

CIVIL AND ENVIRONMENTAL
ENGINEERING SERVICES
10830 NESBITT AVENUE SOUTH
BLOOMINGTON, MINNESOTA 55437
(952) 881-3344 TELEPHONE
(952) 881-1913 FAX
WWW.SUNDE-ENG.COM

VERIZON
WIRELESS

BLOOMINGTON, MN

DATE	REVISION
8/26/20	ORIGINAL PLAN DATE
7/24/20	95% SET
8/12/20	90% SET

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

Mike R. Kettler
DATE: 6/26/20 REG. NO.: 40425

INFORMATION:

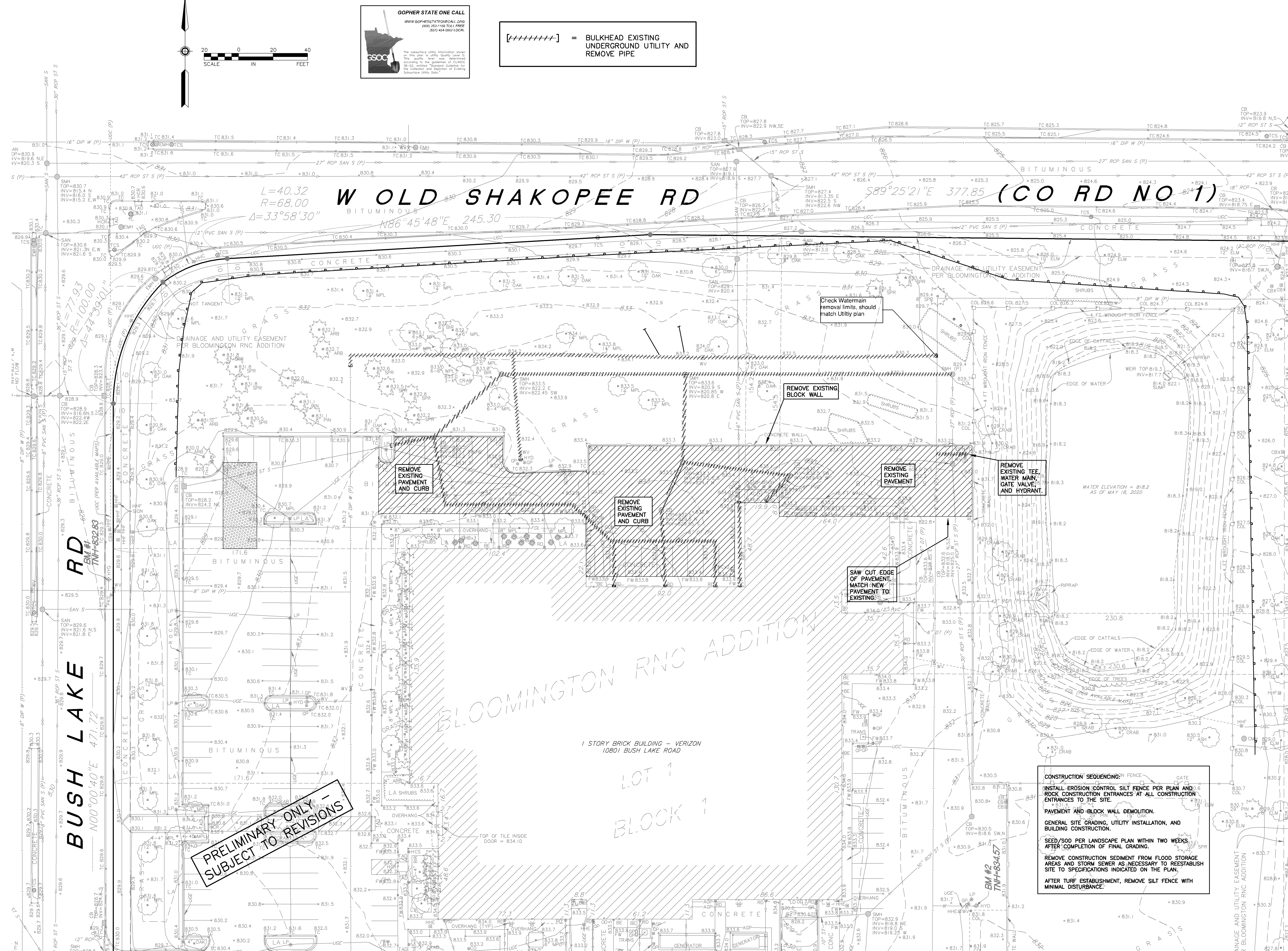
PROJECT NO.: 05-877
DRAWN BY: JM
CHECKED BY: MK
APPROVED BY: MK
SCALE:
DATE: 6/26/20

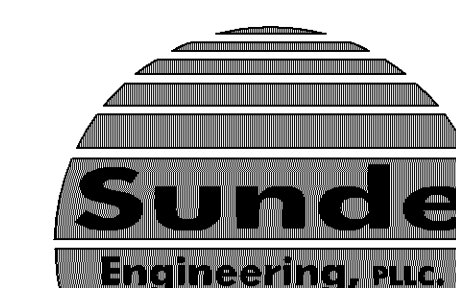
DESCRIPTION:
DEMOLITION PLAN

SHEET NO:

C0

1 of 5





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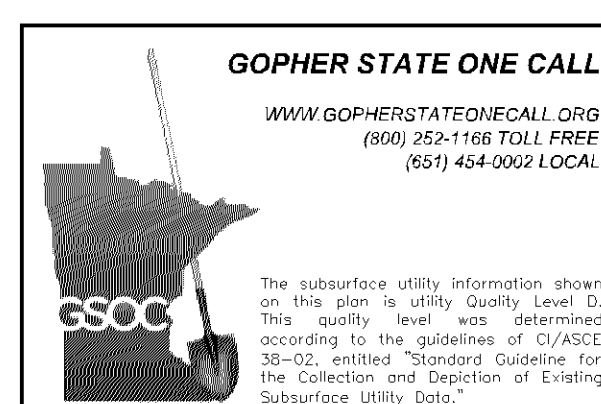
PROJECT NO.: 05-877
DRAWN BY: JM
CHECKED BY: MK
APPROVED BY: MK
SCALE:
DATE: 6/26/20

DESCRIPTION:
GRADING,
DRAINAGE, AND
EROSION
CONTROL PLAN

SHEET NO.:

C1

2/05



[////////] = BULKHEAD EXISTING
UNDERGROUND UTILITY AND
REMOVE PIPE

Please remove contour lines from
utility plans to improve clarity

Show clearance
between sewers,
manholes and
watermain, may require
insulation.

PRELIMINARY ONLY -
SUBJECT TO REVISIONS

1 STORY BRICK BUILDING - VERIZON
10801 BUSH LAKE ROAD

LOT 1
BLOCK 1

EROSION CONTROL
BLANKET (WOOD FIBER
2 SIDED AND
STAPLED). SEE DETAIL
FOR INSTALLATION.

EXISTING POND EXPANSION TO
PROVIDE FOR REQUIRED RATE,
WATER QUALITY AND VOLUME.
CONTROL FOR NEWLY CREATED
IMPERVIOUS SURFACING.

NURP ponds are not
considered a volume
control practice

Grant new
sidewalk/bikeway
assessment to cover new
8' sidewalk.

REMOVE EXISTING
SIDEWALK AND
REPLACE WITH 8'
WIDE CONCRETE
SIDEWALK.

4 ST. S. MH
TOP = 831.15
INV. = 822.61

10 ST. S. CB
TOP = 831.00
INV. = 822.65

11 ST. S. CB
TOP = 831.00
INV. = 821.78

12 ST. S. CB
TOP = 831.00
INV. = 820.93

5 ST. S. MH
TOP = 831.10
INV. = 819.91

REMOVE EXISTING
SIDEWALK AND
REPLACE WITH 8'
WIDE CONCRETE
SIDEWALK.

13 ST. S. CB
TOP = 831.00
INV. = 820.07

SUPPLY SCISSOR
HYDRODYNAMIC
SEPERATORING SC4
MANHOLE AT BULKHEAD
OR APPROVED EQUAL
FOR PRE-TREATMENT
OF NEWLY CREATED
IMPERVIOUS SURFACING.

14 ST. S. CB
TOP = 830.70
INV. = 819.47

17 18" HDPE APRON
INV. = 818.00

UNDERWATER
CONTOURS
BASED ON
ORIGINAL DESIGN
GRADES. FIELD
VERIFY.

CLASS III
HAND PLACED
RIP RAP TO
POND BOTTOM

16 ST. S. MH
TOP = 832.80
INV. = 822.84

CONCRETE PAD
AT 833.20

15 ST. S. CB
TOP = 833.60
INV. = 825.33

CONNECT STORM
SEWER TO EXISTING
MANHOLE
INV. = 819.43
FIELD VERIFY LOCATION
AND ELEVATION PRIOR
TO LAYING PIPE
UPSTREAM. ADJUST
RIM ELEVATION =
830.80.

1 ST. S. CB
TOP = 833.00
INV. = 826.00

CONSTRUCT
MANHOLE OVER
EXISTING STORM
SEWER

FOUNDATION
STOOP AT EXIT
DOOR PER
STRUCTURAL
DETAIL

2 ST. S. MH
TOP = 833.20
INV. = 824.16

CONSTRUCT
MANHOLE OVER
EXISTING STORM
SEWER

3 ST. S. MH
TOP = 831.50
INV. = 823.33

7 ST. S. MH
TOP = 830.85
INV. = 824.50

REMOVE EXISTING
SIDEWALK AND
REPLACE WITH 8'
WIDE CONCRETE
SIDEWALK.
EXTEND NEW
SIDEWALK TO END
OF PROPERTY

6 ST. S. CB
TOP = 828.80
INV. = 825.00

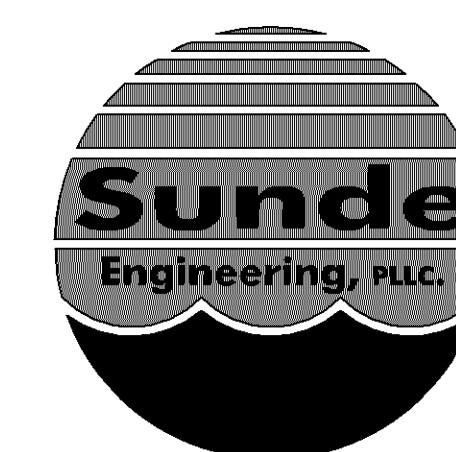
TEMPORARY
ROCK
CONSTRUCTION
ENTRANCE

REMOVE EXISTING
SIDEWALK AND
REPLACE WITH 8'
WIDE CONCRETE
SIDEWALK.

Ensure that all replaced
walk is in ADA
compliance.

RD
BUSH LAKE
RD

BUSH LAKE
RD



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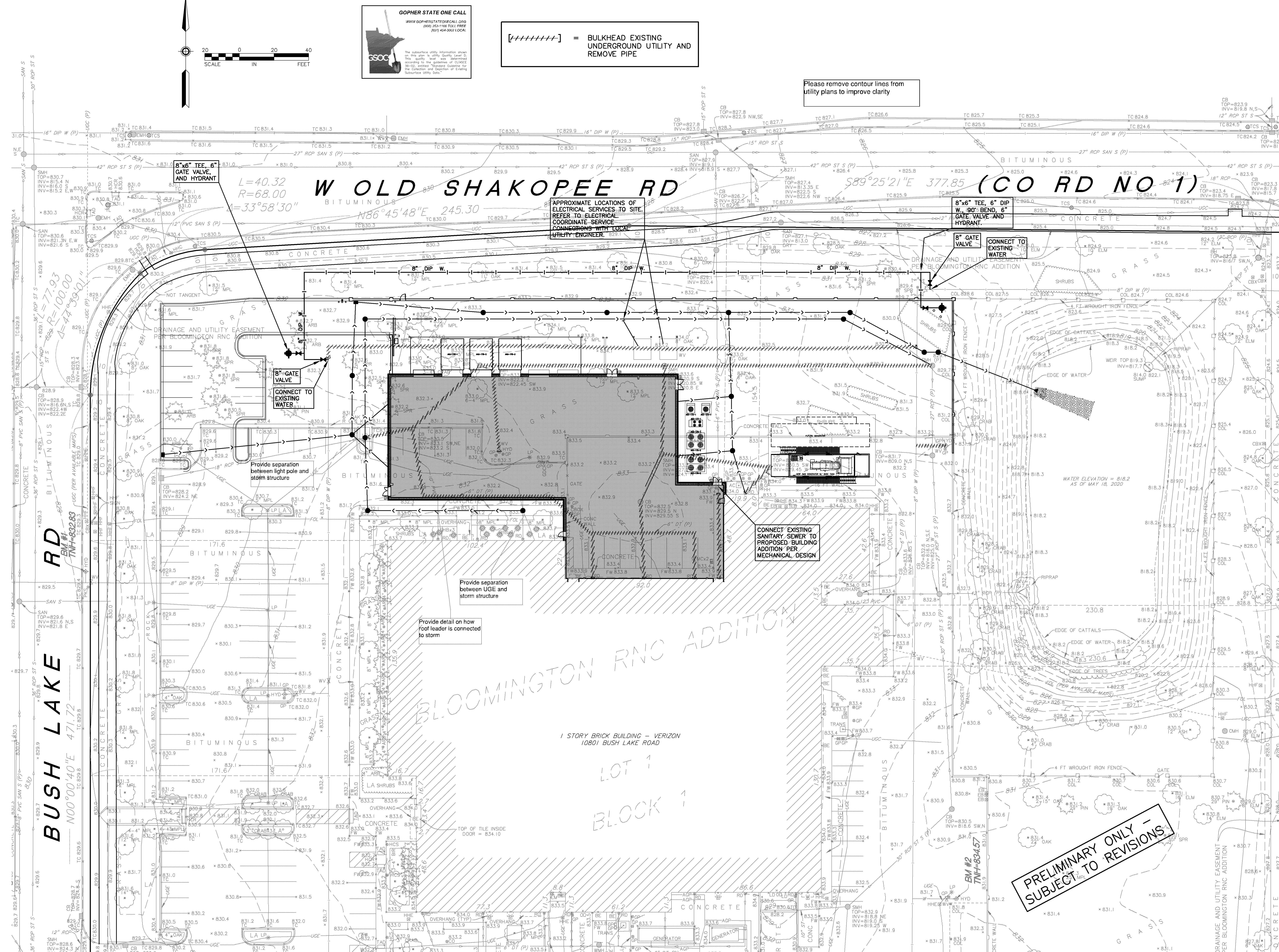
DESCRIPTION:

SITE UTILITIES

SHEET NO:

C2

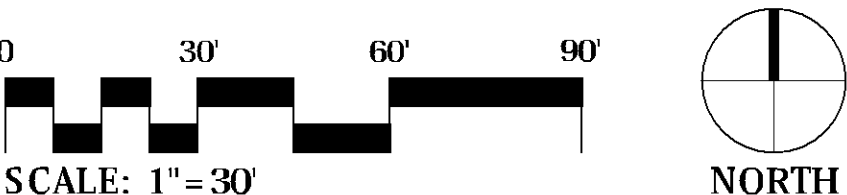
3/05



170 EXISTING TREES

290 EXISTING SHRUBS

SEE SHEET L006 FOR CITY OF BLOOMINGTON
LANDSCAPE REQUIREMENTS AND PLANT
MATERIAL TABULATIONS



I hereby certify that this document was prepared by me or under my direct supervision and that I am a duly licensed Landscape Architect under the laws of the State of Minnesota.

Name
Registration#

Signature	Date
-----------	------

[illegible]

**DF/ DAMON FARBER
LANDSCAPE ARCHITECTS**
310 South 4th Avenue, Suite 7050
Minneapolis, MN 55415 p: 612.332.7522

verizon ✓
BLOOMINGTON MSC EXPANSION
10801 BUSH LAKE ROAD
BLOOMINGTON, MN.

[illegible]

NETWORK COMPLIANCE SUBMITTALS	DATE
ISSUED FOR 90% REVIEW	06/21/2020
ISSUED FOR CITY REVIEW	09/02/2020

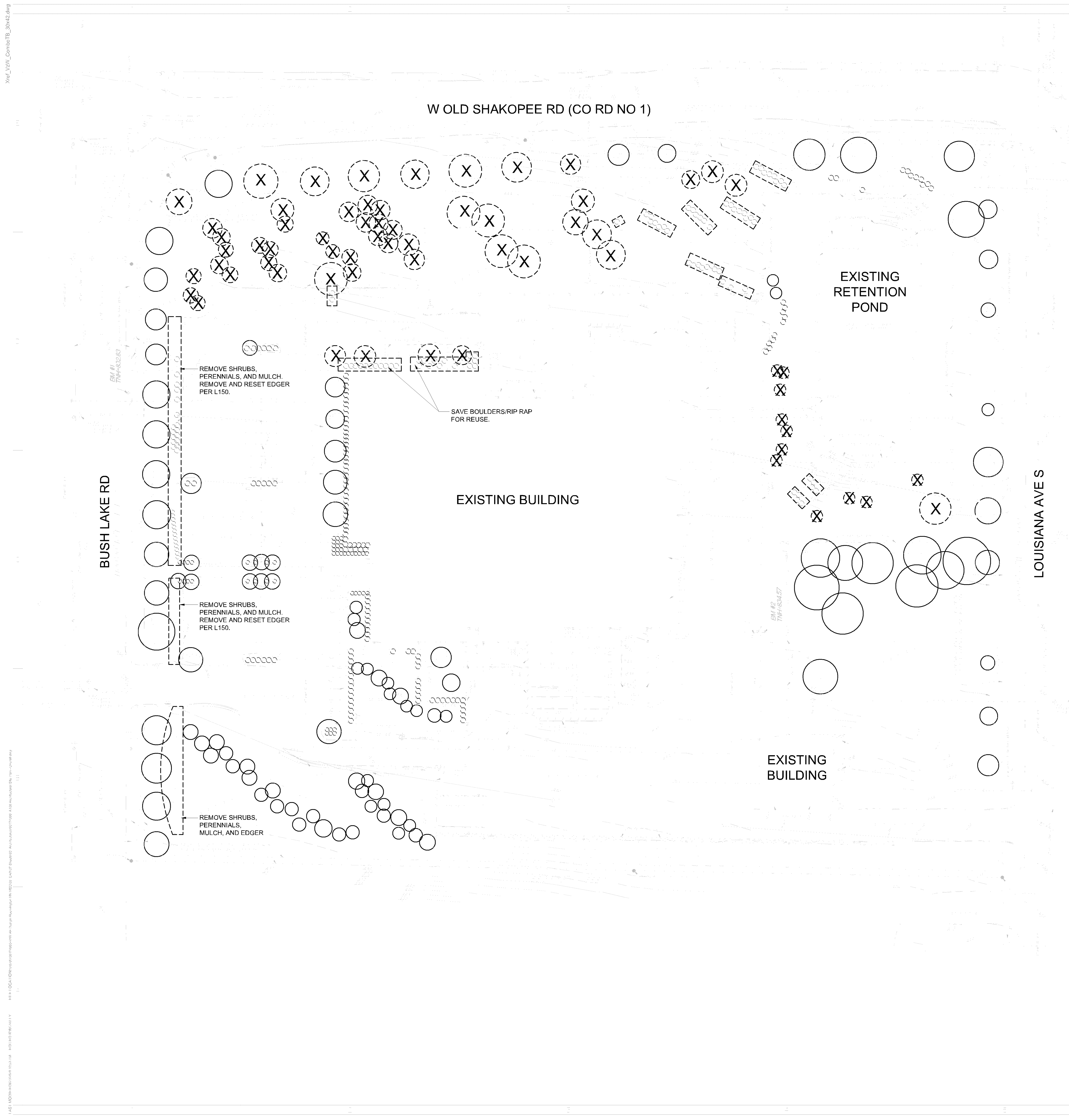
PROJECT NO:	200174900	STAMP
CAD DWG FILE:		
DESIGNED BY:	MJR	
DRAWN BY:	MJR	
CHECKED BY:	TW	
COPYRIGHT:	APRIL, 2020	

SHEET TITLE

EXISTING
LANDSCAPE SURVEY

SHEET NUMBER

L004



LANDSCAPE LEGEND AND PLANT TABULATIONS

- | | | |
|---|------------|---------------------------------|
|  | 170 | EXISTING TREES (SHEET L004) |
|  | 64 | TREES REMOVED |
| | <u>15</u> | <u>TREES ADDED (SHEET L150)</u> |
| | 121 | TOTAL TREES |

City Code requires 1 tree per 2,500 square feet of lot area. Given the size of the property 157 trees are required. The plan is deficient as currently depicted.

- | | | |
|---|------------|----------------------------------|
|  | 290 | EXISTING SHRUBS (SHEET L004) |
|  | 101 | SHRUBS REMOVED |
| | <u>415</u> | <u>SHRUBS ADDED (SHEET L150)</u> |
| | 604 | TOTAL SHRUBS |

City Code requires 1 shrub per 1,000 square feet of lot area. Given the size of the property, 392 trees are required. The plan meets required the shrub quantity.

CITY OF BLOOMINGTON LANDSCAPE REQUIREMENTS

1 TREE PER 2,500 SF SITE AREA
1 SHRUB PER 1,000 SF SITE AREA

175,228 SF TOTAL SITE AREA

175,288 / 2,500 = **70 TREES REQUIRED**
121 TREES PROVIDED

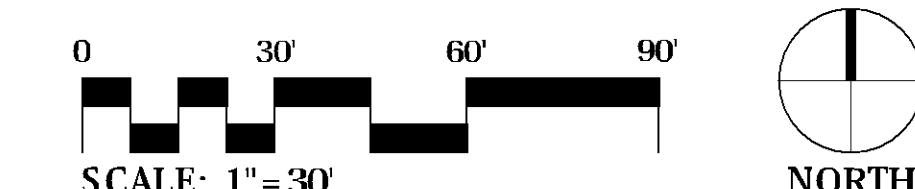
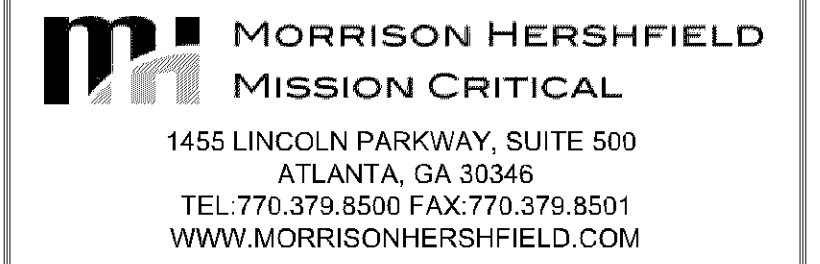
175,288 / 1,000 = **175 SHRUBS REQUIRED**
604 SHRUBS PROVIDED

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Registration# _____

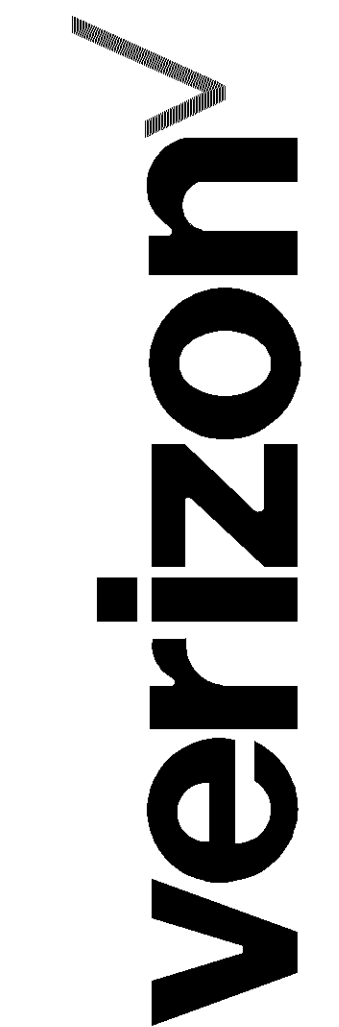
Signature	Date
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SUBCONSULTANT

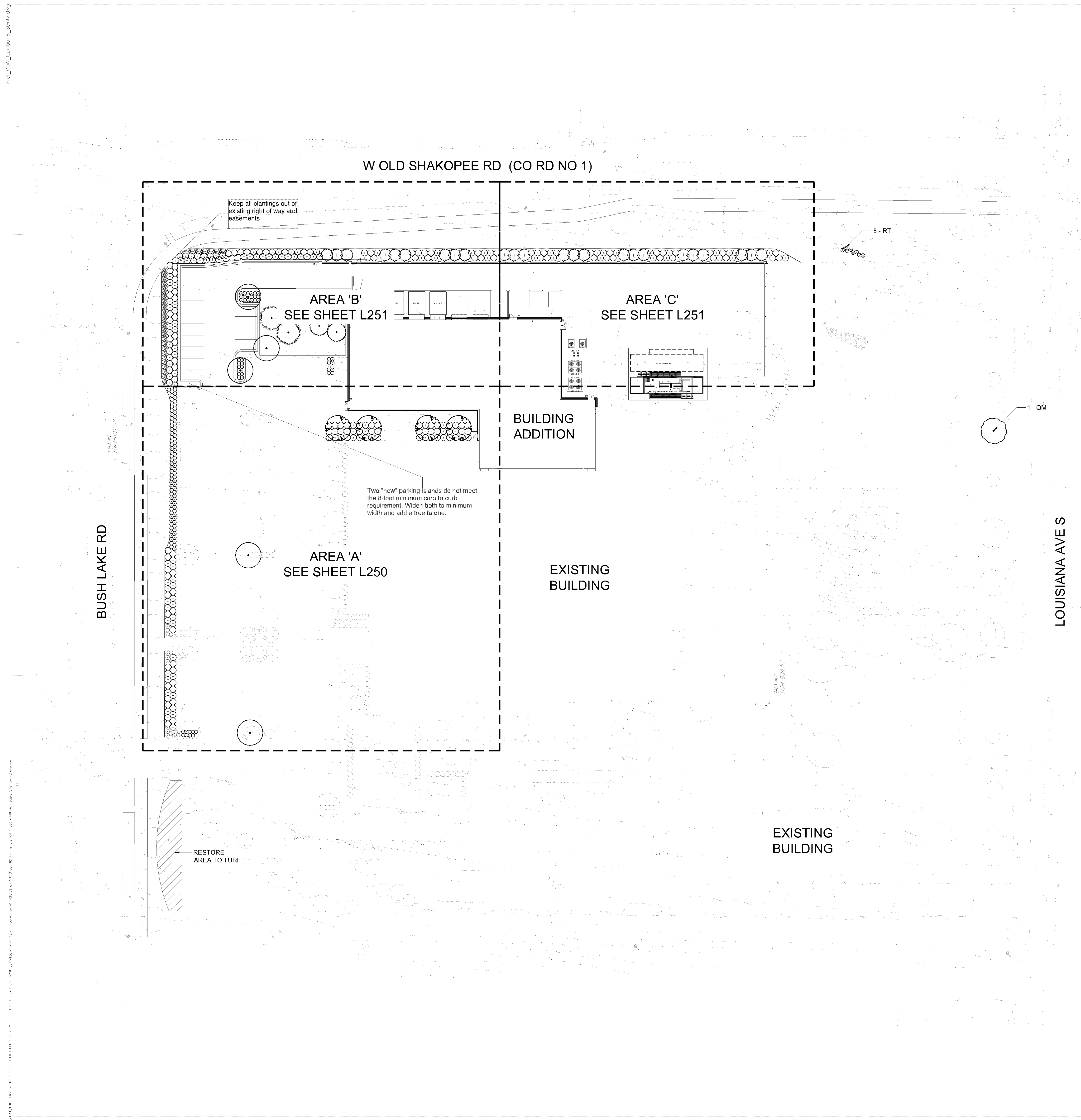


NOT FOR
CONSTRUCTION



BLOOMINGTON MSC EXPANSION
10801 BUSH LAKE ROAD
BLOOMINGTON, MN.

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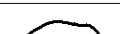
**NOTE: REFER TO SHEET L006 FOR
CITY OF BLOOMINGTON LANDSCAPE
REQUIREMENTS AND SITE LANDSCAPE
TABULATIONS**

PLANTING LEGEND

EXISTING TREE

 EXISTING SHRUB

PLANT SCHEDULE OVERALL

PLANT SCHEDULE OVERVIEW			
DECIDUOUS TREES	CODE	QTY	BOTANICAL / COMMON NAME
	QM	1	QUERCUS MACROCARPA / BURR OAK
DECIDUOUS SHRUBS	CODE	QTY	BOTANICAL / COMMON NAME
	RT	8	RHUS TYPHINA / STAGHORN SUMAC

SEE SHEET L500 FOR PLANTING DETAILS



This breaking ADE directed door for the use of certain Address and must only be used by certain Address employees, contractors, and visitors who performing the ADE system in the breaking. Any other use of the breaking is forbidden.



1455 LINCOLN PARKWAY, SUITE 500
ATLANTA, GA 30346
TEL: 770.379.8500 FAX: 770.379.8501
WWW.MORRISONHERSHFIELD.COM

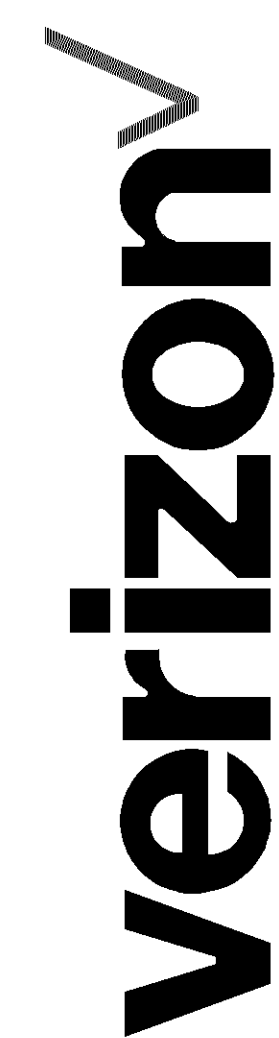
20. For each drawing, determine what is a
conclusion and which statements are the basis of
conclusions. In addition to conclusions to draw from
the information about the other drawing,
conclude from the drawing the conclusion of the
other drawing. A drawing and conclusion remain
the property of the other drawing.

SUBCONSULTANT



310 South 4th Avenue, Suite 7050
Minneapolis, MN 55415 p: 612.332.7522

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BLOOMINGTON MSC EXPANSION
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BLOOMINGTON, MN.



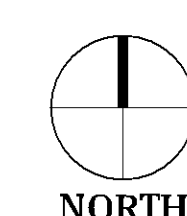
BLOOMINGTON MSC EXPANSION
10801 BUSH LAKE ROAD
BLOOMINGTON, MN.

PROJECT NO:	200174900	STAMP
CAD DWG FILE:		
DESIGNED BY:	MJR	
DRAWN BY:	MJR	
CHECKED BY:	TW	
COPYRIGHT:	APRIL, 2020	

SHEET NUMBER **L250**

SEE SHEET L500 FOR PLANTING DETAILS

Signature	Date
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Xref_Vis_Vis_Contrib_30x12.dwg

1/1

1/1

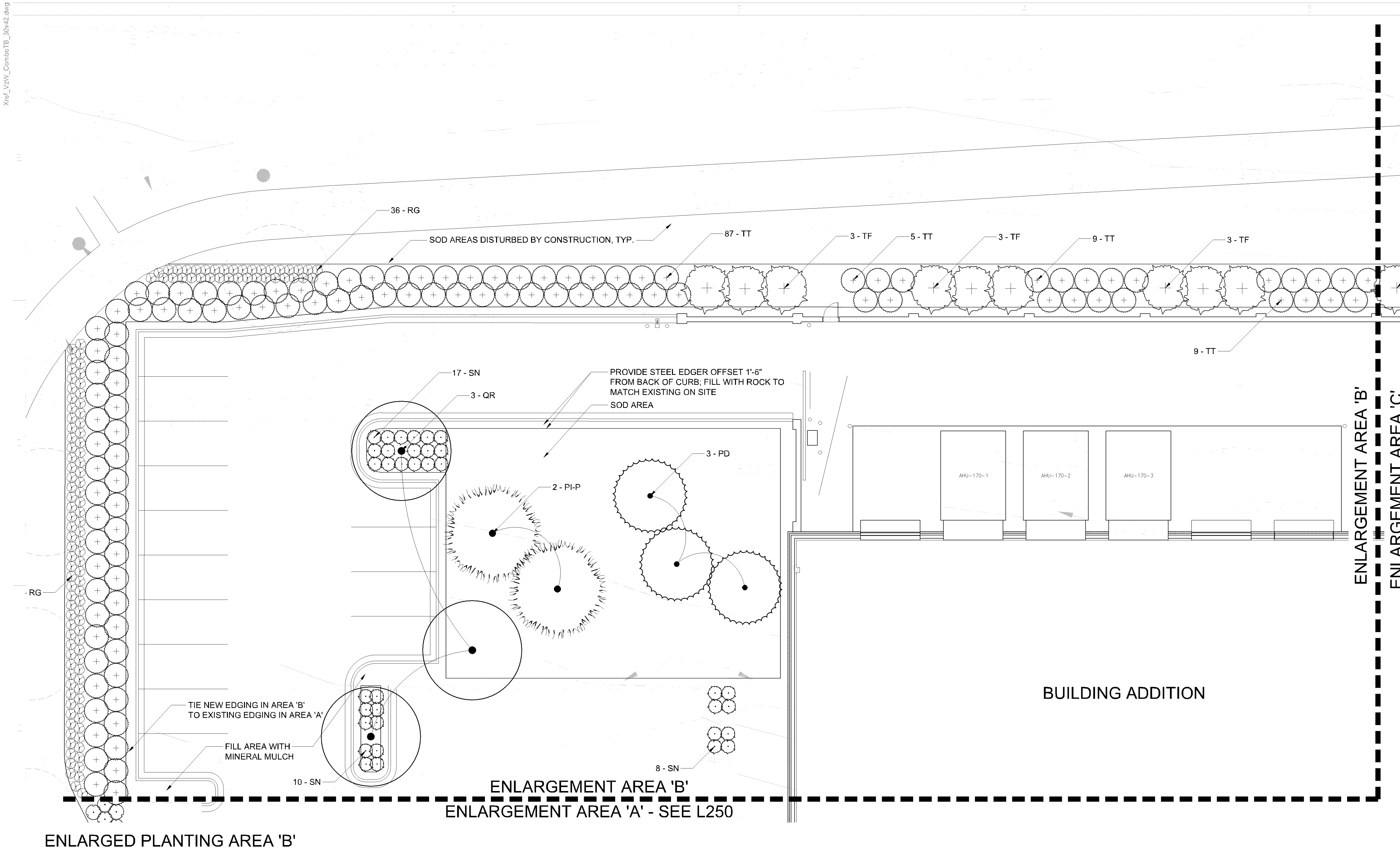
1/1

1/1

1/1

1/1

LAST MODIFIED: 04/10/2020 10:00 AM BY: MJD
FILE LOCATION: C:\Users\MJD\OneDrive\Documents\Bloomington\Bloomington_Landscape\Bloomington_Landscape.dwg



NOTE: REFER TO SHEET L006 FOR CITY OF BLOOMINGTON LANDSCAPE REQUIREMENTS AND SITE LANDSCAPE TABULATIONS

PLANTING LEGEND

EXISTING TREE

EXISTING SHRUB

PLANT SCHEDULE - AREA 'B'

COD E	QT Y	BOTANICAL / COMMON NAME
QR	3	QUERCUS RUBRA / RED OAK
COD E	QT Y	BOTANICAL / COMMON NAME
PD	3	PICEA GLAUCA 'DENSATA' / BLACK HILLS SPRUCE
PI-P	2	PINUS PONDEROSA / PONDEROSA PINE
COD E	QT Y	BOTANICAL / COMMON NAME
SN	35	SPIRAEA X BUMALDA 'NEON FLASH' / NEON FLASH SPIREA
COD E	QT Y	BOTANICAL / COMMON NAME
TF	9	TAXUS CUSPIDATA 'FASTIGIATE' / UPRIGHT JAPANESE YEW
TT	110	TAXUS X MEDIA 'TAUNTONII' / TAUNTON'S YEW
COD E	QT Y	BOTANICAL / COMMON NAME
RG	127	RUDBECKIA FULGIDA SULLIVANTII 'GOLDSTURM' / BLACK-EYED SUSAN

SEE SHEET L500 FOR PLANTING DETAILS

PLANT SCHEDULE - AREA 'C'

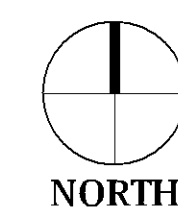
COD E	QT Y	BOTANICAL / COMMON NAME
TF	15	TAXUS CUSPIDATA 'FASTIGIATE' / UPRIGHT JAPANESE YEW
TT	41	TAXUS X MEDIA 'TAUNTONII' / TAUNTON'S YEW

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Name
Registration#

Signature Date

0 10' 20' 30'
SCALE: 1" = 10'



verizon

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MORRISON HERSHFIELD
MISSION CRITICAL
1455 LINCOLN PARKWAY, SUITE 500
ATLANTA, GA 30346
TEL: 770.378.8500 FAX: 770.378.8501
WWW.MORRISONHERSFIELD.COM

2017-2018 DESIGN CONSTRUCTION PROJECTS
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SUBCONSULTANT

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CONSTRUCTION

verizon
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10801 BUSH LAKE ROAD
BLOOMINGTON, MN.

REV DESCRIPTION DATE

NETWORK COMPLIANCE SUBMITTALS DATE
ISSUED FOR 90% REVIEW 04/21/2020
ISSUED FOR CITY REVIEW 04/22/2020

PROJECT NO: 220174600
CAD DWG FILE:
DESIGNED BY: MJD
DRAWN BY: MJD
CHECKED BY: TW
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SHEET TITLE
ENLARGED PLANTING
PLANS 'B' AND 'C'

SHEET NUMBER
L251

