Sheet List Table

COVER SHEET

PDP MASTER CONTEXT PLAN
PDP MASTER CONTEXT PLAN - PHASE 2023

EXISTING CONDITIONS & REMOVAL PLANS

OVERALL SITE PLAN

ENLARGED SITE PLAN

GRADING & DRAINAGE PLAN

UTILITY PLAN

LANDSCAPE PLAN

LOWER LEVEL OVERALL PLAN

LEVEL 1 OVERALL PLAN

LEVEL 2 AND LEVEL 3 OVERALL PLANS

LEVEL 4 AND LEVEL 5 OVERALL PLANS

Sheet Number

C1.0

C0.0

C0.1 P1.0

C2.0

C3.0

C3.1

C4.0

C5.0

L1.0

A1.0 A1.1

A1.2

A1.3

SITE DEVELOPMENT PLANS FOR

BCS PHASE 5

S6, T27N, R23W BLOOMINGTON, HENNEPIN, MINNESOTA

ENGINEER KIMLEY-HORN AND ASSOCIATES, INC.

Kimley» Horn

PREPARED BY: TOM LINCOLN, P.E. 767 N EUSTIS ST, SUITE 100 ST. PAUL, MN 55114 TELEPHONE (651) 645-4197

ARCHITECT ESG ARCHITECTS DAVE EGBERT, AIA 500 WASHINGTON AVENUE S, SUITE 1080 MINNEAPOLIS, MN 55415 TELEPHONE (612) 373-4684 OWNER / DEVELOPER
MCGOUGH DEVELOPMENT
DAVE HIGGINS



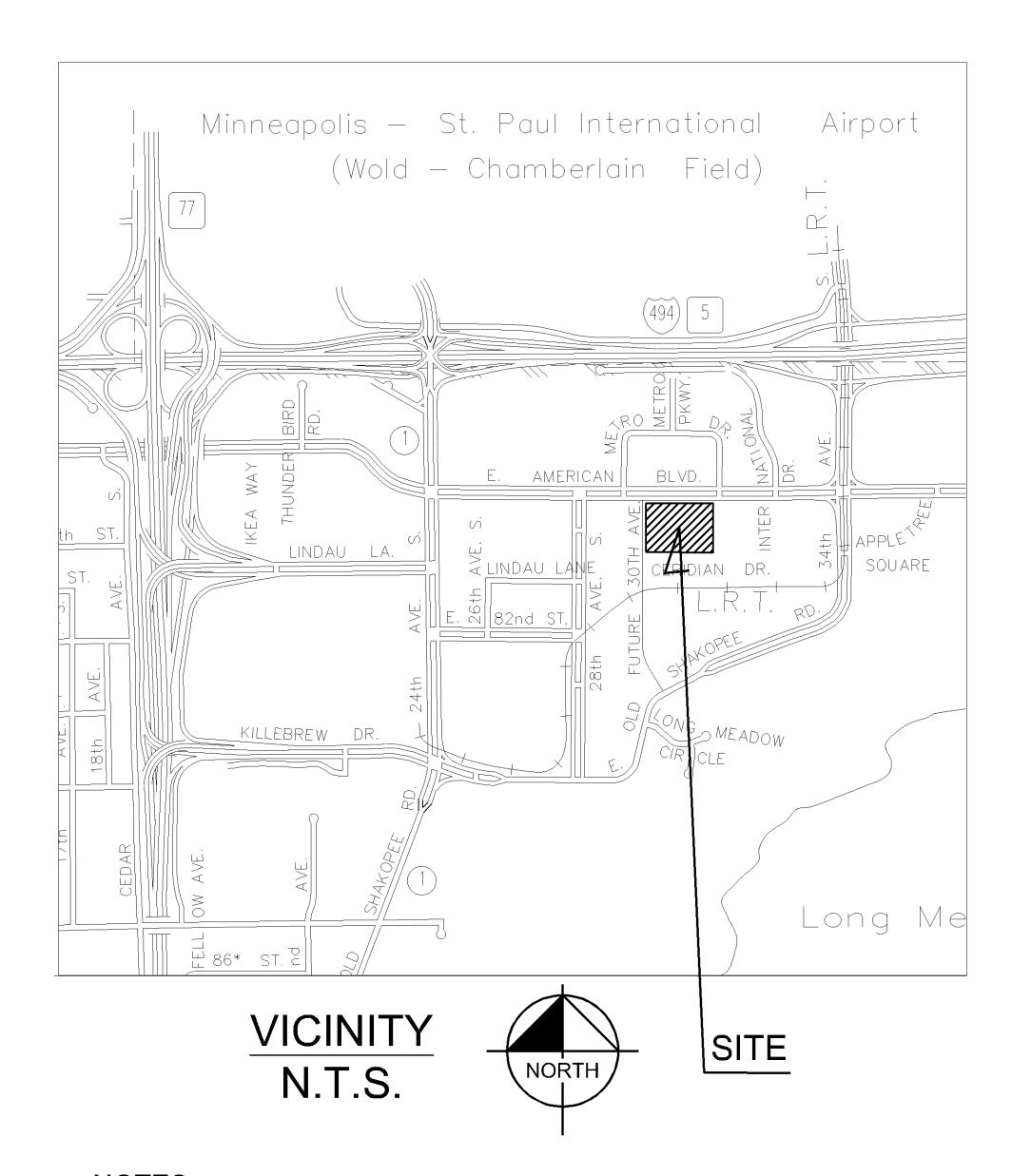
2737 FAIRVIEW AVENUE NORTH ST. PAUL, MN 55113 TELEPHONE: (651) 634- 4687

GEOTECHNICAL ENGINEER

AMERICAN ENGINEERING TESTING, INC.
JEFF VOYEN

550 CLEVELAND AVENUE NORTH
ST. PAUL, MN 55114
TELEPHONE (651) 659-1305

SURVEYOR
SUNDE LAND SURVEYING
LENNY CARLSON, PLS
9001 EAST BLOOMINGTON FREEWAY,
SUITE 118
BLOOMINGTON, MN 55420
TELEPHONE (952) 886-3109



NOTES:

- CONTRACTOR SHALL CONFIRM THAT THE EXISTING CONDITIONS FOR THE SITE MATCH WHAT IS SHOWN ON THE DRAWINGS INCLUDED PRIOR TO CONSTRUCTION.
- IF REPRODUCED, THE SCALES SHOWN ON THESE PLANS ARE BASED ON A 30" X 42" SHEET.
 ALL NECESSARY INSPECTIONS AND/OR CERTIFICATIONS REQUIRED BY CODES AND/OR UTILITY SERVICES
 COMPANIES SHALL BE PERFORMED PRIOR TO ANNOUNCED BUILDING POSSESSION AND THE FINAL CONNECTION
 OF SERVICES.
- OF SERVICES.

 4. ALL GENERAL CONTRACTOR WORK TO BE COMPLETED (EARTHWORK, FINAL UTILITIES, AND FINAL GRADING) BY THE MILESTONE DATE IN PROJECT DOCUMENTS.



McGough Solution

3001 AMERICAN BOULEVARD EAST

BCS 5

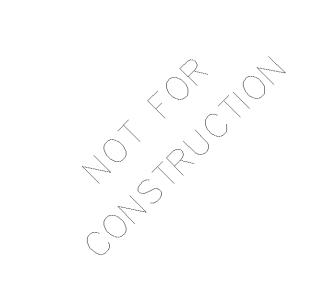
BLOOMINGTON, MN

500 Washington Avenue South, Suite 1080
Minneapolis, MN 55415
p 612.339.5508 | f 612.339.5382
www.esgarch.com

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Signature
Thomas J. Lincoln
Typed or Printed Name
21433 09-06-2023
License # Date

Kimley »Horn



SCHEMATIC DESIGN

ORIGINAL ISSUE: 9/6/2023

REVISIONS:

No. Description Date

1 Pre-Application 9/6/2023

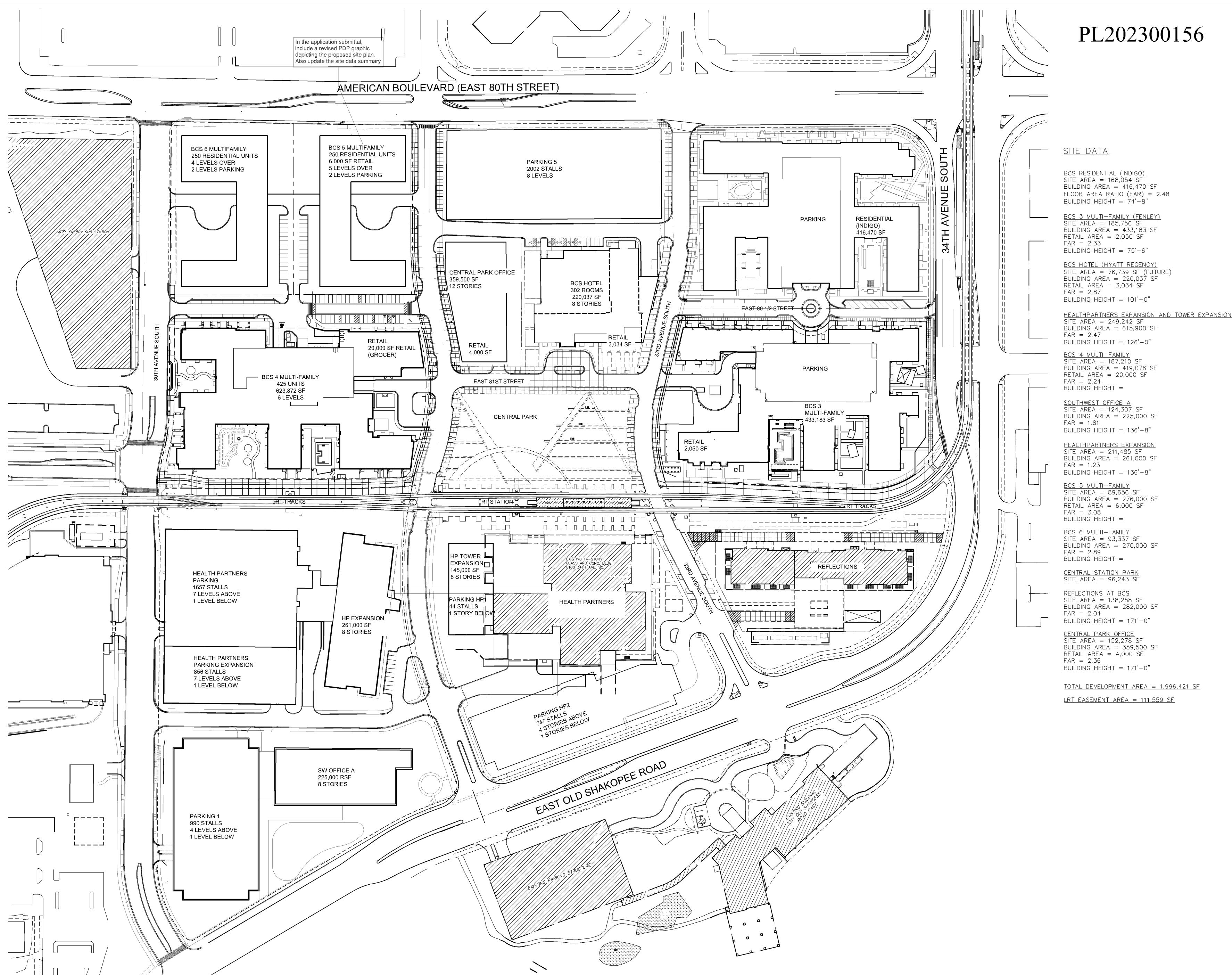
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_____ PROJECT NUMBER

KEY PLAN

BCS 5
FDP COVER SHEET

C1.0



BCS 5

3001 AMERICAN BOULEVARD EAST BLOOMINGTON, MN



ARCHITECTURE & DESIGN

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Signature Thomas J. Lincoln Typed or Printed Name 21433 09-06-2023 License # Date

Kimley Morn



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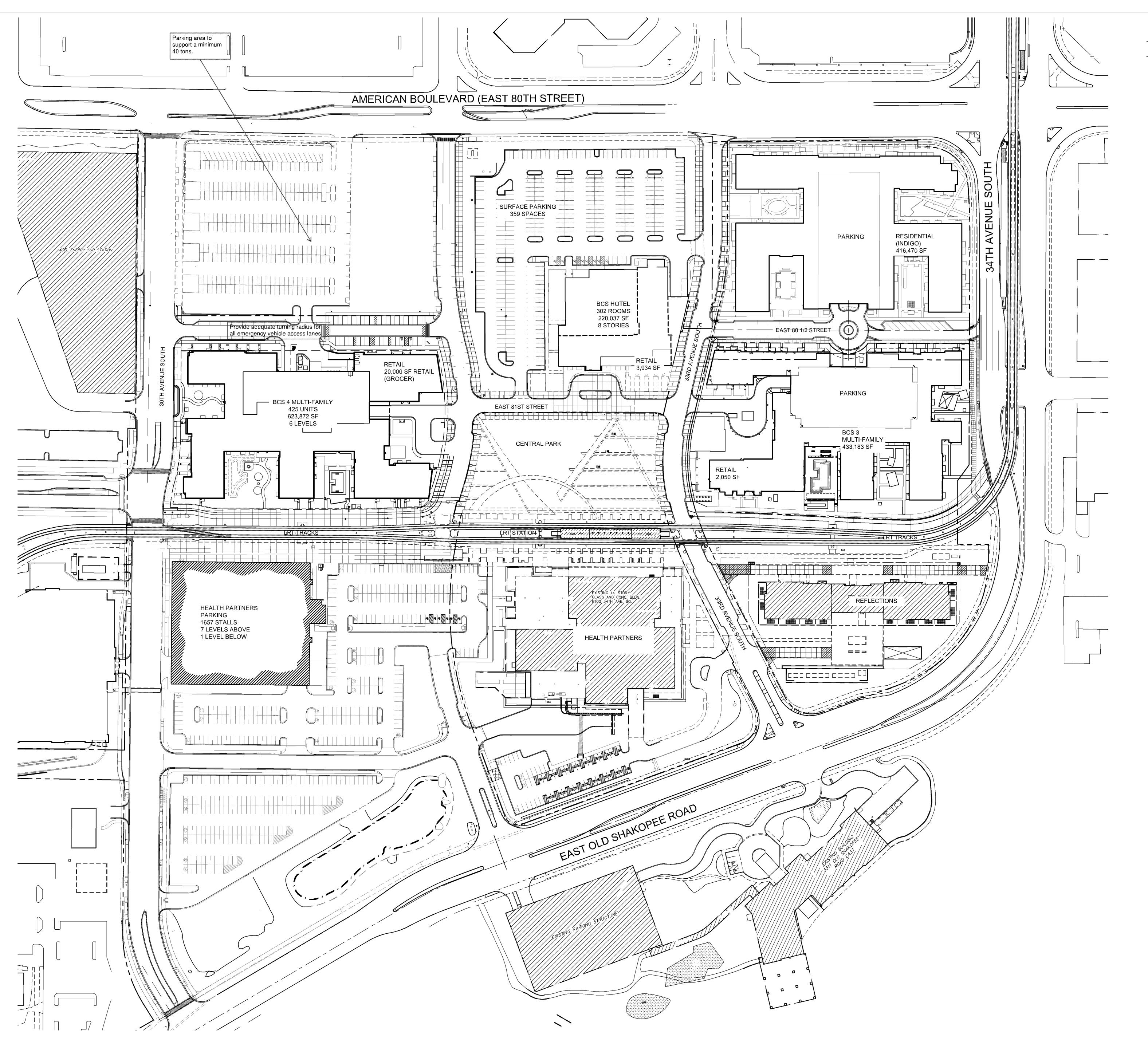
PROJECT NUMBER

REVISIONS:

KEY PLAN

BCS 5 **CURRENT PDP MASTER** CONTEXT PLAN

CO.0



BCS 5

3001 AMERICAN BOULEVARD EAST BLOOMINGTON, MN



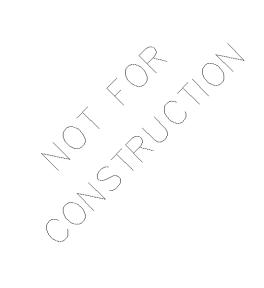


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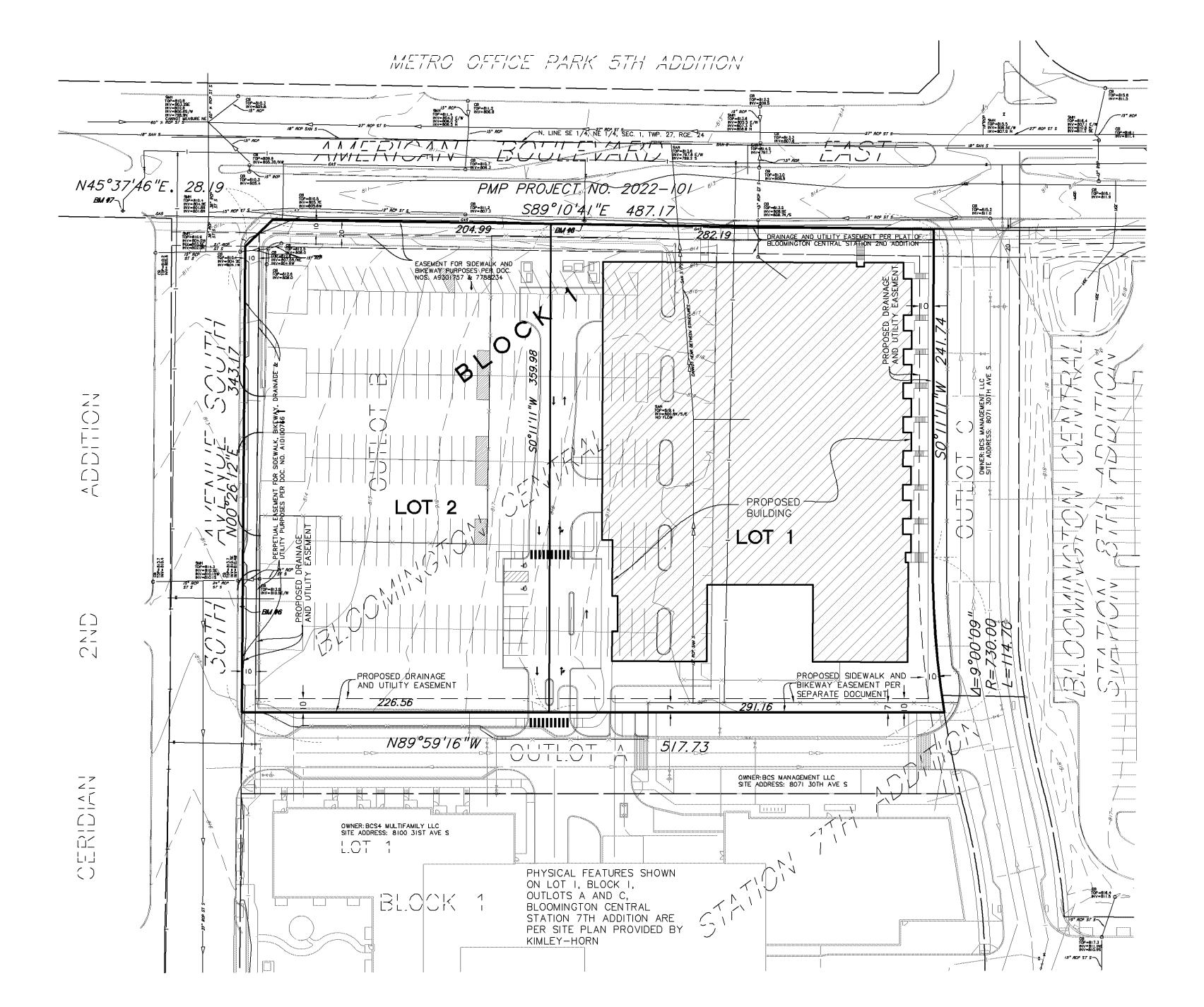
DRC

PROJECT NUMBER

KEY PLAN

BCS 5
CURRENT PDP MASTER
CONTEXT PLAN - PHASE 2021

C0.1



DESCRIPTION OF PROPERTY SURVEYED

Outlots B, Bloomington Central Station 7th Addition, Hennepin County, Minnesota.

PLAT RECORDING INFORMATION

The plat of BLOOMINGTON CENTRAL STATION 7TH ADDITION was filed of record on December 21, 2021, as Document No. 11055986.

TITLE COMMITMENT

This survey was prepared without the benefit of current title work. Easements, appurtenances, and encumbrances may exist in addition to those shown hereon. This survey is subject to revision upon receipt of a current title insurance commitment or attorney's title

GENERAL NOTE

I.) Survey coordinate basis: Hennepin County Coordinate System NAD 83 1986 ADJ

UTILITY NOTES

- I.) Utility information from plans and markings was combined with observed evidence of utilities to develop a view of the underground utilities shown hereon. However, lacking excavation, the exact location of underground features cannot be accurately, completely and reliably depicted. In addition, Gopher State One Call locate requests from surveyors may be ignored or result in an incomplete response. Where additional or more detailed information is required, excavation and/or a private utility locate request may be
- 2.) Other underground utilities of which we are unaware may exist. Verify all utilities critical to construction or design.
- 3.) Some underground utility locations are shown as marked onsite by those utility companies whose locators responded to our Gopher State One Call, ticket number
- 4.) Contact GOPHER STATE ONE CALL at 651-454-0002 (800-252-1166) for precise onsite location of utilities prior to any excavation.

ZONING NOTES

Per City of Bloomington Engineering Department property is currently zoned (HX—R) High Intensity Mixed Use with Residential District.

Per City of Bloomington Code §19.29 (h) Dimensional requirements.

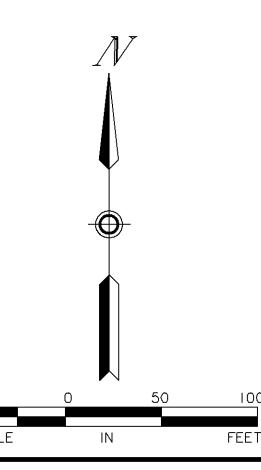
- (1)Building placement. HX-R Zoning District building placement requirements are intended to promote intensity, to maximize design flexibility, to facilitate pedestrian movement and to create an active pedestrian environment. (A)There is no minimum building setback required from property lines fronting
- (B) The minimum building setback along a lot line not adjacent to a public street is ten feet, unless the lot line separates two portions of the same site, in which case no minimum building setback from the internal lot line is required.
- (C) Buildings must not encroach into public easements.(D) To create an active pedestrian level environment, at least one public entrance to buildings with ground level retail and service uses must be located within 20 feet of a public street, internal private street or major pedestrian way. The City Council may approve an alternative location for buildings with ground level retail and service uses provided the alternative location better serves the goal of creating an active pedestrian level environment. (E) Skyways, tunnels and similar pedestrian connection structures have no setback requirements from property lines for a width of 120 feet.

SUBJECT TO REVISION

BENCHMARKS (BM) (NGVD 29)

I.) Not shown on survey

- 2.) Top of top nut of fire hydrant in the northwest corner of park area Elevation = 819.23 feet
- 3.) Top of top nut of fire hydrant in the southwest corner of park area, north of light rail tracks Elevation = 818.18 feet
- 4.) Removed
- 5.) Top of top nut of first fire hydrant north of Lindau Ln. an the east side of 30th Ave. Elevation = 819.53 feet
- 6.) Top of top nut of second fire hydrant north of Lindau Ln. on the east side of 30th Ave. Elevation = 817.60 feet
- 7.) Top of top nut of fire hydrant in the southwest quadrant of 30th Ave. and American Blvd. Elevation = 813.23 feet
- 8.) Top of top nut of first fire hydrant east of 30th Ave. on the south side of American Blvd. Elevation = 814.47 feet
- 9.) Removed
- IO.) Top of top nut of fire hydrant east of the northeast corner of parking ramp, south of light rail tracks. Elevation = 818.82 feet



SITE ADDRESSE

3001 American Blvd. E., Bloomington, Minnesota.

<u>AREAS</u>

PROPOSED LOTS:

101,355 sq. ft. or 2.327 acres Lat 1, Block 1: Lat 2, Block 1: 81,432 sq. ft. or 1.869 acres Total: 182,787 sq. ft. or 4.196 acres

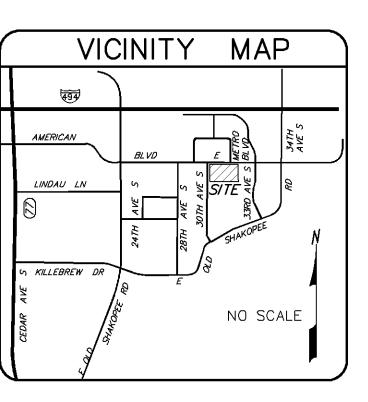
<u>OWNER</u>

BCS GD West, LLC [Outlot B, BLOOMINGTON CENTRAL STATION 7TH ADDITION]

APPLICANT

Kimley-Horn and Associates, Inc. 767 N Eustis Street Suite 100 St. Paul, MN 55114

Thomas Lincoln Phone: 651-645-4197

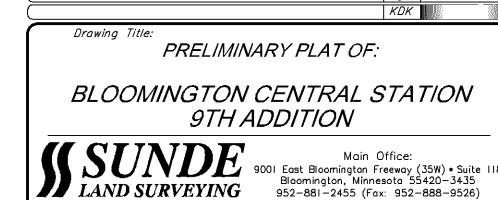


I hereby certify that this survey, plan, or report was prepared by me or under my direct supervision and that I am a duly Licensed Land Surveyor under the laws of the State of Minnesota.

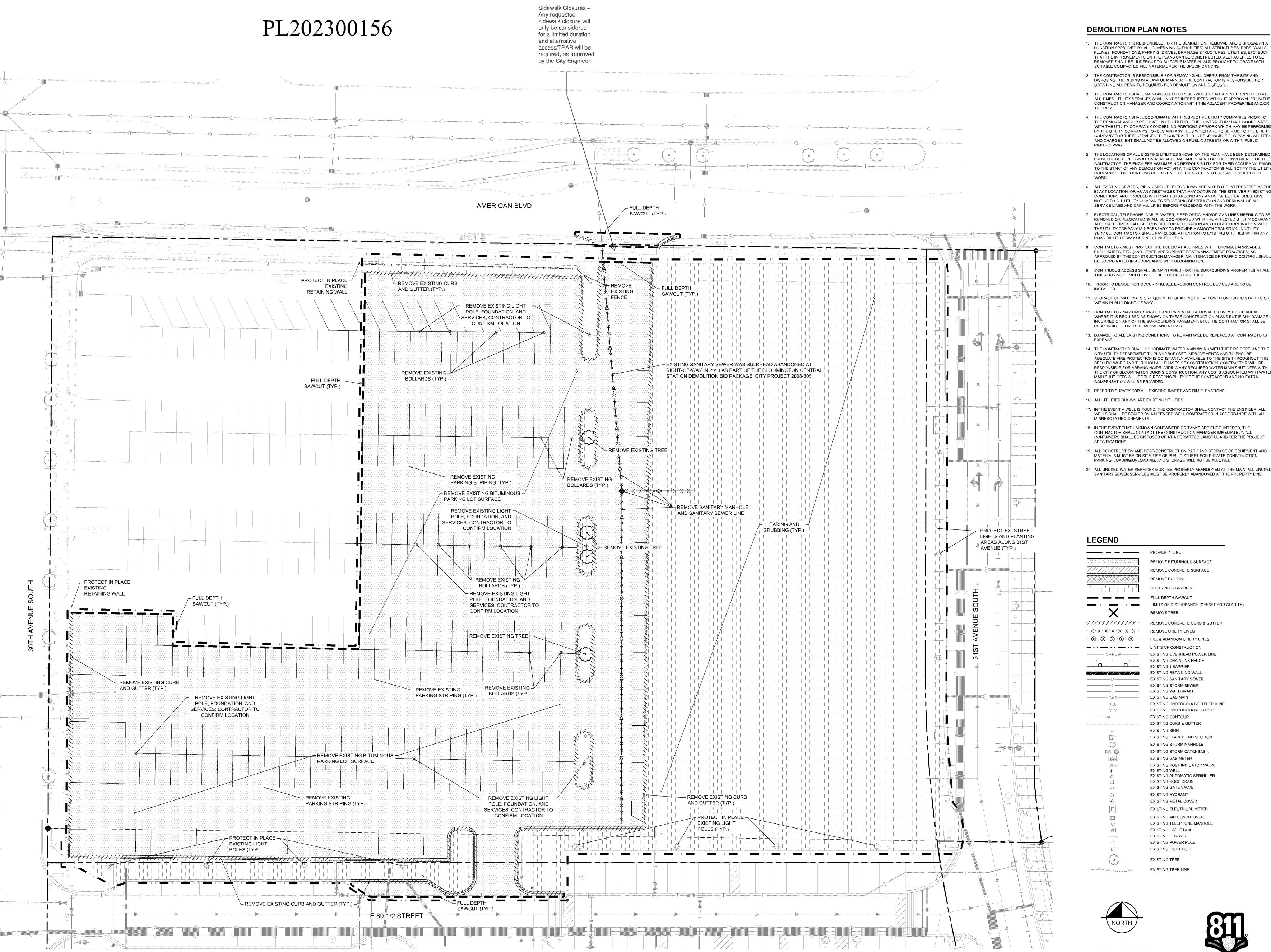
Dated this 5th day of September, 2023

SUNDE LAND SURVEYING, LLC.

Leonard F. Carlson, P.L.S. Minn. Lic. No. 44890



Project: 85-161-KH7 Bk/Pg: 1124 09/05/2023 Township: 27 Range: 23 Section: 06 Sheet: 1 of 1 File: 85161KH7-PRELIMPLAT.dwg



DEMOLITION PLAN NOTES

- 1. THE CONTRACTOR IS RESPONSIBLE FOR THE DEMOLITION, REMOVAL, AND DISPOSAL (IN A LOCATION APPROVED BY ALL GOVERNING AUTHORITIES) ALL STRUCTURES, PADS, WALLS, FLUMES, FOUNDATIONS, PARKING, DRIVES, DRAINAGE STRUCTURES, UTILITIES, ETC. SUCH THAT THE IMPROVEMENTS ON THE PLANS CAN BE CONSTRUCTED. ALL FACILITIES TO BE REMOVED SHALL BE UNDERCUT TO SUITABLE MATERIAL AND BROUGHT TO GRADE WITH SUITABLE COMPACTED FILL MATERIAL PER THE SPECIFICATIONS.
- 2. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL DEBRIS FROM THE SITE AND DISPOSING THE DEBRIS IN A LAWFUL MANNER. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS REQUIRED FOR DEMOLITION AND DISPOSAL.
- 3. THE CONTRACTOR SHALL MAINTAIN ALL UTILITY SERVICES TO ADJACENT PROPERTIES AT ALL TIMES. UTILITY SERVICES SHALL NOT BE INTERRUPTED WITHOUT APPROVAL FROM THE CONSTRUCTION MANAGER AND COORDINATION WITH THE ADJACENT PROPERTIES AND/OR
- 4. THE CONTRACTOR SHALL COORDINATE WITH RESPECTIVE UTILITY COMPANIES PRIOR TO THE REMOVAL AND/OR RELOCATION OF UTILITIES. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANY CONCERNING PORTIONS OF WORK WHICH MAY BE PERFORMED BY THE UTILITY COMPANY'S FORCES AND ANY FEES WHICH ARE TO BE PAID TO THE UTILITY COMPANY FOR THEIR SERVICES. THE CONTRACTOR IS RESPONSIBLE FOR PAYING ALL FEES AND CHARGES. ENT SHALL NOT BE ALLOWED ON PUBLIC STREETS OR WITHIN PUBLIC RIGHT-OF-WAY.
- 6. ALL EXISTING SEWERS, PIPING AND UTILITIES SHOWN ARE NOT TO BE INTERPRETED AS THE EXACT LOCATION, OR AS ANY OBSTACLES THAT MAY OCCUR ON THE SITE. VERIFY EXISTING CONDITIONS AND PROCEED WITH CAUTION AROUND ANY ANTICIPATED FEATURES. GIVE NOTICE TO ALL UTILITY COMPANIES REGARDING DESTRUCTION AND REMOVAL OF ALL

SERVICE LINES AND CAP ALL LINES BEFORE PRECEDING WITH THE WORK.

FROM THE BEST INFORMATION AVAILABLE AND ARE GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THEIR ACCURACY. PRIOR TO THE START OF ANY DEMOLITION ACTIVITY, THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANIES FOR LOCATIONS OF EXISTING UTILITIES WITHIN ALL AREAS OF PROPOSED

- 7. ELECTRICAL, TELEPHONE, CABLE, WATER, FIBER OPTIC, AND/OR GAS LINES NEEDING TO BE REMOVED OR RELOCATED SHALL BE COORDINATED WITH THE AFFECTED UTILITY COMPANY. ADEQUATE TIME SHALL BE PROVIDED FOR RELOCATION AND CLOSE COORDINATION WITH THE UTILITY COMPANY IS NECESSARY TO PROVIDE A SMOOTH TRANSITION IN UTILITY SERVICE. CONTRACTOR SHALL PAY CLOSE ATTENTION TO EXISTING UTILITIES WITHIN ANY ROAD RIGHT-OF-WAY DURING CONSTRUCTION.
- 8. CONTRACTOR MUST PROTECT THE PUBLIC AT ALL TIMES WITH FENCING, BARRICADES, ENCLOSURES, ETC. (AND OTHER APPROPRIATE BEST MANAGEMENT PRACTICES) AS APPROVED BY THE CONSTRUCTION MANAGER. MAINTENANCE OF TRAFFIC CONTROL SHALL
- BE COORDINATED IN ACCORDANCE WITH BLOOMINGTON. 9. CONTINUOUS ACCESS SHALL BE MAINTAINED FOR THE SURROUNDING PROPERTIES AT ALL
- 10. PRIOR TO DEMOLITION OCCURRING, ALL EROSION CONTROL DEVICES ARE TO BE

TIMES DURING DEMOLITION OF THE EXISTING FACILITIES.

- 11. STORAGE OF MATERIALS OR EQUIPMENT SHALL NOT BE ALLOWED ON PUBLIC STREETS OR WITHIN PUBLIC RIGHT-OF-WAY.
- 12. CONTRACTOR MAY LIMIT SAW-CUT AND PAVEMENT REMOVAL TO ONLY THOSE AREAS WHERE IT IS REQUIRED AS SHOWN ON THESE CONSTRUCTION PLANS BUT IF ANY DAMAGE IS INCURRED ON ANY OF THE SURROUNDING PAVEMENT, ETC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ITS REMOVAL AND REPAIR.
- 13. DAMAGE TO ALL EXISTING CONDITIONS TO REMAIN WILL BE REPLACED AT CONTRACTORS
- 14. THE CONTRACTOR SHALL COORDINATE WATER MAIN WORK WITH THE FIRE DEPT. AND THE CITY UTILITY DEPARTMENT TO PLAN PROPOSED IMPROVEMENTS AND TO ENSURE ADEQUATE FIRE PROTECTION IS CONSTANTLY AVAILABLE TO THE SITE THROUGHOUT THIS SPECIFIC WORK AND THROUGH ALL PHASES OF CONSTRUCTION. CONTRACTOR WILL BE RESPONSIBLE FOR ARRANGING/PROVIDING ANY REQUIRED WATER MAIN SHUT OFFS WITH THE CITY OF BLOOMINGTON DURING CONSTRUCTION. ANY COSTS ASSOCIATED WITH WATER MAIN SHUT OFFS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR AND NO EXTRA COMPENSATION WILL BE PROVIDED.
- 15. REFER TO SURVEY FOR ALL EXISTING INVERT AND RIM ELEVATIONS.
- 16. ALL UTILITIES SHOWN ARE EXISTING UTILITIES.
- 17. IN THE EVENT A WELL IS FOUND, THE CONTRACTOR SHALL CONTACT THE ENGINEER. ALL WELLS SHALL BE SEALED BY A LICENSED WELL CONTRACTOR IN ACCORDANCE WITH ALL MINNESOTA REQUIREMENTS.
- 18. IN THE EVENT THAT UNKNOWN CONTAINERS OR TANKS ARE ENCOUNTERED, THE CONTRACTOR SHALL CONTACT THE CONSTRUCTION MANAGER IMMEDIATELY. ALL CONTAINERS SHALL BE DISPOSED OF AT A PERMITTED LANDFILL AND PER THE PROJECT
- 19. ALL CONSTRUCTION AND POST-CONSTRUCTION PARK AND STORAGE OF EQUIPMENT AND MATERIALS MUST BE ON-SITE. USE OF PUBLIC STREET FOR PRIVATE CONSTRUCTION PARKING, LOADING/UNLOADING, AND STORAGE WILL NOT BE ALLOWED.

PROPERTY LINE

REMOVE BUILDING

CLEARING & GRUBBING

REMOVE BITUMINOUS SURFACE REMOVE CONCRETE SURFACE

EXISTING OVERHEAD POWER LINE EXISTING CHAINLINK FENCE

EXISTING UNDERGROUND TELEPHONE

EXISTING UNDERGROUND CABLE

EXISTING J-BARRIER EXISTING RETAINING WALL EXISTING SANITARY SEWER

EXISTING STORM SEWER

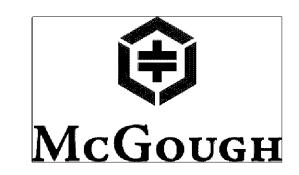
EXISTING WATERMAIN

EXISTING GAS MAIN

EXISTING CONTOUR

20. ALL UNUSED WATER SERVICES MUST BE PROPERLY ABANDONED AT THE MAIN. ALL UNUSED SANITARY SEWER SERVICES MUST BE PROPERLY ABANDONED AT THE PROPERTY LINE.

3001 AMERICAN BOULEVARD EAST BLOOMINGTON, MN



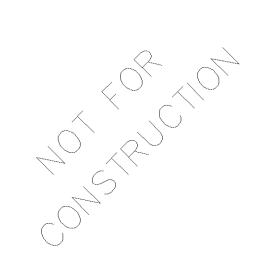


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Signature Thomas J. Lincoln Typed or Printed Name 21433 09-06-2023 License # Date

Kimley » Horn



LEGEND

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FULL DEPTH SAWCUT LIMITS OF DISTURBANCE (OFFSET FOR CLARITY) REMOVE TREE ·////////// REMOVE CONCRETE CURB & GUTTER · X · X · X · X · X · X · X · REMOVE UTILITY LINES FILL & ABANDON UTILITY LINES

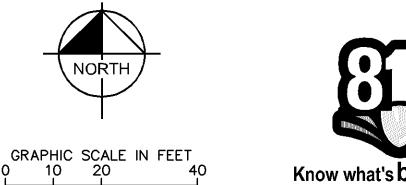
-----O-POW-----

_____ CTV _____

ZZi (Z) EXISTING METAL COVER EXISTING ELECTRICAL METER EXISTING AIR CONDITIONER

EXISTING SIGN EXISTING FLARED END SECTION EXISTING STORM MANHOLE EXISTING STORM CATCHBASIN EXISTING GAS METER EXISTING POST INDICATOR VALVE EXISTING WELL EXISTING AUTOMATIC SPRINKLER EXISTING ROOF DRAIN EXISTING GATE VALVE EXISTING HYDRANT

EXISTING TELEPHONE MANHOLE EXISTING CABLE BOX EXISTING GUY WIRE EXISTING POWER POLE EXISTING LIGHT POLE EXISTING TREE EXISTING TREE LINE





SCHEMATIC DESIGN

ORIGINAL ISSUE: 9/6/2023

REVISIONS:

No. Description 1 Pre-Application 9/6/2023

PROJECT NUMBER

KEY PLAN

BCS 5 **EXISTING CONDITIONS &** REMOVAL PLANS

C2.0

3001 AMERICAN BOULEVARD EAST BLOOMINGTON, MN



ARCHITECTURE & DESIGN

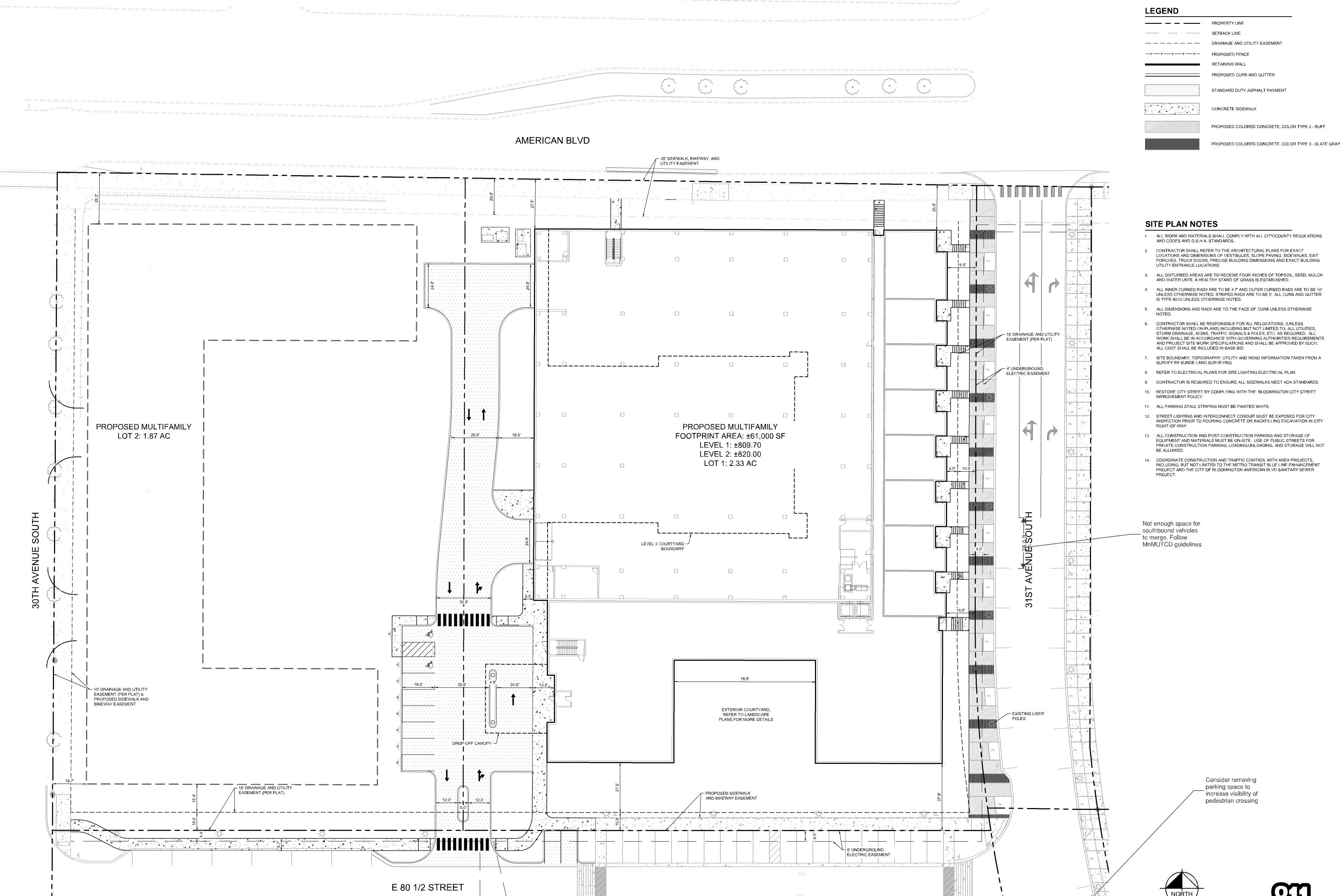
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Typed or Printed Name
21433 09-06-2023

Kimley»Horn





SCHEMATIC DESIGN

ORIGINAL ISSUE: 9/6/2023

REVISIONS:

No. Description

1 Pre-Application 9/6/2023 DRC

PROJECT NUMBER

KEY PLAN

BCS 5 OVERALL SITE PLAN

Call before you dig.

C3.0







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State of Minnesota.

Kimley»Horn



The total City Code requirement is 246 spaces. 221 spaces represents the requirement with a 10 percent reduction.

KEYNOTE LEGEND A EXISTING STREETLIGHT

LEGEND

TOTAL PROPERTY AREA

EXISTING IMPERVIOUS AREA

EXISTING PERVIOUS AREA

PROPOSED IMPERVIOUS AREA

PROPOSED PERVIOUS AREA

EXISTING ZONING

PROPOSED ZONING

PROPOSED LAND USE

TOTAL BUILDING AREA

REQUIRED PARKING

TOTAL PROPOSED PARKING

REQUIRED ACCESSIBLE PARKING

NET INCREASE IN IMPERVIOUS AREA

PERCENT OF TOTAL PROPERTY AREA

DISTURBED AREA

— — — — — DRAINAGE AND UTILITY EASEMENT

LIMITS OF DISTURBANCE (OFFSET FOR CLARITY)

PROPOSED COLORED CONCRETE; COLOR TYPE 2 - BUFF

PROPOSED COLORED CONCRETE; COLOR TYPE 3 - SLATE GRAY

2.327 AC / 101,355 SF

3.276 AC / 142,704 SF

1.756 AC / 76,484 SF

1.520 AC / 66,220 SF

1.957 AC / 85,243 SF

1.319 AC / 57,461 SF

0.201 AC / 8,759 SF

RESIDENTIAL

±276,500 SF

60.18%

221 SPACES

221 SPACES

7 STANDARD SPACES

2 VAN ACCESSIBLE

PROPOSED CURB AND GUTTER

CONCRETE SIDEWALK

PROPERTY SUMMARY

SITE DATA

BUILDING DATA

PARKING SUMMARY

STANDARD DUTY ASPHALT PAVMENT

-x-x-x-x-x- PROPOSED FENCE

SCHEMATIC DESIGN

ORIGINAL ISSUE: 9/6/2023

REVISIONS:

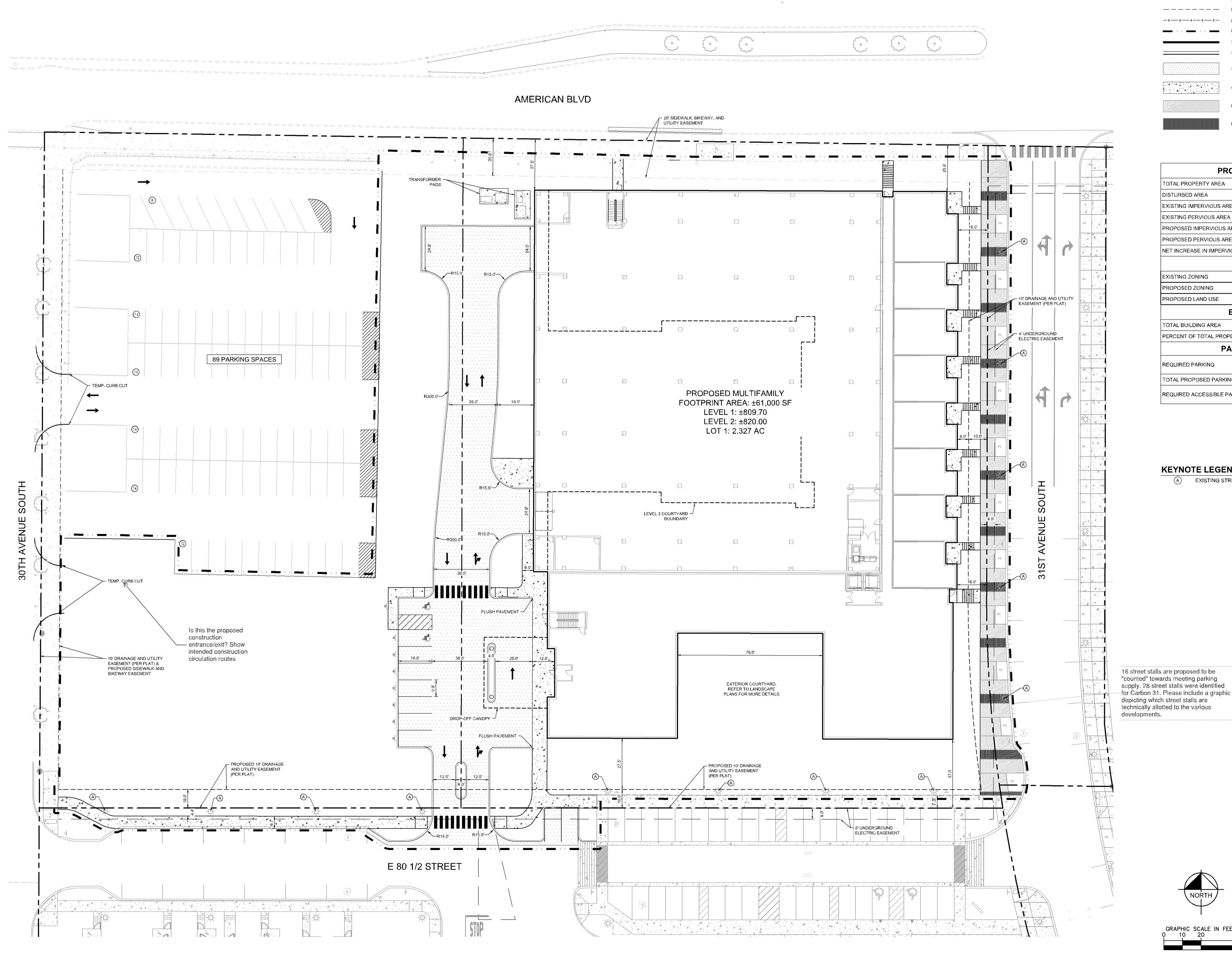
No. Description 1 Pre-Application 9/6/2023 DRC

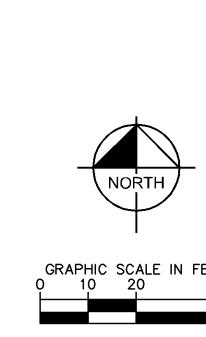
PROJECT NUMBER

KEY PLAN

BCS 5 ENLARGED SITE PLAN

C3.1







3001 AMERICAN BOULEVARD EAST BLOOMINGTON, MN



PROPOSED TOP/BOTTOM OF WALL ELEVATION I hereby certify that this plan, specification, or report was prepared by me or under my direct PROPOSED DRAINAGE DIRECTION supervision and that I am a duly licensed professional engineer under the laws of the State of Minnesota.

> Signature Thomas J. Lincoln Typed or Printed Name 21433 09-06-2023 License # Date

Kimley»Horn

Minneapolis, MN 55415

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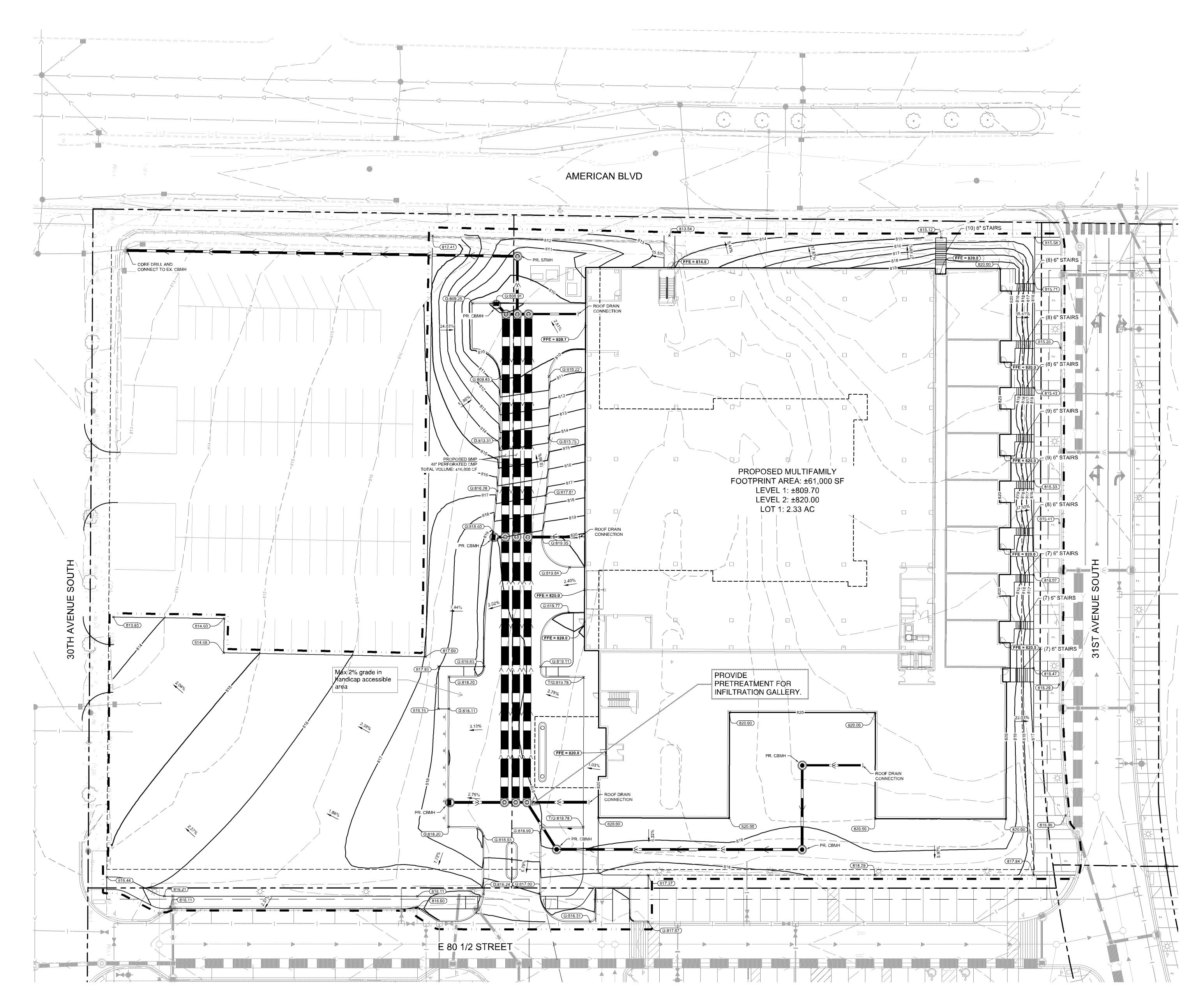
PROJECT NUMBER

GRADING & DRAINAGE PLAN

C4.0

KEY PLAN







LEGEND

GRADING PLAN NOTES

1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE CITY OF BLOOMINGTON, SPECIFICATIONS AND BUILDING PERMIT REQUIREMENTS.

PROPOSED GUTTER ELEVATION

MATCH EXISTING ELEVATION

PROPOSED TOP OF CURB ELEVATION

PROPOSED FLUSH PAVEMENT ELEVATION

PROPOSED EMERGENCY OVERFLOW ELEVATION

- 2. CONTRACTOR TO CALL GOPHER STATE CALL ONE @ <1-800-252-1166> AT LEAST TWO WORKING DAYS PRIOR TO EXCAVATION/CONSTRUCTION FOR UTILITY LOCATIONS. 3. CONTRACTOR TO FIELD VERIFY THE LOCATIONS AND ELEVATIONS OR EXISTING UTILITIES AND TOPOGRAPHIC FEATURES PRIOR TO THE START OF SITE GRADING. THE
- CONTRACTOR SHALL IMMEDIATELY NOTIFY THE PROJECT ENGINEER OF ANY DISCREPANCIES OR VARIATIONS. 4. SUBGRADE EXCAVATION SHALL BE BACKFILLED IMMEDIATELY AFTER EXCAVATION TO HELP OFFSET ANY STABILITY PROBLEMS DUE TO WATER SEEPAGE OR STEEP SLOPES. WHEN PLACING NEW SURFACE MATERIAL ADJACENT TO EXISTING PAVEMENT, THE
- 5. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL HORIZONTAL AND VERTICAL CONTROL.

EXCAVATION SHALL BE BACKFILLED PROMPTLY TO AVOID UNDERMINING OF EXISTING

- 6. CONTRACTOR SHALL EXCAVATE DRAINAGE TRENCHES TO FOLLOW PROPOSED STORM SEWER ALIGNMENTS.
- 7. GRADES SHOWN ARE FINISHED GRADES. CONTRACTOR SHALL ROUGH GRADE TO SUBGRADE ELEVATION AND LEAVE STREET READY FOR SUBBASE.
- 8. ALL EXCESS MATERIAL, BITUMINOUS SURFACING, CONCRETE ITEMS, ANY ABANDONED UTILITY ITEMS, AND OTHER UNSTABLE MATERIALS SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF OFF THE CONSTRUCTION SITE.
- REFER TO THE UTILITY PLAN FOR SANITARY SEWER MAIN, WATER MAIN SERVICE LAYOUT AND ELEVATIONS AND CASTING / STRUCTURE SCHEDULE.
- 10. CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTION OF PAVEMENTS AND CURB AND GUTTER WITH SMOOTH UNIFORM SLOPES WITH PROVIDE POSITIVE DRAINAGE. 11. INSTALL A MINIMUM OF 4" CLASS 5 AGGREGATE BASE UNDER CURB AND GUTTER.
- 12. UPON COMPLETION OF EXCAVATION AND FILLING, CONTRACTOR SHALL RESTORE ALL STREETS AND DISTURBED AREAS ON SITE. ALL DISTURBED AREAS SHALL BE RE-VEGETATED WITH A MINIMUM OF 4" OF TOPSOIL.
- 13. ALL SPOT ELEVATIONS/CONTOURS ARE TO FINISHED GRADE UNLESS OTHERWISE
- 14. ALL SPOT ELEVATIONS ARE TO FLOW LINE UNLESS OTHERWISE NOTED.
- 15. GRADING FOR ALL SIDEWALKS AND ACCESSIBLE ROUTES INCLUDING CROSSING DRIVEWAYS SHALL CONFORM TO CURRENT ADA STATE/NATIONAL STANDARDS. SLOPES SHALL NOT EXCEED 5% LONGITUDINALLY OR EXCEED 2% CROSS SLOPE. SIDEWALK ACCESS TO EXTERNAL BUILDING DOORS SHALL BE ADA COMPLIANT. CONTRACTOR
- 16. *MAINTAIN A MINIMUM OF 0.5% GUTTER SLOPE TOWARDS LOW POINTS. 17. CONTRACTOR TO PROVIDE 3" INSULATION BY 5' WIDE CENTERED ON STORM PIPE IF

SHALL NOTIFY ENGINEER IMMEDIATELY IF ADA CRITERIA CANNOT BE MET IN ANY

- LESS THAN 4' OF COVER IN PAVEMENT AREAS AND LESS THAN 3' OF COVER IN
- 18. ALL FILL MATERIAL IS TO BE IN PLACE, AND COMPACTED BEFORE INSTALLATION OF PROPOSED UTILITIES.
- 19. STORM SEWER PIPE SHALL BE AS FOLLOWS:
- 48" HDPE 8" 12" RCP PER ASTM C76 8" PVC ASTM PER D2321, ASTM D3034, SDR-26, OR AS INDICATED

CONNECT TO EX. 10"

PVC SSWR STUB

This Water Service is

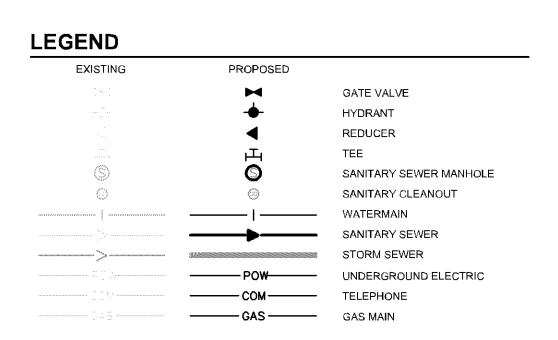
CONTRACTOR TO COORDINATE -

RESPECTIVE UTILITY PROVIDER

SERVICE CONNECTIONS WITH THE

COMMUNICATION, GAS, AND ELECTRIC

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UTILITY PLAN NOTES

- 1. ALL FILL MATERIAL IS TO BE IN PLACE, AND COMPACTED BEFORE INSTALLATION OF PROPOSED UTILITIES.
- 2. SANITARY SEWER PIPE SHALL BE AS FOLLOWS: 8" PVC SDR26 PER ASTM D 3034 8" PVC C-900 PER AWWA C900
- 6" PVC SCHEDULE 40 DUCTILE IRON PIPE PER AWWA C150
- WATER LINES SHALL BE AS FOLLOWS: 6" AND LARGER DUCTILE IRON PIPE PER AWWA C150 12" AND SMALLER USE CLASS 52 DIP
- A MINIMUM OF 8 MIL V-BIO ENHANCED POLYETHYLENE ENCASEMENT IS REQUIRED ON ALL DIP; WATER LINES SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MOST CURRENT EDITION OF CEAM SPECIFICATIONS

ALL DUCTILE IRON PIPE SHALL BE COATED WITH A LAYER OF ARC-SPRAYED ZINC PER ISO

4. MINIMUM TRENCH WIDTH SHALL BE 2 FEET.

BACKFILLING.

OF THE BUILDING.

- 5. ALL WATER JOINTS ARE TO BE MECHANICAL JOINTS WITH THRUST BLOCKING AS CALLED OUT
- 6. ALL UTILITIES SHOULD BE KEPT TEN (10') APART (PARALLEL) OR WHEN CROSSING 18" VERTICAL CLEARANCE (OUTSIDE EDGE OF PIPE TO OUTSIDE EDGE OF PIPE). CONTRACTOR SHALL MAINTAIN A MINIMUM OF 8'-0" COVER ON ALL WATERLINES.
- 8. IN THE EVENT OF A VERTICAL CONFLICT BETWEEN WATER LINES, SANITARY LINES, STORM LINES AND GAS LINES (EXISTING AND PROPOSED), THE SANITARY LINE SHALL BE SCH. 40 OR C900 WITH MECHANICAL JOINTS AT LEAST 10 FEET ON BOTH SIDES OF CROSSING, THE WATER

LINE SHALL HAVE MECHANICAL JOINTS WITH APPROPRIATE THRUST BLOCKING AS REQUIRED TO PROVIDE A MINIMUM OF 18" CLEARANCE. MEETING REQUIREMENTS OF ANSI A21.10 OR ANSI

- 21.11 (AWWA C-151) (CLASS 50). 9. LINES UNDERGROUND SHALL BE INSTALLED, INSPECTED AND APPROVED BEFORE
- 10. TOPS OF EXISTING MANHOLES SHALL BE RAISED AS NECESSARY TO BE FLUSH WITH PROPOSED PAVEMENT ELEVATIONS, AND TO BE ONE FOOT ABOVE FINISHED GROUND
- ELEVATIONS, IN GREEN AREAS, WITH WATERTIGHT LIDS. 11. ALL CONCRETE FOR ENCASEMENTS SHALL HAVE A MINIMUM 28 DAY COMPRESSION STRENGTH
- 12. EXISTING UTILITIES SHALL BE VERIFIED IN FIELD PRIOR TO INSTALLATION OF ANY NEW LINES. 13. REFER TO INTERIOR PLUMBING DRAWINGS FOR TIE-IN OF ALL UTILITIES.
- 14. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANIES AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH
- 15. CONTRACTOR IS RESPONSIBLE FOR ALL NECESSARY INSPECTIONS AND/OR CERTIFICATIONS REQUIRED BY CODES AND/OR UTILITY SERVICE COMPANIES.
- 16. CONTRACTOR SHALL COORDINATE WITH ALL UTILITY COMPANIES FOR INSTALLATION REQUIREMENTS AND SPECIFICATIONS.

CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.

- 17. REFER TO BUILDING PLANS FOR SITE LIGHTING ELECTRICAL PLAN.
- 18. BACKFLOW DEVICES (DDCV AND PRZ ASSEMBLIES) AND METERS ARE LOCATED IN THE INTERIOR OF THE BUILDING. REF. ARCH. PLANS. 19. CONTRACTOR IS RESPONSIBLE FOR COMPLYING TO THE SPECIFICATIONS OF THE LOCAL
- WATER AND SEWER LINES. 20. ALL ONSITE WATERMAINS AND SANITARY SEWERS SHALL BE PRIVATELY OWNED AND

AUTHORITIES BLOOMINGTON WITH REGARDS TO MATERIALS AND INSTALLATION OF THE

- 21. ALL WATERMAIN STUBOUTS SHALL BE MECHANICALLY RESTRAINED WITH REACTION
- 22. HDPE PIPE CONNECTIONS INTO ALL CONCRETE STRUCTURES MUST BE MADE WITH WATER TIGHT MATERIALS UTILIZING AN A-LOK OR WATERSTOP GASKET OR BOOT, CAST-IN-PLACE RUBBER BOOT, OR APPROVED EQUAL.
- 23. TAPS OF LIVE WATER MAINS ARE DONE BY CITY FORCES AND PAID FOR AND COORDINATED WITH THE CONTRACTOR. 24. UTILITY AND MECHANICAL CONTRACTORS MUST COORDINATE THE INSTALLATION OF ALL WATER AND SEWER SERVICE PIPES INTO THE BUILDING TO ACCOMMODATE CITY INSPECTION
- 25. COMBINATION FIRE AND DOMESTIC SERVICES MUST TERMINATE WITH A THREAD-ON FLANGE OR AN MJ TO FLANGE ADAPTER.
- 26. ALL COMPONENTS OF THE WATER SYSTEM, UP TO THE WATER METER OR FIRE SERVICE EQUIPMENT MUST UTILIZE PROTECTIVE INTERNAL COATINGS MEETING CURRENT ANSI/AWWA STANDARDS FOR CEMENT MORTAR LINING OR SPECIAL COATINGS. THE USE OF UNLINED OR UNCOATED PIPE IS NOT ALLOWED.
- 27. ALL UNUSED WATER SERVICES MUST BE PROPERLY ABANDONED AT THE MAIN. ALL UNUSED SANITARY SEWER SERVICES MUST PROPERLY ABANDONED AT THE PROPERTY LINE.
- 29. UTILITY PERMITS ARE REQUIRED FOR CONNECTIONS TO THE PUBLIC STORM, SANITARY, AND WATER SYSTEM. CONTACT UTILITIES (952-563-8777) FOR PERMIT INFORMATION.
- 30. WATER SERVICE(S) MUST BE METERED WITHIN 10' OF WHERE IT CROSSES THE OUTSIDE WALL





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report was prepared by me or under my direct supervision and that I am a duly licensed professional engineer under the laws of the

I hereby certify that this plan, specification, or

Thomas J. Lincoln Typed or Printed Name 21433 09-06-2023

Kimley»Horn



SCHEMATIC DESIGN

ORIGINAL ISSUE: 9/6/2023

REVISIONS:

1 Pre-Application 9/6/2023

PROJECT NUMBER

KEY PLAN

UTILITY PLAN

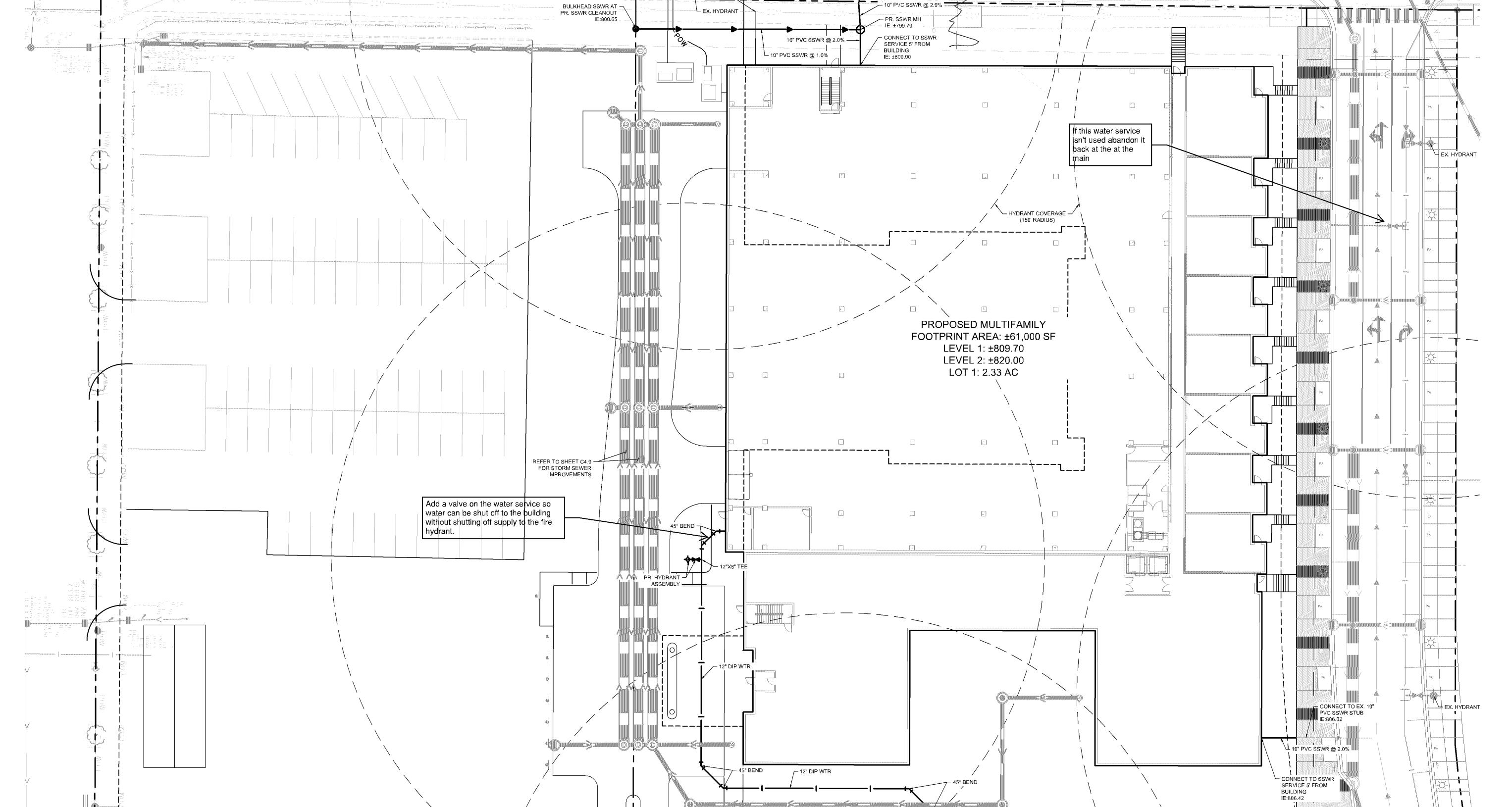
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Must meet 2020 MN State Building Code Building plans must be signed by a MN licensed architect. SAC review by MET council will be required. Must meet 2020 MN Accessibility Code.

Provide a detailed code analysis with the plans.

Separate permit and review by MN State Elevator inspector for elevators.

If there will be any alternate means requests - please schedule a meeting with City Plan Reviewer to discuss.

Hydrant coverage shall be provided within 50' of the FDC and within 150' of all portions of the structure.

Standpipes requirement in all stairwells and hose valves shall be located at the floor landing.

Emergency responder radio coverage shall meet appendix P of the MSFC and provided within structure.

Access shall be provided to/from all stairwells on all floors and parking levels.

Hose valves shall be provided throughout the lower level of the parking garage within 130' of all areas of the garage if dry standpipe or within 200 feet if installing a wet standpipe

All exterior doors that allow access to the interior of the building(s) shall be numbered in a sequential order starting with the main entrance (public entrance) as number 1 and continue in a clockwise manner.

Fire alarm panel(s), annunciator panel(s) and Knox box locations to be determined by the Fire Prevention Division.

PL202300156

BCS 5

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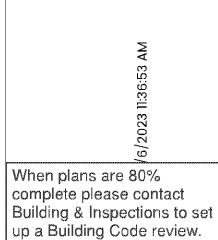
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Schematic Design

Date

McGough Provide adequate turning radius for all emergency vehicle access lanes. FUTURE TRANSFORMER— -TRANSFORMERS EXIT AT MID LANDING www.esgarch.com LOWER PARKING ENTRY———— Sig**n**ature Typed or Printed Name License # Date DRIVE DOWN FROM ABOVE — ORIGINAL ISSUE: 9/6/2023 **REVISIONS:** No. Description 1 Pre-Application DRC 9/6/2023 _____ BUILDING OUTLINE ABOVE — 223532.00 PROJECT NUMBER L______ **L**________ LOWER LEVEL OVERALL PLAN 1 LOWER LEVEL FLOOR PLAN
1/16" = 1'-0"



BCS 5

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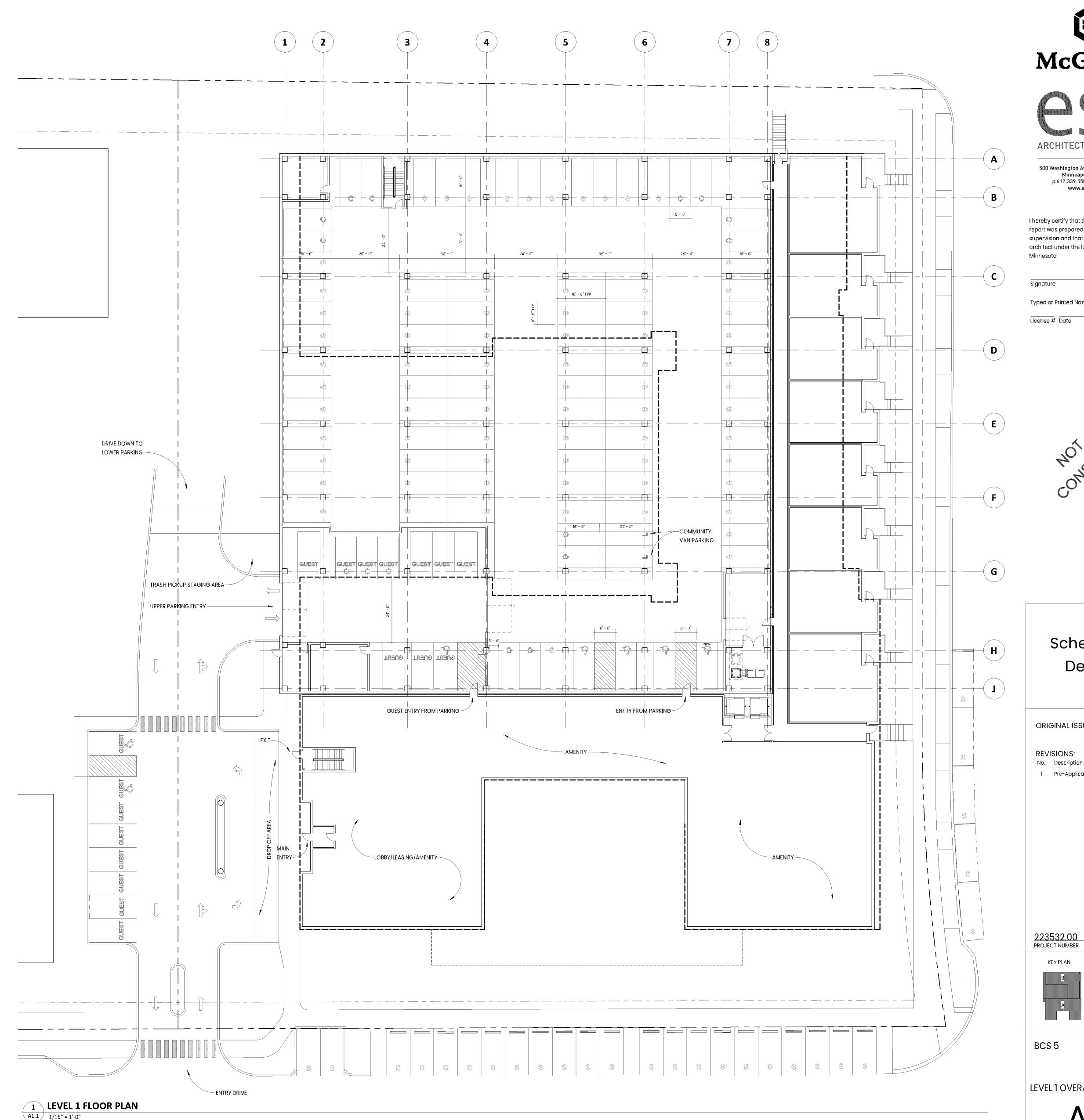
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REVISIONS:

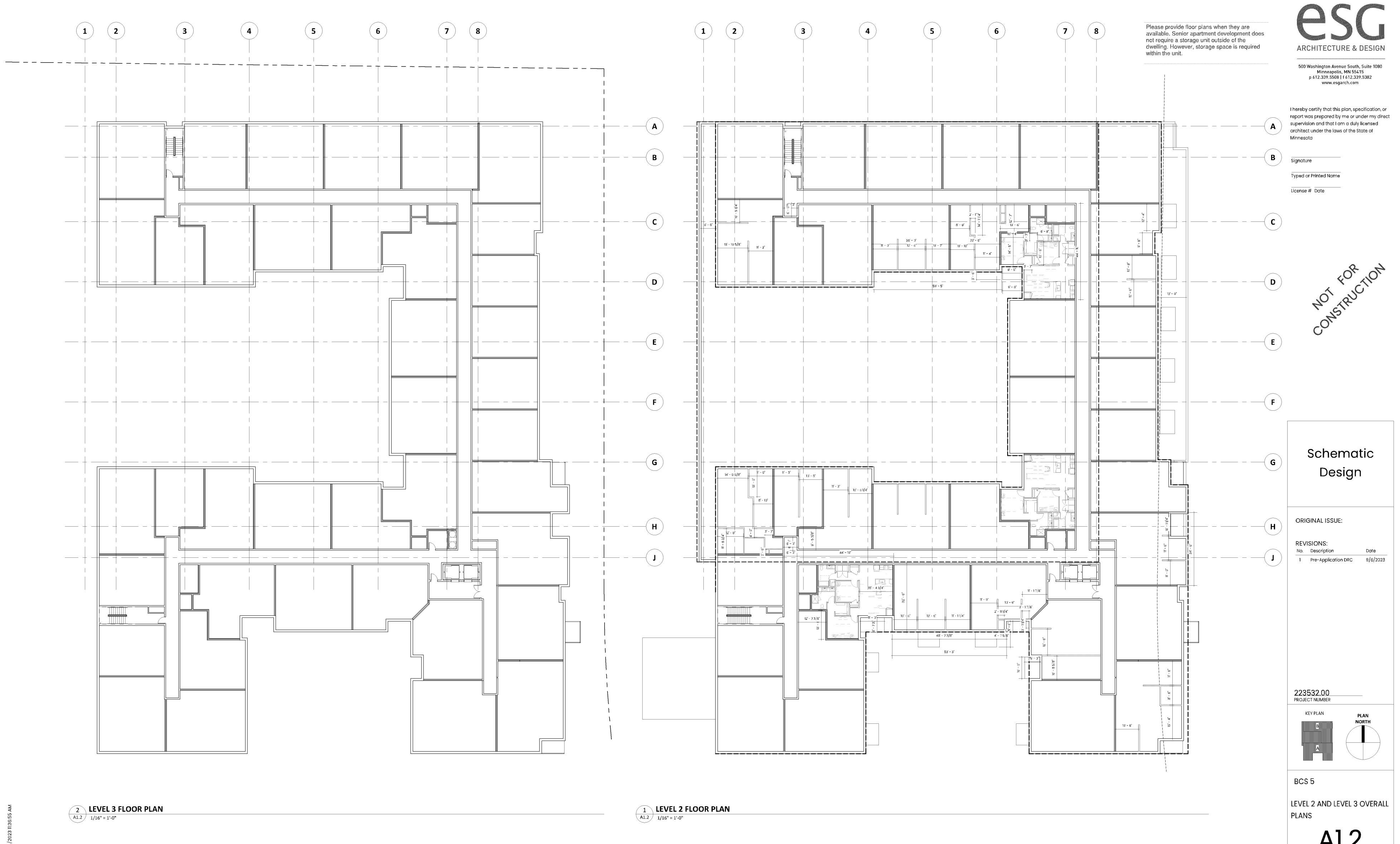
No. Description 1 Pre-Application DRC 9/6/2023

223532.00

LEVEL 1 OVERALL PLAN











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