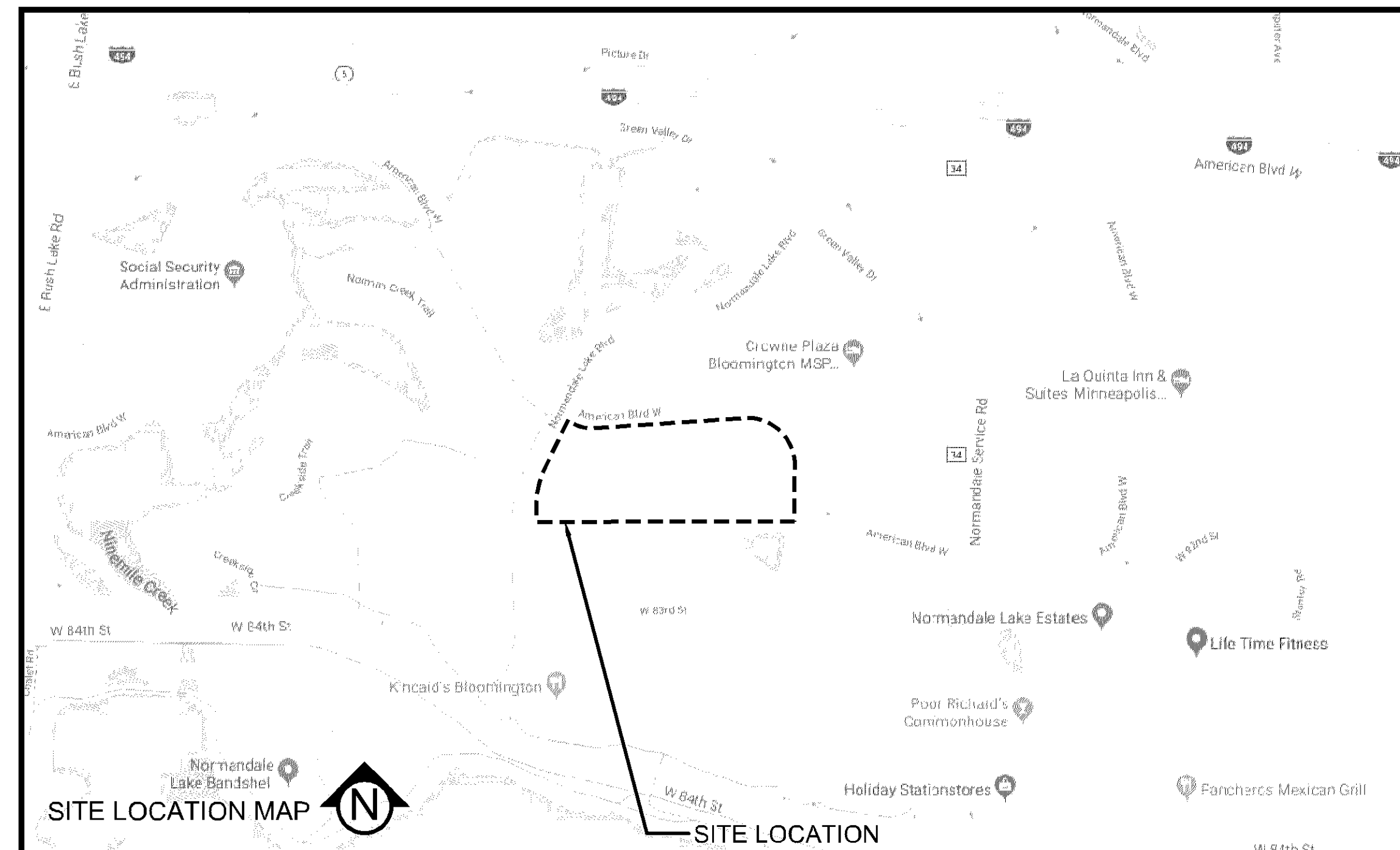


BLOOMINGTON, MINNESOTA
ISSUED FOR: CITY RESUBMITTAL

[illegible]

I HEREBY CERTIFY THAT THIS PLAN,
SPECIFICATION, OR REPORT WAS
PREPARED BY ME OR UNDER MY DIRECT
SUPERVISION AND THAT I AM A DULY
LICENSED PROFESSIONAL ENGINEER
UNDER THE LAWS OF THE STATE OF
MINNESOTA.


Matthew R. Pavak
DATE 03/20/20 LICENSE NO. 44263

[illegible]

DRAWN BY:BN REVIEWED BY: DK
PROJECT NUMBER: 17157.01

REVISION SUMMARY	
DATE	DESCRIPTION
*	*
*	*
*	*
*	*
*	*
*	*

C0.0

CERTIFICATE OF SURVEY

~for~ UNITED PROPERTIES
~of~ 5601 and 5501 American Boulevard

BENCHMARK:
MNDOT GSID STATION: CYRUS
ELEVATION: 841.94 (NAVD 88)

GRAPHIC SCALE
PL202000059
PL2020-39
1 INCH = 40 FEET

NORTH

GENERAL NOTES:

- Fee ownership is vested in United Land LLC, a Minnesota limited liability company. Parcel ID Number: 16-116-21-23-0005 (Lot 1) and 16-116-21-24-0008 (Lot 2).
- Address of the surveyed premises: 5601 (Lot 1) and 5501 American Boulevard, Bloomington, MN (Lot 2).
- Bearings shown hereon are based on the Hennepin County Coordinate System.
- Surveyed premises shown on this survey map is in Flood Zone X (Areas determined to be outside the 0.2% annual chance floodplain), according to Flood Insurance Rate Map Community No. 275230 Panel No. 0451 Suffix F by the Federal Emergency Management Agency, effective date November 4, 2016.
- Boundary area of the surveyed premises: 314,983± sq. ft. (7.23 acres).
- A zoning endorsement letter was not furnished to the surveyor. A search of the City of Bloomington's web site indicates that the surveyed premises shown on this survey is currently zoned C-4 (ZONING District). Under the applicable zoning regulations, the current building setbacks are:
Front = 35 feet
Side = 20 feet, 30 feet for buildings over 4 stories in height
Rear = 30 feet, 40 feet for buildings over 4 stories in height
For additional information contact the Planning Division at the City of Bloomington at (952) 563-8920.
- There are no marked or striped parking areas on-site.
- The surveyed premises has access to Normandale Lake Boulevard N., American Boulevard W. and Norman Center Drive, all public streets.
- Location of utilities existing on or serving the surveyed property determined by:
- Observed evidence collected pursuant to Section 5.E.iv.
- Record drawings provided by the City of Bloomington's engineering department. Excavations were not made during the process of this survey to locate underground utilities and/or structures. The location of underground utilities and/or structures may vary from locations shown hereon and additional underground utilities and/or structures may be encountered. Contact Gopher State One Call Notification Center at (651) 454-0002 for verification of utility type and field location, prior to excavation.
- Subsurface and environmental conditions were not examined or considered during the process of this survey. No statement is made concerning the existence of underground and/or overhead containers or facilities that may affect the use or development of the surveyed premises.
- Field survey was completed by E.G. Rud and Sons, Inc. on 4/2/18 and 4/23/18.
- Due to field work being completed during the winter season there may be improvements in addition to those shown that were not visible due to snow and ice conditions characteristic of Minnesota winters.
- Contours shown are a compilation of field measurements and MngEO lidar distribution.
- Old Republic National Title Insurance Company, Commitment No. 54252, Schedule B-II Survey Related Exceptions:
11. Easement for utilities and drainage as shown on the recorded plat of Josten's Addition. (Shown as a recital on the Certificate of Title)
NOTE: Portions of West 82nd Street have been vacated and are separately described as set forth in
Order filed June 3, 1981, as Document No. 1426896. (Surveyor's note: easements shown)
12. Subject to an easement for sidewalk and bikeway purposes, in favor of the City of Bloomington, as contained in Quit Claim Deed dated November 21, 1978, filed November 29, 1978, as Document No. 1305995 (Surveyor's note: easement shown); in Ordinance No. 80-9 adopted March 3, 1980, filed April 4, 1980, as Document No. 1376728; and as further evidenced in Order filed June 3, 1981, as Document No. 1426896. (Shown as recitals on the Certificate of Title)
13. Easements for sidewalk, bikeway, drainage and utility purposes, in favor of the City of Bloomington, a Minnesota municipal corporation, contained in Quit Claim Deed filed June 3, 1981, as Document No. 1426900.
NOTE: Date of the above Quit Claim Deed and Department of Property Taxation transfer stamp indicate June 4, 1981, yet the above Quit Claim Deed was filed June 3, 1981. (Surveyor's note: easement shown)
14. Terms and conditions of and easement contained in Grant of Easement for Temporary Access Purposes dated July 26, 2007, filed August 30, 2007, as Document No. 4420782. (Surveyor's note: Easement is expired and is not shown)
15. Terms and conditions of and easement for joint driveway purposes contained in Joint Driveway Easement Agreement dated July 26, 2007, filed August 30, 2007, as Document No. 4420783. Amended by Amendment to Joint Driveway Easement Agreement dated January 13, 2010, filed January 20, 2010, as Document No. T4722483. (Surveyor's note: easement shown)

REVISION SUMMARY

DATE	DESCRIPTION

SITE SURVEY

V1.0

DRAWN BY: BPN	JOB NO: 18190PP	DATE: 5/3/18
CHECK BY: JER	SCANNED <input type="checkbox"/>	
1 6/1/18	ADDED POND TOPO	BPN
2 6/21/18	ADDED INVERT SHOTS	BPN
3 1/8/19	ADDITIONAL STORM SEWER	BPN
4 7/15/19	REVISED STORM SEWER	BPN

LEGAL DESCRIPTION:

Lots 1 and 2, Block 1, JOSTEN'S ADDITION, Hennepin County, Minnesota.

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

Jason E. Rud
JASON E. RUD

Date: 7/15/19 License No. 41578

LEGEND

- DENOTES IRON MONUMENT FOUND AS LABELED
- DENOTES IRON MONUMENT SET, MARKED RLS# 41578
- △ DENOTES SET PKNAIL
- DENOTES SIGNAL POLE
- DENOTES CATCH BASIN
- DENOTES CABLE PEDESTAL
- DENOTES CURB STOP
- DENOTES ELECTRICAL BOX
- DENOTES ELECTRICAL MANHOLE
- DENOTES EXISTING SPOT ELEVATION
- DENOTES HAND HOLE
- DENOTES HYDRANT
- DENOTES SANITARY SEWER MANHOLE
- DENOTES SIGN
- ⑪ DENOTES SCHEDULE B2 EXCEPTION NUMBER

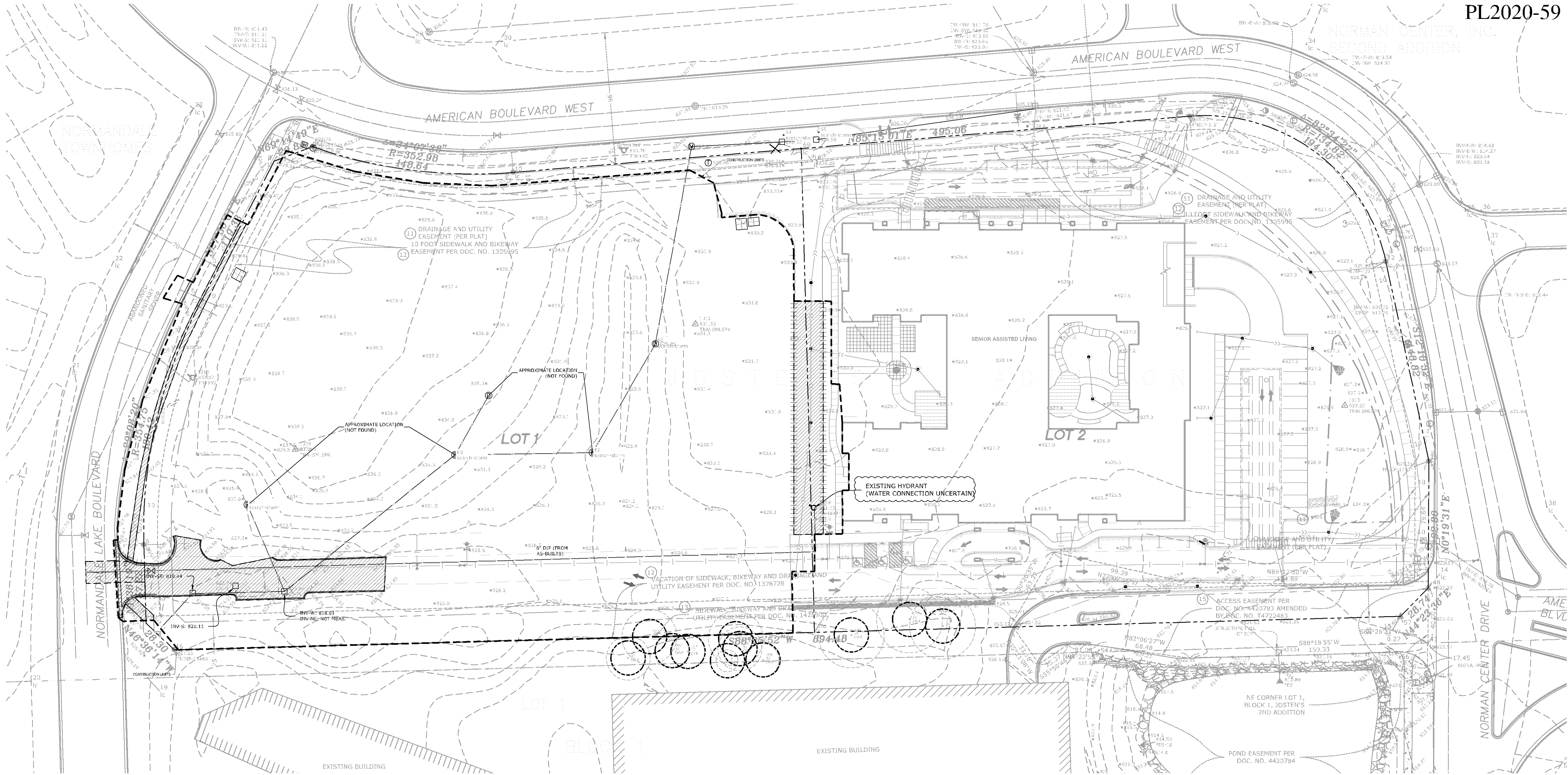
- DENOTES STORM SEWER APRON
- DENOTES TELEPHONE PEDESTAL
- DENOTES WATER VALVE
- DENOTES EXISTING CONTOURS
- DENOTES EXISTING SANITARY SEWER
- DENOTES EXISTING STORM SEWER
- DENOTES EXISTING WATER MAIN
- DENOTES BITUMINOUS SURFACE

TREE DETAIL

- DENOTES ELEVATION
- DENOTES TREE QUANTITY
- DENOTES TREE SIZE IN INCHES
- DENOTES TREE TYPE



E.G. RUD & SONS, INC.
Professional Land Surveyors
6776 Lake Drive NE, Suite 110
Lino Lakes, MN 55014
Tel. (651) 361-8200 Fax (651) 361-8701



EXISTING TREE INVENTORY:

SITE	PNT. NO	TYPE	CALIPER	REMOVED	NOTES
EAST	1014	OAK	20	X	
EAST	1015	BASSWOOD	16	X	
EAST	1016	CRABAPPLE	10	X	
EAST	1017	CRABAPPLE	10	X	
EAST	1018	CRABAPPLE	10	X	
EAST	1019	OAK	30		
EAST	1020	CRABAPPLE	10	X	
EAST	1021	CRABAPPLE	10	X	
EAST	1022	OAK	20	X	
EAST	1023	OAK	16	X	
EAST	1024	MAPLE	9	X	
WEST	1026	SPRUCE	10	X	
WEST	1027	SPRUCE	14	X	
WEST	1028	SPRUCE	14	X	
WEST	1029	MAPLE	12	X	
WEST	1030	MAPLE	12	X	
WEST	1031	PINE	20	X	
WEST	1032	ASH	24	X	
WEST	1033	SPRUCE	14		
WEST	1034	SPRUCE	9	X	
WEST	1035	SPRUCE	12		
WEST	1036	PINE	14		
WEST	1037	ASH	18		
WEST	1046	ASH	15	X	
WEST	1047	CRABAPPLE	4X10	X	
WEST	1319	ASH	24	X	
WEST	1320	SPRUCE	16		
TOTAL ON-SITE TREES			27		

EXISTING TREE REMOVAL CALCULATIONS:

REMOVALS	% OF SITE	% OF OVERALL
EAST	10	90.9%
WEST	11	68.8%
TOTAL REMOVALS		21
PRESERVATION		6
EAST	1	9.1%
WEST	5	31.3%
TOTAL PRESERVATION		6

SEE SHEETS C1.1 FOR PHASE 2 REMOVALS

SEE SHEET L1.0 FOR INCLUSION OF PRESERVED TREES INTO LANDSCAPE CALCULATIONS

REMOVAL NOTES:

- SEE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) PLAN FOR CONSTRUCTION STORM WATER MANAGEMENT PLAN.
- REMOVAL OF MATERIALS NOTED ON THE DRAWINGS SHALL BE IN ACCORDANCE WITH MNDOT, STATE AND LOCAL REGULATIONS.
- REMOVAL OF PRIVATE UTILITIES SHALL BE COORDINATED WITH UTILITY OWNER PRIOR TO CONSTRUCTION ACTIVITIES.
- EXISTING PAVEMENTS SHALL BE SAWCUT IN LOCATIONS AS SHOWN ON THE DRAWINGS OR THE NEAREST JOINT FOR PROPOSED PAVEMENT CONNECTIONS.
- REMOVED MATERIALS SHALL BE DISPOSED OF TO A LEGAL OFF-SITE LOCATION AND IN ACCORDANCE WITH STATE AND LOCAL REGULATIONS.
- ABANDON, REMOVAL, CONNECTION, AND PROTECTION NOTES SHOWN ON THE DRAWINGS ARE APPROXIMATE. COORDINATE WITH PROPOSED PLANS.
- EXISTING ON-SITE FEATURES NOT NOTED FOR REMOVAL SHALL BE PROTECTED THROUGHOUT THE DURATION OF THE CONTRACT.
- PROPERTY LINES SHALL BE CONSIDERED GENERAL CONSTRUCTION LIMITS UNLESS OTHERWISE NOTED ON THE DRAWINGS. WORK WITHIN THE GENERAL CONSTRUCTION LIMITS SHALL INCLUDE STAGING, DEMOLITION AND CLEAN-UP OPERATIONS AS WELL AS CONSTRUCTION SHOWN ON THE DRAWINGS.
- MINOR WORK OUTSIDE OF THE GENERAL CONSTRUCTION LIMITS SHALL BE ALLOWED AS SHOWN ON THE PLAN AND PER CITY REQUIREMENTS.
- DAMAGE BEYOND THE PROPERTY LIMITS CAUSED BY CONSTRUCTION ACTIVITY SHALL BE REPAIRED IN A MANNER APPROVED BY THE ENGINEER/LANDSCAPE ARCHITECT OR IN ACCORDANCE WITH THE CITY.
- PROPOSED WORK (BUILDING AND CIVIL) SHALL NOT DISTURB EXISTING UTILITIES UNLESS OTHERWISE SHOWN ON THE DRAWINGS AND APPROVED BY THE CITY PRIOR TO CONSTRUCTION.
- SITE SECURITY MAY BE NECESSARY AND PROVIDED IN A MANNER TO PROHIBIT VANDALISM, AND THEFT, DURING AND AFTER NORMAL WORK HOURS, THROUGHOUT THE DURATION OF THE CONTRACT. SECURITY MATERIALS SHALL BE IN ACCORDANCE WITH THE CITY.
- VEHICULAR ACCESS TO THE SITE SHALL BE MAINTAINED FOR DELIVERY AND INSPECTION ACCESS DURING NORMAL OPERATING HOURS. AT NO POINT THROUGHOUT THE DURATION OF THE CONTRACT SHALL CIRCULATION OF ADJACENT STREETS BE BLOCKED WITHOUT APPROVAL BY THE CITY PRIOR TO CONSTRUCTION ACTIVITIES.
- ALL TRAFFIC CONTROLS SHALL BE PROVIDED AND ESTABLISHED PER THE REQUIREMENTS OF THE MINNESOTA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND THE CITY. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO, SIGNAGE, BARRICADES, FLASHERS, AND FLAGGERS AS NEEDED. ALL PUBLIC STREETS SHALL REMAIN OPEN TO TRAFFIC AT ALL TIMES. NO ROAD CLOSURES SHALL BE PERMITTED WITHOUT APPROVAL BY THE CITY.
- SHORING FOR BUILDING EXCAVATION MAY BE USED AT THE DISCRETION OF THE CONTRACTOR AND AS APPROVED BY THE OWNERS REPRESENTATIVE AND THE CITY PRIOR TO CONSTRUCTION ACTIVITIES.
- STAGING, DEMOLITION, AND CLEAN-UP AREAS SHALL BE WITHIN THE PROPERTY LIMITS AS SHOWN ON THE DRAWINGS AND MAINTAINED IN A MANNER AS REQUIRED BY THE CITY.

CITY OF BLOOMINGTON REMOVAL NOTES:

- ALL REMOVALS IN EXISTING ROADWAYS MUST BE AT A LANE LINE. KEEP THE REMOVAL LIMITS OUT OF THE WHEEL PATHS.

EROSION CONTROL NOTES:

SEE SWPPP ON SHEETS SW1.0-SW1.6

REMOVALS LEGEND:

EX. 1' CONTOUR ELEVATION INTERVAL	
REMOVAL OF PAVEMENT AND ALL BASE MATERIAL, INCLUDING BIT., CONC., AND GRAVEL PMVTS.	
REMOVAL OF STRUCTURE INCLUDING ALL FOOTINGS AND FOUNDATIONS.	
REMOVE CURB AND GUTTER. IF IN RIGHT-OF-WAY, COORDINATE WITH LOCAL GOVERNING UNIT.	
TREE PROTECTION	
TREE REMOVAL - INCLUDING ROOTS AND STUMPS	



Know what's below.
Call before you dig.



1" = 40'-0"
20'-0" 0 40'-0"

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

Matthew R. Pavak
DATE: 03/20/20 LICENSE NO. 44263

ISSUE/SUBMITTAL SUMMARY

DATE	DESCRIPTION
10/08/19	CITY SUBMITTAL
10/30/19	CITY RESUBMITTAL
02/07/20	CITY RESUBMITTAL
02/24/20	WATERSHED SUBMITTAL
03/20/20	PERMIT SET

DRAWN BY: BN REVIEWED BY: DK
PROJECT NUMBER: 17157.01

REVISION SUMMARY

DATE	DESCRIPTION
12/17/18	EX. TREES INVENTORY & CALC.

REMOVALS PLAN - OVERALL

C1.0

PL202000059
PL2020-59

**THE POINTE BLOOMINGTON
- PHASE 2**

5601 & 5501 AMERICAN BOULEVARD WEST, BLOOMINGTON, MN, 55437

UNITED PROPERTIES, LLC

3600 AMERICAN BOULEVARD WEST, SUITE 750, BLOOMINGTON, MN 55431

PROJECT

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

Matthew R. Pavsek
Matthew R. Pavsek
DATE: 03/20/20 LICENSE NO. 44263

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DRAWN BY: BN REVIEWED BY: DK

PROJECT NUMBER: 17157.01

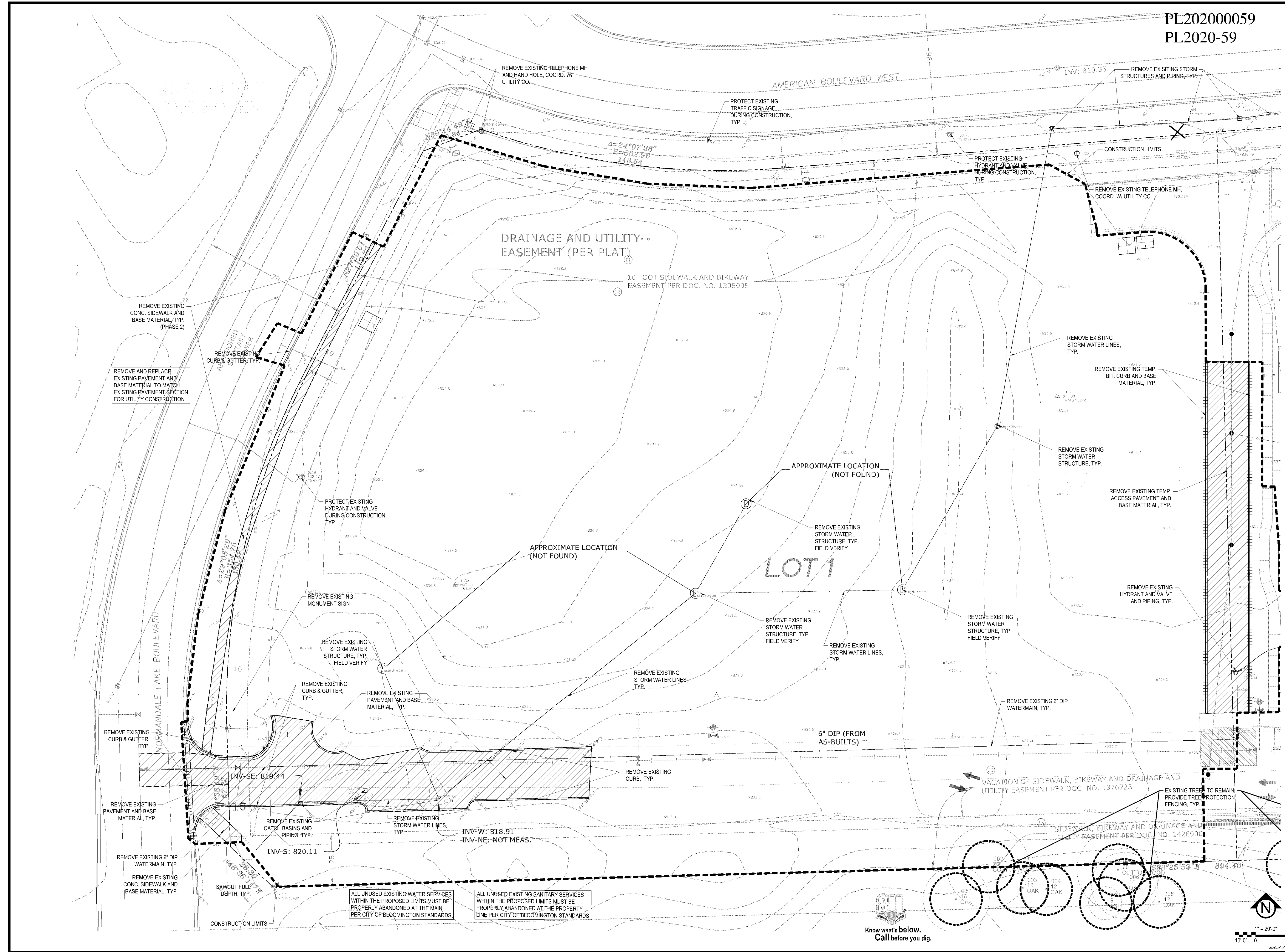
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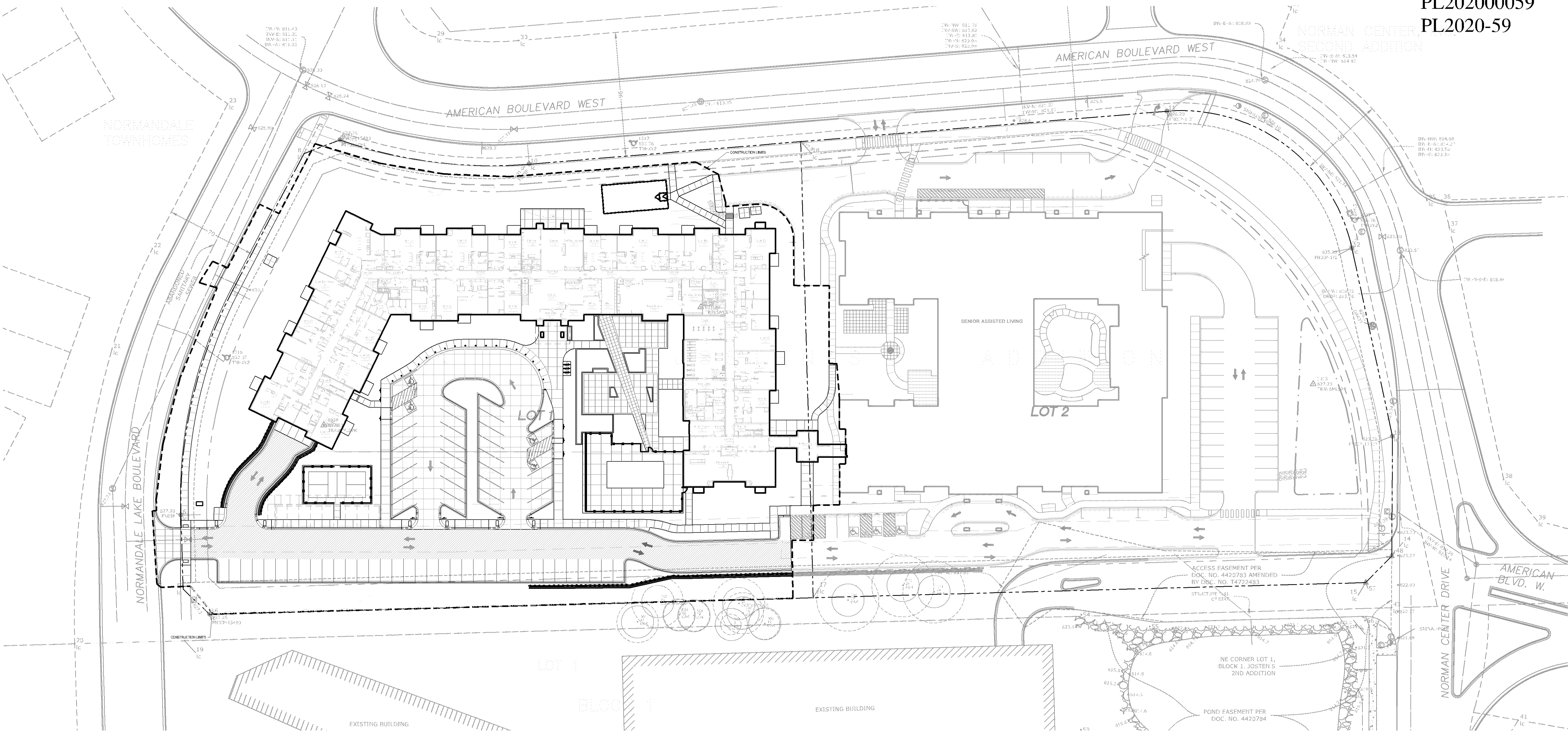
DATE	DESCRIPTION

**REMOVALS PLAN -
ENLARGEMENT**

C1.1

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PL202000059
PL2020-59

CivilSite
GROUP
Civil Engineering • Surveying • Landscaps Architecture
4931 W. 35th Street, Suite 200
St. Louis Park, MN 55416
civilsitegroup.com 612-615-0060

KW
Kraus
Wilson
architects

PROJECT

THE POINTE BLOOMINGTON
- PHASE 2

5601 & 5501 AMERICAN BOULEVARD WEST, BLOOMINGTON, MN, 55437

UNITED PROPERTIES, LLC

3600 AMERICAN BOULEVARD WEST, SUITE 750, BLOOMINGTON, MN 55431

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02/24/20	WATERSHED SUBMITTAL
03/20/20	PERMIT SET

DRAWN BY:BN	REVIEWED BY:DK
PROJECT NUMBER: 17157.01	

REVISION SUMMARY	
DATE	DESCRIPTION

SITE PLAN - OVERALL

C2.0

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SITE LAYOUT NOTES:

- CONTRACTOR SHALL VERIFY LOCATIONS AND LAYOUT OF ALL SITE ELEMENTS PRIOR TO BEGINNING CONSTRUCTION, INCLUDING BUT NOT LIMITED TO, LOCATIONS OF EXISTING AND PROPOSED PROPERTY LINES, EASEMENTS, SETBACKS, UTILITIES, BUILDINGS AND PAVEMENTS. CONTRACTOR IS RESPONSIBLE FOR FINAL LOCATIONS OF ALL ELEMENTS FOR THE SITE. ANY REVISIONS REQUIRED AFTER COMMENCEMENT OF CONSTRUCTION, DUE TO LOCATIONAL ADJUSTMENTS SHALL BE CORRECTED AT NO ADDITIONAL COST TO OWNER. ADJUSTMENTS TO THE LAYOUT SHALL BE APPROVED BY THE ENGINEER/LANDSCAPE ARCHITECT PRIOR TO INSTALLATION OF MATERIALS. STAKE LAYOUT FOR APPROVAL.
- THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS PRIOR TO CONSTRUCTION, INCLUDING A RIGHT-OF-WAY AND STREET OPENING PERMIT.
- THE CONTRACTOR SHALL VERIFY RECOMMENDATIONS NOTED IN THE GEO TECHNICAL REPORT PRIOR TO INSTALLATION OF SITE IMPROVEMENT MATERIALS.
- CONTRACTOR SHALL FIELD VERIFY COORDINATES AND LOCATION DIMENSIONS OF THE BUILDING AND STAKE FOR REVIEW AND APPROVAL BY THE OWNERS REPRESENTATIVE PRIOR TO INSTALLATION OF FOOTING MATERIALS.
- LOCATIONS OF STRUCTURES, ROADWAY PAVEMENTS, CURBS AND GUTTERS, BOLLARDS, AND WALKS ARE APPROXIMATE AND SHALL BE STAKED IN THE FIELD, PRIOR TO INSTALLATION, FOR REVIEW AND APPROVAL BY THE ENGINEER/LANDSCAPE ARCHITECT.
- CURB DIMENSIONS SHOWN ARE TO FACE OF CURB. BUILDING DIMENSIONS ARE TO FACE OF CONCRETE FOUNDATION. LOCATION OF BUILDING IS TO BUILDING FOUNDATION AND SHALL BE AS SHOWN ON THE DRAWINGS.
- THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OR SAMPLES AS SPECIFIED FOR REVIEW AND APPROVAL BY THE ENGINEER/LANDSCAPE ARCHITECT PRIOR TO FABRICATION FOR ALL PREFABRICATED SITE IMPROVEMENT MATERIALS SUCH AS, BUT NOT LIMITED TO THE FOLLOWING. FURNISHINGS, PAVEMENTS, WALLS, RAILINGS, BENCHES, FLAGPOLES, LANDING PADS FOR CURB RAMPS, AND LIGHT AND POLES. THE OWNER RESERVES THE RIGHT TO REJECT INSTALLED MATERIALS NOT PREVIOUSLY APPROVED.
- PEDESTRIAN CURB RAMPS SHALL BE CONSTRUCTED WITH TRUNCATED DOME LANDING AREAS IN ACCORDANCE WITH A.D.A. REQUIREMENTS-SEE DETAIL.
- CROSSWALK STRIPING SHALL BE 24" WIDE WHITE PAINTED LINE, SPACED 48" ON CENTER PERPENDICULAR TO THE FLOW OF TRAFFIC. WIDTH OF CROSSWALK SHALL BE 5' WIDE. ALL OTHER PAVEMENT MARKINGS SHALL BE WHITE IN COLOR UNLESS OTHERWISE NOTED OR REQUIRED BY ADA OR LOCAL GOVERNING BODIES.
- SEE SITE PLAN FOR CURB AND GUTTER TYPE. TAPER BETWEEN CURB TYPES-SEE DETAIL.
- ALL CURB RADII ARE MINIMUM 3' UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL REFER TO FINAL PLAT FOR LOT BOUNDARIES, NUMBERS, AREAS AND DIMENSIONS PRIOR TO SITE IMPROVEMENTS.
- FIELD VERIFY ALL EXISTING SITE CONDITIONS, DIMENSIONS.
- PARKING IS TO BE SET PARALLEL OR PERPENDICULAR TO EXISTING BUILDING UNLESS NOTED OTHERWISE.
- ALL PARKING LOT PAINT STRIPPING TO BE WHITE, 4" WIDE TYP.
- BITUMINOUS PAVING TO BE "LIGHT DUTY" UNLESS OTHERWISE NOTED. SEE DETAIL SHEETS FOR PAVEMENT SECTIONS.
- ALL TREES THAT ARE TO REMAIN ARE TO BE PROTECTED FROM DAMAGE WITH A CONSTRUCTION FENCE AT THE DRIP LINE. SEE LANDSCAPE DOCUMENTS.

CITY OF BLOOMINGTON SITE SPECIFIC NOTES:

- CONTRACTOR SHALL OBTAIN A PUBLIC WORKS PERMIT FOR OBSTRUCTIONS AND CONCRETE WORK WITHIN THE RIGHT-OF-WAY. PERMIT IS REQUIRED PRIOR TO REMOVALS OR INSTALLATION. CONTACT SEAN JENKINS (952-563-4545, SJENKINS@BLOOMINGTONMN.GOV) FOR PERMIT INFORMATION.
- ALL CONSTRUCTION AND POST CONSTRUCTION PARKING SHALL AND STORAGE OF EQUIPMENT AND MATERIALS MUST BE ON-SITE. USE OF PUBLIC STREETS FOR PRIVATE CONSTRUCTION PARKING, LOADING/UNLOADING AND STORAGE WILL NOT BE ALLOWED.

SITE AREA TABLE:

SITE AREA CALCULATIONS				
	EXISTING CONDITION		PROPOSED CONDITION	
BUILDING COVERAGE	0 SF	0.0%	39,817 SF	24.9%
ALL PAVEMENTS	17,663 SF	11.1%	56,808 SF	35.5%
ALL NON-PAVEMENTS	142,165 SF	88.9%	63,203 SF	39.5%
TOTAL SITE AREA	159,828 SF	100.0%	159,828 SF	100.0%

IMPERVIOUS SURFACE			
EXISTING CONDITION	17,663 SF	11.1%	
PROPOSED CONDITION	96,625 SF	60.5%	
DIFFERENCE (EX. VS PROP.)	78,962 SF	49.4%	

SITE PLAN LEGEND:

- LIGHT DUTY BITUMINOUS PAVEMENT. SEE GEOTECHNICAL REPORT FOR AGGREGATE BASE & WEAR COURSE DEPTH. SEE DETAIL.
- HEAVY DUTY BITUMINOUS PAVEMENT. SEE GEOTECHNICAL REPORT FOR AGGREGATE BASE & WEAR COURSE DEPTH. SEE DETAIL.
- CONCRETE PAVEMENT AS SPECIFIED (PAD OR WALK) SEE GEOTECHNICAL REPORT FOR AGGREGATE BASE & CONCRETE DEPTHS. SEE DETAIL.
- PROPOSED SOIL AMENDMENTS
- PROPERTY LINE
- CONSTRUCTION LIMITS
- CURB AND GUTTER-SEE NOTES (T.O.) TIP OUT GUTTER WHERE APPLICABLE-SEE PLAN
- TRAFFIC DIRECTIONAL ARROW PAVEMENT MARKINGS
- SIGN AND POST ASSEMBLY. SHOP DRAWINGS REQUIRED.
HC = ACCESSIBLE SIGN
NP = NO PARKING FIRE LANE
ST = STOP
CP = COMPACT CAR PARKING ONLY


811
Know what's below.
Call before you dig.

1" = 40'-0"
20'-0" 0 40'-0"

UNITED PROPERTIES, LLC

3600 AMERICAN BOULEVARD WEST, SUITE 750, BLOOMINGTON, MN 55431

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Matthew R. Pavek
DATE 03/20/20 LICENSE NO. 44263

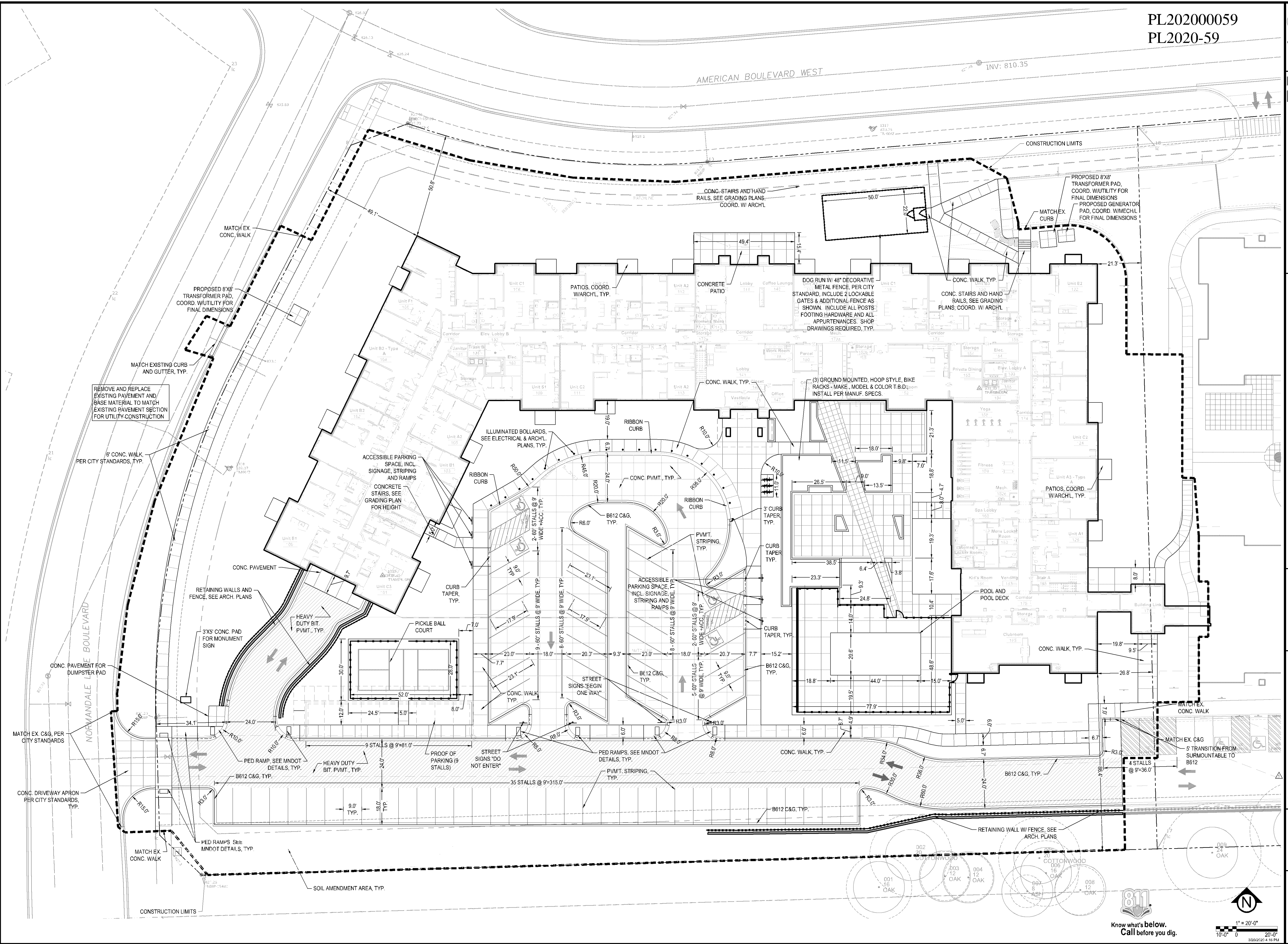
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03/26/20	PERMIT SET

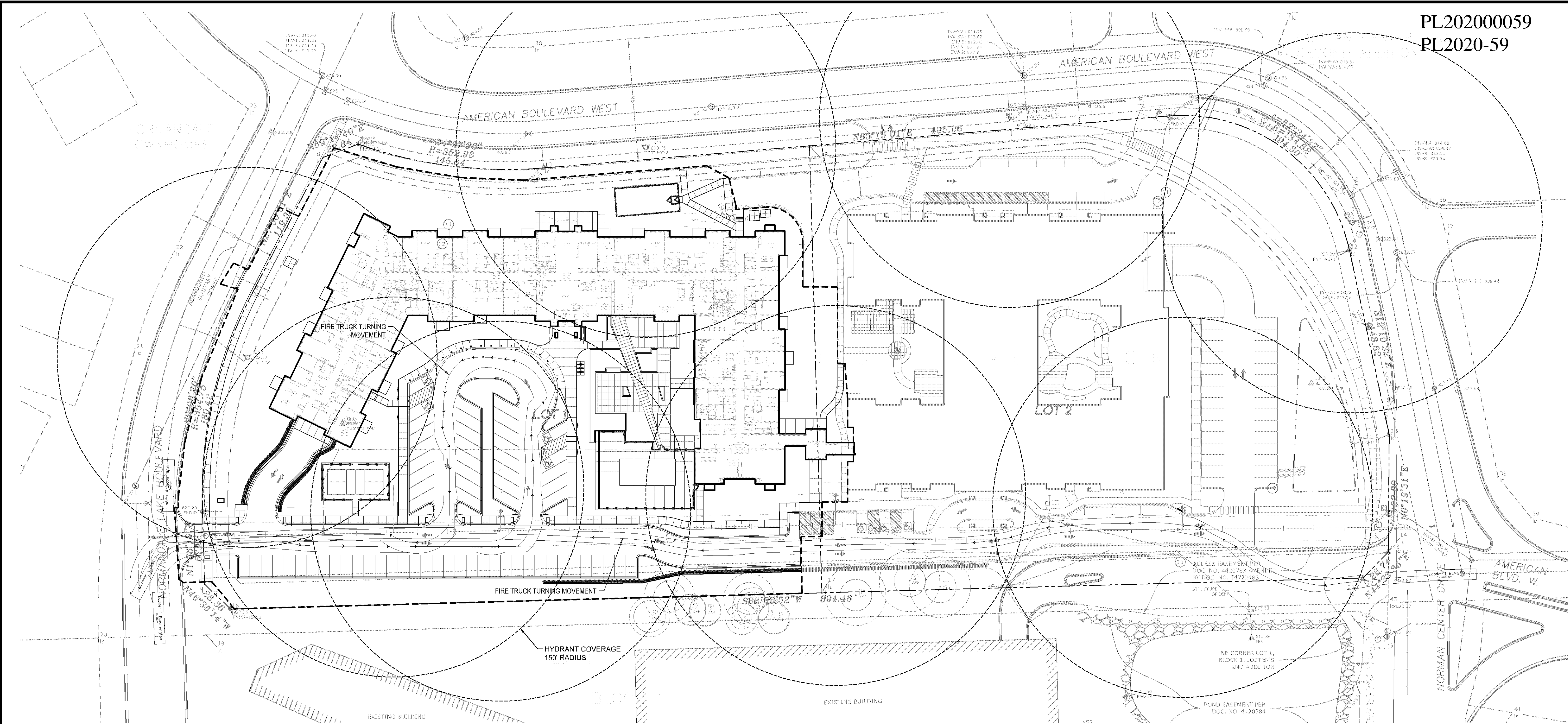
REVISION SUMMARY	
DATE	DESCRIPTION

SITE PLAN -
ENLARGEMENT

C2.1

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FIRE TRUCK TURNING MOVEMENT AND HYDRANT COVERAGE

PL202000059
PL2020-59

CivilSite
GROUP
Civil Engineering - Surveying - Landscape Architecture
4931 W. 35th Street, Suite 200
St. Louis Park, MN 55416
civilsitegroup.com 612-615-0960

KW
kaas
wilson
architects

PROJECT

THE PONTE BLOOMINGTON
- PHASE 2

5601 & 5501 AMERICAN BOULEVARD WEST, BLOOMINGTON, MN, 55437

UNITED PROPERTIES, LLC

3600 AMERICAN BOULEVARD WEST, SUITE 750, BLOOMINGTON, MN 55431

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Matthew R. Pavuk
Matthew R. Pavuk
DATE 03/20/20 LICENSE NO. 44283

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02/24/20	WATERSHED SUBMITTAL
03/20/20	PERMIT SET

DRAWN BY:BN REVIEWED BY:DK
PROJECT NUMBER: 17157.01

REVISION SUMMARY	
DATE	DESCRIPTION

TURNING MOVEMENTS
AND HYDRANT
SPACING - OVERALL

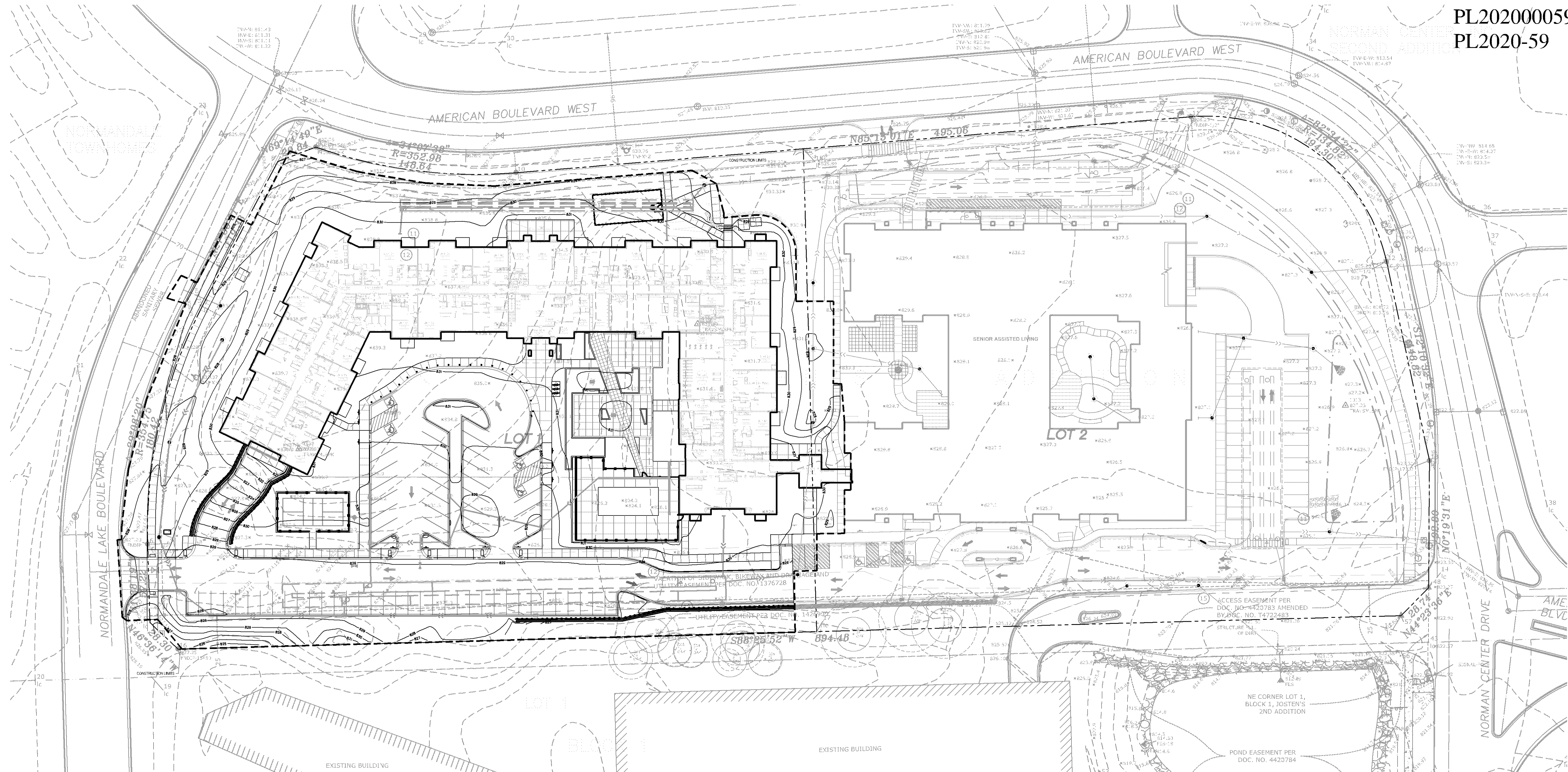
C2.2



Know what's below.
Call before you dig.



1" = 40'-0"
20'-0" 0 40'-0"



GENERAL GRADING NOTES:

- SEE SITE PLAN FOR HORIZONTAL LAYOUT & GENERAL GRADING NOTES.
- THE CONTRACTOR SHALL COMPLETE THE SITE GRADING CONSTRUCTION (INCLUDING BUT NOT LIMITED TO SITE PREPARATION, SOIL CORRECTION, EXCAVATION, EMBANKMENT, ETC.) IN ACCORDANCE WITH THE REQUIREMENTS OF THE OWNER'S SOILS ENGINEER. ALL SOIL TESTING SHALL BE COMPLETED BY THE OWNER'S SOILS ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL REQUIRED SOIL TESTS AND INSPECTIONS WITH THE SOILS ENGINEER.
- GRADING AND EXCAVATION ACTIVITIES SHALL BE PERFORMED IN ACCORDANCE WITH THE NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT REQUIREMENTS & PERMIT REQUIREMENTS OF THE CITY.
- PROPOSED SPOT GRADES ARE FLOW-LINE FINISHED GRADE ELEVATIONS, UNLESS OTHERWISE NOTED.
- GRADES OF WALKS SHALL BE INSTALLED WITH 5% MAX. LONGITUDINAL SLOPE AND 1% MIN. AND 2% MAX. CROSS SLOPE, UNLESS OTHERWISE NOTED.
- PROPOSED SLOPES SHALL NOT EXCEED 3:1 UNLESS INDICATED OTHERWISE ON THE DRAWINGS. MAXIMUM SLOPES IN MAINTAINED AREAS IS 4:1
- PROPOSED RETAINING WALLS, FREESTANDING WALLS, OR COMBINATION OF WALL TYPES GREATER THAN 4' IN HEIGHT SHALL BE DESIGNED AND ENGINEERED BY A REGISTERED RETAINING WALL ENGINEER. DESIGN DRAWINGS SHALL BE SUBMITTED FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE OF GRADE STAKES THROUGHOUT THE DURATION OF CONSTRUCTION TO ESTABLISH PROPER GRADES. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR A FINAL FIELD CHECK OF FINISHED GRADES ACCEPTABLE TO THE ENGINEER/LANDSCAPE ARCHITECT PRIOR TO TOPSOIL AND SODDING ACTIVITIES.
- IF EXCESS OR SHORTAGE OF SOIL MATERIAL EXISTS, THE CONTRACTOR SHALL TRANSPORT ALL EXCESS SOIL MATERIAL OFF THE SITE TO AN AREA SELECTED BY THE CONTRACTOR, OR IMPORT SUITABLE MATERIAL TO THE SITE.
- EXCAVATE TOPSOIL FROM AREAS TO BE FURTHER EXCAVATED OR REGRADED AND STOCKPILE IN AREAS DESIGNATED ON THE SITE. THE CONTRACTOR SHALL SALVAGE ENOUGH TOPSOIL FOR RESPREADING ON THE SITE AS SPECIFIED. EXCESS TOPSOIL SHALL BE PLACED IN EMBANKMENT AREAS, OUTSIDE OF BUILDING PADS, ROADWAYS AND PARKING AREAS. THE CONTRACTOR SHALL SUBCUT AREAS, WHERE TURF IS TO BE ESTABLISHED, TO A DEPTH OF 6 INCHES. RESPREAD TOPSOIL IN AREAS WHERE TURF IS TO BE ESTABLISHED TO A MINIMUM DEPTH OF 6 INCHES.
- FINISHED GRADING SHALL BE COMPLETED. THE CONTRACTOR SHALL UNIFORMLY GRADE AREAS

- WITHIN LIMITS OF GRADING, INCLUDING ADJACENT TRANSITION AREAS. PROVIDE A SMOOTH FINISHED SURFACE WITHIN SPECIFIED TOLERANCES, WITH UNIFORM LEVELS OR SLOPES BETWEEN POINTS WHERE ELEVATIONS ARE SHOWN, OR BETWEEN SUCH POINTS AND EXISTING GRADES. AREAS THAT HAVE BEEN FINISH GRADED SHALL BE PROTECTED FROM SUBSEQUENT CONSTRUCTION OPERATIONS, TRAFFIC AND EROSION. REPAIR ALL AREAS THAT HAVE BECOME RUTTED BY TRAFFIC OR ERODED BY WATER OR HAS SETTLED BELOW THE CORRECT GRADE. ALL AREAS DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED TO EQUAL OR BETTER THAN ORIGINAL CONDITION OR TO THE REQUIREMENTS OF THE NEW WORK.
- PRIOR TO PLACEMENT OF THE AGGREGATE BASE, A TEST ROLL WILL BE REQUIRED ON THE STREET AND/OR PARKING AREA SUBGRADE. THE CONTRACTOR SHALL PROVIDE A LOADED TANDEM AXLE TRUCK WITH A GROSS WEIGHT OF 25 TONS. THE TEST ROLLING SHALL BE AT THE DIRECTION OF THE SOILS ENGINEER AND SHALL BE COMPLETED IN AREAS AS DIRECTED BY THE SOILS ENGINEER. THE SOILS ENGINEER SHALL DETERMINE WHICH SECTIONS OF THE STREET OR PARKING AREA ARE UNSTABLE. CORRECTION OF THE SUBGRADE SOILS SHALL BE COMPLETED IN ACCORDANCE WITH THE REQUIREMENTS OF THE SOILS ENGINEER. NO TEST ROLL SHALL OCCUR WITHIN 10' OF ANY UNDERGROUND STORM RETENTION/DETENTION SYSTEMS.
 - TOLERANCES
 - THE BUILDING SUBGRADE FINISHED SURFACE ELEVATION SHALL NOT VARY BY MORE THAN 0.30 FOOT ABOVE, OR 0.30 FOOT BELOW, THE PRESCRIBED ELEVATION AT ANY POINT WHERE MEASUREMENT IS MADE.
 - THE STREET OR PARKING AREA SUBGRADE FINISHED SURFACE ELEVATION SHALL NOT VARY BY MORE THAN 0.05 FOOT ABOVE, OR 0.10 FOOT BELOW, THE PRESCRIBED ELEVATION OF ANY POINT WHERE MEASUREMENT IS MADE.
 - AREAS WHICH ARE TO RECEIVE TOPSOIL SHALL BE GRADED TO WITHIN 0.30 FOOT ABOVE OR BELOW THE REQUIRED ELEVATION, UNLESS DIRECTED OTHERWISE BY THE ENGINEER.
 - TOPSOIL SHALL BE GRADED TO PLUS OR MINUS 1/2 INCH OF THE SPECIFIED THICKNESS.
 - MAINTENANCE
 - THE CONTRACTOR SHALL PROTECT NEWLY GRADED AREAS FROM TRAFFIC AND EROSION, AND KEEP AREA FREE OF TRASH AND DEBRIS.
 - CONTRACTOR SHALL REPAIR AND REESTABLISH GRADES IN SETTLED, ERODED AND RUTTED AREAS TO SPECIFIED TOLERANCES, DURING THE CONSTRUCTION, IF REQUIRED, AND DURING THE WARRANTY PERIOD, ERODED AREAS WHERE TURF IS TO BE ESTABLISHED SHALL BE RESEEDDED AND MULCHED.
 - WHERE COMPLETED COMPACTED AREAS ARE DISTURBED BY SUBSEQUENT CONSTRUCTION OPERATIONS OR ADVERSE WEATHER, CONTRACTOR SHALL SCARIFY, SURFACE, RESHAPE, AND COMPACT TO REQUIRED DENSITY PRIOR TO FURTHER CONSTRUCTION.

EROSION CONTROL NOTES:

SEE SWPPP ON SHEETS SW1.0-SW1.6

GROUNDWATER INFORMATION:

PER GEOTECHNICAL REPORT BY BRAUN INTERTEC CORP., DATED 06-25-15 GROUNDWATER WAS OBSERVED AT ELEVATIONS RANGING FROM 791.60 TO 810.60

THE BORINGS & GROUNDWATER ARE AS FOLLOWS:

ST-105	805.10	ST-8	791.60
ST-106	787.90	ST-9	793.40
ST-107	800.30	ST-11	796.80
ST-1	791.80	ST-13	798.00
ST-2	810.60	ST-14	798.40
ST-3	799.00	ST-15	793.50

CITY OF BLOOMINGTON GRADING NOTES:

- RESERVED FOR CITY SPECIFIC GRADING NOTES.

GRADING PLAN LEGEND:

1125	EX 1' CONTOUR ELEVATION INTERVAL
1137	1.0' CONTOUR ELEVATION INTERVAL
41.26	SPOT GRADE ELEVATION (GUTTER/FLOW LINE UNLESS OTHERWISE NOTED)
891.00 G	SPOT GRADE ELEVATION GUTTER
891.00 TC	SPOT GRADE ELEVATION TOP OF CURB
891.00 BS/TS	SPOT GRADE ELEVATION BOTTOM OF STAIRS/TOP OF STAIRS
	CURB AND GUTTER (T.O. = TIP OUT)
EO#1135.52	EMERGENCY OVERFLOW



PL202000059
PL2020-59



PROJECT
**THE PONTE BLOOMINGTON
- PHASE 2**
5601 & 5501 AMERICAN BOULEVARD WEST, BLOOMINGTON, MN, 55437
UNITED PROPERTIES, LLC
3600 AMERICAN BOULEVARD WEST, SUITE 750, BLOOMINGTON, MN 55431

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

Matthew R. Pavsek
DATE 03/20/20 LICENSE NO. 44283

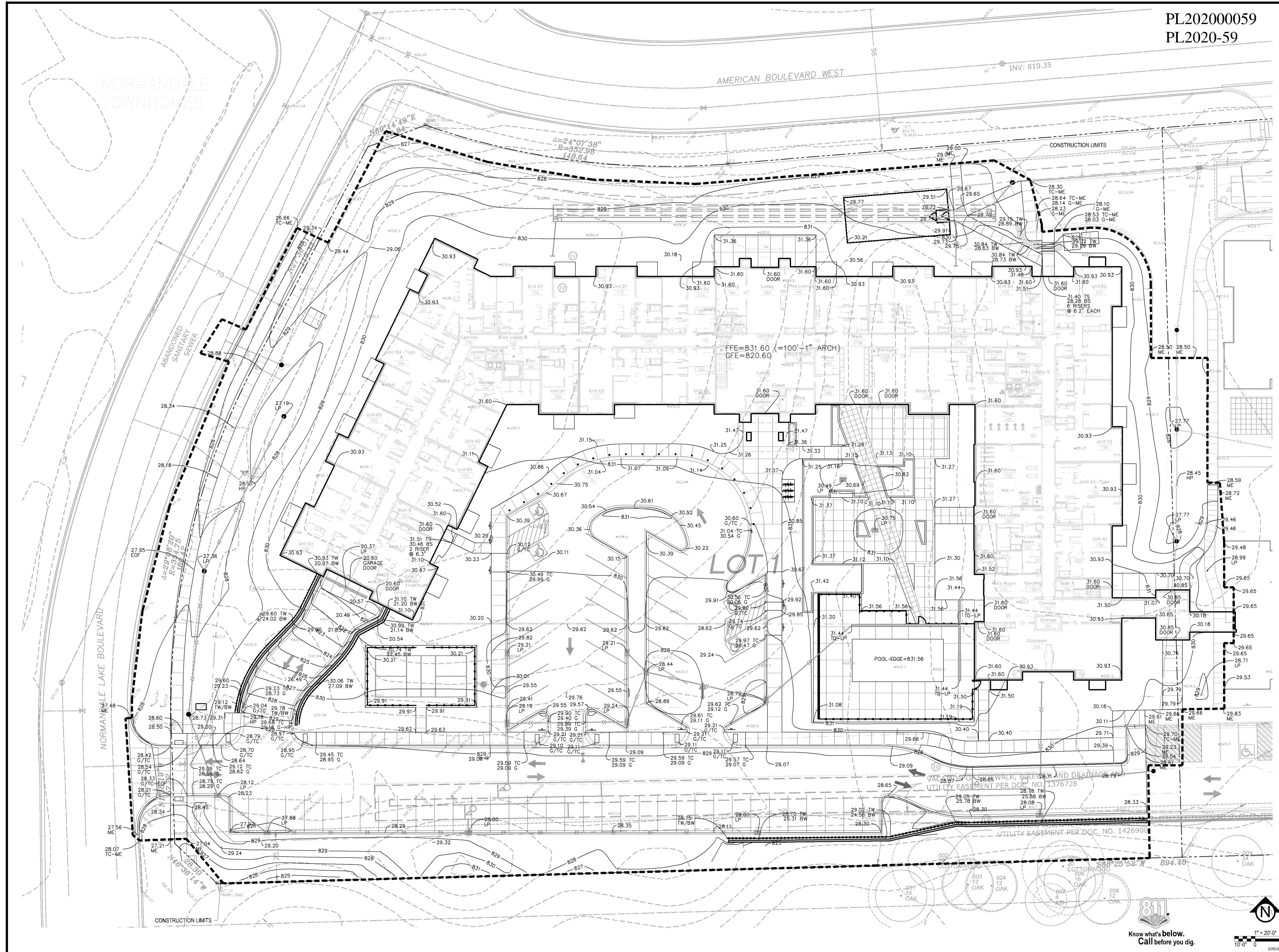
ISSUE/SUBMITTAL SUMMARY	
DATE	DESCRIPTION
10/08/18	CITY SUBMITTAL
10/30/19	CITY RESUBMITTAL
02/07/20	CITY RESUBMITTAL
02/24/20	WATERSHED SUBMITTAL
03/20/20	PERMIT SET

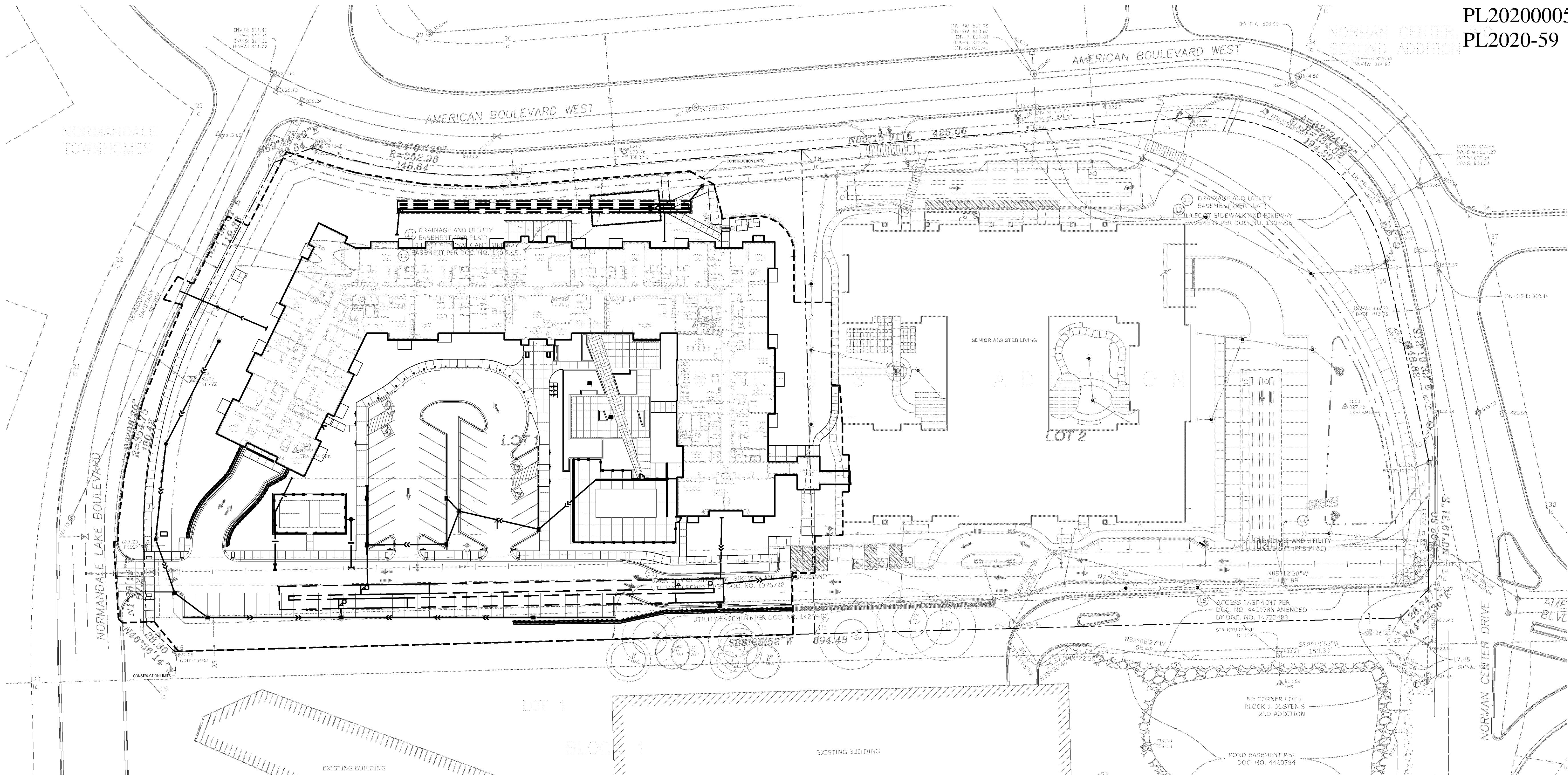
DRAWN BY:BN REVIEWED BY:DK
PROJECT NUMBER: 17157.01

REVISION SUMMARY	
DATE	DESCRIPTION

GRADING PLAN -
OVERALL

C3.0





GENERAL UTILITY NOTES:

- SEE SITE PLAN FOR HORIZONTAL DIMENSIONS AND LAYOUT.
- CONTRACTOR SHALL FIELD VERIFY LOCATION AND ELEVATION OF EXISTING UTILITIES AND TOPOGRAPHIC FEATURES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF DISCREPANCIES OR VARIATIONS FROM THE PLANS.
- ALL EXISTING UTILITY LOCATIONS SHOWN ARE APPROXIMATE. CONTACT "GOPHER STATE ONE CALL" (851-454-0002 OR 800-252-1166) FOR UTILITY LOCATIONS, 48 HOURS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL REPAIR OR REPLACE ANY UTILITIES THAT ARE DAMAGED DURING CONSTRUCTION AT NO COST TO THE OWNER.
- UTILITY INSTALLATION SHALL CONFORM TO THE CURRENT EDITION OF "STANDARD SPECIFICATIONS FOR WATER MAIN AND SERVICE LINE INSTALLATION" AND "SANITARY SEWER AND STORM SEWER INSTALLATION" AS PREPARED BY THE CITY ENGINEERS ASSOCIATION OF MINNESOTA (CEAM), AND SHALL CONFORM WITH THE REQUIREMENTS OF THE CITY AND THE PROJECT SPECIFICATIONS.
- CASTINGS SHALL BE SALVAGED FROM STRUCTURE REMOVALS AND RE-USED OR PLACED AT THE DIRECTION OF THE OWNER.
- ALL WATER PIPE SHALL BE CLASS 52 DUCTILE IRON PIPE (DIP) AWWA C151, ASME B16.4, AWWA C110, AWWA C153 UNLESS OTHERWISE NOTED.
- ALL SANITARY SEWER SHALL BE SDR 26 POLYVINYL CHLORIDE (PVC) ASTM D3034 & F879, OR SCH 40 ASTM D1785, 2665, ASTM F794, 1866) UNLESS OTHERWISE NOTED.
- ALL STORM SEWER PIPE SHALL BE HDPE ASTM F714 & F2306 WITH ASTM D3212 SPEC FITTINGS UNLESS OTHERWISE NOTED.
- PIPE LENGTHS SHOWN ARE FROM CENTER TO CENTER OF STRUCTURE OR TO END OF FLARED END SECTION.
- UTILITIES ON THE PLAN ARE SHOWN TO WITHIN 5' OF THE BUILDING FOOTPRINT. THE CONTRACTOR IS ULTIMATELY RESPONSIBLE FOR THE FINAL CONNECTION TO BUILDING LINES. COORDINATE WITH ARCHITECTURAL AND MECHANICAL PLANS.
- CATCH BASINS AND MANHOLES IN PAVED AREAS SHALL BE SUMPED 0.04 FEET. ALL CATCH BASINS IN GUTTERS SHALL BE SUMPED 0.15 FEET PER DETAILS. RIM ELEVATIONS SHOWN ON THIS PLAN DO NOT REFLECT SUMPED ELEVATIONS.
- ALL FIRE HYDRANTS SHALL BE LOCATED 5 FEET BEHIND BACK OF CURB UNLESS OTHERWISE NOTED.
- HYDRANT TYPE, VALVE, AND CONNECTION SHALL BE IN ACCORDANCE WITH CITY REQUIREMENTS. HYDRANT EXTENSIONS ARE INCIDENTAL.
- A MINIMUM OF 8 FEET OF COVER IS REQUIRED OVER ALL WATERMAIN, UNLESS OTHERWISE NOTED. EXTRA DEPTH MAY BE REQUIRED TO MAINTAIN A MINIMUM OF 18" VERTICAL SEPARATION TO SANITARY OR STORM SEWER LINES. EXTRA DEPTH WATERMAIN IS INCIDENTAL.
- A MINIMUM OF 18 INCHES OF VERTICAL SEPARATION AND 10 FEET OF HORIZONTAL SEPARATION IS REQUIRED FOR ALL UTILITIES, UNLESS OTHERWISE NOTED.
- ALL CONNECTIONS TO EXISTING UTILITIES SHALL BE IN ACCORDANCE WITH CITY STANDARDS AND COORDINATED WITH THE CITY PRIOR TO CONSTRUCTION.
- CONNECTIONS TO EXISTING STRUCTURES SHALL BE CORE-DRILLED.

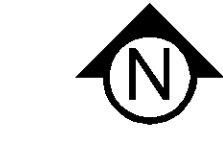
- COORDINATE LOCATIONS AND SIZES OF SERVICE CONNECTIONS WITH THE MECHANICAL DRAWINGS.
- COORDINATE INSTALLATION AND SCHEDULING OF THE INSTALLATION OF UTILITIES WITH ADJACENT CONTRACTORS AND CITY STAFF.
- ALL STREET REPAIRS AND PATCHING SHALL BE PERFORMED PER THE REQUIREMENTS OF THE CITY. ALL PAVEMENT CONNECTIONS SHALL BE SAWCUT. ALL TRAFFIC CONTROLS SHALL BE PROVIDED BY THE CONTRACTOR AND SHALL BE ESTABLISHED PER THE REQUIREMENTS OF THE MINNESOTA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MMUTCD) AND THE CITY. THIS SHALL INCLUDE BUT NOT BE LIMITED TO: SIGNAGE, BARRICADES, FLASHERS, AND FLAGGERS AS NEEDED. ALL PUBLIC STREETS SHALL BE OPEN TO TRAFFIC AT ALL TIMES. NO ROAD CLOSURES SHALL BE PERMITTED WITHOUT APPROVAL BY THE CITY.
- ALL STRUCTURES, PUBLIC AND PRIVATE, SHALL BE ADJUSTED TO PROPOSED GRADES WHERE REQUIRED. THE REQUIREMENTS OF ALL OWNERS MUST BE COMPLIED WITH. STRUCTURES BEING RESET TO PAVED AREAS MUST MEET OWNERS REQUIREMENTS FOR TRAFFIC LOADING.
- CONTRACTOR SHALL COORDINATE ALL WORK WITH PRIVATE UTILITY COMPANIES.
- CONTRACTOR SHALL COORDINATE CONNECTION OF IRRIGATION SERVICE TO UTILITIES. COORDINATE THE INSTALLATION OF IRRIGATION SLEEVES NECESSARY AS TO NOT IMPACT INSTALLATION OF UTILITIES.
- CONTRACTOR SHALL MAINTAIN AS-BUILT PLANS THROUGHOUT CONSTRUCTION AND SUBMIT THESE PLANS TO ENGINEER UPON COMPLETION OF WORK.
- ALL JOINTS AND CONNECTIONS IN STORM SEWER SYSTEM SHALL BE GASTIGHT OR WATERTIGHT. APPROVED RESILIENT RUBBER JOINTS MUST BE USED TO MAKE WATERTIGHT CONNECTIONS TO MANHOLES, CATCHBASINS, OR OTHER STRUCTURES.
- ALL PORTIONS OF THE STORM SEWER SYSTEM LOCATED WITHIN 10 FEET OF THE BUILDING OR WATER SERVICE LINE MUST BE TESTED IN ACCORDANCE WITH MN RULES, CHAPTER 4714, SECTION 1109.0.

CITY OF BLOOMINGTON UTILITY NOTES:

- HDPE PIPE CONNECTIONS INTO ALL CONCRETE STRUCTURES MUST BE MADE WITH TIGHT MATERIALS UTILIZING AN A-LOK OR WATERSTOP GASKET OR BOOT, CAST-IN-PLACE RUBBER BOOT, APPROVED EQUAL. WHERE THE ALIGNMENT PRECLUDES THE USE OF THE ABOVE APPROVED WATERTIGHT METHODS, CONSEAL 231 WATERSTOP SEALANT, OR APPROVED EQUAL WILL ONLY BE ALLOWED AS APPROVED BY THE ENGINEER.
- UTILITY PERMITS ARE REQUIRED FOR CONNECTIONS TO THE PUBLIC STORM, SANITARY AND WATER SYSTEM. CONTACT THE UTILITIES DEPARTMENT FOR PERMIT INFORMATION (952-563-8777).
- ALL SANITARY SEWER MANHOLES MUST HAVE AN INTERIOR CHIMNEY SEAL INSTALLED.
- ALL UNUSED WATER SERVICES MUST BE PROPERLY ABANDONED AT THE MAIN.
- A MINIMUM OF 8 MIL. POLYWRAP IS REQUIRED ON ALL DIP WATER MAIN.
- UTILITY AND MECHANICAL CONTRACTORS MUST COORDINATE THE INSTALLATION OF ALL WATER AND SEWER SERVICE PIPES INTO THE BUILDING TO ACCOMMODATE CITY INSPECTION AND TESTING.
- 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.
- TAPS OF LIVE WATER MAINS ARE DONE BY CITY FORCES AND PAID FOR AND COORDINATED WITH THE CONTRACTOR.

UTILITY LEGEND:

- | | |
|--|--------------------------|
| | CATCH BASIN |
| | MANHOLE |
| | GATE VALVE AND VALVE BOX |
| | PROPOSED FIRE HYDRANT |
| | WATER MAIN |
| | SANITARY SEWER |
| | STORM SEWER |
| | FES AND RIP RAP |



PL202000059
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PROJECT

THE PONTE BLOOMINGTON
- PHASE 2

5601 & 5501 AMERICAN BOULEVARD WEST, BLOOMINGTON, MN, 55437

UNITED PROPERTIES, LLC

3600 AMERICAN BOULEVARD WEST, SUITE 750, BLOOMINGTON, MN 55431

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

Matthew R. Pavik
DATE 03/20/20 LICENSE NO. 44263

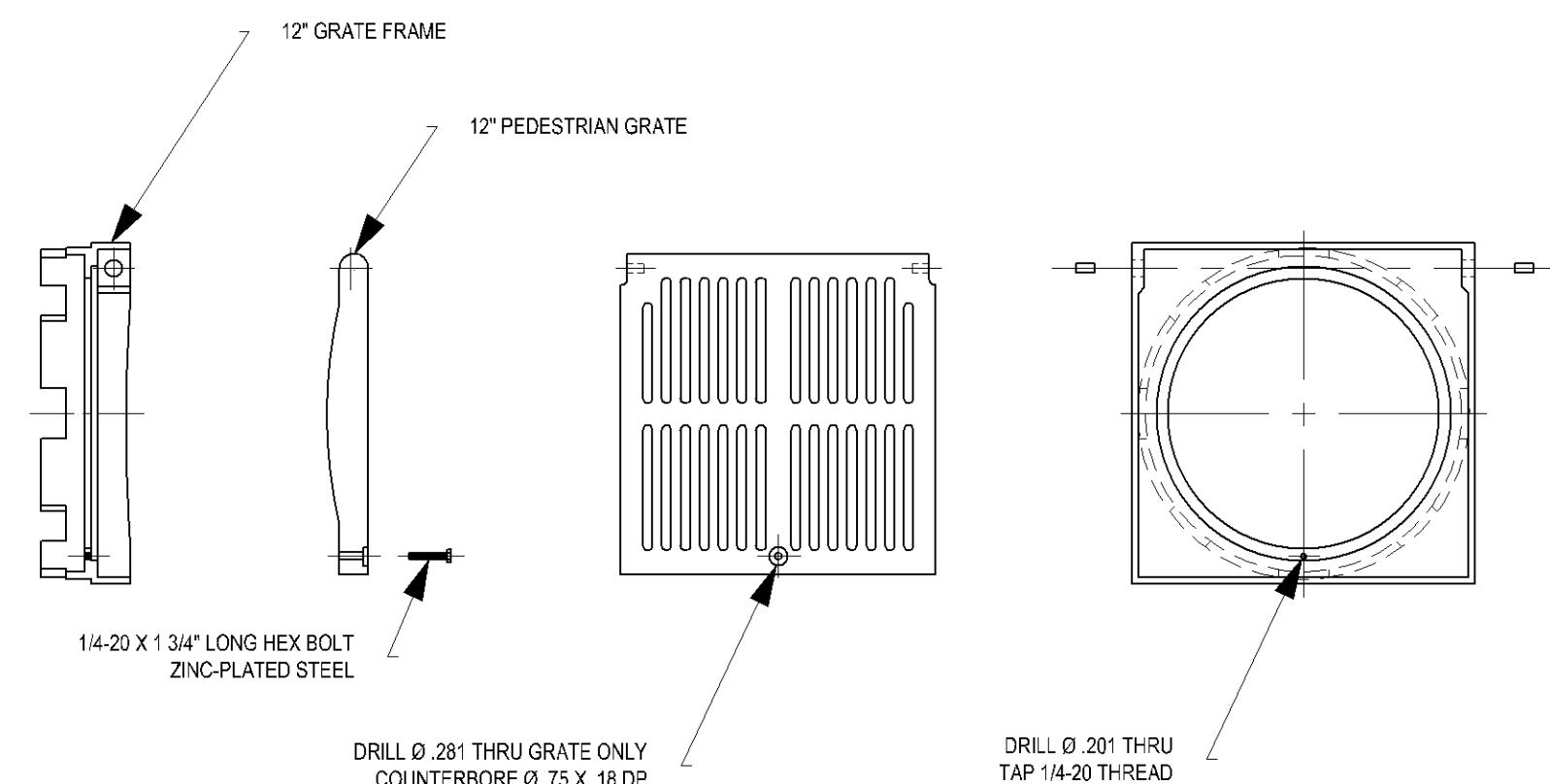
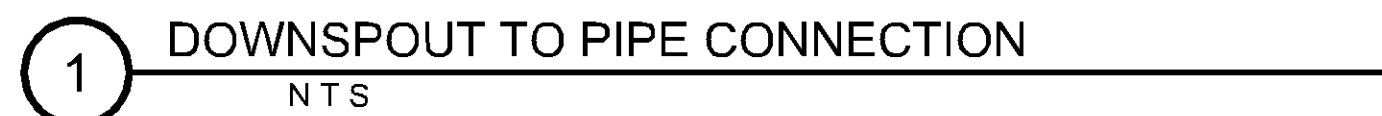
ISSUE/SUBMITTAL SUMMARY	
DATE	DESCRIPTION
10/09/19	CITY SUBMITTAL
10/09/19	CITY RESUBMITTAL
02/07/20	CITY SUBMITTAL
02/24/20	WATERSHED SUBMITTAL
03/02/20	PERMIT SET

DRAWN BY:BN REVIEWED BY:DK
PROJECT NUMBER: 17157.01

REVISION SUMMARY	
DATE	DESCRIPTION


UTILITY PLAN -
OVERALL

C4.0



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DRAWN BY AWA		MATERIAL			
DATE	7-5-00				
REVISED BY EBC		PROJECT NO./NAME			
DATE	2-20-10				
DWG SIZE	A	SCALE	1:8	SHEET	1 OF 1

 Nyloplast TITLE 12 IN PEDESTRIAN LOCKING GRATE ASSEMBLY	3130 VERONA AVE BUFORD, GA 30518 PHN (770) 932-2443 FAX (770) 932-2490 www.nyloplast-us.com	
DWG NO.	7001-110-034	REV C

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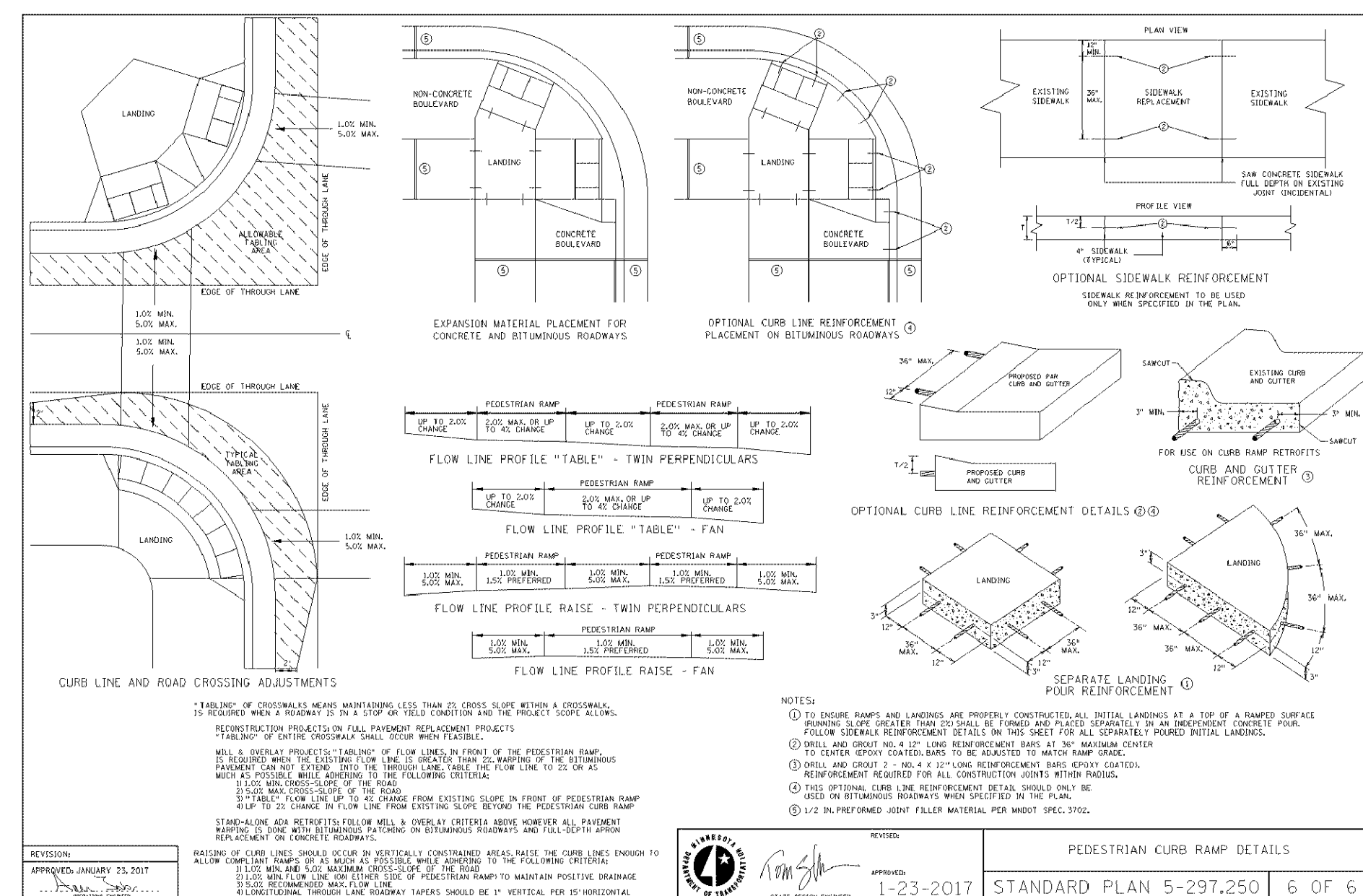
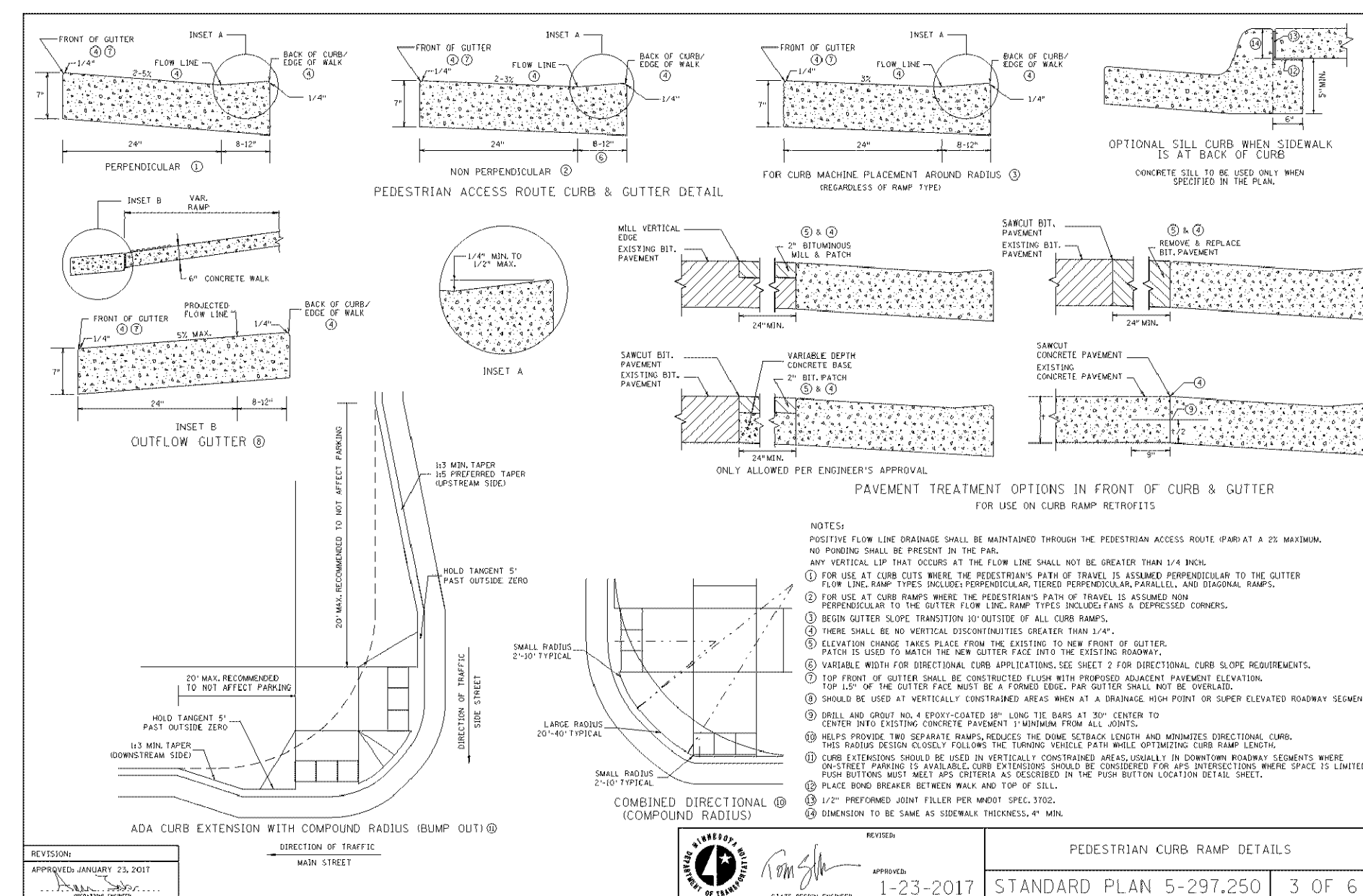
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DATE	3-29-06			
REVISED BY	EBC	PROJECT NO./NAME		
DATE	3-10-10			
DWG SIZE	A	SCALE	1:20	SHEET 1 OF 1

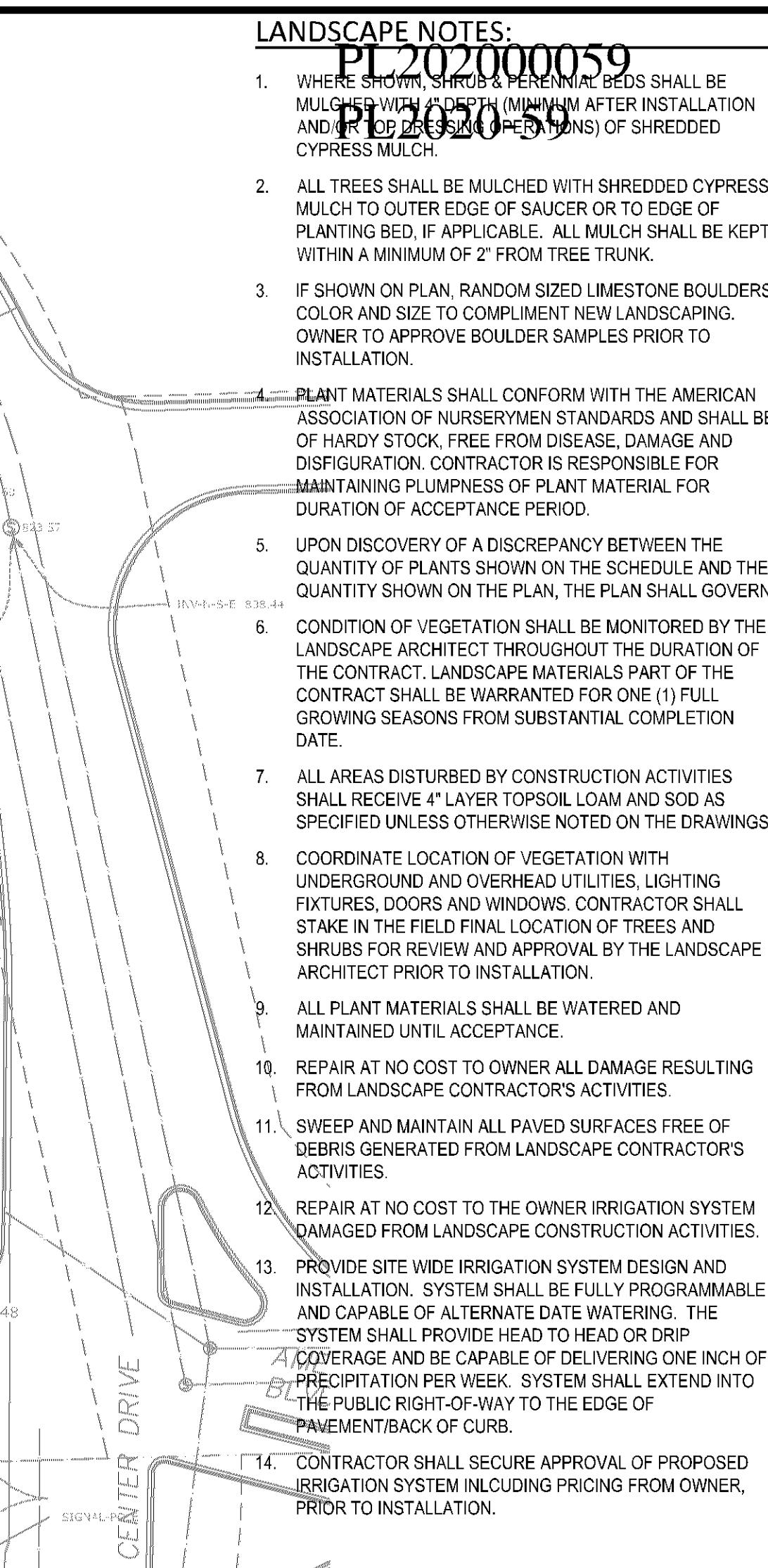
 Nyloplast	3130 VERONA AVE BUFORD, GA 30518 PHN (770) 932-2443 FAX (770) 932-2490 www.nyloplast-us.com
TITLE	
12 IN DRAIN BASIN QUICK SPEC INSTALLATION DETAIL	
DWG NO.	7031-110-183
REV	C

- 1 - GRATES/SOLID COVER SHALL BE DUCTILE IRON PER ASTM A535 GRADE 70-50-05, WITH THE EXCEPTION OF THE BRONZE GRATE.
- 2 - FRAMES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05
- 3 - DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DETAILS. RISERS ARE NEEDED FOR BASINS OVER 84" DUE TO SHIPPING RESTRICTIONS. SEE DRAWING NO. 7001-110-085
- 4 - DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3277 FOR CORRUGATED HDPE (ADS 1-N-13CORR/CD DUAL WALL), 12-INP, & PVC SEWER
- 5 - ADAPTERS CAN BE MOUNTED ON AN ANGLE 0° TO 380°. TO DETERMINE MINIMUM ANGLE BETWEEN ADAPTERS SEE DRAWING NO. 7001-110-012

11

3600 AMERICAN BOULEVARD WEST, SUITE 750, BLOOMINGTON, MN 55431





SYM	QUANT. EAST	COMMON NAME	BOTANICAL NAME	SIZE	ROOT	COMMENTS
		DECIDUOUS & EVERGREEN TREES				
ABM	7	Autumn Blaze Maple	<i>Acer x freemanii 'Jeffersred'</i>	2.5" CAL.	B&B	STRAIGHT LEADER. FULL FORM
BHS	15	BLACK HILLS SPRUCE	<i>Picea glauca 'Densata'</i>	6' HT.	B&B	STRAIGHT LEADER. FULL FORM
KC	6	KENTUCKY COFFEETREE	<i>Gymnocladus dioica</i>	2.5" CAL.	B&B	STRAIGHT LEADER. FULL FORM
NHE	6	New Horizon Elm	<i>Ulmus 'New Horizon'</i>	2.5" CAL.	B&B	STRAIGHT LEADER. FULL FORM
RB	3	RIVER BIRCH	<i>Betula nigra</i>	2.5" CAL.	B&B	STRAIGHT LEADER. FULL FORM
SHL	8	SKYLINE HONEYLOCUST	<i>Gleditsia triacanthos 'Skycole'</i>	2.5" CAL.	B&B	STRAIGHT LEADER. FULL FORM
SWO	7	SWAMP WHITE OAK	<i>Quercus bicolor</i>	2.5" CAL.	B&B	STRAIGHT LEADER. FULL FORM
WP	10	WHITE PINE	<i>Pinus strobus</i>	6' HT.	B&B	STRAIGHT LEADER. FULL FORM
	62	TOTAL				
		ORNAMENTAL TREES				
ABS	5	AUTUMN BRILLIANCE SERVICEBERRY	<i>Amelanchier x grandiflora 'Autumn Brilliance (tree form)'</i>	1.5" CAL.	B&B	STRAIGHT LEADER. FULL FORM
NRBc	3	Northern Redbud Clump	<i>Cercis canadensis 'Northern Strain'</i>	#7	CONT.	
RBC	0	RED BARON CRAPAPPLE	<i>Malus 'Red Baron'</i>	1.5" CAL.	B&B	STRAIGHT LEADER. FULL FORM
RDJM	0	Red Dragon Japanese Maple	<i>Acer palmatum 'Red Dragon'</i>	#7	CONT.	
SSC	10	SPRING SNOW CRABAPPLE	<i>Malus 'Spring Snow'</i>	1.5" CAL.	B&B	STRAIGHT LEADER. FULL FORM
	18	TOTAL				
		SHRUBS - DECIDUOUS & EVERGREEN				
AFD	0	ARTIC FIRE DOGWOOD	<i>Cornus sericea 'Farrow'</i>	24" HT.	CONT.	
AH	0	ANNABELLE HYDRANGEA	<i>Hydrangea arborescens 'Annabelle'</i>	24" HT.	CONT.	
BLE	0	BLACK LACE ELDERBERRY	<i>Sambucus nigra 'Eva'</i>	24" HT.	CONT.	
BAJ	19	Blue Arrow Juniper	<i>Juniperus scopulorum 'Blue Arrow'</i>	36" HT.	CONT.	
CAC	20	COMPACT AMERICAN CRANBERRY	<i>Viburnum trilobum 'Bailey Compact'</i>	24" HT.	CONT.	
DKL	0	DWARF KOREAN LILAC	<i>Syringa meyeri 'Palibin'</i>	24" HT.	CONT.	
MJ	0	MEDORA JUNIPER	<i>Juniperus scopulorum 'Medora'</i>	36" HT.	CONT.	
DGY	0	Dark Green Spreader Yew	<i>Taxus x media 'Dark Green Spreader'</i>	24" HT.	CONT.	
NY	0	Nova Yew	<i>Taxus cuspidata 'Nova'</i>	24" HT.	CONT.	
NAY	0	Nana Aureoscens Yew	<i>Taxus cuspidata 'Nana Aureoscens'</i>	24" SPD.	CONT.	
RLA	0	ROSY LIGHTS AZALEA	<i>Rhododendron 'Rosy Lights'</i>	24" HT.	CONT.	
SGJ	49	Sea Green Juniper	<i>Juniperus chinensis 'Sea Green'</i>	18" HT.	CONT.	
TSH	0	Twist And Shout Hydrangea	<i>Hydrangea macrophylla 'PIIHM-I'</i>	24" HT.	CONT.	
TY	49	TAUNTON'S YEW	<i>Taxus x media 'Tauntonii'</i>	24" HT.	CONT.	
	137	TOTAL				

TREE SUMMARY	
64	TREES REQUIRED
62	TREES PROVIDED
15	PLANTED AS PART OF EAST PHASE OF THIS PROJECT
5	EXISTING TREES PRESERVED
72	ADJUSTED TREES PROVIDED - EAST SIDE ONLY

 PROPOSED CANOPY & EVERGREEN TREE SYMBOLS - SEE SCHEDULE AND PLAN FOR SPECIES AND PLANTING SIZES
 PROPOSED DECIDUOUS AND EVERGREEN SHRUB SYMBOLS - SEE SCHEDULE AND PLAN FOR SPECIES AND PLANTING SIZES
 PROPOSED PERENNIAL PLANT SYMBOLS - SEE SCHEDULE AND PLAN FOR SPECIES AND PLANTING SIZES
 DECORATIVE BOULDERS, 18"-30" DIA.

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NORMANDALE
TOWNHOMES

AMERICAN BOULEVARD WEST

NORMANDALE LAKE BOULEVARD

CONSTRUCTION LIMITS

Know what's below.
Call before you dig.

1" = 20'-0"
10'-0" 0 3/2020/02/26 PM

PROJECT
**THE POINTE BLOOMINGTON
- PHASE 2**
5601 & 5501 AMERICAN BOULEVARD WEST, BLOOMINGTON, MN, 55437
UNITED PROPERTIES, LLC
3600 AMERICAN BOULEVARD WEST, SUITE 750, BLOOMINGTON, MN 55431

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Patrick J. Sarver
DATE 03/20/20 LICENSE NO. 24904

ISSUE/SUBMITTAL SUMMARY	
DATE	DESCRIPTION
10/09/19	CITY SUBMITTAL
10/30/19	CITY RESUBMITTAL
02/07/20	CITY RESUBMITTAL
02/24/20	WATERSHED SUBMITTAL
03/02/20	PERMIT SET

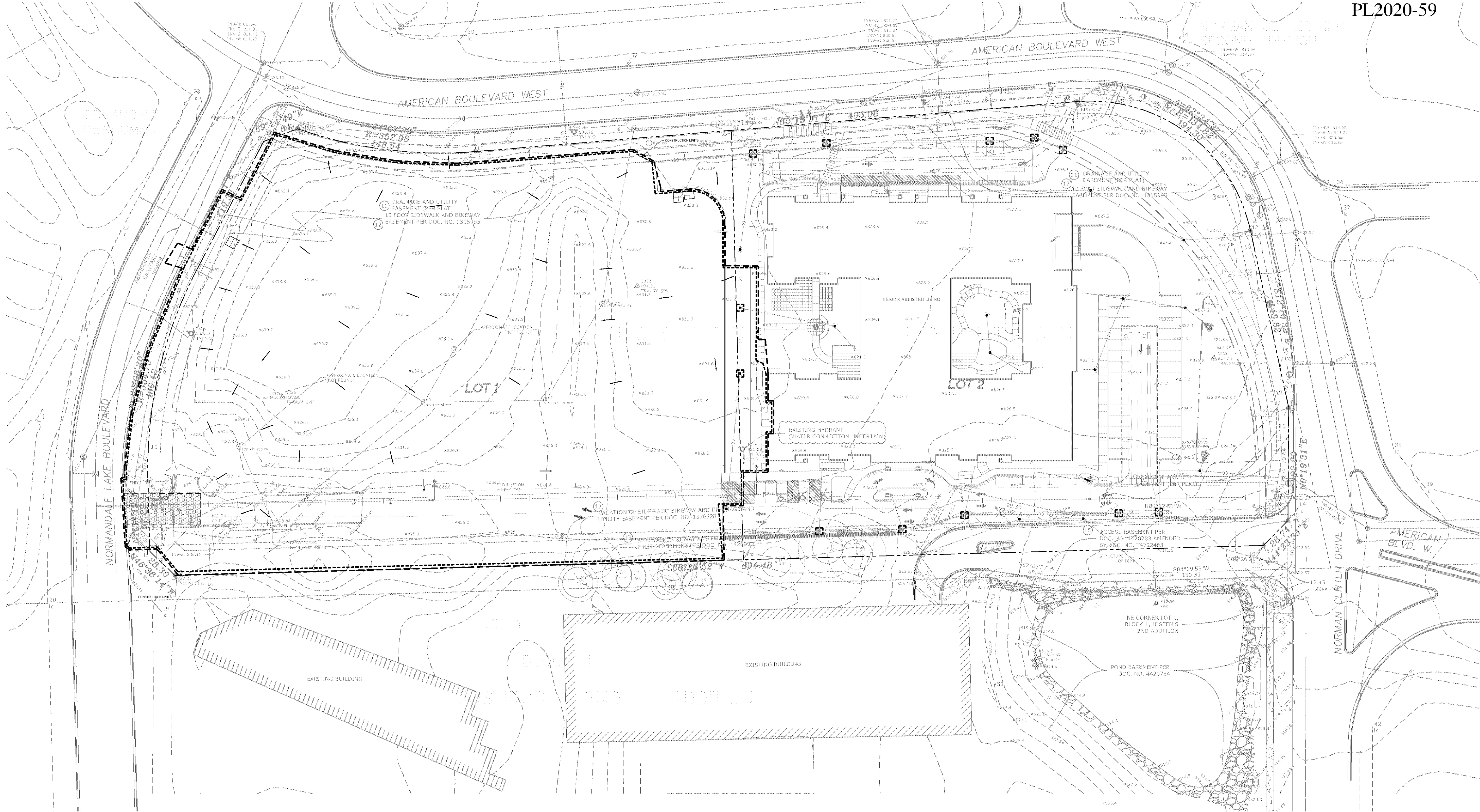
DRAWN BY: BN REVIEWED BY: DK
PROJECT NUMBER: 17157.01

REVISION SUMMARY	
DATE	DESCRIPTION

LANDSCAPE PLAN -
ENLARGEMENT

L1.1

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ALL SPECIFIED EROSION AND SEDIMENT CONTROL PRACTICES, AND MEASURES CONTAINED IN THIS SWPPP ARE THE MINIMUM REQUIREMENTS. ADDITIONAL PRACTICES MAY BE REQUIRED DURING THE COURSE OF CONSTRUCTION.

- SWPPP NOTES:**
1. THIS PROJECT IS GREATER THAN ONE ACRE AND WILL REQUIRE AN MPCA NPDES PERMIT. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ANY EROSION CONTROL PERMITS REQUIRED BY THE CITY.
 2. SEE SHEETS SW1.0 - SW1.6 FOR ALL EROSION CONTROL NOTES, DESCRIPTIONS, AND PRACTICES.
 3. SEE GRADING PLAN FOR ADDITIONAL GRADING AND EROSION CONTROL NOTES.
 4. CONTRACTOR IS RESPONSIBLE FOR SWPPP IMPLEMENTATION, INSPECTIONS, AND COMPLIANCE WITH NPDES PERMIT.

CITY OF BLOOMINGTON EROSION CONTROL NOTES:

1. RESERVED FOR CITY SPECIFIC EROSION CONTROL NOTES.

LEGEND:

1125	EX. 1' CONTOUR ELEVATION INTERVAL
1137	1.0' CONTOUR ELEVATION INTERVAL
→	DRAINAGE ARROW
-----	SILT FENCE / BIOROLL - GRADING LIMIT
□	INLET PROTECTION
▨	STABILIZED CONSTRUCTION ENTRANCE
▨	EROSION CONTROL BLANKET

**THE PONTE BLOOMINGTON
- PHASE 2**

5601 & 5501 AMERICAN BOULEVARD WEST, BLOOMINGTON, MN, 55437

UNITED PROPERTIES, LLC

3600 AMERICAN BOULEVARD WEST, SUITE 750, BLOOMINGTON, MN 55431

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

Matthew R. Pavlek
DATE 03/20/20 LICENSE NO. 44263

ISSUE/SUBMITTAL SUMMARY

DATE	DESCRIPTION
10/09/19	CITY SUBMITTAL
10/30/19	CITY RESUBMITTAL
02/07/20	CITY SUBMITTAL
02/24/20	WATERSHED SUBMITTAL
03/02/20	PERMIT SET

DRAWN BY: BN REVIEWED BY: DK
PROJECT NUMBER: 17157.01

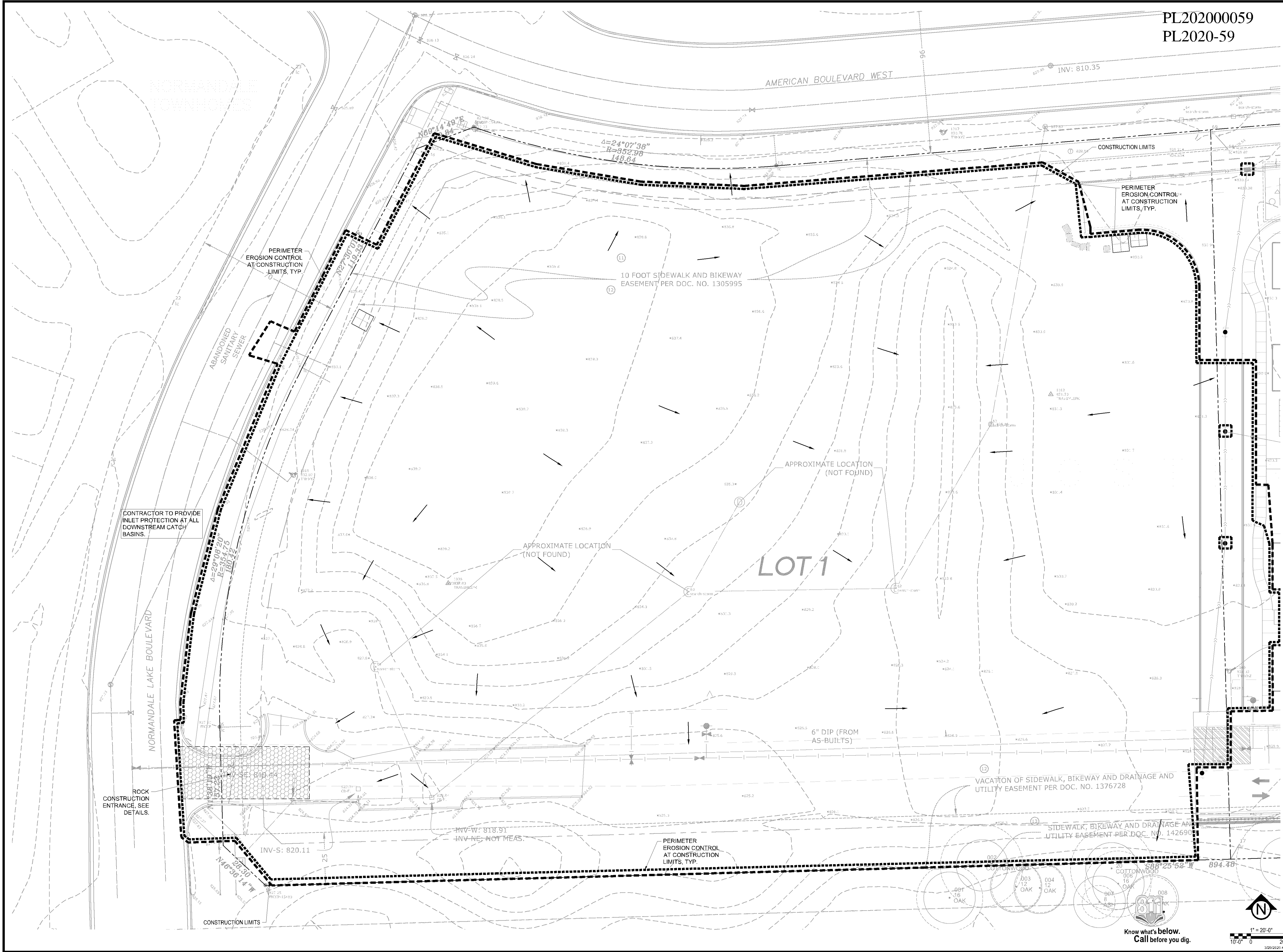
REVISION SUMMARY

DATE	DESCRIPTION
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SWPPP - EX.
CONDITIONS -
OVERALL

SW1.0

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PL202000059
PL2020-59

CivilSite
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Civil Engineering - Surveying - Landscape Architecture
4831 W. 25th Street, Suite 200
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KW
kaas
wilson
architects

PROJECT
**THE PONTE BLOOMINGTON
- PHASE 2**
5601 & 5501 AMERICAN BOULEVARD WEST, BLOOMINGTON, MN, 55437
UNITED PROPERTIES, LLC
3600 AMERICAN BOULEVARD WEST, SUITE 750, BLOOMINGTON, MN 55431

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Matthew R. Pavek
Matthew R. Pavek
DATE 03/20/20 LICENSE NO. 44263

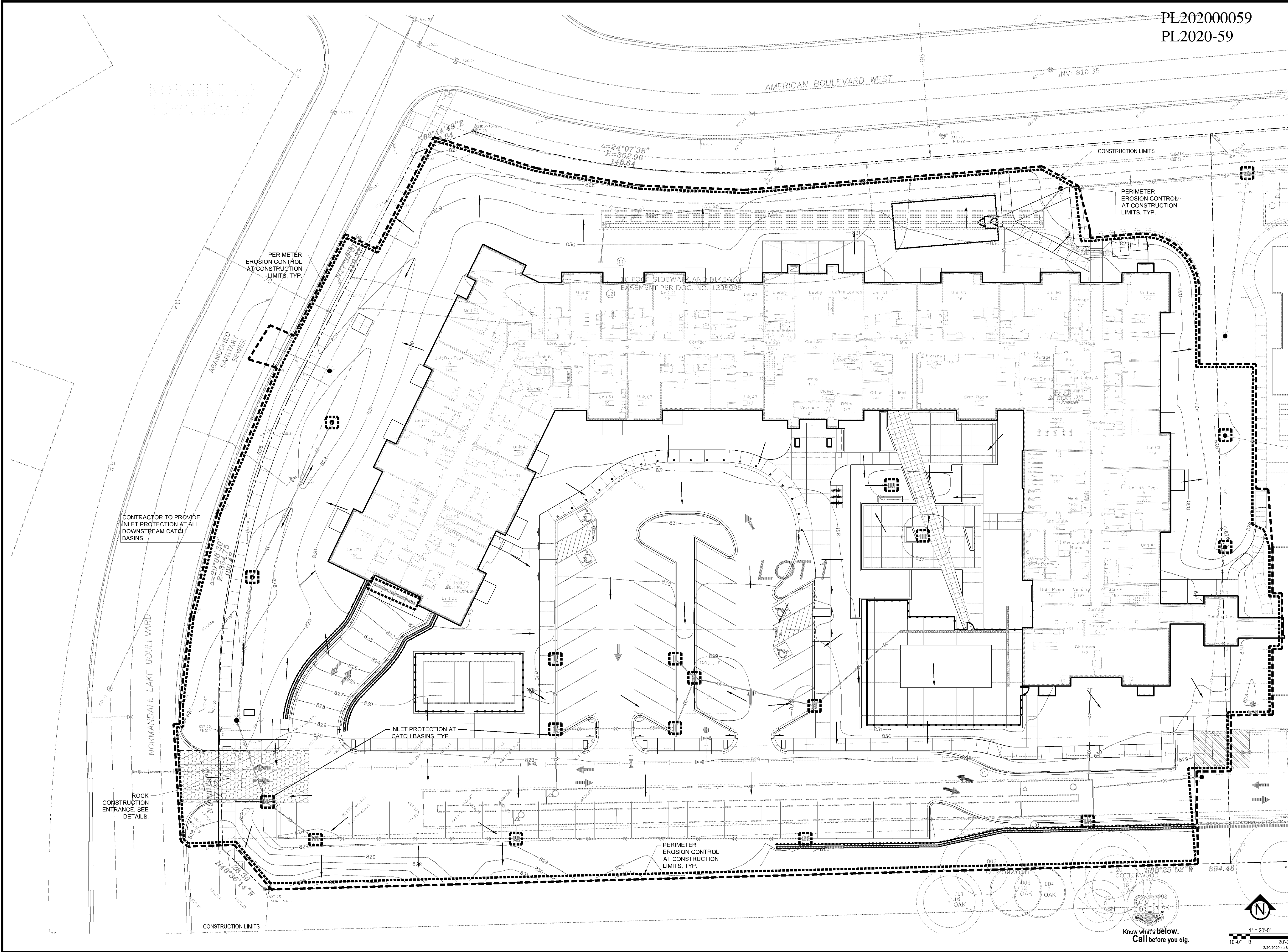
ISSUE/SUBMITTAL SUMMARY	
DATE	DESCRIPTION
10/08/19	CITY SUBMITTAL
10/30/19	CITY RESUBMITTAL
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02/24/20	WATERSHED SUBMITTAL
03/20/20	PERMIT SET

DRAWN BY: BN REVIEWED BY: DK
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REVISION SUMMARY
DATE DESCRIPTION

SWPPP - EX.
CONDITIONS -
ENLARGEMENT

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KW kaos
wilson
architects

**THE PONTE BLOOMINGTON
- PHASE 2**

UNITED PROPERTIES, LLC

5601 & 5501 AMERICAN BOULEVARD WEST, BLOOMINGTON, MN, 55437
3600 AMERICAN BOULEVARD WEST, SUITE 750, BLOOMINGTON, MN 55431

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Matthew R. Pavsek
Matthew R. Pavsek
DATE 03/20/20 LICENSE NO. 44263

ISSUE/SUBMITTAL SUMMARY

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REVISION SUMMARY

DATE	DESCRIPTION
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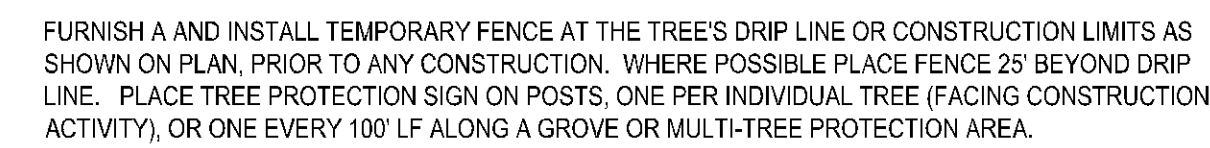
DRAWN BY: BN REVIEWED BY: DK
PROJECT NUMBER: 17157.01

SWPPP - PROP. CONDITIONS - WEST

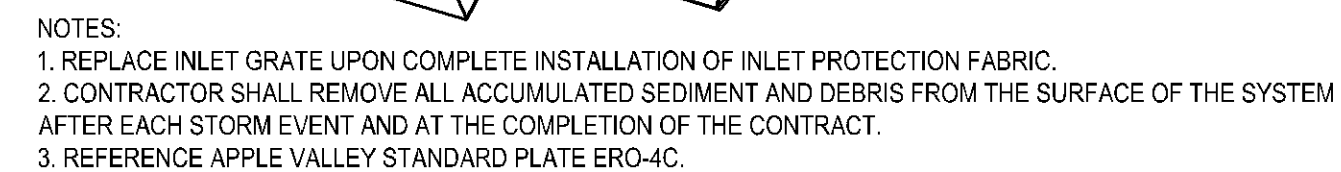
SW1.3

Know what's below.
Call before you dig.

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10'-0" 0 20'-0"
3/20/2020 4:18 PM



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GENERAL SWPPP REQUIREMENTS AND NOTES:

THE CONTRACTOR AND ALL SUBCONTRACTORS INVOLVED WITH A CONSTRUCTION ACTIVITY THAT DISTURBS SITE SOIL OR WHO IMPLEMENT A POLLUTANT CONTROL, MEASURE PREVENTION IN THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) MUST COMPLY WITH THE REQUIREMENTS OF THE NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) GENERAL PERMIT (DATED AUGUST 1, 2018 # MNR100001) AND ANY LOCAL GOVERNING AGENCY HAVING JURISDICTION CONCERNING EROSION AND SEDIMENTATION CONTROL.

STORMWATER DISCHARGE DESIGN REQUIREMENTS

SWPPP

THE NATURE OF THIS PROJECT WILL BE CONSISTENT WITH WHAT IS REPRESENTED IN THIS SET OF CONSTRUCTION PLANS AND SPECIFICATIONS. SEE THE SWPPP PLAN SHEETS AND SWPPP NARRATIVE (ATTACHMENT A CONSTRUCTION SWPPP TEMPLATE) FOR ADDITIONAL SITE SPECIFIC SWPPP INFORMATION. THE PLANS SHOW LOCATIONS AND TYPES OF ALL TEMPORARY AND PERMANENT EROSION PREVENTION AND SEDIMENT CONTROL. BMP'S STANDARD DETAILS ARE ATTACHED TO THIS SWPPP DOCUMENT.

THE INTENDED SEQUENCING OF MAJOR CONSTRUCTION ACTIVITIES IS AS FOLLOWS:

1. INSTALL STABILIZED ROCK CONSTRUCTION ENTRANCE
2. INSTALLATION OF SILT FENCE AROUND SITE
3. INSTALL ORANGE CONSTRUCTION FENCING AROUND INFILTRATION AREAS
4. CLEAR AND GRUB FOR TEMPORARY SEDIMENT BASIN / POND / POND / POND
5. CONSTRUCT TEMPORARY SEDIMENT BASIN / POND / POND (SECTION 14)
6. CLEAR AND GRUB REMAINDER OF SITE
7. STRIP AND STOCKPILE TOPSOIL
8. ROUGH GRADING OF SITE
9. STABILIZE DENUDED AREAS AND STOCKPILES
10. INSTALL SANITARY SEWER, WATER MAIN STORM SEWER AND SERVICES
11. INSTALL SILT FENCE / INLET PROTECTION AROUND CBS
12. INSTALL STREET SECTION
13. INSTALL CURB AND GUTTER
14. BITUMINOUS ON STREETS
15. FINAL GRADE BOULEVARD, INSTALL SEED AND MULCH
16. REMOVE ACCUMULATED SEDIMENT FROM BASIN / POND
17. FINAL GRADE POND / INFILTRATION BASINS (DO NOT COMPACT SOILS IN INFILTRATION AREAS)
18. WHEN ALL CONSTRUCTION ACTIVITY IS COMPLETE AND THE SITE IS STABILIZED BY EITHER SEED OR SOD/LANDSCAPING, REMOVE SILT FENCE AND RESEED ANY AREAS DISTURBED BY THE REMOVAL.

RECORDS RETENTION:

THE SWPPP (ORIGINAL OR COPIES) INCLUDING, ALL CHANGES TO IT, AND INSPECTIONS AND MAINTENANCE RECORDS MUST BE KEPT AT THE SITE DURING CONSTRUCTION BY THE PERMITTEE WHO HAS OPERATIONAL CONTROL OF THAT PORTION OF THE SITE. THE SWPPP CAN BE KEPT IN EITHER THE FIELD OFFICE OR IN AN ON SITE VEHICLE DURING NORMAL WORKING HOURS.

ALL OWNER(S) MUST KEEP THE SWPPP, ALONG WITH THE FOLLOWING ADDITIONAL RECORDS, ON FILE FOR THREE (3) YEARS AFTER SUBMITTAL OF THE NOT AS OUTLINED IN SECTION 4. THIS DOES NOT INCLUDE ANY RECORDS AFTER SUBMITTAL OF THE NOT.

1. THE FINAL SWPPP;
2. ANY OTHER STORMWATER RELATED PERMITS REQUIRED FOR THE PROJECT;
3. RECORDS OF ALL INSPECTION AND MAINTENANCE CONDUCTED DURING CONSTRUCTION (SEE SECTION 11, INSPECTIONS AND MAINTENANCE);
4. ALL PERMANENT OPERATION AND MAINTENANCE AGREEMENTS THAT HAVE BEEN IMPLEMENTED, INCLUDING ALL RIGHT OF WAY, CONTRACTS, COVENANTS AND OTHER BINDING REQUIREMENTS REGARDING PERPETUAL MAINTENANCE; AND
5. ALL REQUIRED CALCULATIONS FOR DESIGN OF THE TEMPORARY AND PERMANENT STORMWATER MANAGEMENT SYSTEMS.

SWPPP IMPLEMENTATION RESPONSIBILITIES:

1. THE OWNER AND CONTRACTOR ARE PERMITTEE(S) AS IDENTIFIED BY THE NPDES PERMIT.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ON-SITE IMPLEMENTATION OF THE SWPPP, INCLUDING THE ACTIVITIES OF ALL OF THE CONTRACTOR'S SUBCONTRACTORS.
3. CONTRACTOR SHALL PROVIDE A PERSON(S) KNOWLEDGEABLE AND EXPERIENCED IN THE APPLICATION OF EROSION PREVENTION AND SEDIMENT CONTROL BMP'S TO OVERSEE ALL INSTALLATION AND MAINTENANCE OF BMP'S AND IMPLEMENTATION OF THE SWPPP.
4. CONTRACTOR SHALL PROVIDE PERSON(S) MEETING THE TRAINING REQUIREMENTS OF THE NPDES PERMIT TO CONDUCT INSPECTION AND MAINTENANCE OF ALL EROSION PREVENTION AND SEDIMENT CONTROL BMP'S IN ACCORDANCE WITH THE REQUIREMENTS OF THE PERMIT. ONE OF THESE INDIVIDUAL(S) MUST BE AVAILABLE FOR AN ONSITE INSPECTION WITHIN 72 HOURS UPON REQUEST BY MPCA. CONTRACTOR SHALL PROVIDE TRAINING DOCUMENTATION FOR THESE INDIVIDUAL(S) TO THE NPDES PERMIT. THIS TRAINING DOCUMENTATION SHALL BE RECORDED IN OR WITH THE SWPPP BEFORE THE START OF CONSTRUCTION OR AS SOON AS THE PERSONNEL FOR THE PROJECT HAVE BEEN DETERMINED. DOCUMENTATION SHALL INCLUDE:
 - 4.1. NAMES OF THE PERSONNEL ASSOCIATED WITH THE PROJECT THAT ARE REQUIRED TO BE TRAINED PER SECTION 21 OF THE PERMIT.
 - 4.2. DATES OF TRAINING AND NAME OF INSTRUCTOR AND ENTITY PROVIDING TRAINING.
 - 4.3. CONTENT OF TRAINING COURSE OR WORKSHOP INCLUDING THE NUMBER OF HOURS OF TRAINING.
5. FOLLOWING FINAL STABILIZATION AND THE TERMINATION OF COVERAGE FOR THE NPDES PERMIT, THE OWNER IS EXPECTED TO FURNISH LONG TERM OPERATION AND MAINTENANCE (O & M) OF THE PERMANENT STORM WATER MANAGEMENT SYSTEM.

CONSTRUCTION ACTIVITY REQUIREMENTS

SWPPP AMENDMENTS (SECTION 6):

1. ONE OF THE INDIVIDUALS DESCRIBED IN ITEM 21.2 OR ITEM 21.2.B OR ANOTHER QUALIFIED INDIVIDUAL MUST COMPLETE ALL SWPPP CHANGES. CHANGES INVOLVING THE USE OF A LESS STRINGENT BMP MUST INCLUDE A JUSTIFICATION DESCRIBING HOW THE REPLACEMENT BMP IS EFFECTIVE FOR THE SITE CHARACTERISTICS.
2. PERMITTEES MUST AMEND THE SWPPP TO INCLUDE ADDITIONAL OR MODIFIED BMP'S AS NECESSARY TO CORRECT PROBLEMS IDENTIFIED OR ADDRESS SITUATIONS WHENEVER THERE IS A CHANGE IN DESIGN, CONSTRUCTION, OPERATION, MAINTENANCE, WEATHER OR SEASONAL CONDITIONS HAVING A SIGNIFICANT EFFECT ON THE DISCHARGE OF POLLUTANTS TO SURFACE WATERS OR GROUNDWATER.
3. PERMITTEES MUST AMEND THE SWPPP TO INCLUDE ADDITIONAL OR MODIFIED BMP'S AS NECESSARY TO CORRECT PROBLEMS IDENTIFIED OR ADDRESS SITUATIONS WHENEVER INSPECTIONS OR INVESTIGATIONS BY THE SITE OWNER OR OPERATOR, USEPA OR MPCA OFFICIALS INDICATE THE SWPPP IS NOT EFFECTIVE IN ELIMINATING OR SIGNIFICANTLY MINIMIZING THE DISCHARGE OF POLLUTANTS TO SURFACE WATERS OR GROUNDWATER OR THE DISCHARGES ARE CAUSING WATER QUALITY STANDARD EXCEEDANCES (E.G., NUISANCE CONDITIONS AS DEFINED IN MINN. R. 7050.0210, SUBP. 2) OR THE SWPPP IS NOT CONSISTENT WITH THE OBJECTIVES OF A USEPA APPROVED TMDL.

BMP SELECTION AND INSTALLATION (SECTION 7):

1. PERMITTEES MUST SELECT, INSTALL, AND MAINTAIN THE BMP'S IDENTIFIED IN THE SWPPP AND IN THIS PERMIT IN AN APPROPRIATE AND FUNCTIONAL MANNER AND IN ACCORDANCE WITH RELEVANT MANUFACTURER SPECIFICATIONS AND ACCEPTED ENGINEERING PRACTICES.

EROSION PREVENTION (SECTION 8):

1. BEFORE WORK BEGINS, PERMITTEES MUST DELINEATE THE LOCATION OF AREAS NOT TO BE DISTURBED.
2. PERMITTEES MUST MINIMIZE THE NEED FOR DISTURBANCE OF PORTIONS OF THE PROJECT WITH STEEP SLOPES. WHEN STEEP SLOPES MUST BE DISTURBED, PERMITTEES MUST USE TECHNIQUES SUCH AS PHASING AND STABILIZATION PRACTICES DESIGNED FOR STEEP SLOPES (E.G., SLOPE DRAINING AND TERRACING).
3. PERMITTEES MUST STABILIZE ALL EXPOSED SOIL AREAS, INCLUDING STOCKPILES. STABILIZATION MUST BE INITIATED IMMEDIATELY TO LIMIT SOIL EROSION WHEN CONSTRUCTION ACTIVITY OR TEMPORARILY OR TEMPORARILY CEASED ON ANY PORTION OF THE SITE AND WILL NOT RESUME FOR A PERIOD EXCEEDING 14 CALENDAR DAYS. STABILIZATION IS NOT COMPLETED NO LATER THAN 14 CALENDAR DAYS AFTER THE CONSTRUCTION ACTIVITY HAS CEASED. STABILIZATION IS NOT REQUIRED ON CONSTRUCTED BASE COMPONENTS OF ROADS, PARKING LOTS AND SIMILAR SURFACES. STABILIZATION IS NOT REQUIRED ON TEMPORARY STOCKPILES WITHOUT SIGNIFICANT SILT, CLAY OR ORGANIC COMPONENTS (E.G., CLEAN AGGREGATE STOCKPILES, DEMOLITION CONCRETE STOCKPILES, SAND STOCKPILES) BUT PERMITTEES MUST PROVIDE SEDIMENT CONTROLS AT THE BASE OF THE STOCKPILE.
4. FOR PUBLIC WATERS THAT THE MINNESOTA DNR HAS PROMULGATED "WORK IN WATER RESTRICTIONS" DURING SPECIFIED FISH SPAWNING TIME FRAMES, PERMITTEES MUST COMPLETE STABILIZATION OF ALL EXPOSED SOIL AREAS WITHIN 200 FEET OF THE WATERS EDGE, AND THAT DRAIN TO THESE WATERS, WITHIN 24 HOURS DURING THE RESTRICTION PERIOD.
5. PERMITTEES MUST STABILIZE THE NORMAL WETTED PERIMETER OF THE LAST 200 LINEAR FEET OF TEMPORARY OR PERMANENT DRAINAGE DITCHES OR SWALES THAT DRAIN WATER FROM THE SITE WITHIN 24 HOURS AFTER CONNECTING TO A SURFACE WATER OR PROPERTY EDGE. PERMITTEES MUST COMPLY WITH THE FOLLOWING REQUIREMENTS FOR TEMPORARY OR PERMANENT DITCHES OR SWALES WITHIN 14 CALENDAR DAYS AFTER CONNECTING TO A SURFACE WATER OR PROPERTY EDGE AND CONSTRUCTION IN THAT PORTION OF THE DITCH TEMPORARILY OR PERMANENTLY CEASES:
 - a. TEMPORARY OR PERMANENT DITCHES OR SWALES BEING USED AS A SEDIMENT CONTAINMENT SYSTEM DURING CONSTRUCTION (WITH PROPERLY DESIGNED ROCK-DITCH CHECKS, BIO ROCKS, SILT DIKES, ETC.) DO NOT NEED TO BE STABILIZED. PERMITTEES MUST STABILIZE THESE AREAS WITHIN 24 HOURS AFTER THEIR USE AS A SEDIMENT CONTAINMENT SYSTEM CEASES.
 - b. PERMITTEES MUST NOT USE MULCH, HYDROMULCH, TACKIFIER, POLYACRYLAMIDE OR SIMILAR EROSION PREVENTION PRACTICES WITHIN ANY PORTION OF THE NORMAL WETTED PERIMETER OF A TEMPORARY OR PERMANENT DRAINAGE DITCH OR SWALE SECTION WITH A CONTINUOUS SLOPE OF GREATER THAN 2 PERCENT.
 - c. PERMITTEES MUST PROVIDE TEMPORARY OR PERMANENT ENERGY DISSIPATION AT ALL PIPE OUTLETS WITHIN 24 HOURS

2. AFTER CONNECTION TO A SURFACE WATER OR PERMANENT STORMWATER TREATMENT SYSTEM.
3. PERMITTEES MUST NOT DISTURB MORE LAND (I.E., PHASING) THAN CAN BE EFFECTIVELY INSPECTED AND MAINTAINED IN ACCORDANCE WITH SECTION 11.

SEDIMENT CONTROL (SECTION 9):

1. PERMITTEES MUST ESTABLISH SEDIMENT CONTROL BMP'S ON ALL DOWNGRADE PERIMETERS OF THE SITE AND DOWNGRADE AREAS OF THE SITE THAT DRAIN TO ANY SURFACE WATER, INCLUDING CURB AND GUTTER SYSTEMS. PERMITTEES MUST LOCATE SEDIMENT CONTROL PRACTICES UPGRADIENT OF ANY BUFFER ZONES. PERMITTEES MUST INSTALL SEDIMENT CONTROL PRACTICES BEFORE ANY UPGRADE AND DISTURBING ACTIVITIES BEGIN AND MUST KEEP THE SEDIMENT CONTROL PRACTICES IN PLACE UNTIL THEY ESTABLISH PERMANENT COVER.
2. IF DOWNGRADE SEDIMENT CONTROLS ARE OVERLOADED, BASED ON FREQUENT FAILURE OR EXCESSIVE MAINTENANCE REQUIREMENTS, PERMITTEES MUST INSTALL ADDITIONAL UPGRADE SEDIMENT CONTROL PRACTICES OR REDUNDANT BMP'S TO ELIMINATE THE OVERLOADING AND AMEND THE SWPPP TO IDENTIFY THESE ADDITIONAL PRACTICES AS REQUIRED IN ITEM 6.3.
3. TEMPORARY OR PERMANENT DRAINAGE DITCHES AND SEDIMENT BASINS DESIGNED AS PART OF A SEDIMENT CONTAINMENT SYSTEM (E.G., DITCHES WITH ROCK-CHECK DAMS) REQUIRE SEDIMENT CONTROL PRACTICES ONLY AS APPROPRIATE FOR SITE CONDITIONS.
4. A FLOATING SILT CURTAIN PLACED IN THE WATER IS NOT A SEDIMENT CONTROL BMP TO SATISFY ITEM 9.2 EXCEPT WHEN WORKING ON A SHORELINE OR BELOW THE WATERLINE. IMMEDIATELY AFTER THE SHORT TERM CONSTRUCTION ACTIVITY (E.G., INSTALLATION OF RIP RAP ALONG THE SHORELINE) IN THAT AREA IS COMPLETE, PERMITTEES MUST INSTALL AN UP- AND PERIMETER CONTROL PRACTICE IF EXPOSED SOILS STILL DRAIN TO A SURFACE WATER.
5. PERMITTEES MUST RE-INSTALL ALL SEDIMENT CONTROL PRACTICES ADJUSTED OR REMOVED TO ACCOMMODATE SHORT-TERM ACTIVITIES SUCH AS CLEARING OR GRUBBING, OR PASSAGE OF VEHICLES. IMMEDIATELY AFTER THE SHORT-TERM ACTIVITY IS COMPLETED, PERMITTEES MUST RE-INSTALL SEDIMENT CONTROL PRACTICES BEFORE THE NEXT PRECIPITATION EVENT EVEN IF THE SHORT-TERM ACTIVITY IS NOT COMPLETE.
6. PERMITTEES MUST PROTECT ALL STORM DRAIN INLETS USING APPROPRIATE BMP'S DURING CONSTRUCTION UNTIL THEY ESTABLISH PERMANENT COVER ON ALL AREAS WITH POTENTIAL FOR DISCHARGING TO THE INLET.
7. PERMITTEES MAY REMOVE INLET PROTECTION FOR A PARTICULAR INLET IF A SPECIFIC SAFETY CONCERN (E.G. STREET FLOODING/FREEZING) IS IDENTIFIED BY THE PERMITTEES OR THE JURISDICTIONAL AUTHORITY (E.G., CITY/COUNTY/TOWNSHIP/MINNESOTA DEPARTMENT OF TRANSPORTATION ENGINEER). PERMITTEES MUST DOCUMENT THE NEED FOR REMOVAL IN THE SWPPP.
8. PERMITTEES MUST PROVIDE SILT FENCE OR OTHER EFFECTIVE SEDIMENT CONTROLS AT THE BASE OF STOCKPILES ON THE DOWNGRADE PERIMETER.
9. PERMITTEES MUST LOCATE STOCKPILES OUTSIDE OF NATURAL, BUFFERS OR SURFACE WATERS, INCLUDING STORMWATER CONVEYANCES SUCH AS CURB AND GUTTER SYSTEMS UNLESS THERE IS A BYPASS IN PLACE FOR THE STORMWATER.
10. PERMITTEES MUST INSTALL A VEHICLE TRACKING BMP TO MINIMIZE THE TRACK OUT OF SEDIMENT FROM THE CONSTRUCTION SITE OR ONTO PAVED ROADS WITHIN THE SITE.
11. PERMITTEES MUST USE STREET SWEEPING IF VEHICLE TRACKING BMP'S ARE NOT ADEQUATE TO PREVENT SEDIMENT TRACKING ONTO THE STREET.
12. PERMITTEES MUST INSTALL TEMPORARY SEDIMENT BASINS AS REQUIRED IN SECTION 14.
13. IN ANY AREAS OF THE SITE WHERE FINAL VEGETATIVE STABILIZATION WILL OCCUR, PERMITTEES MUST RESTRICT VEHICLE AND EQUIPMENT USE TO MINIMIZE SOIL COMPACTION.
14. PERMITTEES MUST PRESERVE TOPSOIL ON THE SITE, UNLESS INFEASIBLE.
15. PERMITTEES MUST DIRECT DISCHARGES FROM BMP'S TO VEGETATED AREAS UNLESS INFEASIBLE.
16. PERMITTEES MUST PRESERVE A 50 FOOT NATURAL BUFFER OR, IF A BUFFER IS INFEASIBLE ON THE SITE, PROVIDE REDUNDANT (DOUBLE) PERIMETER SEDIMENT CONTROLS WHEN A SURFACE WATER IS LOCATED WITHIN 50 FEET OF THE PROJECT'S EARTH DISTURBANCES AND STORMWATER FLOWS TO THE SURFACE WATER. PERMITTEES MUST INSTALL PERIMETER SEDIMENT CONTROLS AT LEAST 5 FEET APART UNLESS LIMITED BY LACK OF AVAILABLE SPACE. NATURAL BUFFERS ARE NOT REQUIRED ADJACENT TO ROAD DITCHES, JUDICIAL DITCHES, COUNTY DITCHES, STORMWATER CONVEYANCE CHANNELS, STORM DRAIN INLETS, AND SEDIMENT BASINS. IF PRESERVING THE BUFFER IS INFEASIBLE, PERMITTEES MUST DOCUMENT THE REASONS IN THE SWPPP. SILENT SHEET PILING IS A REDUNDANT PERIMETER CONTROL, IF INSTALLED IN A MANNER THAT RETAINS ALL STORMWATER.
17. PERMITTEES MUST USE POLYMERS, FLOCCULANTS, OR OTHER SEDIMENTATION TREATMENT CHEMICALS IN ACCORDANCE WITH ACCEPTED ENGINEERING PRACTICES, DOSING SPECIFICATIONS AND SEDIMENT REMOVAL DESIGN SPECIFICATIONS PROVIDED BY THE MANUFACTURER OR SUPPLIER. THE PERMITTEES MUST MAINTAIN RECORDS OF SEDIMENTATION CONTROLS PRIOR TO CHEMICAL ADDITION AND MUST DIRECT TREATED STORMWATER TO A SEDIMENT CONTROL SYSTEM FOR FILTRATION OR SETTLEMENT OF THE FLOC PRIOR TO DISCHARGE.

DEWATERING AND BASIN DRAINING (SECTION 10):

1. PERMITTEES MUST DISCHARGE TURBID OR SEDIMENT-LOADED WATERS RELATED TO DEWATERING OR BASIN DRAINING (E.G., PUMPED DISCHARGES, TRENCH/DITCH CUTS FOR DRAINAGE) TO A TEMPORARY OR PERMANENT SEDIMENT BASIN ON THE PROJECT SITE UNLESS INFEASIBLE. PERMITTEES MAY DEWATER TO SURFACE WATERS IF THEY VISUALLY CHECK TO ENSURE ADEQUATE TREATMENT HAS OCCURRED AND NUISANCE CONDITIONS (SEE MINN. R. 7050.0210, SUBP. 2) WILL NOT RESULT FROM THE DISCHARGE. IF PERMITTEES CANNOT DISCHARGE THE WATER TO A SEDIMENTATION BASIN PRIOR TO ENTERING A SURFACE WATER, PERMITTEES MUST TREAT IT WITH APPROPRIATE BMP'S SUCH THAT THE DISCHARGE DOES NOT ADVERSELY AFFECT THE SURFACE WATER OR DOWNSTREAM PROPERTIES.
2. IF PERMITTEES MUST DISCHARGE WATER CONTAINING OIL OR GREASE, THEY MUST USE AN OIL-WATER SEPARATOR OR SUITABLE FILTRATION DEVICE (E.G., CARTRIDGE FILTERS, ABSORBENTS PADS) PRIOR TO DISCHARGE.
3. PERMITTEES MUST DISCHARGE ALL WATER FROM DEWATERING OR BASIN-DRAINING ACTIVITIES IN A MANNER THAT DOES NOT CAUSE EROSION OR SCOUR IN THE IMMEDIATE VICINITY OF DISCHARGE POINTS OR INUNDATION OF WETLANDS IN THE IMMEDIATE VICINITY OF DISCHARGE POINTS THAT CAUSES SIGNIFICANT ADVERSE IMPACT TO THE WETLAND.
4. IF PERMITTEES MUST HAUL THE BACKWASH WATER AWAY FROM THE DISCHARGE, THEY MUST HAUL THE BACKWASH WATER AWAY FOR DISPOSAL, RETURN THE BACKWASH WATER TO THE BEGINNING OF THE TREATMENT PROCESS, OR INCORPORATE THE BACKWASH WATER INTO THE SITE IN A MANNER THAT DOES NOT CAUSE EROSION.

INSPECTIONS AND MAINTENANCE (SECTION 11):

1. PERMITTEES MUST ENSURE A TRAINED PERSON, AS IDENTIFIED IN ITEM 21.2.B, WILL INSPECT THE ENTIRE CONSTRUCTION SITE AT LEAST ONCE EVERY SEVEN (7) DAYS DURING ACTIVE CONSTRUCTION AND WITHIN 24 HOURS AFTER A RAINFALL EVENT GREATER THAN 1/2 INCH IN 24 HOURS.
2. PERMITTEES MUST INSPECT AND MAINTAIN ALL PERMANENT STORMWATER TREATMENT BMP'S.
3. PERMITTEES MUST INSPECT ALL EROSION PREVENTION AND SEDIMENT CONTROL BMP'S AND POLLUTION PREVENTION MANAGEMENT MEASURES TO ENSURE INTEGRITY AND EFFECTIVENESS. PERMITTEES MUST REPAIR, REPLACE OR SUPPLEMENT ALL NONFUNCTIONAL BMP'S WITH FUNCTIONAL BMP'S BY THE END OF THE NEXT BUSINESS DAY AFTER DISCOVERY UNLESS ANOTHER TIME FRAME IS SPECIFIED IN ITEM 11.5 OR 11.6. PERMITTEES MAY TAKE ADDITIONAL TIME IF FIELD CONDITIONS PREVENT ACCESS TO THE AREA.
4. DURING EACH INSPECTION, PERMITTEES MUST INSPECT SURFACE WATERS, INCLUDING DRAINAGE DITCHES AND CONVEYANCE SYSTEMS BUT NOT CURB AND GUTTER SYSTEMS, FOR EVIDENCE OF EROSION AND SEDIMENT DEPOSITION. PERMITTEES MUST REMOVE ALL DELTAS AND SEDIMENT DEPOSITED IN SURFACE WATERS, INCLUDING DRAINAGE WAYS, CATCHBASINS, AND OTHER CONVEYANCE SYSTEMS AND RESTORE THE AREAS WHERE SEDIMENT REMOVAL RESULTS IN EXPOSED SOIL. PERMITTEES MUST COMPLETE REMOVAL AND STABILIZATION WITHIN SEVEN (7) CALENDAR DAYS OF DISCOVERY UNLESS PRECLUDED BY LEGAL, REGULATORY, OR PHYSICAL ACCESS CONSTRAINTS. PERMITTEES MUST USE ALL REASONABLE EFFORTS TO OBTAIN ACCESS. IF PRECLUDED, REMOVAL AND STABILIZATION MUST TAKE PLACE WITHIN SEVEN (7) DAYS OF OBTAINING ACCESS. PERMITTEES ARE RESPONSIBLE FOR CONTACTING ALL LOCAL, REGIONAL, STATE AND FEDERAL AUTHORITIES AND RECEIVING ANY APPLICABLE PERMITS, PRIOR TO CONDUCTING ANY WORK IN SURFACE WATERS.
5. PERMITTEES MUST INSPECT CONSTRUCTION SITE VEHICLE EXIT LOCATIONS, STREETS AND CURB AND GUTTER SYSTEMS WITHIN AND ADJACENT TO THE PROJECT FOR SEDIMENTATION FROM EROSION OR TRACKED SEDIMENT FROM VEHICLES. PERMITTEES MUST REMOVE SEDIMENT FROM ALL PAVED SURFACES WITHIN ONE (1) CALENDAR DAY OF DISCOVERY OR, IF APPLICABLE, WITHIN A SHORTER TIME TO AVOID A SAFETY HAZARD TO USERS OF PUBLIC STREETS.
6. PERMITTEES MUST REPAIR, REPLACE OR SUPPLEMENT ALL PERIMETER CONTROL DEVICES WHEN THEY BECOME NONFUNCTIONAL OR THE SEDIMENT REACHES 1/2 OF THE HEIGHT OF THE DEVICE.
7. PERMITTEES MUST DRAIN TEMPORARY AND PERMANENT SEDIMENTATION BASINS AND REMOVE THE SEDIMENT WHEN THE DEPTH OF SEDIMENT COLLECTED IN THE BASIN REACHES 1/2 THE STORAGE VOLUME.
8. PERMITTEES MUST ENSURE THAT AT LEAST ONE INDIVIDUAL PRESENT ON THE SITE (OR AVAILABLE TO THE PROJECT SITE IN THREE (3) CALENDAR DAYS) IS TRAINED IN THE JOB DUTIES DESCRIBED IN ITEM 21.2.B.
9. PERMITTEES MAY ADJUST THE INSPECTION SCHEDULE DESCRIBED IN ITEM 11.2 AS FOLLOWS:
 - a. INSPECTIONS OF AREAS WITH PERMANENT COVER CAN BE REDUCED TO ONCE PER MONTH, EVEN IF CONSTRUCTION ACTIVITY CONTINUES ON OTHER PORTIONS OF THE SITE; OR
 - b. WHERE SITES HAVE PERMANENT COVER ON ALL EXPOSED SOIL AND NO CONSTRUCTION ACTIVITY IS OCCURRING ANYWHERE ON THE SITE, INSPECTIONS CAN BE REDUCED TO ONCE PER MONTH AND, AFTER 12 MONTHS, MAY BE SUSPENDED COMPLETELY UNTIL CONSTRUCTION ACTIVITY RESUMES. THE MPCA MAY REQUIRE INSPECTIONS TO RESUME IF CONDITIONS WARRANT OR
 - c. WHERE CONSTRUCTION ACTIVITY HAS BEEN SUSPENDED DUE TO FROZEN GROUND CONDITIONS, INSPECTIONS MAY BE SUSPENDED. INSPECTIONS MUST RESUME WITHIN 24 HOURS OF RUNOFF OCCURRING, OR UPON RESUMING CONSTRUCTION, WHICHEVER COMES FIRST.
10. PERMITTEES MUST RECORD ALL INSPECTIONS AND MAINTENANCE ACTIVITIES WITHIN 24 HOURS OF BEING CONDUCTED AND THESE RECORDS MUST BE RETAINED WITH THE SWPPP. THESE RECORDS MUST INCLUDE:
 - a. DATE AND TIME OF INSPECTIONS; AND
 - b. NAME OF PERSONS CONDUCTING INSPECTIONS; AND
 - c. ACCURATE FINDINGS OF INSPECTIONS, INCLUDING THE SPECIFIC LOCATION WHERE CORRECTIVE ACTIONS ARE NEEDED; AND
 - d. CORRECTIVE ACTIONS TAKEN (INCLUDING DATES, TIMES, AND PARTY COMPLETING MAINTENANCE ACTIVITIES); AND
 - e. DATE OF ALL RAINFALL EVENTS GREATER THAN 1/2 INCHES IN 24 HOURS, AND THE AMOUNT OF RAINFALL FOR EACH EVENT. PERMITTEES MUST OBTAIN RAINFALL AMOUNTS BY EITHER A PROPERLY MAINTAINED RAIN GAUGE INSTALLED ONSITE, A WEATHER STATION THAT IS WITHIN ONE (1) MILE OF YOUR LOCATION, OR A WEATHER REPORTING SYSTEM THAT PROVIDES SITE SPECIFIC RAINFALL DATA FROM RADAR SUMMARIES; AND
 - f. IF PERMITTEES OBSERVE A DISCHARGE DURING THE INSPECTION, THEY MUST RECORD AND SHOULD PHOTOGRAPH AND DESCRIBE THE LOCATION OF THE DISCHARGE (I.E., COLOR, ODOR, SETTLED OR SUSPENDED SOLIDS, OIL SHEEN, AND OTHER OBVIOUS INDICATORS OF POLLUTANTS); AND
 - g. ANY AMENDMENTS TO THE SWPPP PROPOSED AS A RESULT OF THE INSPECTION MUST BE DOCUMENTED AS REQUIRED IN SECTION 6 WITHIN SEVEN (7) CALENDAR DAYS.

POLLUTION PREVENTION MANAGEMENT (SECTION 12):

1. PERMITTEES MUST PLACE BUILDING PRODUCTS AND LANDSCAPE MATERIALS UNDER COVER (E.G., PLASTIC SHEETING OR TEMPORARY ROOFS) OR PROTECT THEM BY SIMILARLY EFFECTIVE MEANS DESIGNED TO MINIMIZE CONTACT WITH STORMWATER. PERMITTEES ARE NOT REQUIRED TO COVER OR PROTECT PRODUCTS WHICH ARE EITHER NOT A SOURCE OF CONTAMINATION TO STORMWATER OR ARE DESIGNED TO BE EXPOSED TO STORMWATER.
2. PERMITTEES MUST PLACE PESTICIDES, FERTILIZERS AND TREATMENT CHEMICALS UNDER COVER (E.G., PLASTIC SHEETING OR TEMPORARY ROOFS) OR PROTECT THEM BY SIMILARLY EFFECTIVE MEANS DESIGNED TO MINIMIZE CONTACT WITH STORMWATER.
3. PERMITTEES MUST STORE HAZARDOUS MATERIALS AND TOXIC WASTE, (INCLUDING OIL, DIESEL FUEL, GASOLINE, HYDRAULIC FLUIDS, PAINT SOLVENTS, PETROLEUM-BASED PRODUCTS, WOOD PRESERVATIVES, ADDITIVES, CURING COMPOUNDS, AND ACIDS) IN SEALED CONTAINERS TO PREVENT SPILLS, LEAKS OR OTHER DISCHARGE. STORAGE AND DISPOSAL OF HAZARDOUS WASTE MATERIALS MUST BE IN COMPLIANCE WITH MINN. R. CH. 7045 INCLUDING SECONDARY CONTAINMENT AS APPLICABLE.
4. PERMITTEES MUST PROPERLY STORE, COLLECT AND DISPOSE SOLID WASTE IN COMPLIANCE WITH MINN. R. CH. 7035.
5. PERMITTEES MUST POSITION PORTABLE TOILETS SO THEY ARE SECURED AND WILL NOT TIP OR BE KNOCKED OVER. PERMITTEES MUST PROPERLY DISPOSE SANITARY WASTE IN ACCORDANCE WITH MINN. R. CH. 7044.
6. PERMITTEES MUST TAKE REASONABLE STEPS TO PREVENT THE DISCHARGE OF SPILLED OR LEAKED CHEMICALS, INCLUDING FUEL, FROM ANY AREA WHERE CHEMICALS OR FUEL WILL BE LOADED OR UNLOADED INCLUDING THE USE OF DRIP PANS OR ABSORBENTS UNLESS INFEASIBLE. PERMITTEES MUST ENSURE ADEQUATE SUPPLIES ARE AVAILABLE AT ALL TIMES TO CLEAN UP DISCHARGED MATERIALS AND THAT AN APPROPRIATE DISPOSAL METHOD IS AVAILABLE FOR RECOVERED SPILLED MATERIALS. PERMITTEES MUST REPORT AND CLEAN UP SPILLS IMMEDIATELY AS REQUIRED BY MINN. STAT. 115.061, USING DRY CLEAN UP MEASURES WHERE POSSIBLE.
7. PERMITTEES MUST LIMIT VEHICLE EXTERIOR WASHING AND EQUIPMENT TO A DEFINED AREA OF THE SITE. PERMITTEES MUST CONTAIN RUNOFF FROM THE WASHING AREA IN A SEDIMENT BASIN OR OTHER SIMILARLY EFFECTIVE CONTROLS AND MUST DISPOSE WASTE FROM THE WASHING ACTIVITY PROPERLY. PERMITTEES MUST PROPERLY USE AND STORE SOAPS, DETERGENTS, OR SOLVENTS.
8. PERMITTEES MUST PROVIDE EFFECTIVE CONTAINMENT FOR ALL LIQUID AND SOLID WASTES GENERATED BY WASHOUT OPERATIONS (E.G., CONCRETE, STUCCO, PAINT, FORM RELEASE OILS, CURING COMPOUNDS AND OTHER CONSTRUCTION MATERIALS) RELATED TO THE CONSTRUCTION ACTIVITY. PERMITTEES MUST PREVENT LIQUID AND SOLID WASHOUT WASTES FROM CONTACTING THE GROUND AND MUST DESIGN THE CONTAINMENT SYSTEM AND NOT RESULT IN RUNOFF FROM THE WASHOUT OPERATIONS OR AREAS. PERMITTEES MUST PROPERLY DISPOSE LIQUID AND SOLID WASTES IN COMPLIANCE WITH MPCA RULES. PERMITTEES MUST INSTALL A SIGN INDICATING THE LOCATION OF THE WASHOUT FACILITY.

PERMIT TERMINATION (SECTION 4 AND SECTION 13):

1. PERMITTEES MUST SUBMIT A NOT WITHIN 30 DAYS AFTER ALL TERMINATION CONDITIONS LISTED IN SECTION 13 ARE COMPLETE.
2. PERMITTEES MUST SUBMIT A NOT WITHIN 30 DAYS AFTER SELLING OR OTHERWISE LEGALLY TRANSFERRING THE ENTIRE SITE, INCLUDING PERMIT RESPONSIBILITY FOR ROADS (E.G., STREET SWEEPING) AND STORMWATER INFRASTRUCTURE FINAL CLEAN OUT, OR TRANSFERRING PORTIONS OF A SITE TO ANOTHER PARTY. THE PERMITTEES COVERAGE UNDER THIS PERMIT TERMINATES AT MIDNIGHT ON THE SUBMISSION DATE OF THE NOT.
3. PERMITTEES MUST COMPLETE ALL CONSTRUCTION ACTIVITY AND MUST INSTALL PERMANENT COVER OVER ALL AREAS PRIOR TO SUBMITTING THE NOT. VEGETATIVE COVER MUST CONSIST OF A UNIFORM PERENNIAL VEGETATION WITH A DENSITY OF 70 PERCENT OF ITS EXPECTED FINAL GROWTH. VEGETATION IS NOT REQUIRED WHERE THE FUNCTION OF A SPECIFIC AREA DICTATES NO VEGETATION, SUCH AS IMPERVIOUS SURFACES OR THE BASE OF A SAND FILTER.
4. PERMITTEES MUST CLEAN THE PERMANENT STORMWATER TREATMENT SYSTEM OF ANY ACCUMULATED SEDIMENT AND MUST ENSURE THE SYSTEM MEETS ALL APPLICABLE REQUIREMENTS IN SECTION 13 THROUGH 19 AND IS OPERATING AS DESIGNED.
5. PERMITTEES MUST REMOVE ALL SEDIMENT FROM CONVEYANCE SYSTEMS PRIOR TO SUBMITTING THE NOT.
6. PERMITTEES MUST REMOVE ALL TEMPORARY SYNTHETIC EROSION PREVENTION AND SEDIMENT CONTROL BMP'S PRIOR TO SUBMITTING THE NOT. PERMITTEES MAY LEAVE BMP'S DESIGNED TO DECOMPOSE ON-SITE IN PLACE.
7. FOR RESIDENTIAL CONSTRUCTION ONLY, PERMIT COVERAGE TERMINATES ON INDIVIDUAL LOTS IF THE STRUCTURES ARE FINISHED AND TEMPORARY EROSION PREVENTION AND DOWNGRADE PERIMETER CONTROL IS COMPLETE, THE RESIDENCE SELLS TO THE HOMEOWNER, AND THE PERMITTEE DISTRIBUTES THE MPCA'S "HOMEOWNER FACT SHEET" TO THE HOMEOWNER.
8. FOR CONSTRUCTION PROJECTS ON AGRICULTURAL LAND (E.G., PIPELINES ACROSS CROPLAND), PERMITTEES MUST RETURN THE DISTURBED LAND TO ITS PRECONSTRUCTION AGRICULTURAL USE PRIOR TO SUBMITTING THE NOT.

SEED NOTES:

ALL SEED MIXES AND APPLICATION SHALL BE IN ACCORDANCE WITH THE MNDOT SEEDING MANUAL.

GENERAL RECOMMENDATIONS:

THE CONTRACTOR IS RESPONSIBLE TO SALVAGE AND PRESERVE EXISTING TOPSOIL NECESSARY FOR FINAL STABILIZATION AND TO ALSO MINIMIZE COMPACTION IN ALL LANDSCAPE AREAS. IMMEDIATELY BEFORE SEEDING THE SOIL SHALL BE TILLED TO A MINIMUM DEPTH OF 3 INCHES.

TEMPORARY EROSION CONTROL SEEDING, MULCHING & BLANKET.

SEED

- TEMPORARY SEED SHALL BE MNDOT SEED MIX 21-112 (WINTER WHEAT COVER CROP) FOR WINTER AND 21-111 (OATS COVER CROP) FOR SPRING/SUMMER APPLICATIONS. BOTH SEED MIXES SHALL BE APPLIED AT A SEEDING RATE OF 100 LBS/ACRE.

MULCH

- IMMEDIATELY AFTER SEEDING, WITHIN 24 HOURS, MNDOT TYPE 1 MULCH SHOULD BE APPLIED TO PROTECT AND ENHANCE SEED GERMINATION. MULCH SHALL BE APPLIED AT 90% COVERAGE (2 TONS PER ACRE OF STRAW MULCH)

SLOPES

- 3:1 (HORIZ/VERT.) OR FLATTER MULCH SHALL BE COVERED WITH MULCH
- SLOPES STEEPER THAN 3:1 OR DITCH BOTTOMS SHALL BE COVERED WITH EROSION CONTROL BLANKET.
- SEE PLAN FOR MORE DETAILED DITCH AND STEEP SLOPE EROSION CONTROL TREATMENTS.

TRAINING (PART III.A.2)

DESIGN ENGINEER: MATTHEW R. PAVEK P.E.
TRAINING COURSE: DESIGN OF SWPPP
TRAINING ENTITY: UNIVERSITY OF MINNESOTA
INSTRUCTOR: JOHN CHAPMAN
DATES OF TRAINING COURSE: 5/15/2011 - 5/16/2011
TOTAL TRAINING HOURS: 12
RE-CERTIFICATION: 3/16/2017 (8 HOURS), EXP. 5/31/2020

OWNER INFORMATION

OWNER:
UNITED PROPERTIES
651 NICOLLET MA
MINNEAPOLIS, MN 55402
CONTACT:
952-835-5300

SWPPP CONTACT PERSON

CONTRACTOR:

SWPPP INSPECTOR TRAINING:
ALL SWPPP INSPECTIONS MUST BE PERFORMED BY A PERSON THAT MEETS THE TRAINING REQUIREMENTS OF THE NPDES CONSTRUCTION SITE PERMIT.
TRAINING CREDENTIALS SHALL BE PROVIDED BY THE CONTRACTOR AND KEPT ON SITE WITH THE SWPPP

AREAS AND QUANTITIES (PART III.A.4.B&C):

SITE AREA CALCULATIONS			
	EXISTING CONDITION		PROPOSED CONDITION
BUILDING COVERAGE	0 SF	0.0%	39,817 SF 24.9%
ALL PAVEMENTS	17,563 SF	11.1%	55,809 SF 35.5%
ALL NON-PAVEMENTS	142,165 SF	88.5%	63,203 SF 39.5%
TOTAL SITE AREA	159,828 SF	100.0%	159,828 SF 100.0%

IMPERVIOUS SURFACE			
	EXISTING CONDITION		PROPOSED CONDITION
	17,563 SF	11.1%	
	96,625 SF	60.5%	
DIFFERENCE (EX. VS PROP.)	78,362 SF	49.4%	

EROSION CONTROL QUANTITIES			
DISTURBED AREA	147,684 SF	3.39 AC	
SILT FENCE/BIO-ROLL	±1700 LF		
EROSION CONTROL BLANKET	0 SF		
INLET PROTECTION DEVICES	±28 EA		

NOTE: QUANTITIES ARE FOR INFORMATIONAL PURPOSES ONLY. CONTRACTOR SHALL DETERMINE FOR THEMSELVES THE EXACT QUANTITIES FOR BIDDING AND CONSTRUCTION.

PARTY RESPONSIBLE FOR LONG TERM OPERATION AND MAINTENANCE OF PERMANENT STORM WATER MANAGEMENT SYSTEM

PERMANENT STORMWATER MANAGEMENT IS REQUIRED AS PART OF THIS PROJECT TO MEET NPDES PERMIT REQUIREMENTS. THE PROPERTY OWNER IS RESPONSIBLE FOR THE LONG TERM OPERATION AND MAINTENANCE OF THE PROPOSED STORMWATER SYSTEM.

SWPPP ATTACHMENTS (ONLY APPLICABLE IF SITE IS 1 ACRE OR GREATER):

CONTRACTOR SHALL OBTAIN A COPY OF THE FOLLOWING SWPPP ATTACHMENTS WHICH ARE A PART OF THE OVERALL SWPPP PACKAGE:
ATTACHMENT A. CONSTRUCTION SWPPP TEMPLATE - SITE SPECIFIC SWPPP DOCUMENT
ATTACHMENT B. CONSTRUCTION STORMWATER INSPECTION CHECKLIST
ATTACHMENT C. MAINTENANCE PLAN FOR PERMANENT STORMWATER TREATMENT SYSTEMS
ATTACHMENT D. STORMWATER MANAGEMENT REPORT - ON FILE AT THE OFFICE OF PROJECT ENGINEER, AVAILABLE UPON REQUEST.
ATTACHMENT E. GEOTECHNICAL EVALUATION REPORT - ON FILE AT THE OFFICE OF PROJECT ENGINEER, AVAILABLE UPON REQUEST.

SUPPLEMENTARY SITE SPECIFIC EROSION CONTROL NOTES:

THESE NOTES SUPERCEDE ANY GENERAL SWPPP NOTES.

THIS PROJECT IS GREATER THAN 1.0 ACRE SO AN NPDES PERMIT IS REQUIRED AND NEEDS TO BE SUBMITTED TO THE MPCA. THE CONTRACTOR IS REQUIRED TO FOLLOW THE GUIDELINES IN THE NPDES PERMIT THROUGHOUT CONSTRUCTION.

PROJECT NARRATIVE:

PROJECT IS A REDEVELOPMENT OF AN EXISTING VACANT LOT INTO A SENIOR HOUSING DEVELOPMENT WITH 148 UNITS. THE SITE IS 3.4 ACRES. MORE THAN ONE ACRE OF NEW IMPERVIOUS AREA WILL BE CONSTRUCTED. THE PROJECT WILL RETAIN 1.1 INCHES OF STORMWATER FROM NEW IMPERVIOUS SURFACES WITH UNDERGROUND INFILTRATION SYSTEM. PARKING, LANDSCAPING, SITE FURNISHING, GRADING, AND UTILITY IMPROVEMENTS WILL BE CONDUCTED. SITE OF THE PROJECT CONSIST OF HIGH TYPE B SOILS. TEMPORARY EROSION PREVENTION AND SEDIMENT CONTROL DEVICES, SUCH AS SILT FENCE, EROSION CONTROL BLANKET, INLET PROTECTION, AND SEEDING, WILL BE USED DURING CONSTRUCTION.

NATIVE BUFFER NARRATIVE:

PRESERVING A 50' NATURAL BUFFER AROUND WATER BODIES IS NOT REQUIRED AS PART OF THIS PROJECT BECAUSE WATER BODIES ARE NOT LOCATED ON SITE.

INFILTRATION NARRATIVE:

INFILTRATION IS PROVIDED AS PART OF THE PROJECT'S PERMANENT STORM WATER MANAGEMENT SYSTEM.

SOIL CONTAMINATION NARRATIVE:

SOILS ONSITE HAVE NOT BEEN IDENTIFIED AS CONTAMINATED. AN MPCA SOILS ASSESSMENT WAS COMPLETED AND IT WAS DETERMINED THAT THIS SITE IS APPROPRIATE FOR INFILTRATION.

SPECIAL TMDL BMP REQUIREMENTS SITE SPECIFIC (IF REQUIRED):

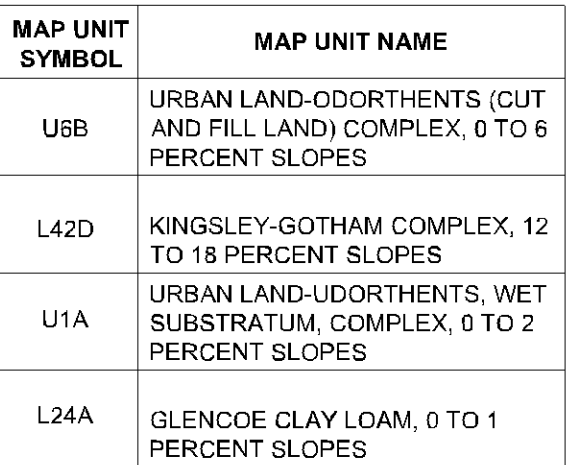
THIS PROJECT IS WITHIN ONE MILE AND DISCHARGES TO MINNEMILE CREEK WHICH IS IMPAIRED WATER BODIES PER THE MPCA'S 303(D) IMPAIRED WATERS LIST. MINNEMILE CREEK IS IMPAIRED FOR CHLORIDE AND FISHES BIOASSESSMENTS, WHICH ARE CONSIDERED CONSTRUCTION RELATED IMPAIRMENTS. BECAUSE THESE WATERS ARE LOCATED WITHIN ONE MILE OF THE SITE, BMP'S AS DEFINED IN THE NPDES PERMIT C.1 AND C.2 IN APPENDIX A APPLY. THESE ARE AS FOLLOWS:

1. DURING CONSTRUCTION:
 - a. STABILIZATION OF ALL EXPOSED SOIL AREAS MUST BE INITIATED IMMEDIATELY TO LIMIT SOIL EROSION BUT IN NO CASE COMPLETED LATER THAN SEVEN (7) DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED.
 - b. TEMPORARY SEDIMENT BASIN REQUIREMENTS DESCRIBED IN SECTION 14. MUST BE USED FOR COMMON DRAINAGE LOCATIONS THAT SERVE AN AREA WITH FIVE (5) OR MORE ACRES DISTURBED AT ONE TIME.

PERMANENT STABILIZATION NOTES SITE SPECIFIC:

SOILS INFORMATION

N/A



10. IF APPLICABLE, DESCRIBE ADDITIONAL EROSION PREVENTION BMPs
MINIMIZE SITE EXPOSURE IN AREAS ADJACENT TO INFILTRATION AREAS

197A

N/A

WITHIN 24 HOURS AFTER A RAINFALL EVENT GREATER THAN 0.5 INCHES IN 24 HOURS, AND WITHIN (7) DAYS AFTER THAT

FINAL STABILIZATION (M.C.)

UPON STABILIZATION DESCRIBED ABOVE, THE CONTRACTOR AND OWNER SHALL MUTUALLY TRANSFER THE NPDES PERMIT TO THE NEXT OWNER WITH DOCUMENTS DESCRIBING THE NATURE OF TERMINATION PROCEDURE

DOCUMENTATION OF INFEASIBILITY: (IF APPLICABLE)

The first step in the process of identifying a problem is to recognize that a problem exists. This is often done by comparing current performance with a desired state or goal. Once a problem is identified, the next step is to define the problem more precisely. This involves determining the scope of the problem, the resources available, and the constraints that may be affecting the problem. The third step is to analyze the problem. This involves identifying the causes of the problem and the relationships between the different elements of the problem. The fourth step is to develop a solution. This involves identifying the different options available and evaluating the pros and cons of each option. The fifth step is to implement the solution. This involves putting the solution into action and monitoring the results. The sixth step is to evaluate the solution. This involves comparing the results of the solution with the desired state or goal and determining whether the solution is effective.

**THE POINTE BLOOMINGTON
- PHASE 2**

5601 & 5501 AMERICAN BOULEVARD WEST, BLOOMINGTON, MN, 55437

UNITED PROPERTIES, LLC

3600 AMERICAN BOULEVARD WEST, SUITE 750, BLOOMINGTON, MN 55431

SW1.6

NOTE: THIS INSPECTION REPORT DOES NOT ADDRESS ALL ASPECTS OF THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM/STATE DISPOSAL SYSTEM (NPDES/SDS) CONSTRUCTION STORMWATER PERMIT ISSUED ON AUGUST 1, 2013. THE COMPLETION OF THIS CHECKLIST DOES NOT GUARANTEE THAT ALL PERMIT REQUIREMENTS ARE IN COMPLIANCE; IT IS THE RESPONSIBILITY OF THE PERMITTEE(S) TO READ AND UNDERSTAND THE PERMIT REQUIREMENTS.

SITE NAME: _____
FACILITY ADDRESS: _____ PERMIT NUMBER: _____
CITY: _____ STATE: _____ ZIP CODE: _____

INSPECTOR NAME: _____ PHONE NUMBER: _____
DATE (MM/DD/YYYY): _____ TIME: _____ AM / PM
IS THE INSPECTOR CERTIFIED IN SEDIMENT AND EROSION CONTROL AND IS IT DOCUMENTED IN THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP)?
IS THIS INSPECTION ROUTINE OR IN RESPONSE TO A STORM EVENT:
RAINFALL AMOUNT (IF APPLICABLE): _____
IS THE SITE WITHIN ONE AERIAL MILE OF A SPECIAL OR IMPAIRED WATER?
IF YES, FOLLOW APPENDIX A AND OTHER APPLICABLE PERMIT REQUIREMENTS

NOTE: IF N/A IS SELECTED AT ANY TIME, SPECIFY WHY IN THE COMMENT AREA FOR THAT SECTION

	Y	N	N/A
1. SOIL STABILIZATION WHERE NO CONSTRUCTION ACTIVITY FOR 14 DAYS? (7 DAYS WHERE APPLICABLE)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. HAS THE NEED TO DISTURB STEEP SLOPES BEEN MINIMIZED?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. ALL DITCHES STABILIZED 200' BACK FROM POINT OF DISCHARGE WITHIN 24 HOURS? (NOT MULCH)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. ARE THERE BMP'S FOR ONSITE STOCKPILES?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. ARE APPROPRIATE BMP'S INSTALLED PROTECTING INLETS/OUTLETS?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. DO PIPE OUTLETS HAVE ENERGY DISSIPATION?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

COMMENTS:

	Y	N	N/A
1. PERIMETER CONTROL INSTALLED ON ALL DOWN GRADIENT PERIMETERS?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. PERIMETER CONTROL TRENCHED IN WHERE APPROPRIATE?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. 50 FOOT NATURAL BUFFER MAINTAINED AROUND ALL SURFACE WATERS?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.1. IF NO HAVE REDUNDANT SEDIMENT CONTROLS BEEN INSTALLED?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. INLET PROTECTION ON ALL CATCH BASINS AND CULVERT INLETS?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. VEHICLE TRACKING BEST MANAGEMENT PRACTICES (BMP'S) AT ALL SITE EXITS?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. ALL TRACKED SEDIMENT REMOVED WITHIN 24 HOURS?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. ARE ALL INFILTRATION SYSTEMS STAKED AND MARKED TO AVOID COMPACTION?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. ARE ALL INFILTRATION AREAS PROTECTED WITH A PRETREATMENT DEVICE?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. DO ALL STOCKPILES HAVE PERIMETER CONTROLS?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

COMMENTS:

1.	ARE ALL PREVIOUSLY STABILIZED AREAS MAINTAINING 90% GROUND COVER?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.	ANY DITCH EROSION OBSERVED?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.	PERIMETER CONTROL—HAS SEDIMENT REACHED ONE HALF THE HEIGHT OF THE DEVICE?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.	ARE INLET PROTECTION DEVICES MAINTAINED AND FUNCTIONING PROPERLY?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

COMMENTS:

1.	ARE ALL MATERIALS THAT CAN LEACH POLLUTANTS UNDER COVER?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.	HAS ACCESS BEEN RESTRICTED TO ONSITE HAZARDOUS MATERIALS?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.	DOES ON-SITE FUELING ONLY OCCUR IN A CONTAINED AREA?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.	ARE ALL SOLID WASTES BEING PROPERLY DISPOSED OF?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5.	IS THE CONCRETE WASHOUT AREA COMPLETELY CONTAINED?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6.	IS THE CONCRETE WASHOUT AREA MARKED WITH SIGN?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

COMMENTS:

7. WERE ANY DISCHARGES SEEN DURING THIS INSPECTION, SEDIMENT, WATER, OR OTHERWISE? Y ☐ N ☐ N/A ☐
- 7.1. IF YES, STATE THE EXACT LOCATION OF ALL POINTS OF DISCHARGE, PHOTOGRAPH THE DISCHARGE AND DESCRIBE THE DISCHARGE (COLOR, ODOR, FOG, OIL, SHEEN, ETC); HOW WILL IT BE REMOVED? HOW DID THE DISCHARGE HAPPEN? HOW MUCH WAS DISCHARGED? HOW WILL IT BE STOPPED, AND HOW LONG WILL IT TAKE TO STOP? IS THE DISCHARGE GOING INTO AN ADJACENT SITE? WAS THE DISCHARGE A SEDIMENT DELTA? IF YES, WILL THE DELTA BE RECOVERED WITHIN 7 DAYS?

8. WILL A PERMANENT STORMWATER MANAGEMENT SYSTEM BE UTILIZED IN THIS PROJECT AS REQUIRED AND IN ACCORDANCE WITH PART III.D OF THE PERMIT? DESCRIBE:

- | | | | | |
|--|--|--------------------------|--------------------------|--------------------------|
| 9. IS ANY DEWATERING OCCURRING ON SITE? | | Y | N | N/A |
| | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 9.1. IF YES, WHERE? WHAT BMP IS BEING USED? HOW MUCH WATER IS BEING DEWATERED? IS THE WATER CLEAR? WHERE IS THE WATER BEING DISCHARGED TO? | | | | |

- | | | | | | | |
|-------|--|--------------------------|-------------------------------------|---|--|----|
| 10. | IS A COPY OF THE SWPPP LOCATED ON THE CONSTRUCTION SITE? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | N | | NA |
| 11. | HAS THE SWPPP BEEN FOLLOWED AND IMPLEMENTED ON SITE? | <input type="checkbox"/> | <input type="checkbox"/> | | | |
| 12. | IS A SEDIMENTATION BASIN REQUIRED FOR THIS PROJECT AS SPECIFIED IN THE PERMIT? | <input type="checkbox"/> | <input type="checkbox"/> | | | |
| 12.1. | IF YES, ARE THEY MAINTAINED AS SPECIFIED IN THE PERMIT? | <input type="checkbox"/> | <input type="checkbox"/> | | | |
| 13. | IS THE TOPSOIL ON THIS PROJECT BEING PRESERVED? | <input type="checkbox"/> | <input type="checkbox"/> | | | |
| 13.1. | IF YES, EXPLAIN HOW THE TOP SOIL IS BEING PRESERVED. IF NO, EXPLAIN WHY IT WAS INFEASIBLE. | | | | | |

- | | Y | N | N/A |
|--|--------------------------|--------------------------|--------------------------|
| 14. ARE ALL INFILTRATION SYSTEMS MARKED TO AVOID COMPACTION? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 14.1. DO ALL INFILTRATION AREAS HAVE PRETREATMENT DEVICES? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

15. DESCRIPTION OF AREAS OF NON-COMPLIANCE NOTED DURING THE INSPECTION, REQUIRED CORRECTIVE ACTIONS, AND RECOMMENDED DATE OF COMPLETION OF CORRECTIVE ACTIONS:

- ## 16. PROPOSED AMENDMENTS TO THE SWPPP:

17. POTENTIAL AREAS OF FUTURE CONCERN:

18. ADDITIONAL COMMENTS

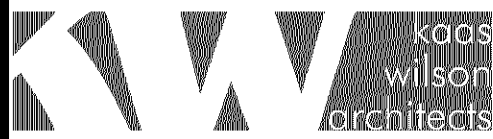
DISCLOSURES:

- AFTER DISCOVERY, THE PERMIT REQUIRES MANY OF THE DEFICIENCIES THAT MAY BE FOUND IN THIS CHECKLIST BE CORRECTED WITHIN A SPECIFIED PERIOD OF TIME. SEE PERMIT FOR MORE DETAILS.
- THIS INSPECTION CHECKLIST IS AN OPTION FOR SMALL CONSTRUCTION SITES. LARGE CONSTRUCTION SITES AND LINEAR PROJECTS REQUIRE MORE EXTENSIVE/MORE LOCATION SPECIFIC INSPECTION REQUIREMENTS.
- THE PERMITEE(S) IS/ARE RESPONSIBLE FOR THE INSPECTION AND MAINTENANCE OF TEMPORARY AND PERMANENT WATER QUALITY MANAGEMENT BMP'S AS WELL AS EROSION PREVENTION AND SEDIMENT CONTROL BMP'S UNTIL
- ANOTHER PERMIT HAS OBTAINED COVERAGE UNDER THIS PERMIT ACCORDING TO PART II.B.5. OR THE PROJECT HAS UNDERGONE FINAL STABILIZATION AND A NOTICE OF TERMINATION HAS BEEN SUBMITTED TO THE MPCA.

ATTACHMENT C - CHAMBER
FACILITY MANAGEMENT SCHEDULE

1. ALL GRIT CHAMBERS, SUMP CATCH BASINS, SUMP MANHOLES, OUTLET STRUCTURES, CULVERTS, OUTFALL STRUCTURES AND OTHER STORM WATER FACILITIES FOR WHICH MAINTENANCE REQUIREMENTS ARE NOT OTHERWISE SPECIFIED HEREIN MUST BE INSPECTED IN THE SPRING, SUMMER AND FALL OF EACH YEAR, WITHIN 30 DAYS OF THE INSPECTION DATE, ALL ACCUMULATED SEDIMENT AND DEBRIS MUST BE REMOVED SUCH THAT EACH STORM WATER FACILITY OPERATES AS DESIGNED AND PERMITTED. CONTRIBUTING DRAINAGE AREAS MUST BE KEPT CLEAR OF LITTER AND VEGETATIVE DEBRIS, INFLOW PIPES AND OVERFLOW SPILLWAYS KEPT CLEAR, INLET AREAS KEPT CLEAN, AND LITTER AND VEGETATIVE DEBRIS REMOVED FROM THE SURFACE OF THE DRAINAGE AREA OF THE FACILITIES. IF ANY WILL BE CORRECTED, AND ANY STRUCTURAL DAMAGE IMPAIRING OR THREATENING TO IMPAIR THE FUNCTION OF THE FACILITIES MUST BE REPAIRED.
2. VOLUME CONTROL FACILITIES AND CONTRIBUTING DRAINAGE AREAS MUST BE INSPECTED EVERY THREE MONTHS DURING THE OPERATIONAL PERIOD (BETWEEN SPRING SNOWMELT AND FIRST SUBSTANTIAL SNOWFALL) AND MONITORED AFTER RAINFALL EVENTS OF 1 INCH OR MORE TO ENSURE THAT THE CONTRIBUTING DRAINAGE AREA IS CLEAR OF LITTER AND DEBRIS, INFLOW PIPES AND OVERFLOW SPILLWAYS ARE CLEAR, INLET AREAS ARE CLEAN, UNDESIRABLE VEGETATION IS REMOVED AND THERE IS NO EROSION IMPAIRING OR THREATENING TO IMPAIR THE FUNCTION OF A FACILITY. IF SEDIMENT HAS ACCUMULATED IN A INFILTRATION FEATURE, WITHIN 30 DAYS OF INSPECTION DEPOSITED SEDIMENTS MUST BE REMOVED, THE INFILTRATION CAPACITY OF THE UNDERLYING SOILS MUST BE RESTORED, AND ANY SURFACE DISTURBANCE MUST BE STABILIZED. INSPECTION MUST ENSURE THAT SEDIMENT TRAPS AND FOREBAYS ARE TRAPPING SEDIMENT AND THAT MORE THAN 50 PERCENT OF THE STORAGE VOLUME REMAINS, THE CONTRIBUTING DRAINAGE AREA IS STABLE (I.E., NO EROSION IS OBSERVED), AND INLETS AND OUTLET/TOE/overflow SPILLWAYS ARE IN GOOD CONDITIONS WITH NO EROSION. MAINTENANCE AND REPAIRS MUST BE USED TO PROTECT THE INFILTRATION CAPACITY OF THE PRACTICE BY LIMITING SOIL COMPACTION TO THE GREATEST EXTENT POSSIBLE (E.G., BY USING LOW-IMPACT EARTH-MOVING EQUIPMENT).
3. UNDERGROUND STORAGE CHAMBERS MUST BE INSPECTED AT LEAST ONCE A YEAR TO ENSURE THAT ADEQUATE STORAGE CAPACITY REMAINS. CAPACITY WILL BE CONSIDERED INADEQUATE IF SEDIMENT HAS DECREASED THE STORAGE VOLUME BY 50 PERCENT OF ITS ORIGINAL DESIGN VOLUME. ACCUMULATED DEBRIS AND SEDIMENT WILL BE REMOVED, AND INLET AND OUTLET STRUCTURES WILL BE CLEANED OF ANY FLOW IMPEDIMENTS.

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PROJECT

THE POINTE BLOOMINGTON
- PHASE 2

5601 & 5501 AMERICAN BOULEVARD WEST, BLOOMINGTON, MN, 55437

UNITED PROPERTIES, LLC

3600 AMERICAN BOULEVARD WEST, SUITE 750, BLOOMINGTON, MN 55431

I HEREBY CERTIFY THAT THIS PLAN,
SPECIFICATION, OR REPORT WAS
PREPARED BY ME OR UNDER MY DIRECT
SUPERVISION AND THAT I AM A DULY
LICENSED PROFESSIONAL ENGINEER
UNDER THE LAWS OF THE STATE OF
MINNESOTA.


Matthew R. Pavek
DATE 03/20/20 LICENSE NO. 44263

ISSUE/SUBMITTAL SUMMARY

DATE	DESCRIPTION
10/08/19	CITY SUBMITTAL
10/30/19	CITY RESUBMITTAL
02/07/20	CITY RESUBMITTAL
02/24/20	WATERSHED SUBMITTAL
03/20/20	PERMIT SET

[illegible]

DRAWN BY:BN REVIEWED BY:DK
PROJECT NUMBER: 17157.01

REVISION SUMMARY

[illegible]SWPPP -
ATTACHMENTS

SW1.7