER, STUB OUT WATER, UNDERGROUND FIRE WATER, STUB OUT WATER, UNDERGROUND FIRE WATER, STUB OUT WATER, STUB OUT WATER, UNDERGROUND FIRE WATER, STUB OUT WATE							
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BUILDING SITE, POST SITE, TRAFFIC SIGN SOIL BOUNDARY SOIL LABEL SANITARY, CLEAN-OUT SANITARY, FORCE MAIN MAI SANITARY, FORCE MAIN MAI SANITARY, FORCE STUB OU SANITARY, MANHOLE SOIL SANITARY, MANHOLE SOIL SANITARY, MANHOLE SANITARY, MANHOLE SANITARY, MANHOLE STORM, INLET STORM, INLET STORM, INLET STORM, HEADWALL STORM, HEADWALL STORM, ROOF DRAIN STORM, CLEAN-OUT MINOR CONTOUR MAJOR CONTOUR MAJOR CONTOUR MAJOR CONTOUR MAJOR CONTOUR MAJOR CONTOUR MAJOR CONTOUR WEGETATION, STUMP VEGETATION, STUMP VEGETATION, STUMP VEGETATION, CONFEROUS VEGETATION, CONFEROUS VEGETATION, TOEIDUOUS VEGETATION, TREE LINE WATER, MANHOLE WATER, METER WATER, MANHOLE WATER, METER WATER, STUB OUT WATER, METER WATER, VALVE WETLAND WETLAND BUFFER ROAD ASPHALT - TO BE MELL AND OVERLAYED WETLAND BUFFER ROAD ASPHALT - TO BE MELL AND OVERLAYED ROAD ASPHALT - TO BE MELL ROAD ROAD ASPHALT - TO BE MELL ROAD ROAD ROAD ROAD ROAD ROAD ROAD ROAD		\odot			\odot		MISC. CORNER FOUND
## SITE, POST SITE, TRAFFIC SIGN SOIL BOUNDARY SOIL LABEL SANITARY, CLEAN-OUT SANITARY, FORCE MAIN MAI SANITARY, FORCE MAIN MAI SANITARY, FORCE STUB OU SS S S S S S S S S S S S S S S S S S S	//////	0		77777	•	,,,,,,	CONCRETE MONUMENT FOU
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SOIL BOUNDARY WaC WaC SOIL LABEL SANITARY, CLEAN-OUT SANITARY, FORCE MAIN SANITARY, FORCE MAIN SANITARY, FORCE MAIN MAI SANITARY, FORCE STUB OU SANITARY, MANHOLE SANITARY, TUDERGROUND SANITARY, VALVE STORM, INLET STORM, HEADWALL STORM, HEADWALL STORM, NOOF DRAIN STORM, ROOF DRAIN STORM, ROOF DRAIN STORM, CLEAN-OUT MINOR CONTOUR A 100.5 A 100.5 A 100.5 A 100.5 A 100.5 A VEGETATION, SHRUB VEGETATION, SHRUB VEGETATION, SHRUB VEGETATION, SHRUB VEGETATION, DECIDUOUS VEGETATION, TERE LINE WATER, FIRE HYDRANT WATER, STUB OUT WATER, STUB OUT WATER, UNDERGROUND WATER, WALVE WATER, STUB OUT WATER, UNDERGROUND WATER, UNDERGROUND WATER, STUB OUT WATER, UNDERGROUND WATER, UNDERGROUND WATER, UNDERGROUND WATER, STUB OUT WATER, UNDERGROUND WATER,							
WaC WaC SOIL LABEL SANITARY, CLEAN-OUT SANITARY, FORCE MAIN MAI W SANITARY, FORCE MAIN MAI W SANITARY, FORCE STUB OU SANITARY, MANHOLE S S S S S S S S S S S S S S S S S S S					- - -		
SANITARY, FORCE MAIN MAIN SANITARY, FORCE MAIN MAIN SANITARY, FORCE STUB OUT SANITARY, MANHOLE SANITARY, MANHOLE SANITARY, MANHOLE SANITARY, VALVE STORM, INLET STORM, HEADWALL STORM, HEADWALL STORM, MOF DRAIN STORM, CLEAN-OUT MINOR CONTOUR MAJOR CONTOUR MAJOR CONTOUR MAJOR CONTOUR SPOT ELEVATION VEGETATION, SHRUB VEGETATION, STUBP VEGETATION, STUBP VEGETATION, CONFEROUS VEGETATION, TREE LINE WATER, FIRE HYDRANT WATER, FIRE HYDRANT WATER, STUB OUT WATER, STUB OUT WATER, STUB OUT WATER, VALVE WETLAND BUFFER ROAD ASPHALT - TO BE MILL AND OVERLAYED ROAD SPHALT - TO BE MILL AND OVERLAYED ROAD SPHALT - TO BE REM PAVEMENT SAWCUT		WaC			WaC		
(B) SANITARY, FORCE MAIN MAIN SANITARY, FORCE STUB OUT SANITARY, MANHOLE SANITARY, MANHOLE SANITARY, UNDERGROUND SANITARY, VALVE STORM, INLET STORM, HEADWALL STORM, HEADWALL STORM, HEADWALL STORM, HEADWALL STORM, CLEAN-OUT MINOR CONTOUR MAJOR CONTOUR MATER, FIRE HYDRANT MATER, FIRE HYDRANT MATER, MAHOLE MATER, FIRE HYDRANT MATER, MAHOLE MATER, TUBERGOUND MATER, STUB OUT MATER, TUBERGOUND MATER, STUB OUT MATER, VALVE METLAND BUFFER MATER, VALVE METLAND BUFFER ROAD ASPHALT - TO BE MILL AND OVERLAYED AND OVERLAYED ROAD ASPHALT - TO BE REM MAD OVERLAYED ROAD ASPHALT - TO BE REM PAVEMENT SAWCUT		\bigcirc			\circ		SANITARY, CLEAN-OUT
SANITARY, FORCE STUB OUT SANITARY, MANHOLE SSSSSSSSSSSSSSSSSANITARY, UNDERGROUND SANITARY, STUB OUT SANITARY, VALVE STORM, HEADWALL STORM, MANHOLE STORM, MOF DRAIN STORM, ROOF DRAIN STORM, CLEAN-OUT MINOR CONTOUR MAJOR CONTOUR WEGETATION, SHRUB VEGETATION, SHRUB VEGETATION, DECIDUOUS VEGETATION, CONIFEROUS VEGETATION, CONIFEROUS VEGETATION, TREE LINE WATER, MANHOLE WATER, MANHOLE WATER, FIRE HYDRANT WATER, UNDERGROUND WATER, UNDERGROUND WATER, VALVE WETLAND ROAD ASPHALT - TO BE MILL AND OVERLAYED ROAD ASPHALT - TO BE REM ROA	FM -		- FM	FM -		- FM	
S S S S S S S S S S SANITARY, LATERAL SANITARY, MANHOLE S S S S S S S SANITARY, UNDERGROUND SANITARY, STUB OUT SANITARY, VALVE STORM, INLET STORM, INLET STORM, MANHOLE STORM, MOOF DRAIN STORM, CLEAN-OUT MINOR CONTOUR MAJOR CONTOUR MAJOR CONTOUR MAJOR CONTOUR MAJOR CONTOUR MAJOR CONTOUR WEGETATION, SHRUB VEGETATION, SHRUB VEGETATION, SHRUB VEGETATION, SHRUB VEGETATION, CONIFEROUS WEGETATION, SHRUB WEGETATION, SHRUB WEGETATION, SHRUB WEGETATION, CONIFEROUS WATER, MANHOLE WATER, MANHOLE WATER, MANHOLE WATER, MANHOLE WATER, UNDERGROUND WATER, UNDERGROUND WATER, UNDERGROUND WATER, UNDERGROUND WATER, VALVE WETLAND WETLAND WETLAND WETLAND WETLAND WETLAND ROAD ASPHALT - TO BE MILL AND OVERLAYED ROAD ASPHALT - TO BE REM ROAD ASPHA		_			_		
S SANITARY, MANHOLE SANITARY, UNDERGROUND SANITARY, VALVE SANITARY, VALVE STORM, INLET STORM, INLET STORM, HEADWALL STORM, MANHOLE STORM, MODERGROUND STORM, ROOF DRAIN STORM, CLEAN-OUT MINOR CONTOUR MAJOR CONTOUR 700.5	s	Т	— s ——	s	'	— s —	
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SANITARY, VALVE STORM, INLET STORM, INLET STORM, HEADWALL STORM, MANHOLE STORM, MANHOLE STORM, ROOF DRAIN STORM, ROOF DRAIN STORM, CLEAN-OUT MINOR CONTOUR MAJOR CONTOUR VEGETATION, STUMP VEGETATION, STUMP VEGETATION, CONIFEROUS VEGETATION, TREE LINE WATER, FIRE HYDRANT WATER, MANHOLE WATER, MATER WATER, STUB OUT WATER, UNDERGROUND WATER, UNDERGROUND WATER, VALVE WETLAND WETLAND WETLAND WETLAND WETLAND WETLAND METLAND M	5 -		- 5	—— s -		- s ——	
STORM, INLET STORM, HEADWALL STORM, MANHOLE STORM, MOF DRAIN STORM, ROOF DRAIN STORM, CLEAN-OUT MINOR CONTOUR MAJOR CONTOUR MOS VEGETATION, SHRUB VEGETATION, DECIDUOUS VEGETATION, TREE LINE WATER, FIRE HYDRANT WATER, MANHOLE WATER, STUB OUT WATER, STUB OUT WATER, UNDERGROUND WATER, VALVE WETLAND WET					•		
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D D D D STORM, UNDERGROUND STORM, ROOF DRAIN STORM, ROOF DRAIN STORM, CLEAN-OUT MINOR CONTOUR MAJOR CONTOUR MATER, FIRE HYDRAIN MATER, FIRE HYDRAIN MATER, MANHOLE MATER, MANHOLE MATER, UNDERGROUND MATER, UNDERGROUND MATER, UNDERGROUND FIRE MATER, UNDERGROUND FIRE MATER, VALVE METLAND MATER, VALVE							
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VEGETATION, SHRUB VEGETATION, STUMP VEGETATION, DECIDUOUS VEGETATION, CONIFEROUS VEGETATION, TREE LINE WATER, FIRE HYDRANT WATER, MANHOLE WATER, MANHOLE WATER, STUB OUT WATER, UNDERGROUND WATER, VALVE WATER, VALVE WETLAND WETLAND WETLAND ROAD ASPHALT - TO BE MILL AND OVERLAYED ROAD ASPHALT - TO BE REM PAVEMENT SAWCUT		- 100 -			– 100 - 1	 :00.5	
VEGETATION, STUMP VEGETATION, DECIDUOUS VEGETATION, CONIFEROUS VEGETATION, TREE LINE VEGETATION, TREE LINE WATER, FIRE HYDRANT WATER, MANHOLE WATER, METER WATER, STUB OUT WATER, UNDERGROUND WATER, UNDERGROUND FIRE WATER, VALVE WATER, VALVE WETLAND WETLAND WETLAND WETLAND WETLAND ROAD ASPHALT - TO BE MILL AND OVERLAYED ROAD ASPHALT - TO BE REM PAVEMENT SAWCUT		<i>X ′</i> ⊕					
VEGETATION, CONIFEROUS VEGETATION, TREE LINE WATER, FIRE HYDRANT WATER, MANHOLE WATER, METER WATER, STUB OUT WATER, UNDERGROUND WATER, UNDERGROUND FIRE WATER, VALVE WATER, VALVE WETLAND WETLAND WETLAND BUFFER ROAD ASPHALT - TO BE MILL AND OVERLAYED ROAD ASPHALT - TO BE REM PAVEMENT SAWCUT		0					
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WATER, FIRE HYDRANT WATER, MANHOLE WATER, METER WATER, STUB OUT WATER, UNDERGROUND WATER, UNDERGROUND FIRE WATER, VALVE WATER, VALVE WETLAND WETLAND WETLAND BUFFER ROAD ASPHALT - TO BE MILLAND OVERLAYED ROAD ASPHALT - TO BE REM PAVEMENT SAWCUT					X		•
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WATER, METER WATER, STUB OUT WATER, UNDERGROUND WATER, UNDERGROUND FIRE WATER, VALVE WATER, VALVE WETLAND WETLAND WETLAND BUFFER ROAD ASPHALT - TO BE MILLE AND OVERLAYED ROAD ASPHALT - TO BE REM PAVEMENT SAWCUT		_					•
W		_			_		·
## F		•			•		WATER, STUB OUT
WATER, VALVE WETLAND WETLAND BUFFER ROAD ASPHALT - TO BE MILL AND OVERLAYED ROAD ASPHALT - TO BE REM PAVEMENT SAWCUT			- w				·
WETLAND WETLAND BUFFER ROAD ASPHALT - TO BE MILL AND OVERLAYED ROAD ASPHALT - TO BE REN PAVEMENT SAWCUT	w -		— F ———	—— F —		— F ——	,
ROAD ASPHALT - TO BE MILL AND OVERLAYED ROAD ASPHALT - TO BE REM ROAD ASPHALT - TO BE REM PAVEMENT SAWCUT	W - F						•
AND OVERLAYED ROAD ASPHALT - TO BE REM PAVEMENT SAWCUT	W - F						METI AND DUEFED
ROAD ASPHALT - TO BE REM	W -					- —	- WEILAND BUFFER
— — — — — PAVEMENT SAWCUT							ROAD ASPHALT - TO BE MILL
	W - F						ROAD ASPHALT - TO BE MILL AND OVERLAYED
SLOPES 15% TO 25%	W - F						ROAD ASPHALT - TO BE MILL AND OVERLAYED ROAD ASPHALT - TO BE REM
							ROAD ASPHALT - TO BE MILL AND OVERLAYED ROAD ASPHALT - TO BE REM

DIGSAU

Lehigh University
681 Taylor St.
Bethlehem PA 18015 v 610-758-4622

340 North 12th Street, Suite 421 Philadelphia, PA 19107 v 215.627.0808 www.digsau.com

CIVIL ENGINEER 81 Highland Ave, Suite 230 Bethlehem, PA 18017 https://www.pennoni.com/

v 855-754-3595 LANDSCAPE ARCHITECT 1262 Simon Blvd, B105 Easton, PA 18042 https://omnes.studio/ v 215-882-0500

STRUCTURAL ENGINEER
Keast & Hood
1635 Market St, #1705

Philadelphia, PA 19103 https://keasthood.com/ v 215-625-0099

623 26th Ave Rock Island, IL 61201 https://imegcorp.com/ v 215-569-0400

LIGHTING
Arup
77 Water Street New York, NY 10005

https://www.arup.com/en-us/ v 212-896-3000

1608 Walnut Street, Suite 1603 Philadelphia, PA 19103 v 267-773-8375 VERTICAL TRANSPORTATION
Lerch Bates
275 S Main St, Suite 2CC
Doylestown, PA 18901

v 877-647-2110

https://www.lerchbates.com/

SKETCH PLAN NOT FOR CONSTRUCTION

DATE: DESCRIPTION:

LU PROJECT DA PROJECT 2512 FORMAT: CHECKED:

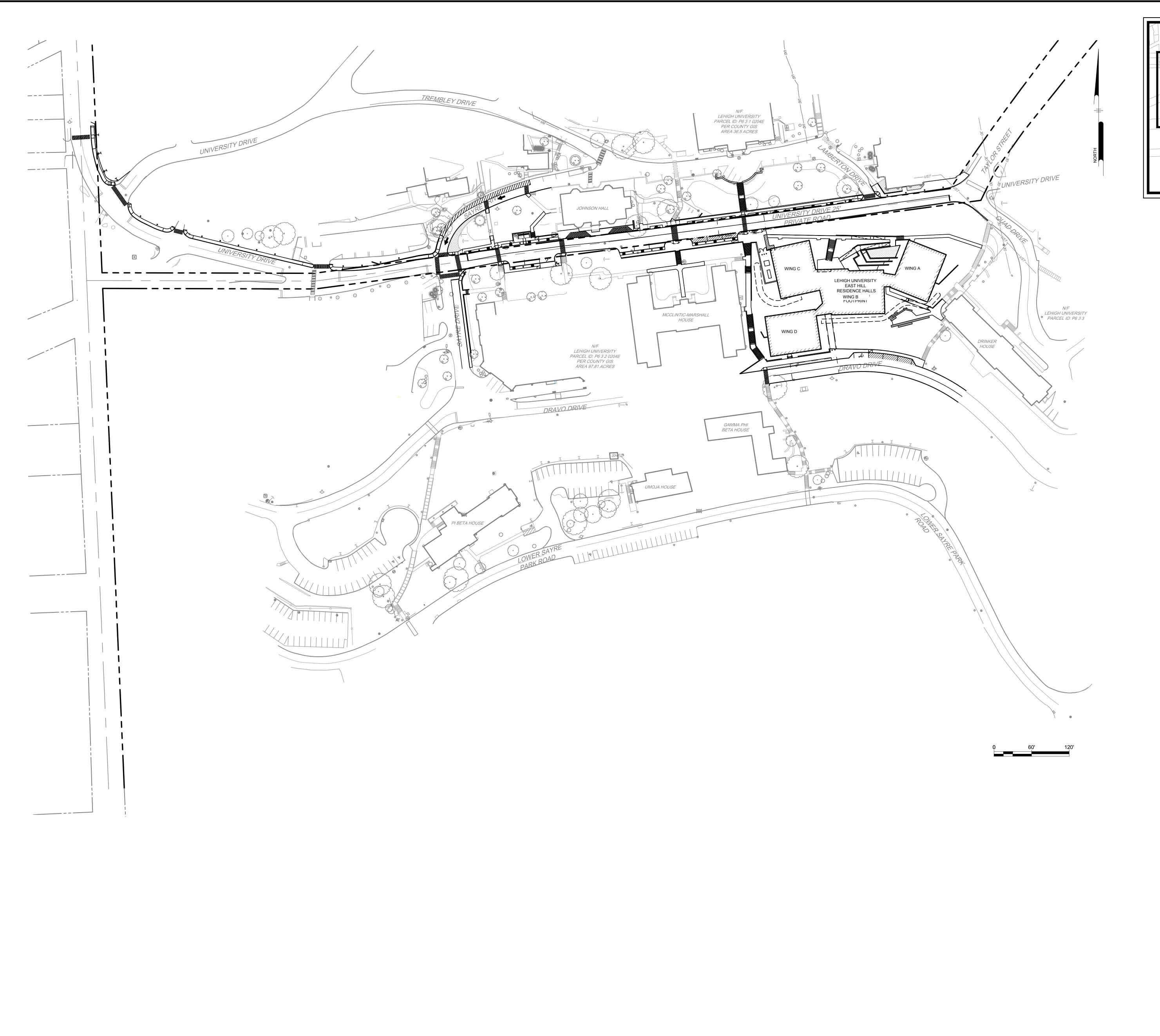
SHEET NAME:

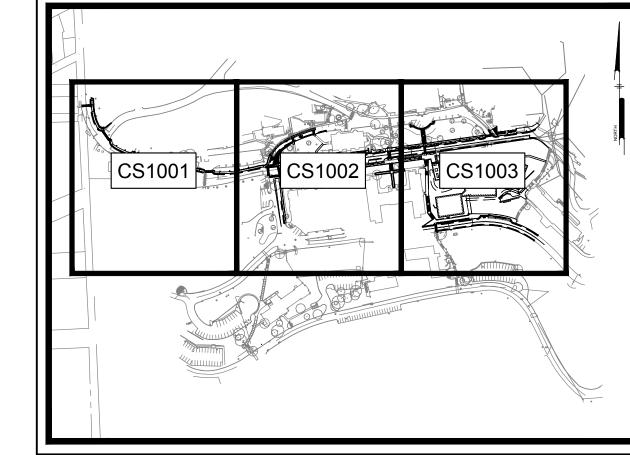
EXISTING CONDITIONS AND DEMOLITION PLAN

SHEET NUMBER:

CS0203

SHEET 6 OF 18 PROJECT PHASE:





	LEGEND	
EXISTING	PROPOSED	DESCRIPTION
		CURB
		CURB DEPRESSION
		EDGE OF PAVEMENT
		EDGE OF GRAVEL
		EASEMENT
xx	xx	FENCE
· · ·		FLOODPLAIN
<u> </u>	<u> </u>	GUIDE RAIL
Ě.	Ġ.	MARKING, HANDICAP PARKING
-(1)	-•	POWER, GUY POLE
(—	(—	POWER, GUY WIRE
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		LEGAL RIGHT-OF-WAY
		CORNER
Ô	$\odot$	MISC. CORNER
0	0	CONCRETE MONUMENT
0	0	SITE, BOLLARD
•	•	SITE, BORING LOCATION
		BUILDING
$\oplus$	$\oplus$	SITE, POST
<del>-</del>	0	SITE, TRAFFIC SIGN
		SOIL BOUNDARY
WaC		SOIL LABEL
· · ·		WETLAND
		WETLAND BUFFER
		FULL DEPTH ASPHALT
	" " " " " " " " " " " " " " " " " " "	ROAD ASPHALT - MILLED AND OVERLAYED
		PAVEMENT SAWCUT

### DIGSAU

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v 610-758-4622

v 610-758-4622

ARCHITECT
DIGSAU

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V 855-754-3595

LANDSCAPE ARCHITECT

Omnes

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STRUCTURAL ENGINEER
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Philadelphia, PA 19103

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VERTICAL TRANSPORTATION
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Doylestown, PA 18901
v 877-647-2110
https://www.lerchbates.com/

SKETCH PLAN NOT FOR CONSTRUCTION

DATE: DESCRIPTION:

 LU PROJECT
 DIGSX25001

 DA PROJECT
 2512

 SCALE:
 1"=60'

 FORMAT:
 30" X 42"

 DRAWN:
 1005

 CHECKED:
 TJS

 DATE:
 2025-09-10

SHEET NAME:

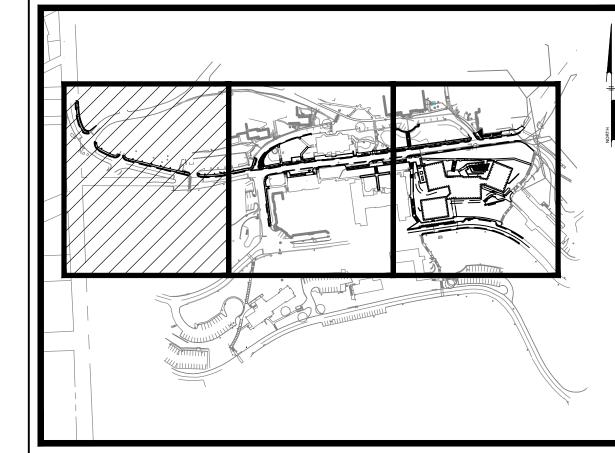
OVERALL SITE PLAN

SHEET NUMBER:

CS1000

SHEET 7 OF 18
PROJECT PHASE:





EXISTING	PROPOSED	DESCRIPTION
		CURB
		CURB DEPRESSION
		EDGE OF PAVEMENT
		EDGE OF GRAVEL
		EASEMENT
xx	xx	FENCE
· · ·		FLOODPLAIN
I I I	<u> </u>	GUIDE RAIL
Ŀ	Ġ.	MARKING, HANDICAP PARKING
-(1)	-0	POWER, GUY POLE
(—	(—	POWER, GUY WIRE
````	<u> </u>	POWER, UTILITY POLE PROPERTY, LINE
		LEGAL RIGHT-OF-WAY
		CORNER
\odot	\odot	MISC. CORNER
0	0	CONCRETE MONUMENT
0	0	SITE, BOLLARD
•	•	SITE, BORING LOCATION
		BUILDING
\oplus	\oplus	SITE, POST
-0-	-o-	SITE, TRAFFIC SIGN
		SOIL BOUNDARY
WaC		SOIL LABEL
		WETLAND
		WETLAND BUFFER
		FULL DEPTH ASPHALT
		ROAD ASPHALT - MILLED AND OVERLAYED
		PAVEMENT SAWCUT
		LANDSCAPE WALL (WALL HT. < 4
		RETAINING WALL (WALL HT. > 4')
		The Francisco Wille (Wille Fill Fill)

DIGSAU

OWNER
Lehigh University
681 Taylor St.
Bethlehem PA 18015
v 610-758-4622

ARCHITECT
DIGSAU
340 North 12th Street, Suite 4
Philadelphia. PA 19107

340 North 12th Street, Suite 421
Philadelphia, PA 19107
v 215.627.0808
www.digsau.com

CIVIL ENGINEER
Pennoni

81 Highland Ave, Suite 230
Bethlehem, PA 18017
https://www.pennoni.com/
v 855-754-3595

LANDSCAPE ARCHITECT
Omnes
1262 Simon Blvd, B105
Easton, PA 18042
https://omnes.studio/
v 215-882-0500

STRUCTURAL ENGINEER
Keast & Hood
1635 Market St, #1705
Philadelphia, PA 19103
https://keasthood.com/

https://keasthood.com/ v 215-625-0099 MEP/FP ENGINEER IMEG 623 26th Ave Rock Island, IL 61201 https://imegcorp.com/

https://imegcorp.com/ v 215-569-0400

LIGHTING
Arup
77 Water Street
New York, NY 10005
https://www.arup.com/en-us/ v 212-896-3000

ENVELOPE RWDI 1608 Walnut Street, Suite 1603 Philadelphia, PA 19103 v 267-773-8375

VERTICAL TRANSPORTATION
Lerch Bates
275 S Main St, Suite 2CC
Doylestown, PA 18901
v 877-647-2110
https://www.lerchbates.com/

SKETCH PLAN NOT FOR CONSTRUCTION

DATE: DESCRIPTION:

 LU PROJECT
 DIGSX25001

 DA PROJECT
 2512

 SCALE:
 ######

 FORMAT:
 30" X 42"

 DRAWN:
 1005

 CHECKED:
 TJS

 DATE:
 2025-09-10

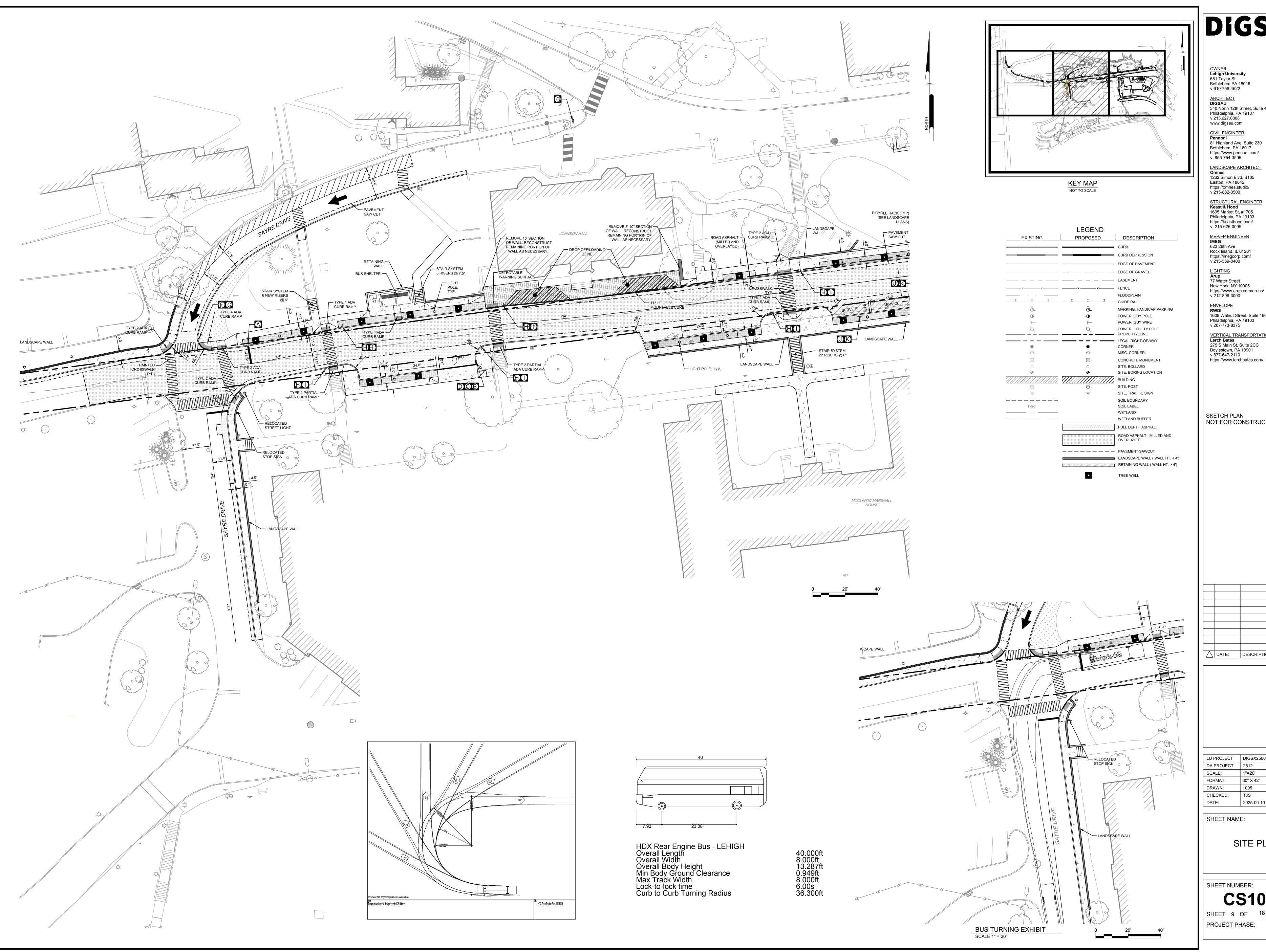
SHEET NAME:

##########

SHEET NUMBER:

CS1001

SHEET 8 OF 18
PROJECT PHASE:



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Lehigh University 681 Taylor St. Bethlehem PA 18015 v 610-758-4622

340 North 12th Street, Suite 421 Philadelphia, PA 19107

CIVIL ENGINEER 81 Highland Ave, Suite 230 Bethlehem, PA 18017 https://www.pennoni.com/ v 855-754-3595

LANDSCAPE ARCHITECT 1262 Simon Blvd, B105 Easton, PA 18042 https://omnes.studio/ v 215-882-0500

STRUCTURAL ENGINEER
Keast & Hood
1635 Market St, #1705 Philadelphia, PA 19103

https://keasthood.com/ v 215-625-0099 MEP/FP ENGINEER
IMEG
623 26th Ave

https://imegcorp.com/ v 215-569-0400 LIGHTING
Arup
77 Water Street New York, NY 10005

https://www.arup.com/en-us/ v 212-896-3000

1608 Walnut Street, Suite 1603 Philadelphia, PA 19103 v 267-773-8375 VERTICAL TRANSPORTATION
Lerch Bates
275 S Main St, Suite 2CC
Doylestown, PA 18901

NOT FOR CONSTRUCTION

DATE: DESCRIPTION:

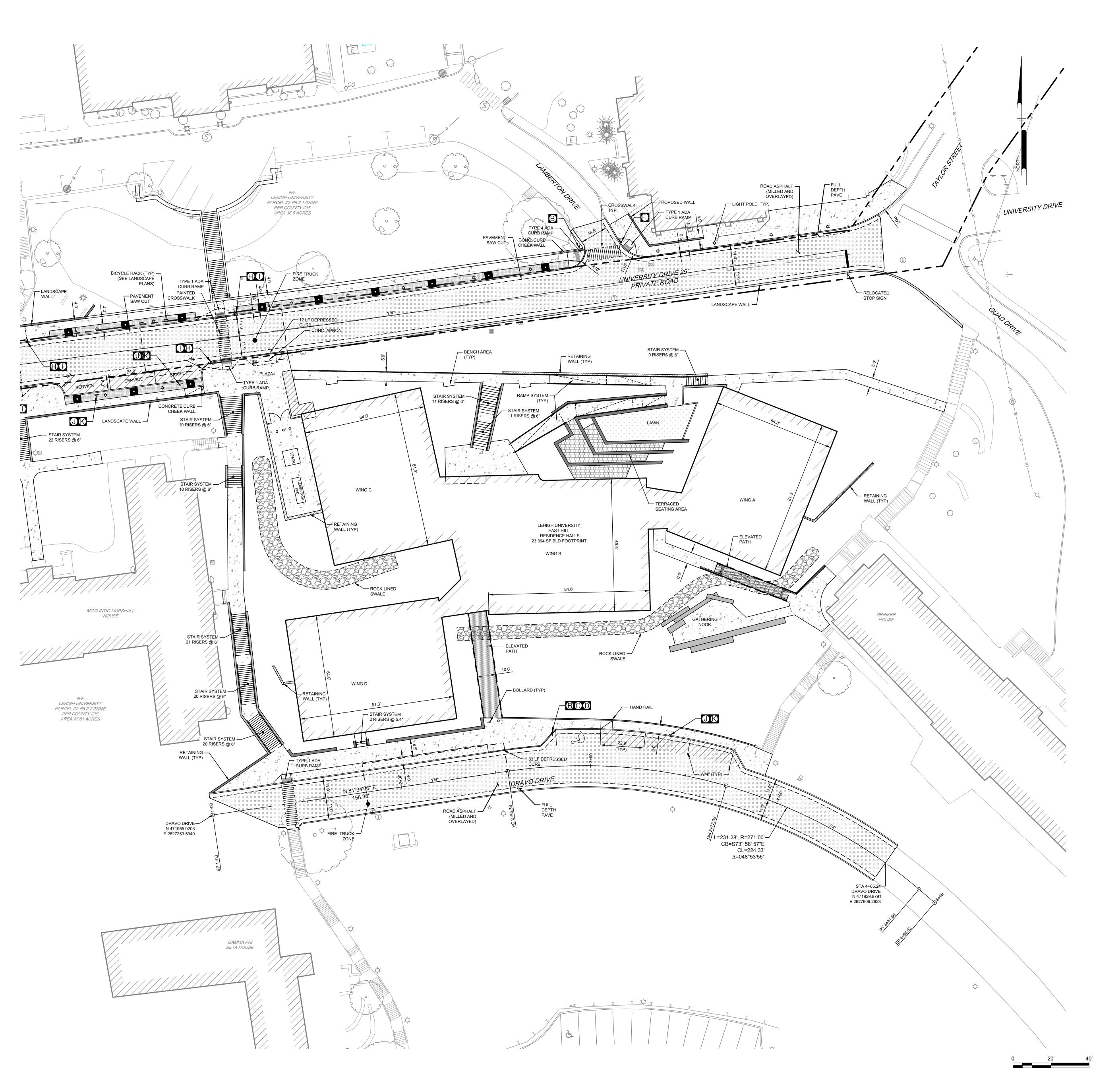
LU PROJECT DIGSX25001 DA PROJECT 2512 FORMAT: CHECKED:

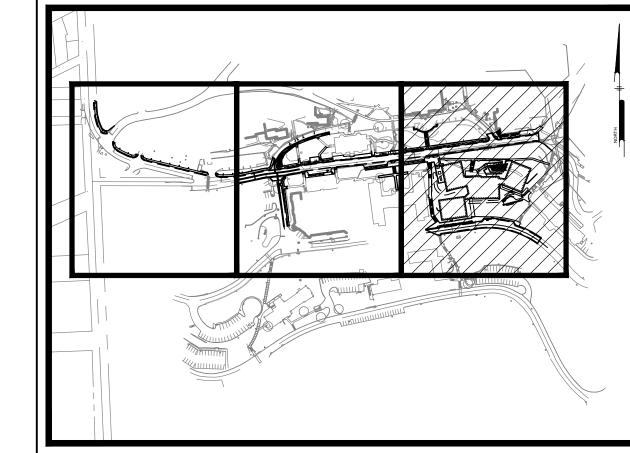
SHEET NAME:

SITE PLAN

SHEET NUMBER:

CS1002 SHEET 9 OF 18 PROJECT PHASE:





	LEGEND	
EXISTING	PROPOSED	DESCRIPTION
		CURB
		CURB DEPRESSION
		EDGE OF PAVEMENT
		EDGE OF GRAVEL
		EASEMENT
xx	xx	FENCE
		FLOODPLAIN
I I I	<u> </u>	GUIDE RAIL
Ë	Ě	MARKING, HANDICAP PARKING
-()	-3	POWER, GUY POLE
((—	POWER, GUY WIRE
		POWER, UTILITY POLE PROPERTY, LINE
		LEGAL RIGHT-OF-WAY
◎	● �	CORNER MISC. CORNER
0	• •	CONCRETE MONUMENT SITE, BOLLARD
•	€	SITE, BORING LOCATION
		BUILDING
()	(1777777777777777777777777777777777777	SITE, POST
0	0	SITE, TRAFFIC SIGN
		SOIL BOUNDARY
WaC		SOIL LABEL
		WETLAND
		WETLAND BUFFER
		FULL DEPTH ASPHALT
		ROAD ASPHALT - MILLED AND OVERLAYED
		PAVEMENT SAWCUT
		LANDSCAPE WALL (WALL HT. < 4
		RETAINING WALL (WALL HT. > 4")
		TREE WELL
		

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v 610-758-4622

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Easton, PA 18042
https://omnes.studio/
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MEP/FP ENGINEER

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Doylestown, PA 18901
v 877-647-2110
https://www.lerchbates.com/

SKETCH PLAN NOT FOR CONSTRUCTION

DATE: DESCRIPTION:

 LU PROJECT
 DIGSX25001

 DA PROJECT
 2512

 SCALE:
 1" = 20'

 FORMAT:
 30" X 42"

 DRAWN:
 1005

 CHECKED:
 TJS

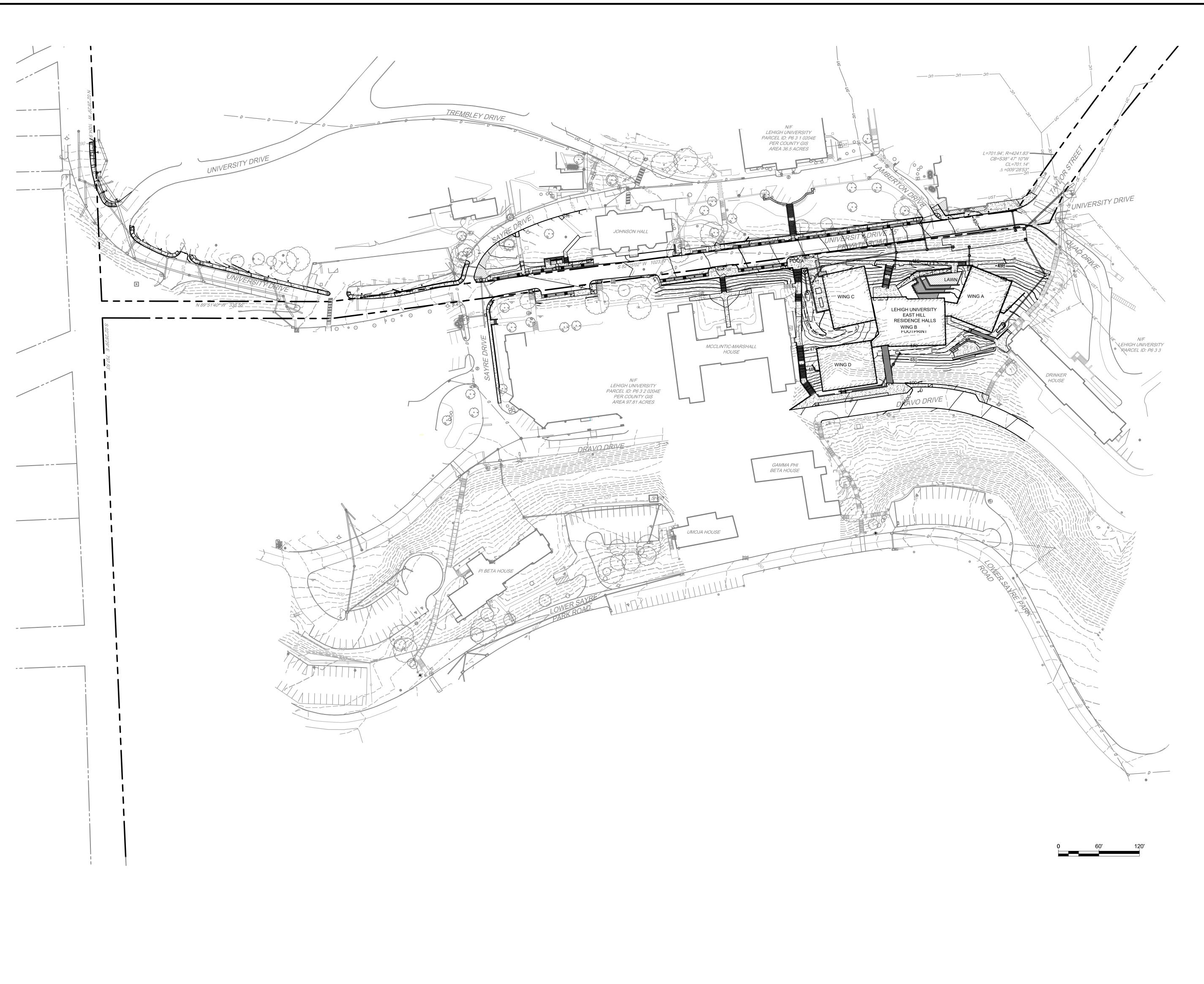
SHEET NAME:

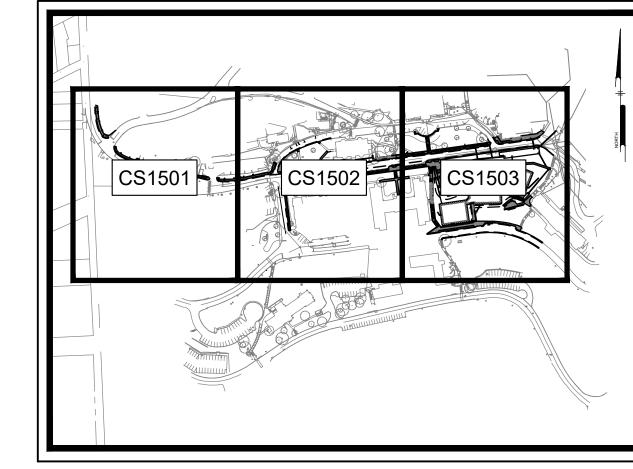
SITE PLAN

SHEET NUMBER:

CS1003

SHEET 10 OF 18
PROJECT PHASE:





KEY MAP NOT TO SCALE

EXISTING	PROPOSED	DESCRIPTION
		CURB
		CURB DEPRESSION
		EDGE OF PAVEMENT
		EDGE OF GRAVEL
		EASEMENT
xx	xx	FENCE
		FLOODPLAIN
I I I	<u> </u>	GUIDE RAIL
Ê	E	MARKING, HANDICAP PARKING
-0	-0	POWER, GUY POLE
(—	(POWER, GUY WIRE
Q	Q	POWER, UTILITY POLE
		PROPERTY, LINE
		LEGAL RIGHT-OF-WAY
		CORNER
\bigcirc	\odot	MISC. CORNER
0	0	CONCRETE MONUMENT
0	0	SITE, BOLLARD
•	•	SITE, BORING LOCATION
		BUILDING
\oplus	\oplus	SITE, POST
-	0	SITE, TRAFFIC SIGN
		SOIL BOUNDARY
WaC		SOIL LABEL
		STORM SEWER, INLET STORM SEWER, HEADWALL
		STORM SEWER, MANHOLE
		STORM SEWER, UNDERGROUND STORM SEWER, ROOF DRAIN
	D ©	
		STORM SEWER, CLEAN-OUT
	101	MINOR CONTOUR
	100 100 5	MAJOR CONTOUR
X 100.5	x 100.5	SPOT ELEVATION
··		WETLAND WETLAND BUFFER

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Philadelphia, PA 19103
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VERTICAL TRANSPORTATION
Lerch Bates
275 S Main St, Suite 2CC
Doylestown, PA 18901
v 877-647-2110
https://www.lerchbates.com/

SKETCH PLAN NOT FOR CONSTRUCTION

DATE: DESCRIPTION:

 LU PROJECT
 DIGSX25001

 DA PROJECT
 2512

 SCALE:
 1"=60'

 FORMAT:
 30" X 42"

 DRAWN:
 1005

 CHECKED:
 TJS

 DATE:
 2025-09-10

SHEET NAME:

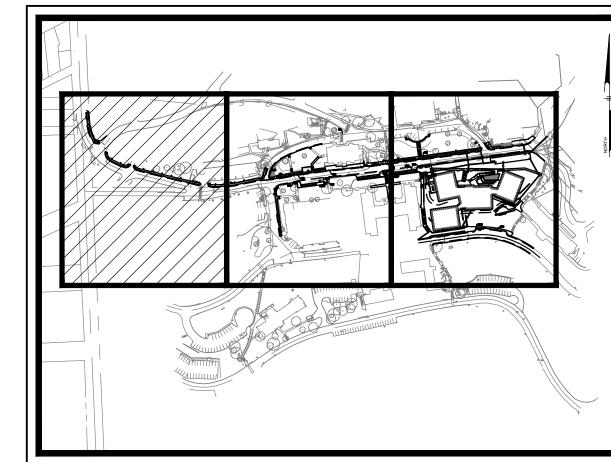
OVERALL GRADING AND DRAINAGE PLAN

SHEET NUMBER:

CS1500

SHEET 11 OF 18
PROJECT PHASE:





CURB CURB DEPRESSION EDGE OF PAVEMENT EDGE OF PAVEMENT EDGE OF GRAVEL EASEMENT FENCE FLOODPLAIN GUIDE RAIL MARKING, HANDICAP PARKIN POWER, GUY POLE POWER, GUY WIRE POWER, TILLITY POLE PROPERTY, LINE LEGAL RIGHT-OF-WAY CORNER MISC. CORNER MISC. CORNER MISC. CORNER SITE, BORING LOCATION BUILDING SITE, BOST SITE, POST SITE, TRAFFIC SIGN SOIL BOUNDARY SOIL LABEL STORM SEWER, INLET STORM SEWER, MANHOLE STORM SEWER, UNDERGROU STORM SEWER, UNDERGROU STORM SEWER, UNDERGROU STORM SEWER, CLEAN-OUT MINOR CONTOUR MAJOR CONTOUR METLAND	EXISTING	PROPOSED	DESCRIPTION
EDGE OF PAVEMENT EDGE OF GRAVEL EASEMENT FENCE FLOODPLAIN GUIDE RAIL MARKING, HANDICAP PARKIN POWER, GUY POLE POWER, GUY WIRE POWER, UTILITY POLE PROPERTY, LINE LEGAL RIGHT-OF-WAY CORNER MISC. CORNER CONCRETE MONUMENT SITE, BORING LOCATION BUILDING SITE, POST SITE, TRAFFIC SIGN SOIL BOUNDARY SOIL LABEL STORM SEWER, INLET STORM SEWER, INLET STORM SEWER, MANHOLE STORM SEWER, MANHOLE STORM SEWER, MANHOLE STORM SEWER, NANHOLE STORM SEWER, NANHOLE STORM SEWER, NOF DRAIN STORM SEWER, CLEAN-OUT MINOR CONTOUR MAJOR CO			CURB
EDGE OF GRAVEL EASEMENT FENCE FLOODPLAIN GUIDE RAIL MARKING, HANDICAP PARKIN POWER, GUY POLE POWER, GUY WIRE POWER, GUY WIRE POWER, GUY WIRE CORNER MISC. CORNER MISC. CORNER CONCRETE MONUMENT SITE, BORING LOCATION BUILDING SITE, BORING LOCATION BUILDING SITE, POST SITE, TRAFFIC SIGN SOIL ABELL STORM SEWER, INLET STORM SEWER, INLET STORM SEWER, MANHOLE STORM SEWER, MANHOLE STORM SEWER, MANHOLE STORM SEWER, NOOF DRAIN STORM SEWER, CLEAN-OUT MINOR CONTOUR MAJOR CONTOUR MERCAN MARKING, HANDICAP PROPERTY, LINE FLOODPIAN MARKING, HANDICAP POWER, GUY POLE FLOODPIAN MARKING, HANDICAP MARKING, HANDICAP MARKING, HANDICAP POWER, GUY POLE FLOODPIAN MARKING, HANDICAP POWER, GUY POLE FLOODPIAN MARKING, HANDICAP MARKIN			CURB DEPRESSION
EDGE OF GRAVEL EASEMENT FENCE FLOODPLAIN GUIDE RAIL GUIDE RAIL POWER, GUY POLE POWER, GUY POLE POWER, GUY WIRE POWER, UTILITY POLE PROPERTY, LINE CORNER MISC. CORNER MISC. CORNER CONCRETE MONUMENT SITE, BORING LOCATION BUILDING SITE, BORING LOCATION BUILDING SITE, POST SITE, TRAFFIC SIGN SOIL ABELL STORM SEWER, INLET STORM SEWER, INLET STORM SEWER, MANHOLE STORM SEWER, MANHOLE STORM SEWER, MANHOLE STORM SEWER, NOOF DRAIN STORM SEWER, CLEAN-OUT MINOR CONTOUR MAJOR CON		· 	EDGE OF PAVEMENT
EASEMENT FENCE FLOODPLAIN GUIDE RAIL MARKING, HANDICAP PARKIN POWER, GUY POLE POWER, GUY WIRE POWER, UTILITY POLE PROPERTY, LINE LEGAL RIGHT-OF-WAY CORNER MISC. CORNER CONCRETE MONUMENT SITE, BORING LOCATION BUILDING SITE, BORING LOCATION BUILDING SITE, POST SITE, TRAFFIC SIGN SOIL LABEL STORM SEWER, INLET STORM SEWER, INLET STORM SEWER, INLET STORM SEWER, MANHOLE STORM SEWER, WANHOLE STORM SEWER, ROOF DRAIN STORM SEWER, CLEAN-OUT MINOR CONTOUR MAJOR		. <u> </u>	
X X FENCE FLOODPLAIN GUIDE RAIL MARKING, HANDICAP PARKIN POWER, GUY POLE POWER, GUY WIRE POWER, UTILITY POLE PROPERTY, LINE LEGAL RIGHT-OF-WAY CORNER MISC. CORNER CONCRETE MONUMENT SITE, BORING LOCATION BUILDING SITE, BORING LOCATION BUILDING SITE, POST SITE, TRAFFIC SIGN SOIL BOUNDARY SOIL LABEL STORM SEWER, INLET STORM SEWER, INLET STORM SEWER, MANHOLE STORM SEWER, WADHOLE STORM SEWER, CLEAN-OUT MINOR CONTOUR MAJOR CONTOUR SPOT ELEVATION		·	
FLOODPLAIN GUIDE RAIL MARKING, HANDICAP PARKIN POWER, GUY POLE POWER, GUY WIRE PROPERTY, LINE LEGAL RIGHT-OF-WAY CORNER MISC. CORNER CONCRETE MONUMENT SITE, BOLLARD SITE, BOLLARD SITE, BORING LOCATION BUILDING SITE, POST SITE, TRAFFIC SIGN SOIL BOUNDARY SOIL LABEL STORM SEWER, INLET STORM SEWER, INLET STORM SEWER, MANHOLE STORM SEWER, UNDERGROU STORM SEWER, CLEAN-OUT MINOR CONTOUR MAJOR CONTOUR MAJOR CONTOUR MAJOR CONTOUR SPOT ELEVATION	xxx	xx	
I I I I GUIDE RAIL MARKING, HANDICAP PARKIN POWER, GUY POLE POWER, GUY WIRE POWER, UTILITY POLE PROPERTY, LINE LEGAL RIGHT-OF-WAY CORNER MISC. CORNER CONCRETE MONUMENT SITE, BOLLARD SITE, BORING LOCATION BUILDING SITE, POST SITE, TRAFFIC SIGN SOIL BOUNDARY SOIL LABEL STORM SEWER, INLET STORM SEWER, INLET STORM SEWER, HEADWALL STORM SEWER, UNDERGROU STORM SEWER, CLEAN-OUT STORM SEWER, CLEAN-OUT MINOR CONTOUR MAJOR CONTOUR MAJOR CONTOUR MAJOR CONTOUR SPOT ELEVATION		•	
POWER, GUY POLE POWER, GUY WIRE POWER, GUY WIRE POWER, UTILITY POLE PROPERTY, LINE LEGAL RIGHT-OF-WAY CORNER MISC. CORNER CONCRETE MONUMENT SITE, BOLLARD SITE, BORING LOCATION BUILDING SITE, POST SITE, TRAFFIC SIGN SOIL BOUNDARY SOIL LABEL STORM SEWER, INLET STORM SEWER, MANHOLE STORM SEWER, MANHOLE STORM SEWER, UNDERGROU STORM SEWER, CLEAN-OUT MINOR CONTOUR MAJOR CONTOUR MAJOR CONTOUR MAJOR CONTOUR MAJOR CONTOUR SPOT ELEVATION	I I I	<u> </u>	
POWER, GUY POLE POWER, GUY WIRE POWER, GUY WIRE POWER, UTILITY POLE PROPERTY, LINE LEGAL RIGHT-OF-WAY CORNER MISC. CORNER CONCRETE MONUMENT SITE, BOLLARD SITE, BORING LOCATION BUILDING SITE, POST SITE, TRAFFIC SIGN SOIL BOUNDARY SOIL LABEL STORM SEWER, INLET STORM SEWER, HEADWALL STORM SEWER, MANHOLE STORM SEWER, UNDERGROU STORM SEWER, CLEAN-OUT MINOR CONTOUR MAJOR CONTOUR MAJOR CONTOUR MAJOR CONTOUR SPOT ELEVATION	È	Æ	
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POWER, UTILITY POLE PROPERTY, LINE LEGAL RIGHT-OF-WAY CORNER MISC. CORNER CONCRETE MONUMENT SITE, BOLLARD SITE, BORING LOCATION BUILDING SITE, POST SITE, TRAFFIC SIGN SOIL BOUNDARY SOIL LABEL STORM SEWER, INLET STORM SEWER, HEADWALL STORM SEWER, UNDERGROU STORM SEWER, WANHOLE STORM SEWER, UNDERGROU STORM SEWER, ROOF DRAIN STORM SEWER, CLEAN-OUT STORM SEWER, CLEAN-OUT MINOR CONTOUR MAJOR CONTOUR SPOT ELEVATION	(—		
LEGAL RIGHT-OF-WAY CORNER MISC. CORNER CONCRETE MONUMENT SITE, BOLLARD SITE, BORING LOCATION BUILDING SITE, POST SITE, TRAFFIC SIGN SOIL BOUNDARY SOIL LABEL STORM SEWER, INLET STORM SEWER, HEADWALL STORM SEWER, MANHOLE STORM SEWER, WINDERGROU STORM SEWER, CLEAN-OUT STORM SEWER, CLEAN-OUT MINOR CONTOUR MAJOR CONTOUR X 100.5 SPOT ELEVATION	<u> </u>	<u> </u>	POWER, UTILITY POLE
MISC. CORNER CONCRETE MONUMENT SITE, BOLLARD SITE, BORING LOCATION BUILDING SITE, POST SITE, TRAFFIC SIGN SOIL BOUNDARY SOIL LABEL STORM SEWER, INLET STORM SEWER, HEADWALL STORM SEWER, MANHOLE STORM SEWER, UNDERGROU STORM SEWER, ROOF DRAIN STORM SEWER, CLEAN-OUT MINOR CONTOUR MAJOR CONTOUR MAJOR CONTOUR SPOT ELEVATION			
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SITE, BOLLARD SITE, BORING LOCATION BUILDING SITE, POST SITE, TRAFFIC SIGN SOIL BOUNDARY SOIL LABEL STORM SEWER, INLET STORM SEWER, HEADWALL STORM SEWER, WANHOLE STORM SEWER, UNDERGROU STORM SEWER, UNDERGROU STORM SEWER, CLEAN-OUT STORM SEWER, CLEAN-OUT MINOR CONTOUR MAJOR CONTOUR SPOT ELEVATION	\bigcirc	\odot	MISC. CORNER
SITE, BORING LOCATION BUILDING BUILDING SITE, POST SITE, TRAFFIC SIGN SOIL BOUNDARY SOIL LABEL STORM SEWER, INLET STORM SEWER, HEADWALL STORM SEWER, MANHOLE STORM SEWER, UNDERGROU STORM SEWER, CLEAN-OUT STORM SEWER, CLEAN-OUT MINOR CONTOUR MAJOR CONTOUR MAJOR CONTOUR SPOT ELEVATION	0	•	CONCRETE MONUMENT
BUILDING SITE, POST SITE, TRAFFIC SIGN SOIL BOUNDARY SOIL LABEL STORM SEWER, INLET STORM SEWER, HEADWALL STORM SEWER, MANHOLE STORM SEWER, UNDERGROU STORM SEWER, CLEAN-OUT STORM SEWER, CLEAN-OUT MINOR CONTOUR MAJOR CONTOUR MAJOR CONTOUR MAJOR CONTOUR SPOT ELEVATION	0	0	SITE, BOLLARD
SITE, POST SITE, TRAFFIC SIGN SOIL BOUNDARY SOIL LABEL STORM SEWER, INLET STORM SEWER, HEADWALL STORM SEWER, MANHOLE STORM SEWER, UNDERGROU STORM SEWER, CLEAN-OUT STORM SEWER, CLEAN-OUT MINOR CONTOUR MAJOR CONTOUR MAJOR CONTOUR SPOT ELEVATION	•	•	SITE, BORING LOCATION
SITE, TRAFFIC SIGN SOIL BOUNDARY SOIL LABEL STORM SEWER, INLET STORM SEWER, HEADWALL STORM SEWER, MANHOLE STORM SEWER, UNDERGROU STORM SEWER, ROOF DRAIN STORM SEWER, CLEAN-OUT MINOR CONTOUR MAJOR CONTOUR X 100.5 X 100.5 SOIL BOUNDARY STORM SEWER, INLET STORM SEWER, MANHOLE STORM SEWER, CLEAN-OUT MINOR CONTOUR MAJOR CONTOUR SPOT ELEVATION			BUILDING
SOIL BOUNDARY SOIL LABEL STORM SEWER, INLET STORM SEWER, HEADWALL STORM SEWER, MANHOLE STORM SEWER, UNDERGROU STORM SEWER, ROOF DRAIN STORM SEWER, CLEAN-OUT MINOR CONTOUR MAJOR CONTOUR X 100.5 X SPOT ELEVATION	\oplus	\oplus	SITE, POST
WaC SOIL LABEL STORM SEWER, INLET STORM SEWER, HEADWALL STORM SEWER, MANHOLE STORM SEWER, UNDERGROU STORM SEWER, ROOF DRAIN STORM SEWER, CLEAN-OUT STORM SEWER, CLEAN-OUT MINOR CONTOUR MAJOR CONTOUR X 100.5 X SPOT ELEVATION	0	0	SITE, TRAFFIC SIGN
STORM SEWER, INLET STORM SEWER, HEADWALL STORM SEWER, MANHOLE STORM SEWER, UNDERGROU STORM SEWER, ROOF DRAIN STORM SEWER, CLEAN-OUT STORM SEWER, CLEAN-OUT MINOR CONTOUR MAJOR CONTOUR X 100.5 X 100.5 X SPOT ELEVATION		r	SOIL BOUNDARY
STORM SEWER, HEADWALL STORM SEWER, MANHOLE STORM SEWER, UNDERGROU STORM SEWER, ROOF DRAIN STORM SEWER, CLEAN-OUT STORM SEWER, CLEAN-OUT MINOR CONTOUR MAJOR CONTOUR X 100.5 X SPOT ELEVATION	WaC		
STORM SEWER, MANHOLE STORM SEWER, UNDERGROU STORM SEWER, ROOF DRAIN STORM SEWER, CLEAN-OUT TOTAL MINOR CONTOUR MAJOR CONTOUR X 100.5 X 100.5 SPOT ELEVATION			·
STORM SEWER, UNDERGROUD STORM SEWER, ROOF DRAIN STORM SEWER, ROOF DRAIN STORM SEWER, CLEAN-OUT			•
STORM SEWER, ROOF DRAIN STORM SEWER, CLEAN-OUT	(D)		
© STORM SEWER, CLEAN-OUT 101			STORM SEWER, UNDERGROUP
——————————————————————————————————————			STORM SEWER, ROOF DRAIN
χ 100.5 X 100.5 SPOT ELEVATION			
		100	MAJOR CONTOUR
	X 100.5	x 100.5	SPOT ELEVATION
	· · ·		WETLAND

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v 877-647-2110
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SKETCH PLAN NOT FOR CONSTRUCTION

DATE: DESCRIPTION:

 LU PROJECT
 DIGSX25001

 DA PROJECT
 2512

 SCALE:
 1"=20'

 FORMAT:
 30" X 42"

 DRAWN:
 1005

 CHECKED:
 TJS

 DATE:
 2025-09-10

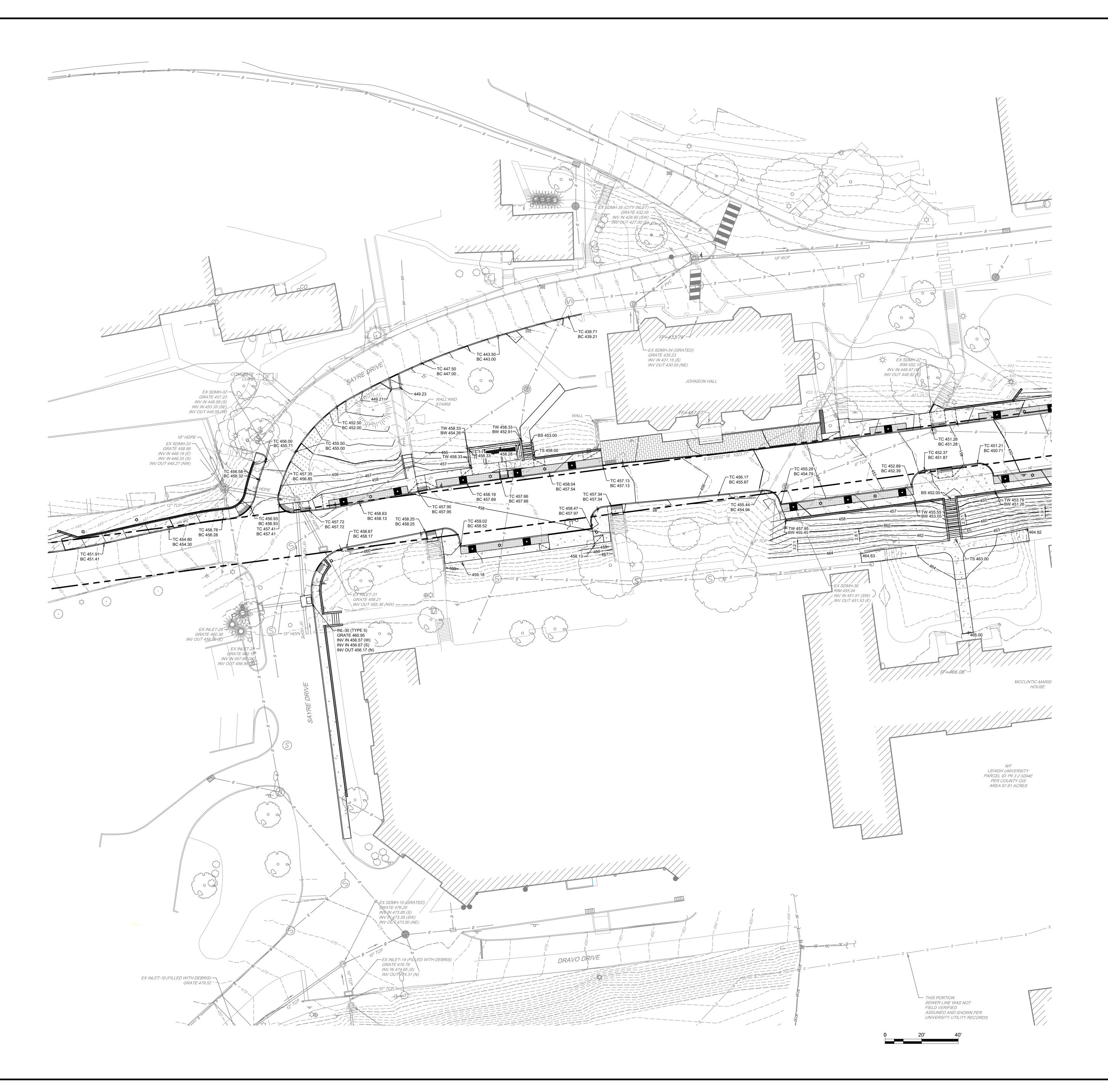
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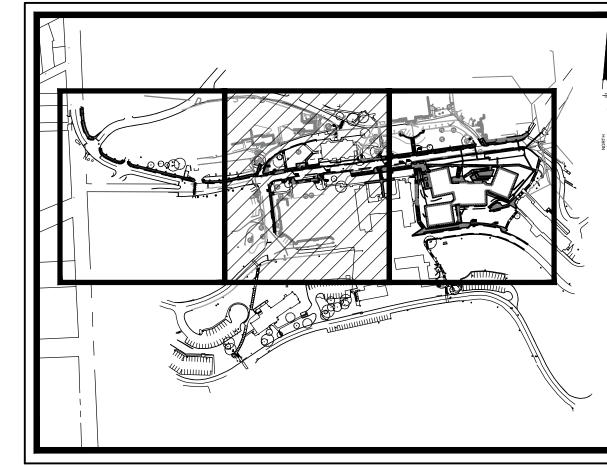
GRADING AND DRAINAGE PLAN

SHEET NUMBER:

CS1501

SHEET 12 OF 18
PROJECT PHASE:





KEY MAP NOT TO SCALE

EVICTING	DDODOGED	DECODIDATION
EXISTING	PROPOSED	DESCRIPTION
		: CURB
		CURB DEPRESSION
		- EDGE OF PAVEMENT
		- EDGE OF GRAVEL
		- EASEMENT
xx	xx	- FENCE
· · · · · · · · · · · · · · · · · · ·		FLOODPLAIN
I I I	I I I	- GUIDE RAIL
Ê	Ŀ	MARKING, HANDICAP PARKING
-	-(1)	POWER, GUY POLE
(—	(—	POWER, GUY WIRE
		POWER, UTILITY POLE PROPERTY, LINE
		 LEGAL RIGHT-OF-WAY
	•	CORNER
(·)	igodot	MISC. CORNER
0	0	CONCRETE MONUMENT
0	0	SITE, BOLLARD
⊕	*	SITE, BORING LOCATION
<u> </u>	<u> </u>	BUILDING
<u>—</u>	⊕	SITE, POST
-	-0	SITE, TRAFFIC SIGN
WaC		SOIL BOUNDARY SOIL LABEL
		STORM SEWER, INLET
	<u> </u>	STORM SEWER, HEADWALL
		STORM SEWER, MANHOLE
= = =		STORM SEWER, UNDERGROU
	\triangleright	STORM SEWER, ROOF DRAIN
		STORM SEWER, CLEAN-OUT
101		
	100	- MAJOR CONTOUR
X 100.5	x 100.5	SPOT ELEVATION
· · ·		WETLAND
		WETLAND BUFFER

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CIVIL ENGINEER

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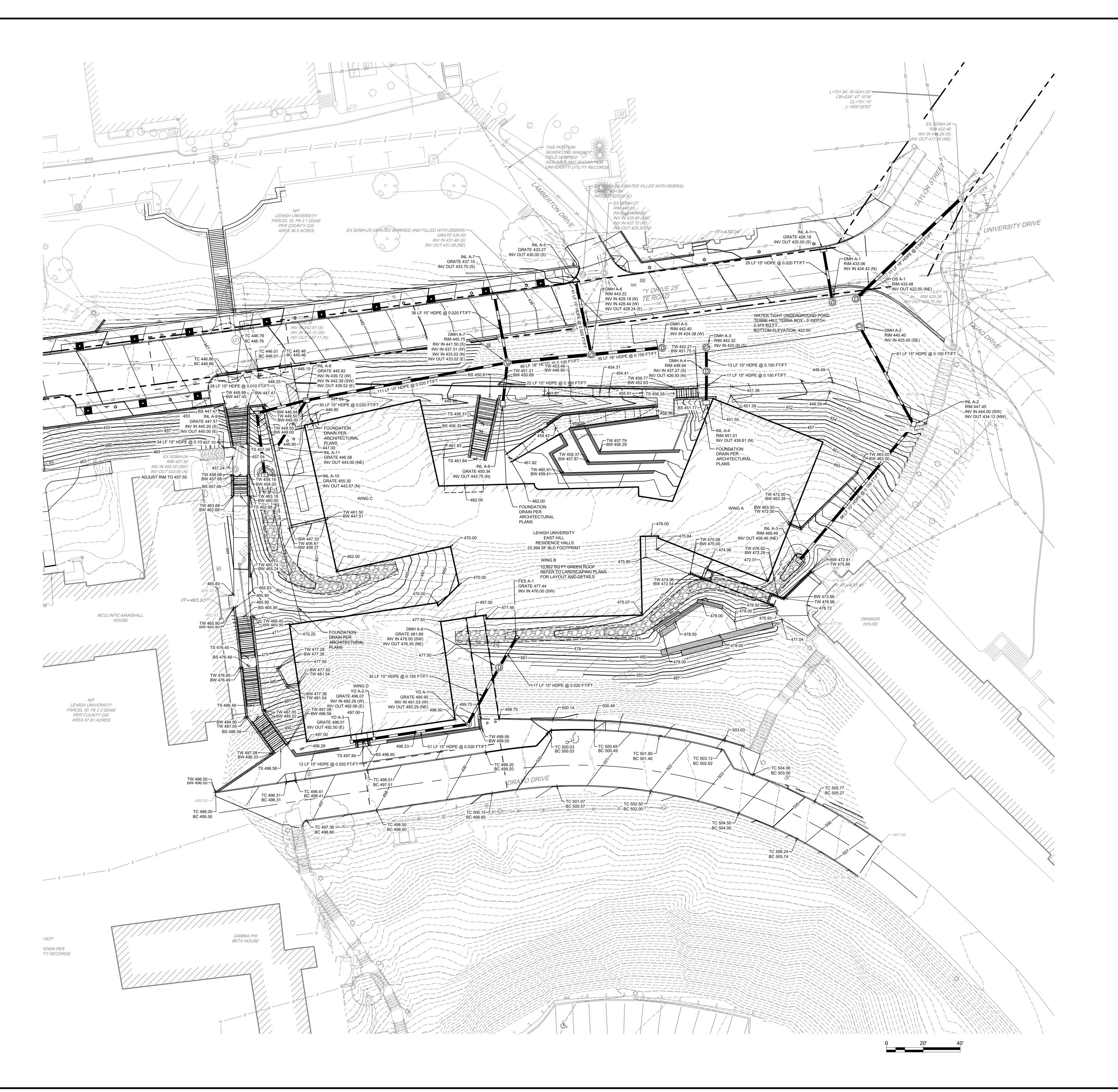
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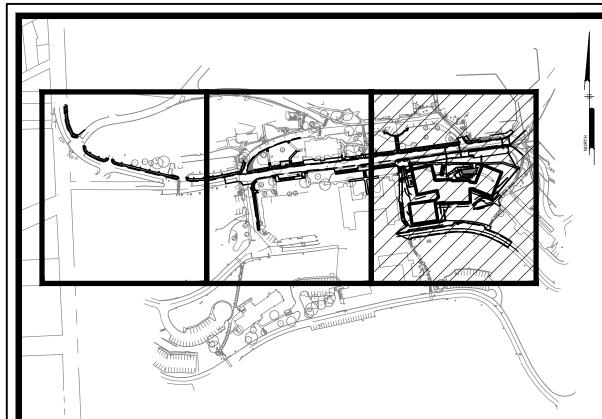
GRADING AND DRAINAGE PLAN

SHEET NUMBER:

CS1502

SHEET 13 OF 18
PROJECT PHASE:





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	LLGLIND	
EXISTING	PROPOSED	DESCRIPTION
		CURB
		CURB DEPRESSION
		EDGE OF PAVEMENT
		EDGE OF GRAVEL
		EASEMENT
xx	xx	FENCE
· ·	I I I	FLOODPLAIN
		GUIDE RAIL
Ġ.	£	MARKING, HANDICAP PARKING
- ()	-● (—	POWER, GUY POLE POWER, GUY WIRE
<u> </u>	<u> </u>	POWER, UTILITY POLE PROPERTY, LINE
		LEGAL RIGHT-OF-WAY
		CORNER
<u>•</u>	\bigcirc	MISC. CORNER
0	0	CONCRETE MONUMENT
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		STORM SEWER, CLEAN-OUT
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	100	MAJOR CONTOUR
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· · ·		WETLAND
		WETLAND BUFFER

NOTE: PERIMETER FOUNDATION DRAINS SHALL BE INSTALLED ACCORDING TO THE SIZES AND LOCATIONS SHOWN ON THE ARCHITECTURAL PLANS FOR EACH BUILDING.

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ARCHITECT

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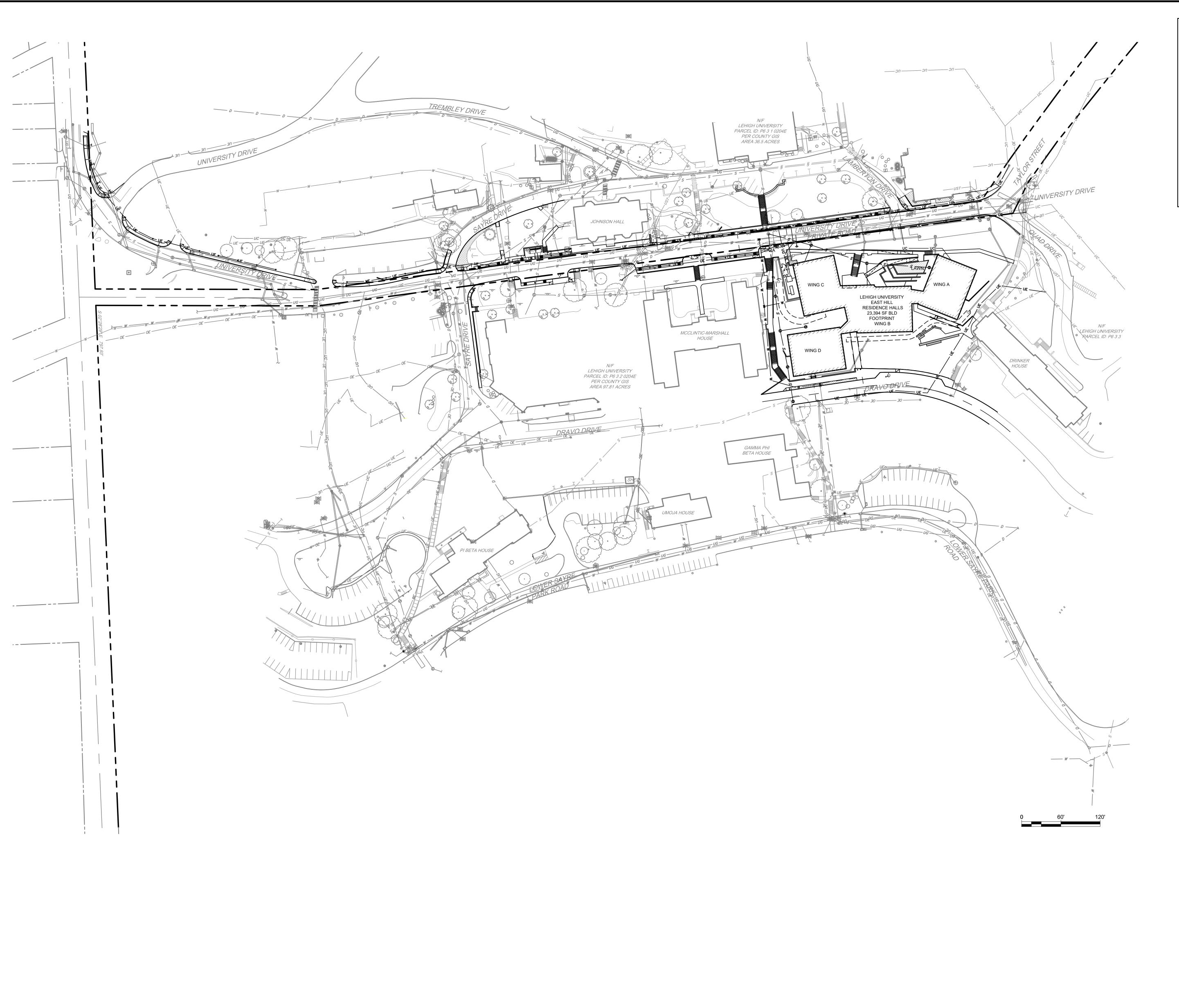
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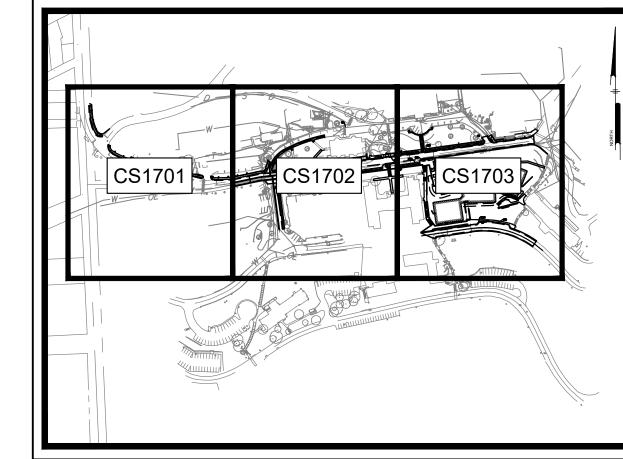
GRADING AND DRAINAGE PLAN

SHEET NUMBER:

CS1503

SHEET 14 OF 18
PROJECT PHASE:





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						CURB DEPRESSION
						EDGE OF PAVEMENT
			— —			EDGE OF GRAVEL
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×	×	·	×-		-×	FENCE
						FLOODPLAIN
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	Å			Ġ		MARKING, HANDICAP PARKIN
						NATURAL GAS, METER
	(G)			<u>(G</u>)		NATURAL GAS, MANHOLE
OG	—— <i>c</i> ₻	0G	—— OG —	®	- og	NATURAL GAS, OVERHEAD NATURAL GAS, STUB OUT
	\(\text{\tint{\text{\tin}\text{\teint{\text{\tin\text{\texi}\text{\text{\text{\text{\text{\text{\text{\text{\texi}\text{\text{\text{\text{\text{\text{\texi}\text{\text{\texi}\text{\text{\texi}\text{\text{\text{\text{\text{\text{\texi}\text{\text{\texi}\text{			Ψ [©]		NATURAL GAS, VALVE
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	(—			-		POWER, GUY WIRE
	EB					POWER, JUNCTION BOX
	E)			Ē		POWER, MANHOLE
OE	_	DE	OE -		- OE	POWER, OVERHEAD
02	③	-	JL —	③		POWER, METER
	EPB			EPB		POWER, PANEL BOX
						DOWER
	©			Ø		POWER, STUB OUT
	4			4		POWER, TRANSFORMER
UE	L	<i>JE</i> ———	—— Е —		— Е ——	POWER, UNDERGROUND
	Q			Ø		POWER, UTILITY POLE
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	\odot			\odot		MISC. CORNER
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(11111111111111111111111111111111111111	<u> </u>		111111	////		BUILDING
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	₩aC					SOIL LABEL
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	FM			(FM)		SANITARY SEWER, FM MANH
	•			•		SANITARY SEWER, FORCE S
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	(S)			\bigcirc		SANITARY SEWER, MANHOLE
		s ——	—— s —	<u></u>	— s ——	SANITARY SEWER, UNDERGI SANITARY SEWER, STUB OU
s	Ψ			φ (50 0)		SANITARY SEWER, VALVE
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s						STORM SEWER,HEADWALL
s						STORM SEWER, MANHOLE
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s		_				STORM SEWER, MANHOLE
s		=				STORM SEWER, MANHOLE STORM SEWER, UNDERGRO
s		_				STORM SEWER, MANHOLE STORM SEWER, UNDERGROUS STORM SEWER, ROOF DRAIN
		=				STORM SEWER, MANHOLE STORM SEWER, UNDERGROU STORM SEWER, ROOF DRAIN STORM SEWER, CLEAN-OUT WATER, FIRE HYDRANT WATER, MANHOLE
s		=				STORM SEWER, MANHOLE STORM SEWER, UNDERGROUNDER STORM SEWER, ROOF DRAIN STORM SEWER, CLEAN-OUT WATER, FIRE HYDRANT WATER, MANHOLE WATER, METER
			w		- W	STORM SEWER, MANHOLE STORM SEWER, UNDERGRO STORM SEWER, ROOF DRAIN STORM SEWER, CLEAN-OUT WATER, FIRE HYDRANT WATER, MANHOLE WATER, METER WATER, STUB OUT
		 W F				STORM SEWER, MANHOLE STORM SEWER, UNDERGROU STORM SEWER, ROOF DRAIN STORM SEWER, CLEAN-OUT WATER, FIRE HYDRANT WATER, MANHOLE WATER, METER WATER, STUB OUT WATER, UNDERGROUND
w		F				STORM SEWER, MANHOLE STORM SEWER, UNDERGROU STORM SEWER, ROOF DRAIN STORM SEWER, CLEAN-OUT WATER, FIRE HYDRANT WATER, MANHOLE WATER, METER WATER, STUB OUT WATER, UNDERGROUND
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w	© 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	<i>F</i> ———	—— F —		— F ———	STORM SEWER, MANHOLE STORM SEWER, UNDERGROU STORM SEWER, ROOF DRAIN STORM SEWER, CLEAN-OUT WATER, FIRE HYDRANT WATER, MANHOLE WATER, METER WATER, STUB OUT WATER, UNDERGROUND WATER, UNDERGROUND FIRE WATER, VALVE
w		<i>F</i> ———	—— F —		— F ———	STORM SEWER, MANHOLE STORM SEWER, UNDERGROU STORM SEWER, ROOF DRAIN STORM SEWER, CLEAN-OUT WATER, FIRE HYDRANT WATER, MANHOLE WATER, METER WATER, STUB OUT WATER, UNDERGROUND WATER, UNDERGROUND FIR WATER, VALVE MINOR CONTOUR

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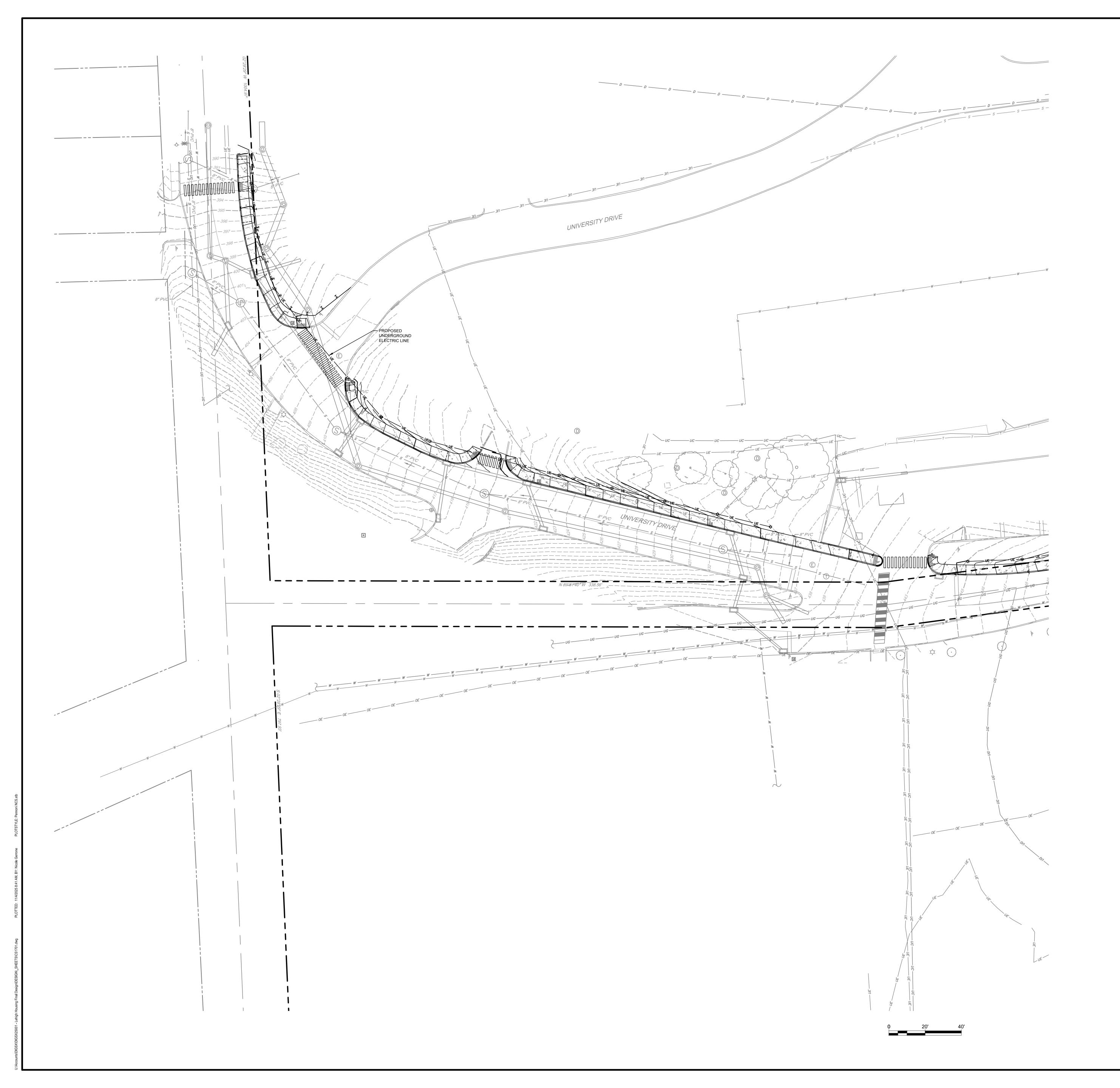
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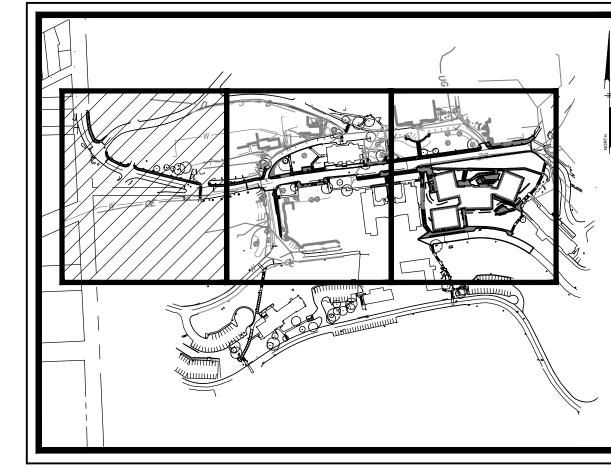
OVERALL UTILITY PLAN

SHEET NUMBER:

PROJECT PHASE:

CS1700 SHEET 15 OF 18





CURB CURB DEPRESSION EDGE OF PAVEMENT EDGE OF FAVEMENT EDGE OF GRAVEL EASEMENT FENCE FLOODPLAIN GUIDE RAIL GLANARKING, HANDICAP PARKIN NATURAL GAS, METER NATURAL GAS, CVERHEAD NATURAL GAS, STUB OUT NATURAL GAS, STUB OUT NATURAL GAS, STUB OUT NATURAL GAS, UNDERGROU POWER, GUY POLE POWER, GUY POLE POWER, GUY WIRE POWER, JUNCTION BOX POWER, MANHOLE POWER, PANEL BOX POWER, PANEL BOX POWER, PANEL BOX POWER, STUB OUT POWER, INTERPREDATE STIE, BORING LOCATION BUILDING SITE, BORING LOCATION BUILDING SITE, BORING LOCATION BUILDING SITE, POST SITE, TRAFFIC SIGN SOIL BOUNDARY SOIL LABEL SANITARY SEWER, CLEAN-O SANITARY SEWER, FORCE IS SANITARY SEWER, LETERAL STORM SEWER, INLEET STORM SEWER, INLEET STORM SEWER, INDERGRO STORM SEWER,	F)	KISTIN	JG	1	EGE OPOS		DESCRIPTION
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EDGE OF PAVEMENT EDGE OF GRAVEL EASEMENT FENCE FLOODPLAIN GUIDE RAIL GUIDER RAIL							CURB
EDGE OF GRAVEL EASEMENT FENCE FLOODPLAIN GUIDE RAIL MATURAL GAS, MANHOLE NATURAL GAS, MANHOLE NATURAL GAS, SUPERHEAD OC OC OC OC OC NATURAL GAS, SUPERHEAD OC OC OC OC OC NATURAL GAS, SUNDERGROUND POWER, GUY WIRE POWER, GUY WIRE POWER, GUY WIRE POWER, MINCTION BOX POWER, MANHOLE OC OC OC OC OC OC NATURAL GAS, UNDERGROUND POWER, MANHOLE OC OC OC OC OC OC NATURAL GAS, UNDERGROUND POWER, MINCTION BOX POWER, MANHOLE OC O							CURB DEPRESSION
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FENCE FLOODPLAIN GUIDE RAIL ARABRING HANDICAP PARKIN ATURAL GAS, MAFTER NATURAL GAS, MAHOLE OF OG OG OG MATURAL GAS, SANHOLE OF OG OG OG MATURAL GAS, SANHOLE OF OG OG OG MATURAL GAS, SANHOLE OF OWER, GUY WIRE POWER, GUY WIRE POWER, GUY WIRE POWER, MANHOLE POWER, PANEL BOX OF OWER, PANEL BOX OF OWER							EDGE OF GRAVEL
FLOODPLAIN GUIDE RAIL GL GL GL GL MARKING, HANDICAP PARKIN MATURAL GAS, METER NATURAL GAS, METER NATURAL GAS, OVERHEAD NATURAL GAS, STUB OUT NATURAL GAS, STUB OUT NATURAL GAS, STUB OUT NATURAL GAS, VALVE WATURAL GAS, VALVE NATURAL GAS, VALVE		·			· —		EASEMENT
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NATURAL GAS, METER NATURAL GAS, MANHOLE NATURAL GAS, OVERHEAD NATURAL GAS, OVERHEAD NATURAL GAS, STUB OUT NATURAL GAS, OVERHEAD POWER, GUY POLE POWER, GUY WIRE POWER, MANHOLE POWER, WILLITY POLE POWER, UTILITY POLE PROPERTY, LINE LEGAL RIGHT-OF-WAY CORNER SITE, BORING LOCATION BUILDING SITE, POST SITE, TRAFFIC SIGN SOIL LABEL SANITARY SEWER, FORCE M SANITARY SEWER, FORCE M SANITARY SEWER, FORCE M SANITARY SEWER, FORCE M SANITARY SEWER, NUMBER STORM SEWER, NUMBER STORM SEWER, NUMBER STORM SEWER, NUMBER STORM SEWER, NUMBER WATER, MANHOLE WATER, METER WATER, LUBDERGROUND WATER, METER WATER, LUBDERGROUND WATER, METER WATER, LUBDERGROUND WATER, METER WATER, VALVE WATER, MANHOLE WATER, VALVE WATER, MANHOLE WATER, VALVE WATER,	I	I	I	I	I	<u> </u>	GUIDE RAIL
© 00 00 00 00 NATURAL GAS, MANHOLE NATURAL GAS, OVERHEAD NATURAL GAS, STUB OUT NATURAL GAS, STUB OUT POWER, GLY YOLE POWER, JUNCTION BOX POWER, MANHOLE POWER, GLY YOLE POWER, JUNCTION BOX POWER, MANHOLE POWER, STUB OUT POWER, METER POWER, WILDERGROUND POWER, TRANSFORMER POWER, UNDERGROUND POWER, UNIDERGROUND SITE, BOLLARD SITE, POST SITE, TRAFFIC SIGN SOIL DABEL SITE, WAS ANITARY SEWER, CLEAN-OUT WAS ANITARY SEWER, FORCE ME SANITARY SEWER, MANHOLE STORM SEWER, MANHOLE							MARKING, HANDICAP PARKIN
## ## ## ## ## ## ## ## ## ## ## ## ##					_		
## NATURAL GAS, STUB OUT NATURAL GAS, VALVE ## NATURAL GAS, VALVE NATURAL GAS, VALVE ## POWER, GUY POLE ## POWER, GUY WIRE ## POWER, GUY WIRE ## POWER, MANHOLE ## POWER, MANHOLE ## POWER, MANHOLE ## POWER, STUB OUT ## POWER, STUB OUT ## POWER, TRANSFORMER ## POWER, UNILITY POLE ## POWER, UNILITY ## POWER, UNILITY ## POWER, UNILITY ## POWER, UNITED POWER ## POWER, UNITED POWER ## POWER, UNILITY ## POWER, UNITED POWER ##	OG -		— OG ———	og -	<u> </u>	– og ––––	·
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POWER, GUY POLE POWER, GUY WIRE POWER, JUNCTION BOX POWER, MANHOLE POWER, MANHOLE POWER, METER POWER, METER POWER, STUB OUT POWER, STUB OUT POWER, STUB OUT POWER, UNDERGROUND POWER, STUB OUT PROPERTY, LINE LEGAL RIGHT-OF-WAY CORNER CONCRETE MONUMENT SITE, BORING LOCATION BUILDING SITE, POST SITE, TRAFFIC SIGN SOIL BOUNDARY SOIL LABEL SANITARY SEWER, CLEAN-O SANITARY SEWER, FORCE M SANITARY SEWER, INDERGROUND STORM SEWER, NOLE STORM SEWER, NOLE STORM SEWER, LEAN-OUT WATER, MANHOLE WATER, MANHOLE WATER, MANHOLE WATER, MODERGROUND FIR WATER, MODERGROUND					M		NATURAL GAS, VALVE
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© © OE POWER, MANHOLE POWER, OVERHEAD POWER, METER POWER, PANEL BOX POWER, STUB OUT POWER, UNDERGROUND		(—					
OE OE OE POWER, OVERHEAD POWER, METER POWER, METER POWER, METER POWER, STUB OUT OF POWER, STUB OUT OF POWER, STUB OUT OF POWER, STUB OUT OF POWER, UNIDERGROUND POWER, UTILITY POLE PROPERTY, LINE LEGAL RIGHT-OF-WAY CORNER OSTITE, BOLIARD SITE, BORING LOCATION BUILDING SITE, POST SITE, TRAFFIC SIGN SOIL BOUNDARY SOIL LABEL SANITARY SEWER, CLEAN-OUT SANITARY SEWER, INLET STORM SEWER, INLET STORM SEWER, UNDERGROUND WATER, STUB OUT WATER, STUB OUT WATER, STUB OUT WATER, STUB OUT WATER, UNDERGROUND FIR WATER, STUB OUT WATER, UNDERGROUND FIR WATER, VALVE		_					
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www.digsau.com

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https://www.pennoni.com/
v 855-754-3595

LANDSCAPE ARCHITECT
Omnes
1262 Simon Blvd, B105
Easton, PA 18042
https://omnes.studio/
v 215-882-0500

STRUCTURAL ENGINEER
Keast & Hood
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Philadelphia, PA 19103

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https://keasthood.com/
v 215-625-0099

MEP/FP ENGINEER
IMEG
623 26th Ave
Rock Island, IL 61201
https://imegcorp.com/
v 215-569-0400

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https://www.arup.com/en-us/v 212-896-3000

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Lerch Bates
275 S Main St, Suite 2CC
Doylestown, PA 18901
v 877-647-2110
https://www.lerchbates.com/

SKETCH PLAN NOT FOR CONSTRUCTION

DATE: DESCRIPTION:

 LU PROJECT
 DIGSX25001

 DA PROJECT
 2512

 SCALE:
 1" = 20'

 FORMAT:
 30" X 42"

 DRAWN:
 1005

 CHECKED:
 TJS

 DATE:
 2025-09-10

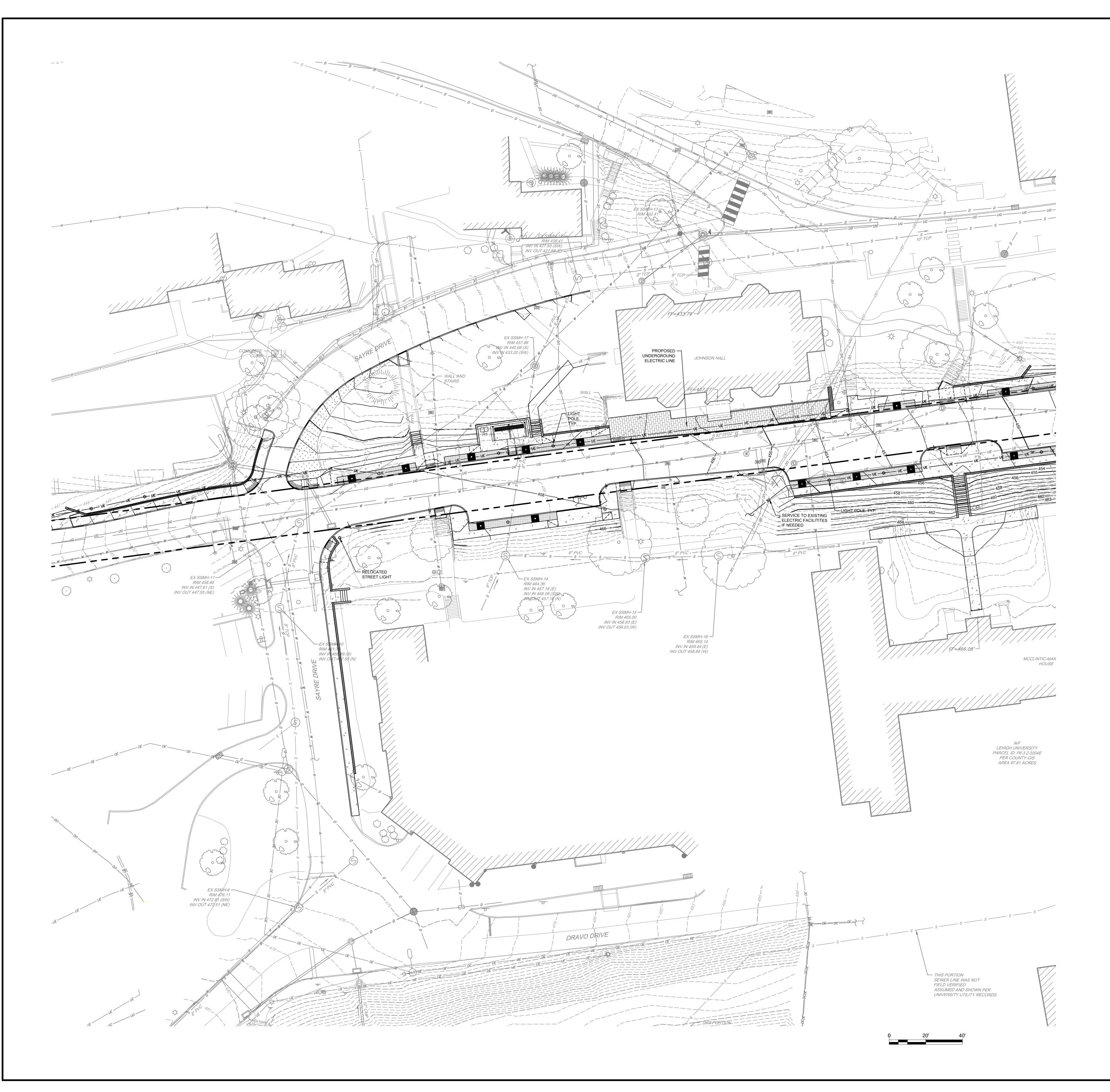
SHEET NAME:

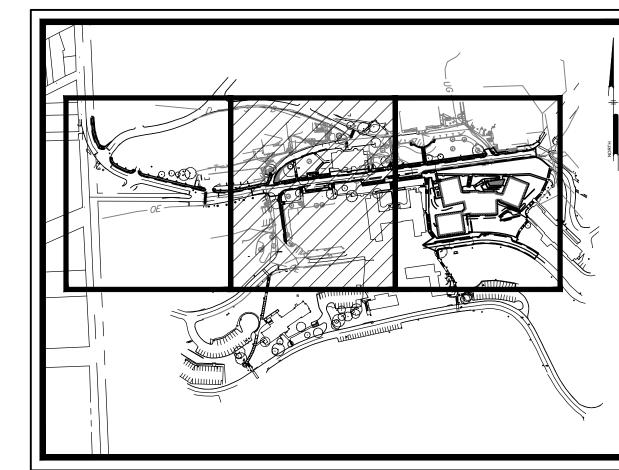
UTILITY PLAN

SHEET NUMBER:

CS1701

SHEET 16 OF 18
PROJECT PHASE:





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				CURB
				CURB DEPRESSION
				EDGE OF PAVEMENT
				EDGE OF GRAVEL
				—— EASEMENT
		_ ×		
×-			xx	FLOODPLAIN
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	Ġ		Ġ	MARKING, HANDICAP PARKING
				NATURAL GAS, METER
	G		<u> </u>	NATURAL GAS, MANHOLE
OG -		- OG	OG OG	,
	6		₲	NATURAL GAS, STUB OUT
				NATURAL GAS,VALVE
UG-	_	- UG	—— UG ——— UG	•
	-(-•	POWER, GUY WIRE
	(— EB		(—— [iii]	POWER, GUY WIRE POWER, JUNCTION BOX
	_		_	
	E		(E)	POWER, MANHOLE
OE -		- OE	OE OE	POWER, OVERHEAD POWER, METER
	PB		₹ 2	POWER, METER POWER, PANEL BOX
	브		FG	TOWER, TANKE BOX
	审		₻	POWER, STUB OUT
	4		4	POWER, TRANSFORMER
UE -		- UE	—— Е ——— Е	POWER, UNDERGROUND
	Ø		Ø	POWER, UTILITY POLE
				PROPERTY, LINE
		- —		LEGAL RIGHT-OF-WAY
	\bigcirc		● ⊙	CORNER MISC. CORNER
	•		•	CONCRETE MONUMENT
	0		0	SITE, BOLLARD
	•		•	SITE, BORING LOCATION
(1/1/1/1	(//////////////////////////////////////	///////////////////////////////////////	BUILDING
	\oplus		\oplus	SITE, POST
	-0-		-0-	SITE, TRAFFIC SIGN
	WaC			SOIL BOUNDARY SOIL LABEL
	O		0	SANITARY SEWER, CLEAN-OUT
		– <i>FM</i> ––––	—— FM ——— FM	
	(FM)		FM	SANITARY SEWER, FM MANHOLE
	•		©	SANITARY SEWER, FORCE STUB
—— s —	— s —	— s ——	_	s —— SANITARY SEWER, LATERAL
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	φ M		φ 190 0	SANITARY SEWER, STUB OUT SANITARY SEWER, VALVE
				STORM SEWER, INLET
	K		I,	STORM SEWER,HEADWALL
				STORM SEWER, MANHOLE
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	-0-		-6-	WATER, FIRE HYDRANT
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			——— IUU——	——— MAJOR CONTOUR
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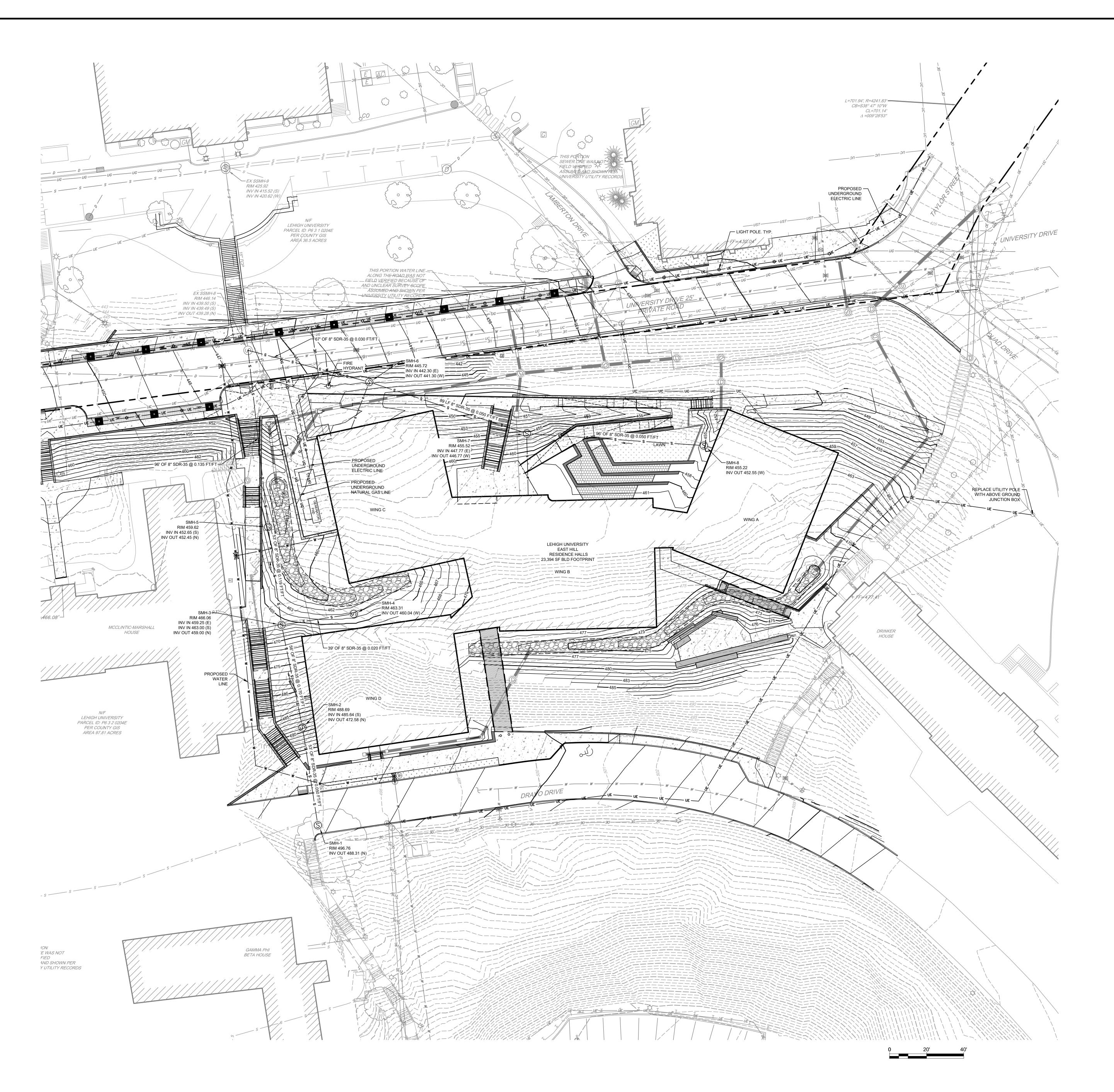
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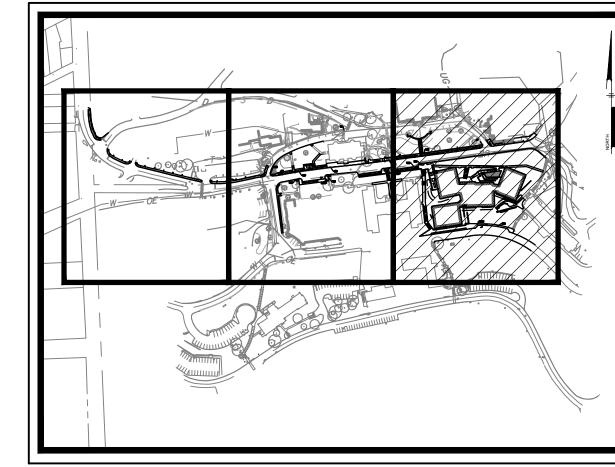
UTILITY PLAN

SHEET NUMBER:

CS1702

SHEET 17 OF 18
PROJECT PHASE:





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					EDGE OF GRAVEL
					EASEMENT
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	 I		I I	I	FLOODPLAIN
	0		0		GUIDE RAIL
	Ġ.		<u></u>		MARKING, HANDICAP PARKING
	(G)		(G)		NATURAL GAS, METER NATURAL GAS, MANHOLE
OG	<u>(b)</u>	- OG	og	- og	NATURAL GAS, OVERHEAD
	\$		\$		NATURAL GAS, STUB OUT
					NATURAL GAS, VALVE
UG		- UG	UG	- UG	NATURAL GAS, UNDERGROUND
	-(1):		-		POWER, GUY POLE
	(—		(POWER, GUY WIRE
	EJB		E.		POWER, JUNCTION BOX
	E		E		POWER, MANHOLE
OE		- OE	OE	- OE	POWER, OVERHEAD
	③		③		POWER, METER
	EPB		<u>EPB</u>		POWER, PANEL BOX
	_				DOMES
	P		₻		POWER, STUB OUT
	4		7		POWER, TRANSFORMER
UE	<u></u>	- UE		– E –––	•
	Q		Ø		POWER, UTILITY POLE
					PROPERTY, LINE
					LEGAL RIGHT-OF-WAY CORNER
	\odot		⊙		MISC. CORNER
	•		•		CONCRETE MONUMENT
	0		0		SITE, BOLLARD
	•		•		SITE, BORING LOCATION
//////////////////////////////////////	///// /////	//////////////////////////////////////	(11111111111111111111111111111111111111		BUILDING
	\oplus		\oplus		SITE, POST
	-		-0-		SITE, TRAFFIC SIGN
					SOIL BOUNDARY
	WaC		_		SOIL LABEL
	\circ		0		SANITARY SEWER, CLEAN-OUT
	(FLI)	- FM	—— FM ——	- FM	SANITARY SEWER, FORCE MAIN
	(FM)		€M •		SANITARY SEWER, FM MANHOLE
	- 6	_ c _	'	— s —	SANITARY SEWER, FORCE STUB SANITARY SEWER, LATERAL
—— s —	- s — (S)	3 ——	s s ⑤	3 	SANITARY SEWER, MANHOLE
s _	<u> </u>	· s ——	s	– s –––	SANITARY SEWER, UNDERGROUP
-	\$		\$		SANITARY SEWER, STUB OUT
			190 0		SANITARY SEWER, VALVE
					STORM SEWER, INLET
					STORM SEWER, HEADWALL
					STORM SEWER, MANHOLE
					STORM SEWER, UNDERGROUND
	\cup		D		STORM SEWER, ROOF DRAIN
					STORM SEWER, CLEAN-OUT
	<u></u>		- \rightarrow		WATER, FIRE HYDRANT
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			○ •		WATER, METER
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					WATER, UNDERGROUND FIRE
,		,	—— r — 📖	. —	WATER, VALVE
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	X 100	0.5	x ^{100.5}		SPOT ELEVATION

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DRAWN: 1005

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SHEET NAME:

UTILITY PLAN

SHEET NUMBER:

CS1703

SHEET 18 OF 18
PROJECT PHASE: