

DIAMOND GRAPHICS BUILDING ADDITION

CONSTRUCTION PLANS FOR AGGREGATE BASE, BITUMINOUS PAVEMENT, CURB & GUTTER, GRADING, STORM SEWER AND MISCELLANEOUS CONSTRUCTION FOR VANGUARD CONSTRUCTION CITY OF RAMSEY

GOVERNING SPECIFICATIONS

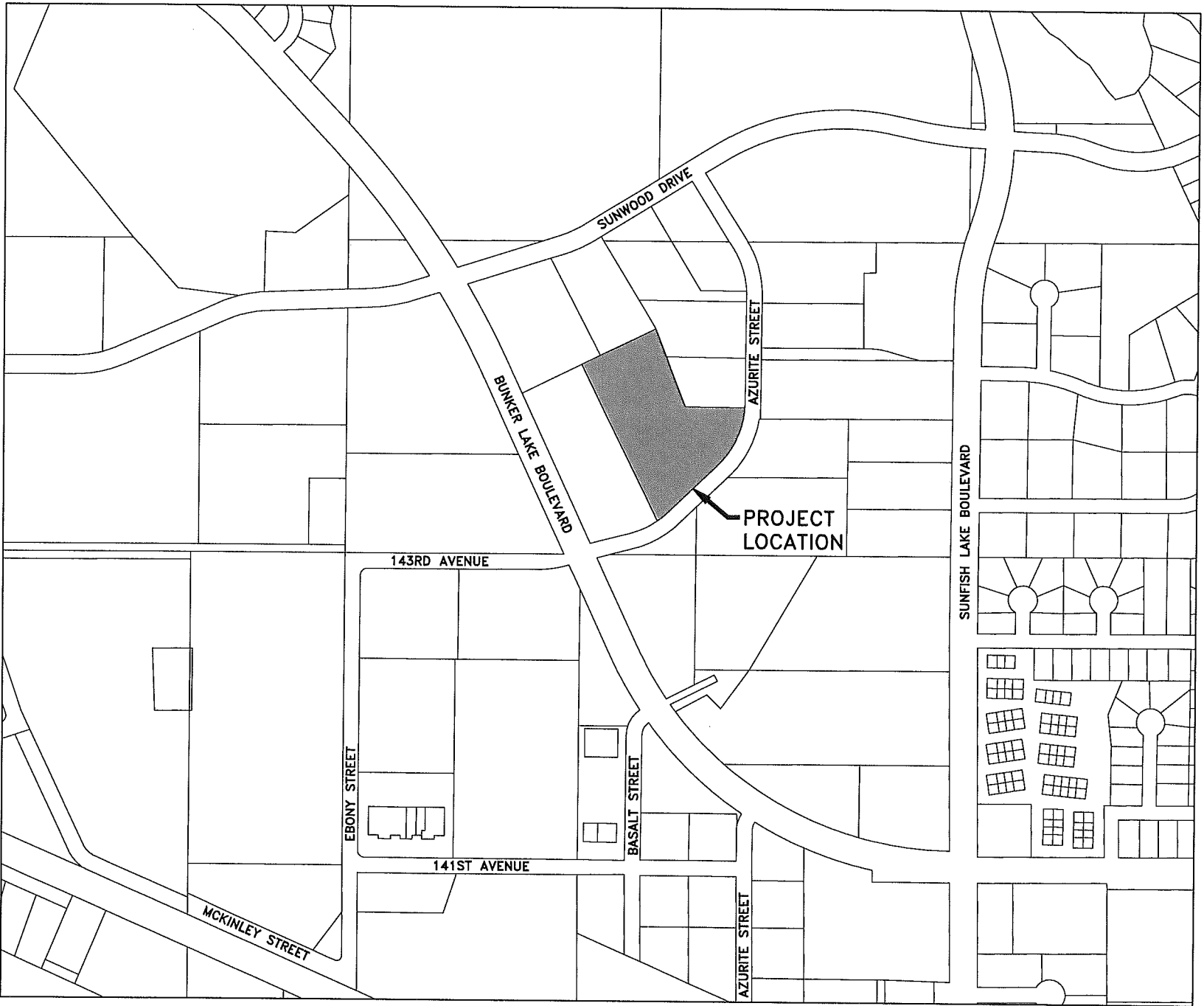
THE 2005 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION
"STANDARD SPECIFICATIONS FOR CONSTRUCTION" SHALL GOVERN.

ALL FEDERAL, STATE AND LOCAL LAWS, REGULATIONS, AND ORDINANCES
SHALL BE COMPLIED WITH IN THE CONSTRUCTION OF THIS PROJECT.

SHEET INDEX

THIS PLAN CONTAINS 4 SHEETS

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	CONSTRUCTION NOTES, DETAILS AND PROJECT LEGEND
3	EXISTING TOPOGRAPHY AND REMOVALS PLAN
4	GRADING, DRAINAGE AND EROSION CONTROL PLAN

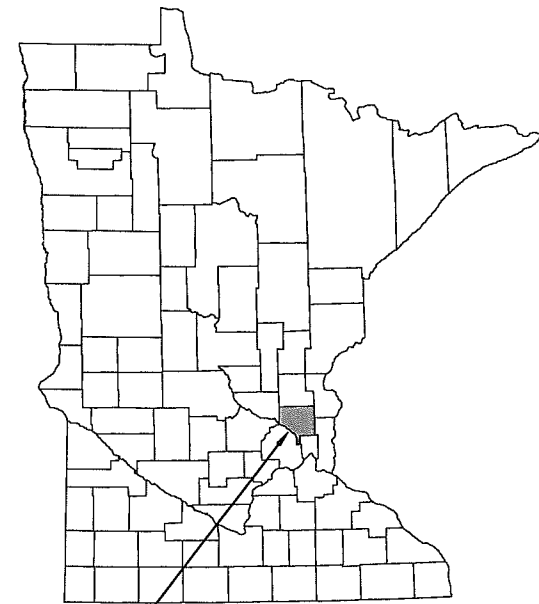


CONTRACTOR

VANGUARD CONSTRUCTION
2350 WYCLIFF STREET, SUITE 11
ST. PAUL, MN 55114
GEOFF BENEDICT
651-644-6545
651-644-7184 (FAX)

ENGINEER/SURVEYOR

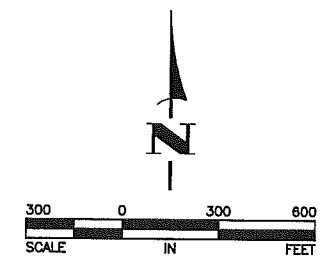
HAKANSON ANDERSON
3601 THURSTON AVENUE
ANOKA, MN 55303
TIMOTHY A. EGGERICHS, P.E.
CHARLES R. CHRISTOPHERSON, P.L.S.
763-427-5860
763-427-0520 (FAX)



CITY OF RAMSEY,
ANOKA COUNTY,
MINNESOTA

THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS UTILITY QUALITY LEVEL D. THIS QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES OF CI/ASCE 38-02, ENTITLED "STANDARD GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA."

BENCHMARKS:
① TOP NUT HYDRANT, SOUTH DRIVEWAY ENTRANCE.
ELEV=885.42
DATUM:
NAVD 29



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.

Tim Eggerichs
TIMOTHY A. EGGERICHS, P.E.
HAKANSON ANDERSON
DESIGN ENGINEER

43362 LIC. NO. DATE 6/21/13

DATE	REVISION

RECEIVED

JUN 27 2013

BY: SHEET 1 OF 4 SHEETS

Jun 24, 2013 - 1:03pm
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Hakanson Anderson
Civil Engineers and Land Surveyors
3601 Thurston Ave., Anoka, Minnesota 55303
763-427-5860 FAX 763-427-0520

GENERAL CONSTRUCTION AND SOILS NOTES:

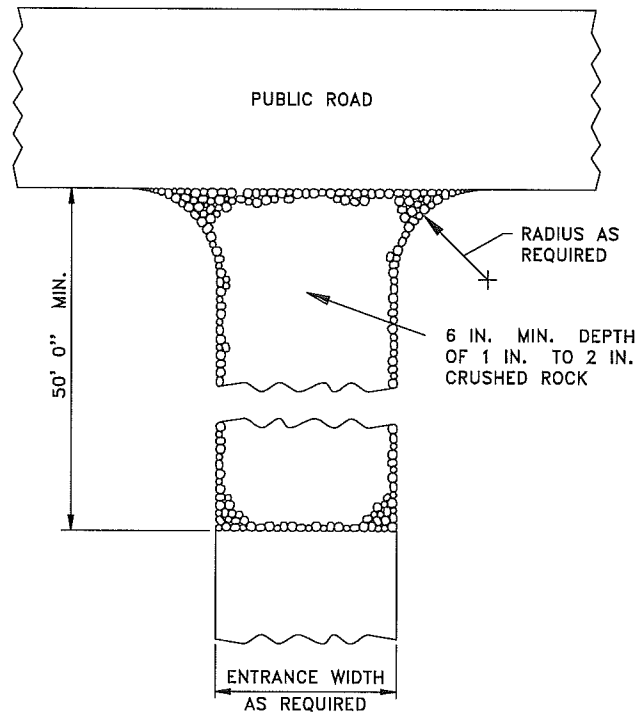
1. STRIP ALL INPLACE TOPSOIL IN AREAS TO BE DISTURBED BY CONSTRUCTION AND REUSE AS SLOPE DRESSING. IN AREAS OF PARKING LOT, SIDEWALK AND BUILDING CONSTRUCTION, THE EXPOSED SAND SHALL BE SURFACE COMPACTED TO AT LEAST 100% OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY, ASTM D698, IN AT LEAST THE UPPER 3 FEET.
2. UNLESS OTHERWISE RECOMMENDED IN THESE PLANS, THE GRADING SUBGRADE SHALL BE CONSTRUCTED OF SUITABLE GRADING MATERIAL. THE FILL SHALL BE PLACED IN 8" TO 10" LOOSE LIFTS, AND COMPACTED TO 100% OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY.
3. SUITABLE GRADING MATERIAL FOR THIS PROJECT SHALL CONSIST OF ALL SOILS ENCOUNTERED WITH THE EXCEPTION OF TOPSOIL, SILT, DEBRIS, ORGANIC MATERIAL AND OTHER UNSTABLE MATERIAL.
4. WHEN PLACING NEW PAVEMENT ADJACENT TO INPLACE PAVEMENT CUT VERTICALLY TO THE BOTTOM OF INPLACE SURFACING OR TOP OF GRADING SUBGRADE, WHICHEVER IS DEEPER, AT A 1(V):2(H) TO THE BOTTOM OF EXCAVATION.
5. PROVIDE A SAW CUT WHEN PLACING NEW PAVEMENT ADJACENT TO INPLACE PAVEMENT AND AT TERMINI OF CONSTRUCTION TO ENSURE A UNIFORM JOINT.
6. BITUMINOUS AND CONCRETE ITEMS DISTURBED BY CONSTRUCTION SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF IN ACCORDANCE WITH Mn/DOT SPEC. 2104.3.
7. USE TACK COAT BETWEEN ALL BITUMINOUS MIXTURES. THE BITUMINOUS TACK COAT MATERIAL SHALL BE APPLIED AT A UNIFORM RATE OF 0.04 GAL/SY TO 0.06 GAL/SY BETWEEN BITUMINOUS LAYERS. THE APPLICATION RATES ARE FOR UNDILUTED EMULSIONS (AS SUPPLIED FROM THE REFINERY) OR MC AND RC LIQUID ASPHALTS. THE ASPHALT EMULSION MAY BE FURTHER DILUTED IN THE FIELD IN ACCORDANCE WITH SPEC. 2357.
8. PERFORMANCE GRADED (PG) ASPHALT BINDER PG 58-28, SPEC. 3151 MODIFIED, SHALL BE USED FOR ALL BITUMINOUS MIXES ON THIS PROJECT. SPEC. 3151 MODIFIED IS INCLUDED IN TECHNICAL MEMORANDUM NO. 02-06-MRR-01. SPECIFIC PG GRADES SHALL BE STATED IN THE SPECIAL PROVISIONS AND AT THE END OF THE MIX DESIGNATION NUMBER SHOWN ON THE TYPICAL SECTION.
9. THE BITUMINOUS MIXTURES SHALL MEET THE REQUIREMENTS OF SPECIFICATIONS 2360 AND 3139.

GENERAL EROSION CONTROL NOTES:

1. EROSION CONTROL SHALL CONFORM TO THE Mn/DOT EROSION CONTROL HANDBOOK.
2. PRIOR TO ANY CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL ACQUIRE THE NECESSARY MPCA NPDES STORMWATER PERMIT.
3. THE CONTRACTOR SHALL INSTALL EROSION AND SEDIMENT CONTROL FACILITIES (BMP'S) PRIOR TO GRADING AND REMOVAL ACTIVITIES. BMP'S SHALL BE MAINTAINED FOR THE DURATION OF CONSTRUCTION ACTIVITIES AND POTENTIAL FOR EROSION HAS PASSED.
4. THE CONTRACTOR SHALL SCHEDULE HIS OPERATION TO MINIMIZE THE AMOUNT OF DISTURBED AREA AT ANY GIVEN TIME.
5. BMP'S SHALL BE INSPECTED DAILY BY THE CONTRACTOR AND BE DOCUMENTED AND INSPECTION LOG.
6. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE PROPERLY DISPOSED OF WITHIN THIRTY (30) DAYS AFTER FINAL SITE STABILIZATION.
7. THE CONTRACTOR SHALL FILE A NOTICE OF TERMINATION WITH THE MPCA AFTER FINAL STABILIZATION HAS BEEN APPROVED.

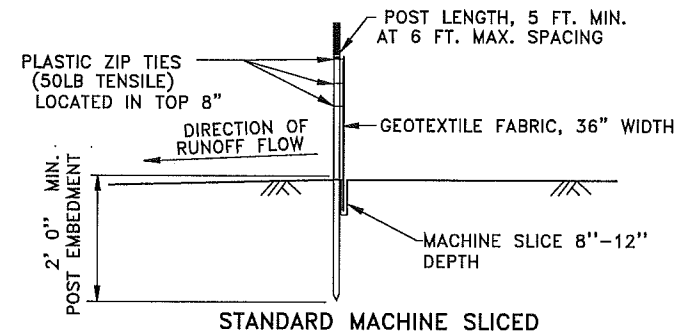
LEGEND

- 906 --- EXISTING CONTOUR
- ===== PROPERTY LINE
- ===== EXISTING CONCRETE CURB & GUTTER
- >> EXISTING STORM SEWER
- ▣ EXISTING CATCH BASIN
- 906 --- PROPOSED CONTOUR
- >> PROPOSED STORM SEWER
- ▣ PROPOSED CATCH BASIN
- ⊙ PROPOSED STORM SEWER MANHOLE
- ===== PROPOSED CONCRETE CURB & GUTTER
- SILT FENCE PER $\frac{2}{2}$
- ⇒ DRAINAGE ARROW
- $\frac{2}{3}$ ← DETAIL NUMBER
- $\frac{2}{3}$ ← SHEET NUMBER



1 ROCK CONSTRUCTION ENTRANCE

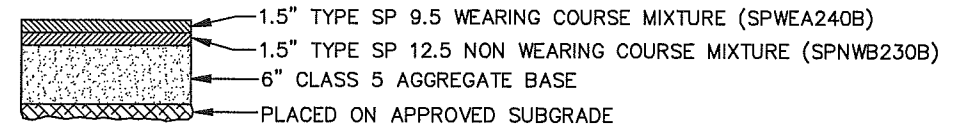
2



2 SILT FENCE DETAILS

2

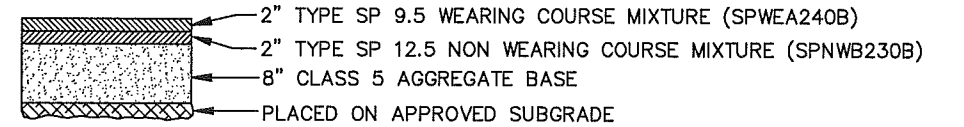
TO PROTECT AREAS FROM SHEET FLOW (SEE SPEC. 3886)



3 LIGHT DUTY PAVEMENT SECTION

2

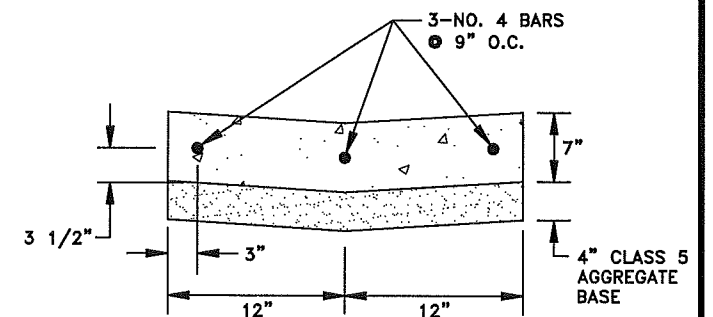
NO SCALE



4 HEAVY DUTY PAVEMENT SECTION

2

NO SCALE



5 CONCRETE VALLEY GUTTER

2

NO SCALE

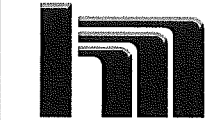
Jun 24, 2013 - 1:04pm K:\cond_eng_projects\p1016\3516.02.dwg\351602027.dwg

DATE	REVISION

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.

Timothy A. Eggerichs
TIMOTHY A. EGGERICHS, P.E.
Date 6/21/13 Lic. No. 43362

DESIGNED BY: TAE
DRAWN BY: TAE
CHECKED BY: CJJ

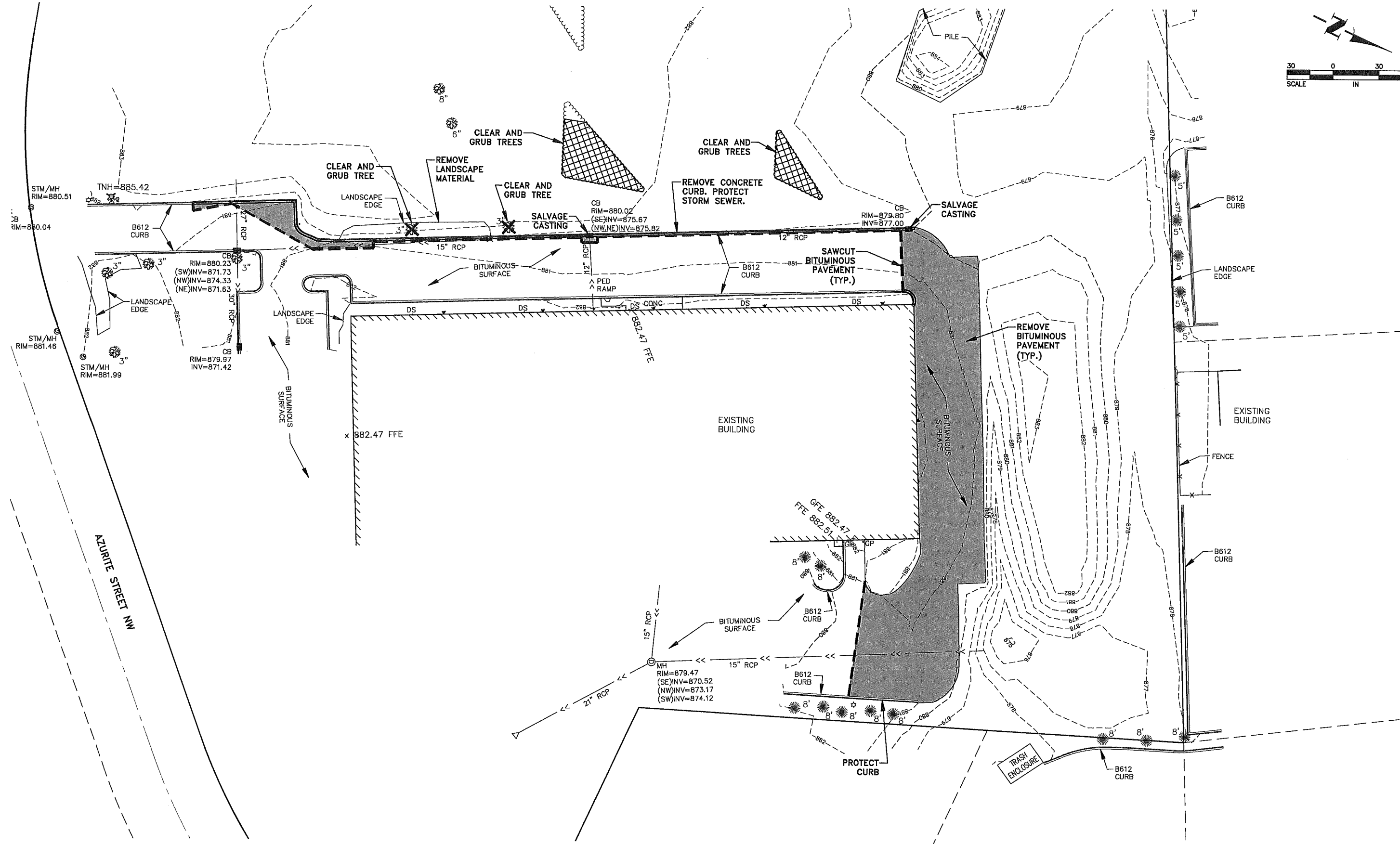
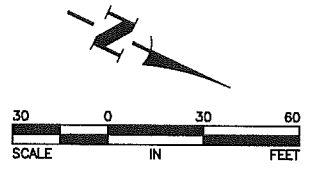


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DIAMOND GRAPHICS BUILDING ADDITION

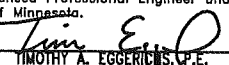
CONSTRUCTION NOTES, DETAILS AND PROJECT LEGEND
CITY OF RAMSEY, MINNESOTA

SHEET 2 OF 4 SHEETS

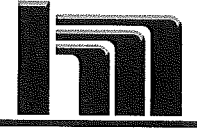


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DATE	REVISION
6/24/13	ADDED EXISTING STORM SEWER INFORMATION

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.

 TIMOTHY A. EGGERICHS, P.E.
 Date 6/21/13 Lic. No. 43362

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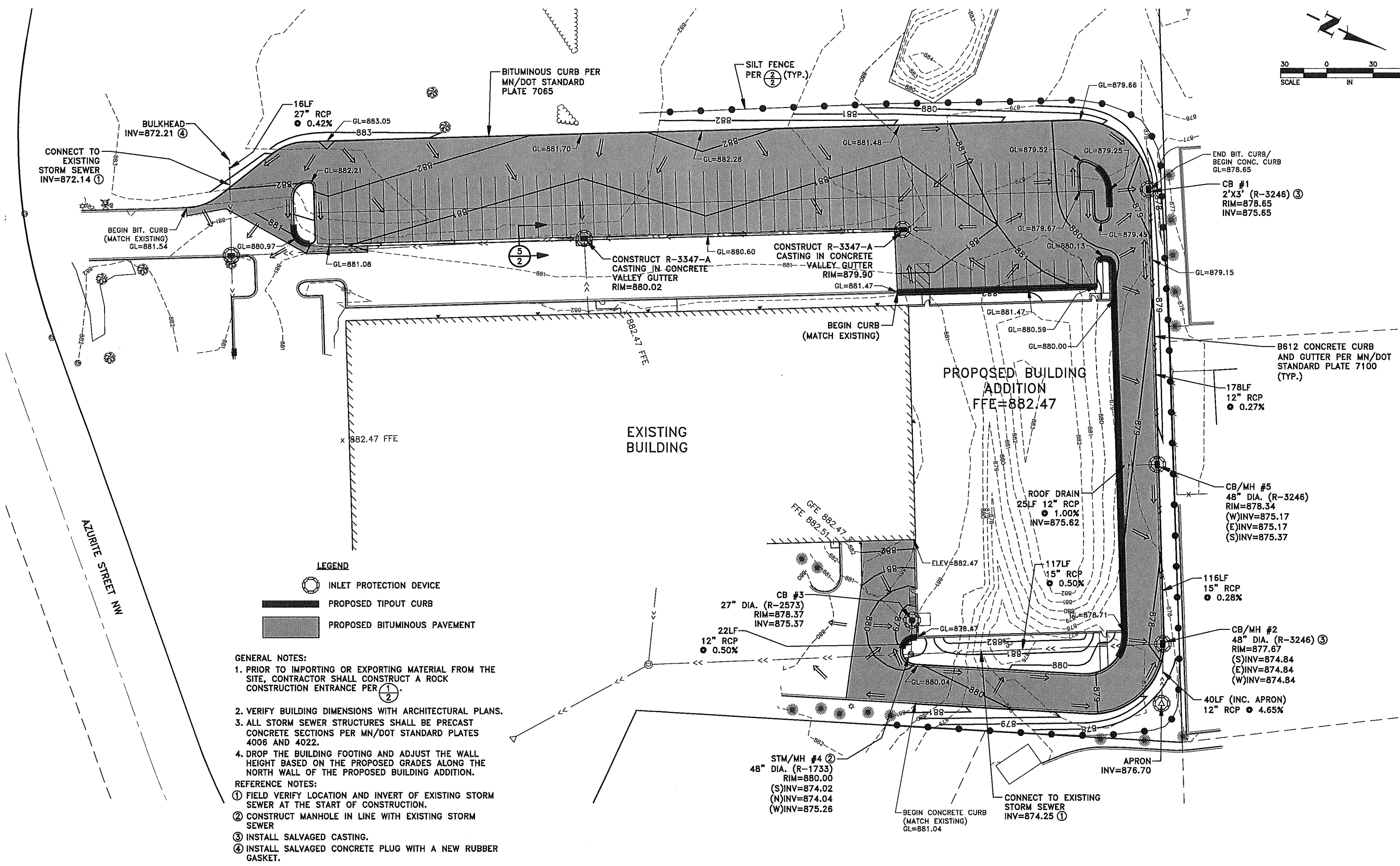
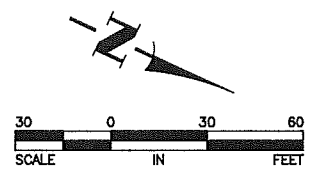


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DIAMOND GRAPHICS BUILDING ADDITION

EXISTING TOPOGRAPHY AND REMOVALS PLAN
 CITY OF RAMSEY, MINNESOTA

SHEET 3 OF 4
 SHEETS 3516.02



- LEGEND**
- INLET PROTECTION DEVICE
 - PROPOSED TIPOUT CURB
 - PROPOSED BITUMINOUS PAVEMENT

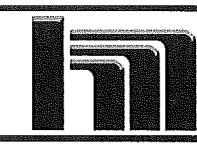
- GENERAL NOTES:**
1. PRIOR TO IMPORTING OR EXPORTING MATERIAL FROM THE SITE, CONTRACTOR SHALL CONSTRUCT A ROCK CONSTRUCTION ENTRANCE PER $\frac{1}{2}$.
 2. VERIFY BUILDING DIMENSIONS WITH ARCHITECTURAL PLANS.
 3. ALL STORM SEWER STRUCTURES SHALL BE PRECAST CONCRETE SECTIONS PER MN/DOT STANDARD PLATES 4006 AND 4022.
 4. DROP THE BUILDING FOOTING AND ADJUST THE WALL HEIGHT BASED ON THE PROPOSED GRADES ALONG THE NORTH WALL OF THE PROPOSED BUILDING ADDITION.
- REFERENCE NOTES:**
- ① FIELD VERIFY LOCATION AND INVERT OF EXISTING STORM SEWER AT THE START OF CONSTRUCTION.
 - ② CONSTRUCT MANHOLE IN LINE WITH EXISTING STORM SEWER
 - ③ INSTALL SALVAGED CASTING.
 - ④ INSTALL SALVAGED CONCRETE PLUG WITH A NEW RUBBER GASKET.

DATE	REVISION
6/24/13	REVISED PROPOSED DOOR LOCATIONS
6/27/13	ADDED BITUMINOUS CURB TO WEST SIDE OF PARKING LOT

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 CHECKED BY: CJJ



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DIAMOND GRAPHICS BUILDING ADDITION

GRADING, DRAINAGE AND EROSION CONTROL PLAN
 CITY OF RAMSEY, MINNESOTA

SHEET 4 OF 4 SHEETS
 3516.02

Jun 27, 2013 - 2:08pm K:\cad_and_projects\private\3516.02.dwg\351602GR.ADWG.dwg

GENERAL PROJECT INFORMATION:

NAME: DIAMOND GRAPHICS, INC
ADDRESS:

14350 AZURITE ST NW
RAMSEY, MN

PRESENT ZONING AND LAND USE:
E-1 EMPLOYMENT DISTRICT

OWNER'S REP:
DON PATTERSON
14350 AZURITE ST NW
RAMSEY, MN

ARCHITECT:
ROSA ARCHITECTURAL GROUP, INC
1084 STERLING STREET N
ST. PAUL, MN 55119

ENGINEER:
HAKANSON ANDERSON
3601 THURSTON AVENUE
ANOKA, MN 55303

EMPLOYEES ON SITE:
APPROX 15 EMPLOYEES

PRESENT BUILDING USE:
MANUFACTURING

ADJACENT PROPERTIES:
HARBOR INDUSTRIES (E-1)
PANTHER PRECISION MACHINE (E-1)
ROTARY SYSTEMS (E-1)
CABINERY CONCEPTS (E-1)

PROPOSED BUILDING AREA:
28,034 SF.

SITE AREA:
471,504 SF.

SITE ACREAGE:
10.82 ACRES

TOTAL BUILDING COVERAGE:
55,944 + 28,576 = 84,520 SF

BUILDING COVERAGE PERCENTAGE OF SITE:
17.93 %

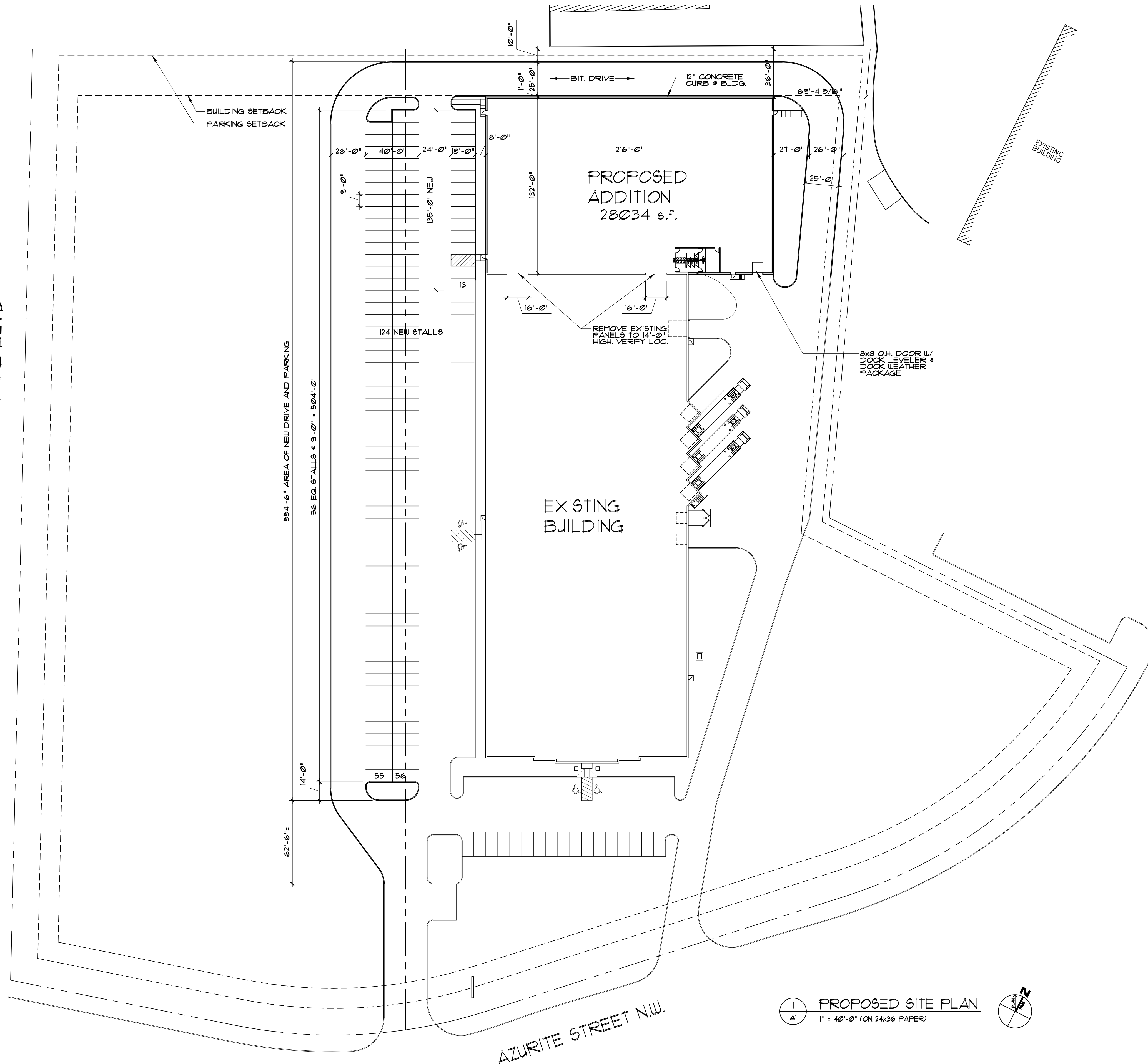
TOTAL IMPERVIOUS SF:
191,275 SF.

IMPERVIOUS PERCENTAGE OF SITE:
41.84 %

TOTAL GREEN AREA SF:
274,229 SF.

GREEN PERCENTAGE OF SITE:
58.16 %

BUNKER LAKE BLVD



1 PROPOSED SITE PLAN
A1 1" = 40'-0" (ON 24x36 PAPER)

CITY SUBMITTAL SET ONLY - NOT FOR CONSTRUCTION

Rosa
Architectural
Group
Inc.

1084 Sterling Street
St. Paul, Minnesota 55119
tel: 651-739-7988
fax: 651-739-3165

PROPOSED
ADDITION TO
DIAMOND
GRAPHICS

14350 AZURITE ST NW
RAMSEY, MN

VANGUARD
CONSTRUCTION

2350 WYCLIFF STREET
ST. PAUL, MN 55114

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 UNDER THE LAWS OF THE STATE OF MINNESOTA.

PRINT NAME: _____
SIGNED: _____
DATE: _____ REG. NO. _____

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 ARCHITECT UNDER THE LAWS OF THE STATE OF MINNESOTA.

PRINT NAME: RUSS ROSA
SIGNED: *Russ Rosa*
DATE: 6/24/13 REG. NO. 18039

PROJECT NUMBER: 21323
DATE: JUNE 24, 2013
DRAWN BY: JL
CHECKED BY: RR
REVISIONS: _____

PROPOSED SITE PLAN

A1

Rosa
Architectural
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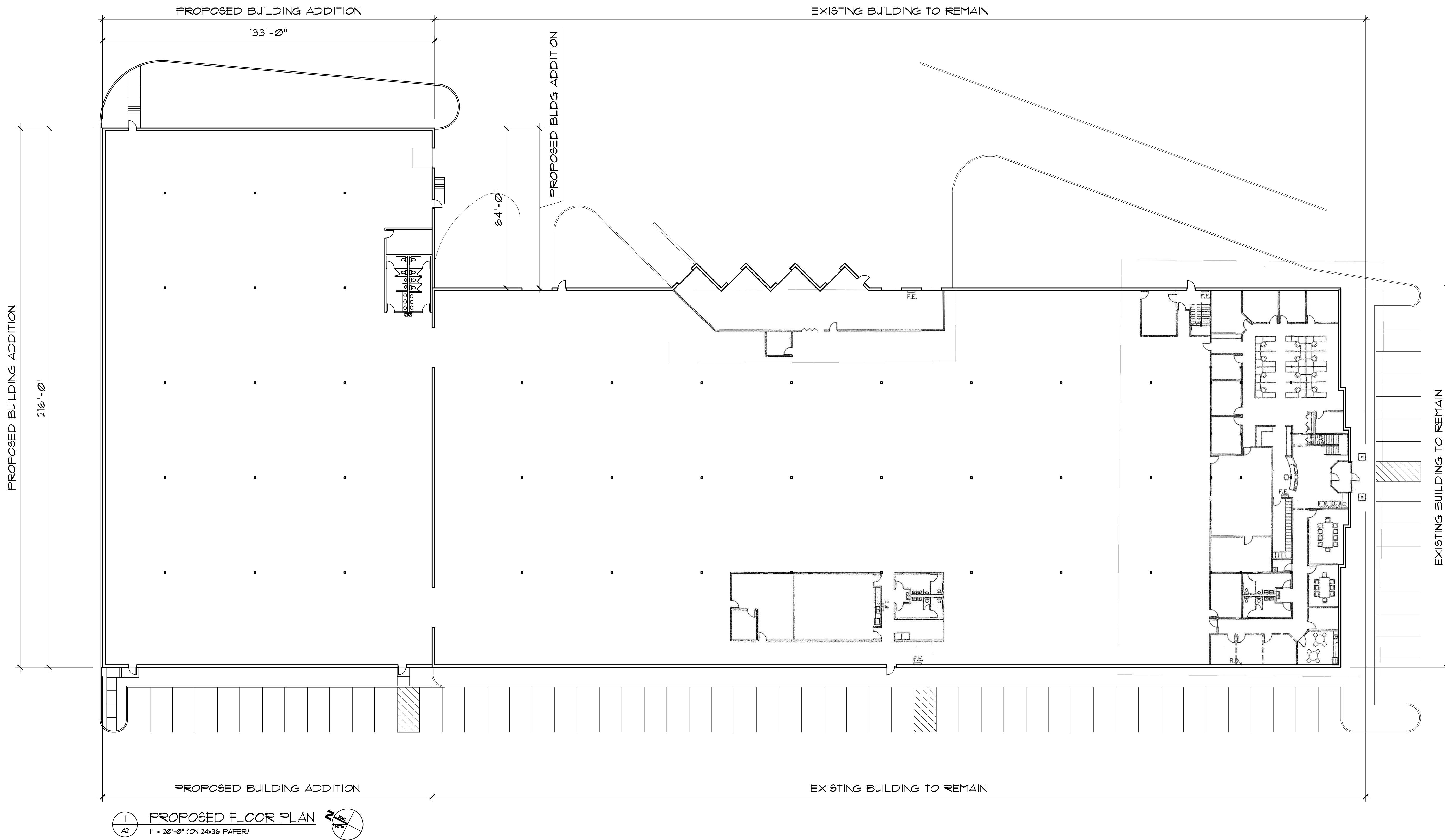
DRAWN BY: JL

CHECKED BY: RR

REVISIONS: _____

PROPOSED FLOOR PLAN

A2



1
A2
PROPOSED FLOOR PLAN
1" = 20'-0" (ON 24x36 PAPER)

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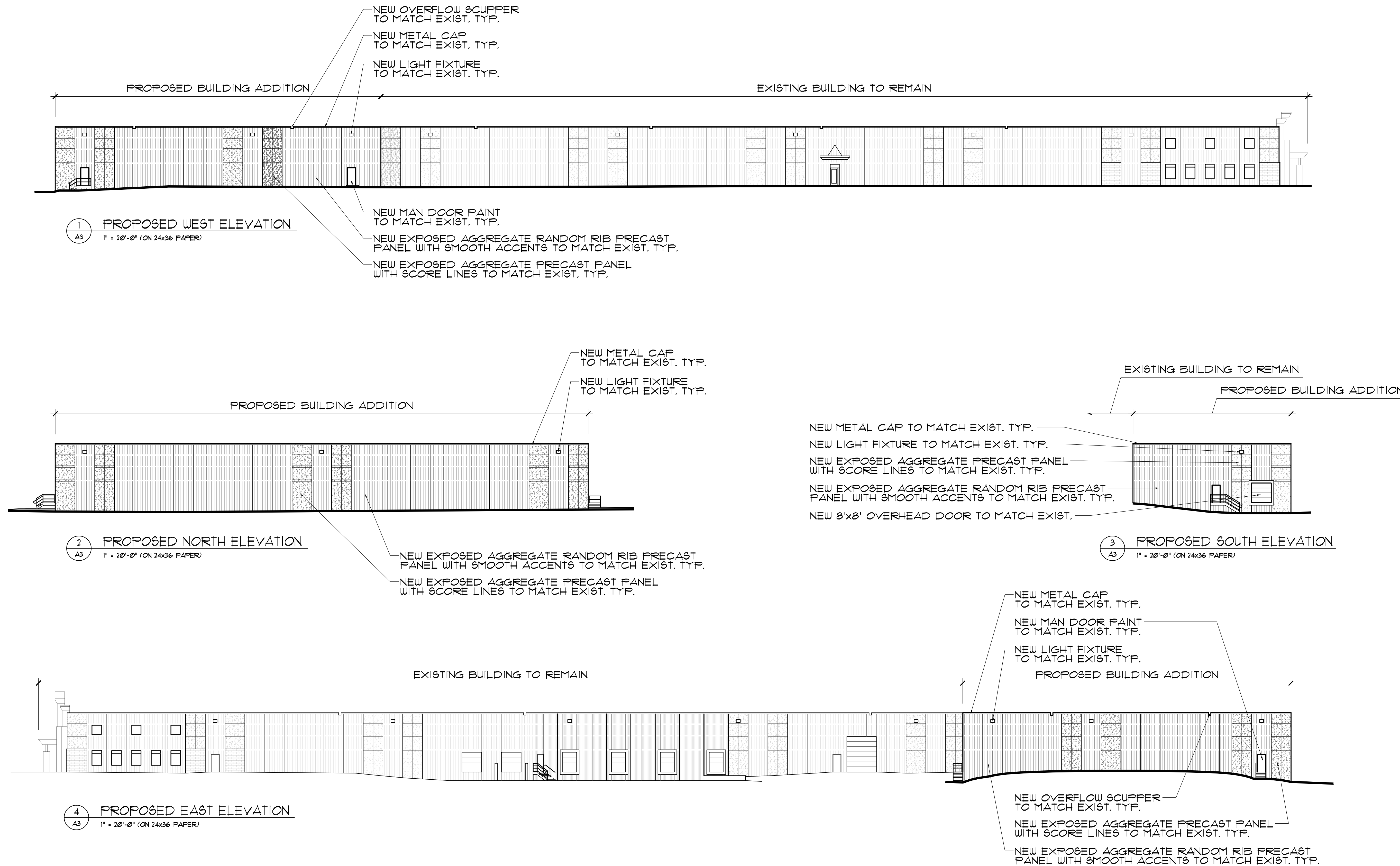
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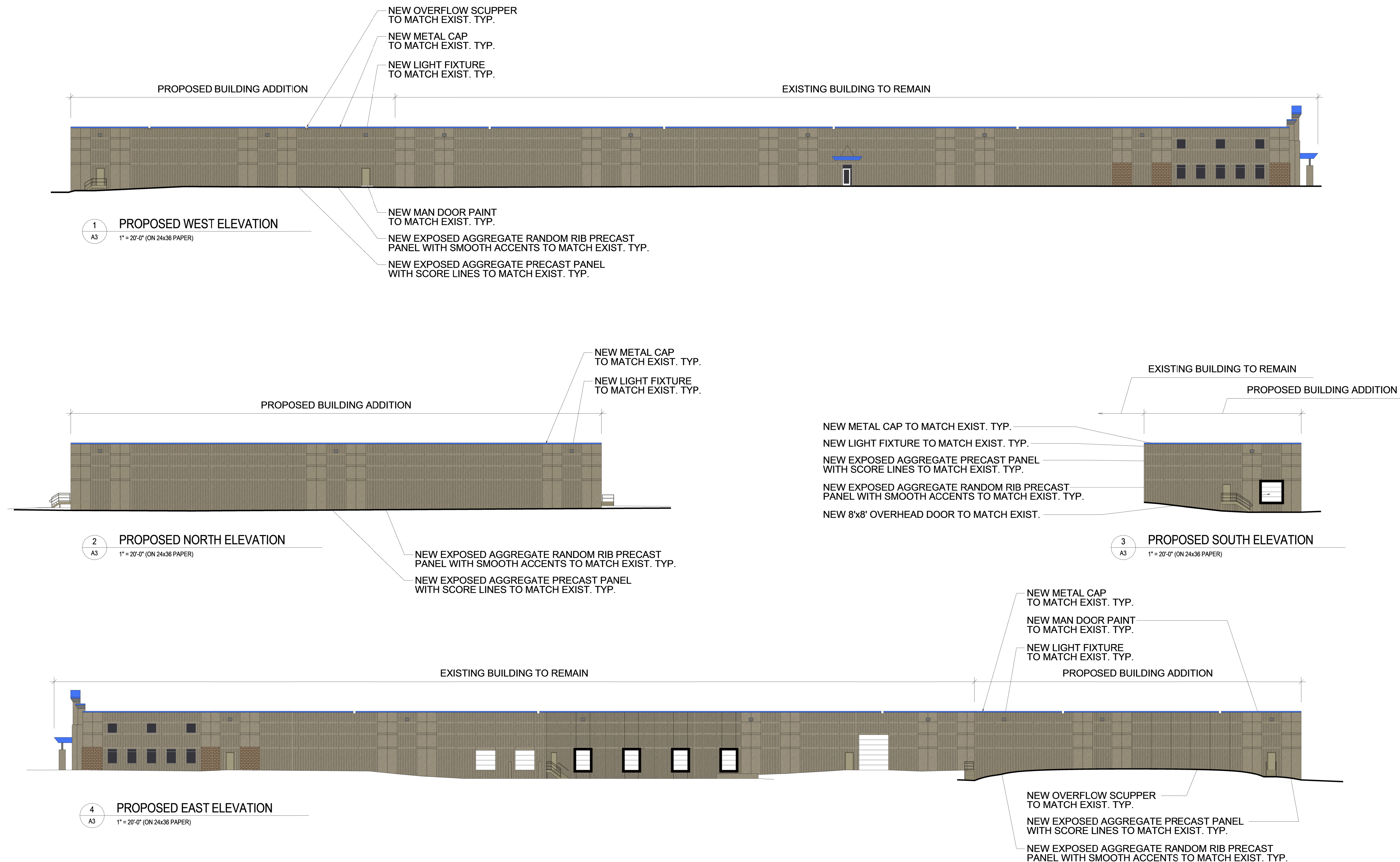
DRAWN BY: JL

CHECKED BY: RR

REVISIONS: _____

PROPOSED COLORED
ELEVATIONS

A3-C



1084 Sterling Street
St. Paul, Minnesota 55119
tel: 651-739-7988
fax: 651-739-3165

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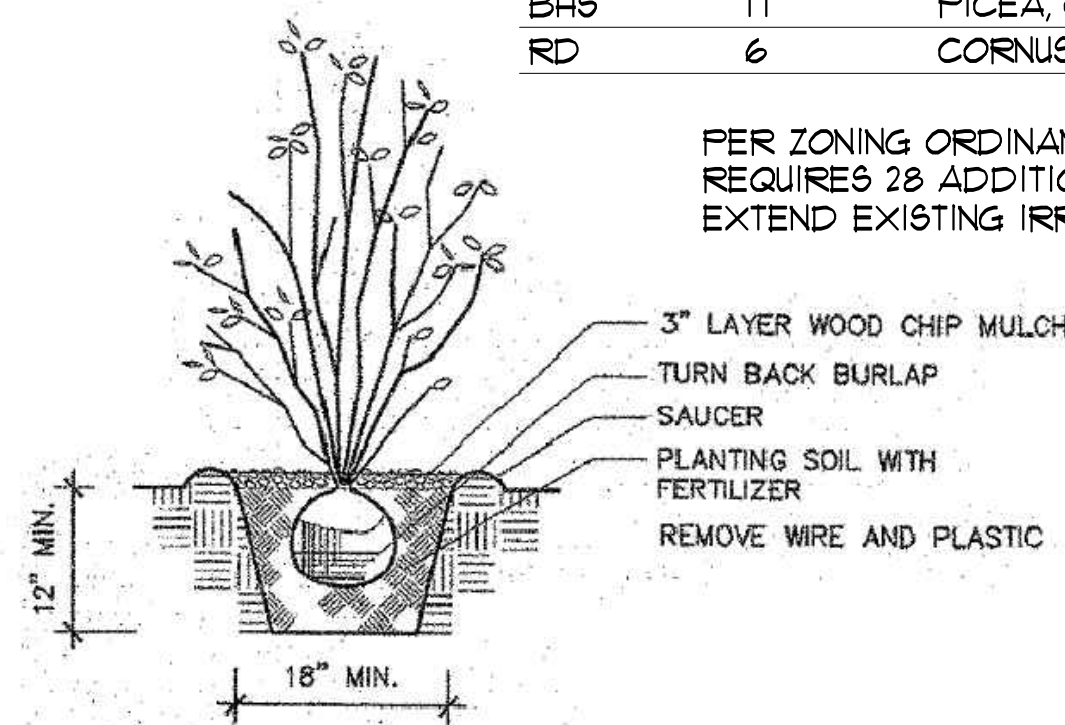
PROPOSED LANDSCAPE &
SITE LIGHTING PLAN

L1

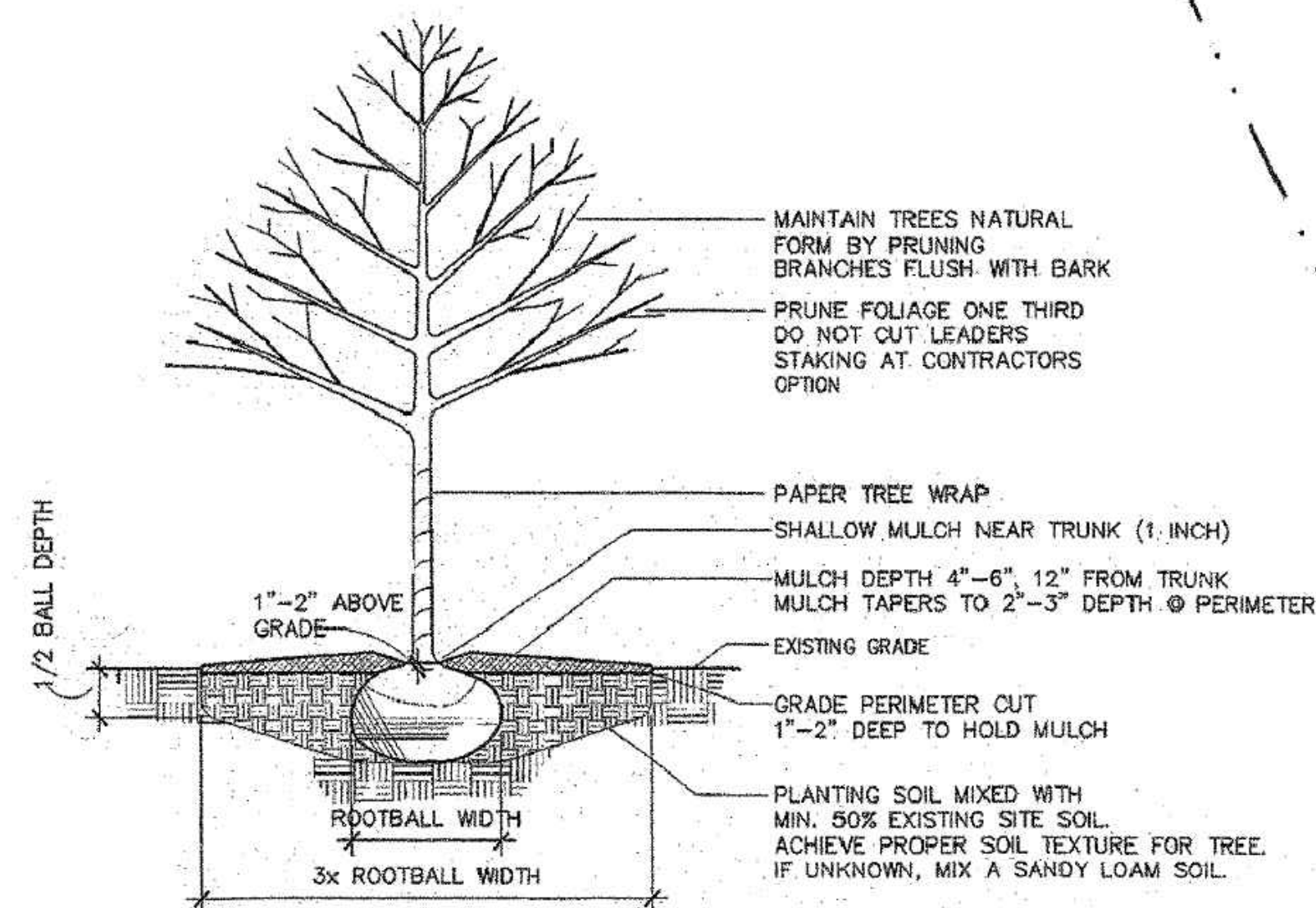
NEW PLANTINGS PLANT SCHEDULE-LANDSCAPE PLAN

CODE	QUANTITY	LATIN NAME	COMMON NAME	SIZE	ROOT
SGM	11	ACER SACCHARUM	SUGAR MAPLE	2.5"	B4B
BH6	17	PICEA, GLAUCA DENSATA	BLACK HILLS SPRUCE	6'	B4B
RD	6	CORNUS RUGOSA	ROUNDEAF DOGWOOD	2' HIGH	CONT.

PER ZONING ORDINANCE, ONE TREE REQUIRED FOR EVERY 1000 SF. OF ADDITION
REQUIRES 28 ADDITIONAL TREES BASED ON THE PROPOSED 28,000 SF. ADDITION.
EXTEND EXISTING IRRIGATION SYSTEM TO COVER NEW TREES, SHRUBS, AND SOD PLANTINGS



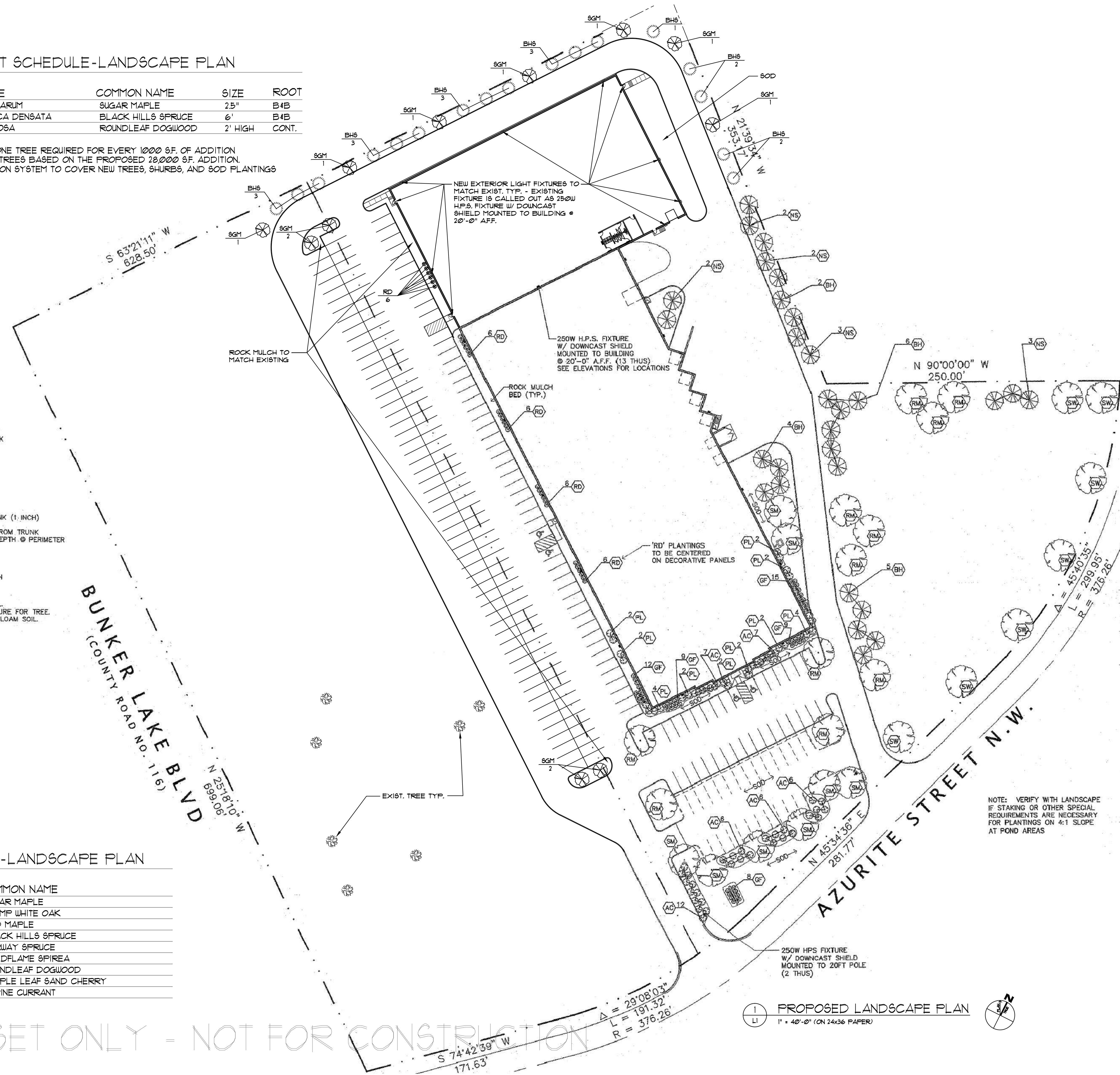
1 SHRUB PLANTING DETAIL
NOT TO SCALE



2 TREE PLANTING DETAIL
NOT TO SCALE

EXIST. PLANTINGS PLANT SCHEDULE-LANDSCAPE PLAN

CODE	LATIN NAME	COMMON NAME
SM	ACER SACCHARUM	SUGAR MAPLE
RE	QUERCUS BICOLOR	SWAMP WHITE OAK
RM	ACER RUBRUM	RED MAPLE
BH	PICEA, GLAUCA DENSATA	BLACK HILLS SPRUCE
NS	PICEA ABIES	NORWAY SPRUCE
CF	SPIRACA JAPONICA 'GOLDFLAME'	GOLDFLAME SPIREA
RD	CORNUS RUGOSA	ROUNDEAF DOGWOOD
PL	PRUNUS x CISTENA	PURPLE LEAF SAND CHERRY
AC	RIBES ACPINUM	ALPINE CURRANT



NOTE: VERIFY WITH LANDSCAPE
IF STAKING OR OTHER SPECIAL
REQUIREMENTS ARE NECESSARY
FOR PLANTINGS ON 4:1 SLOPE
AT POND AREAS

1 PROPOSED LANDSCAPE PLAN
1" = 40'-0" (ON 24x36 PAPER)

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14350 AZURITE ST NW
RAMSEY, MN

VANGUARD
CONSTRUCTION

2350 WYCLIFF STREET
ST. PAUL, MN 55114

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 ARCHITECT UNDER THE LAWS OF THE STATE OF MINNESOTA.

PRINT NAME: _____
SIGNED: _____
DATE: _____ REG. NO. _____

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 ARCHITECT UNDER THE LAWS OF THE STATE OF MINNESOTA.

PRINT NAME: RUSS ROSA
SIGNED: *Russ Rosa*
DATE: 6/24/13 REG. NO. 18039

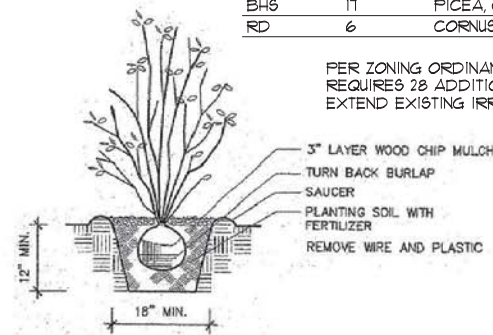
PROJECT NUMBER: 21323
DATE: JUNE 24, 2013
DRAWN BY: JL
CHECKED BY: RR
REVISIONS: _____

PROPOSED LANDSCAPE &
SITE LIGHTING PLAN

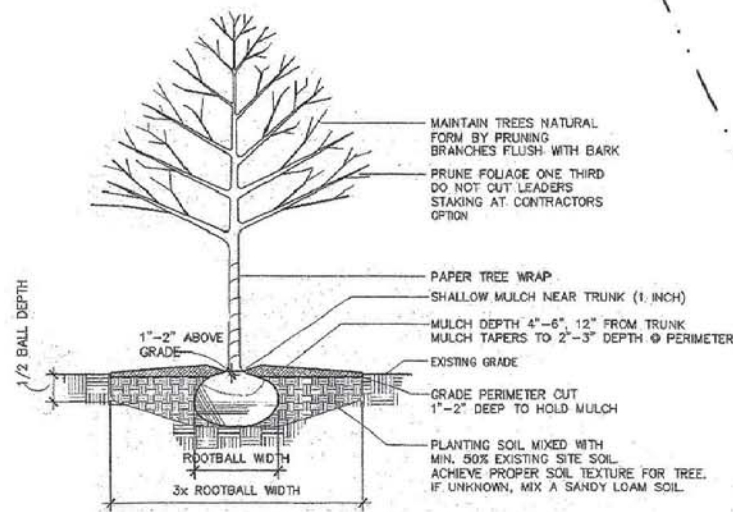
NEW PLANTINGS PLANT SCHEDULE-LANDSCAPE PLAN

CODE	QUANTITY	LATIN NAME	COMMON NAME	SIZE	ROOT
SGM	11	ACER SACCHARUM	SUGAR MAPLE	2.5"	B4B
BH6	17	PICEA, GLAUCA DENSATA	BLACK HILLS SPRUCE	6'	B4B
RD	6	CORNUS RUGOSA	ROUNDLEAF DOGWOOD	2' HIGH	CONT.

PER ZONING ORDINANCE, ONE TREE REQUIRED FOR EVERY 1000 SF. OF ADDITION
REQUIRES 28 ADDITIONAL TREES BASED ON THE PROPOSED 28000 SF. ADDITION.
EXTEND EXISTING IRRIGATION SYSTEM TO COVER NEW TREES, SHRUBS, AND SOD PLANTINGS



3 SHRUB PLANTING DETAIL
L1 NOT TO SCALE

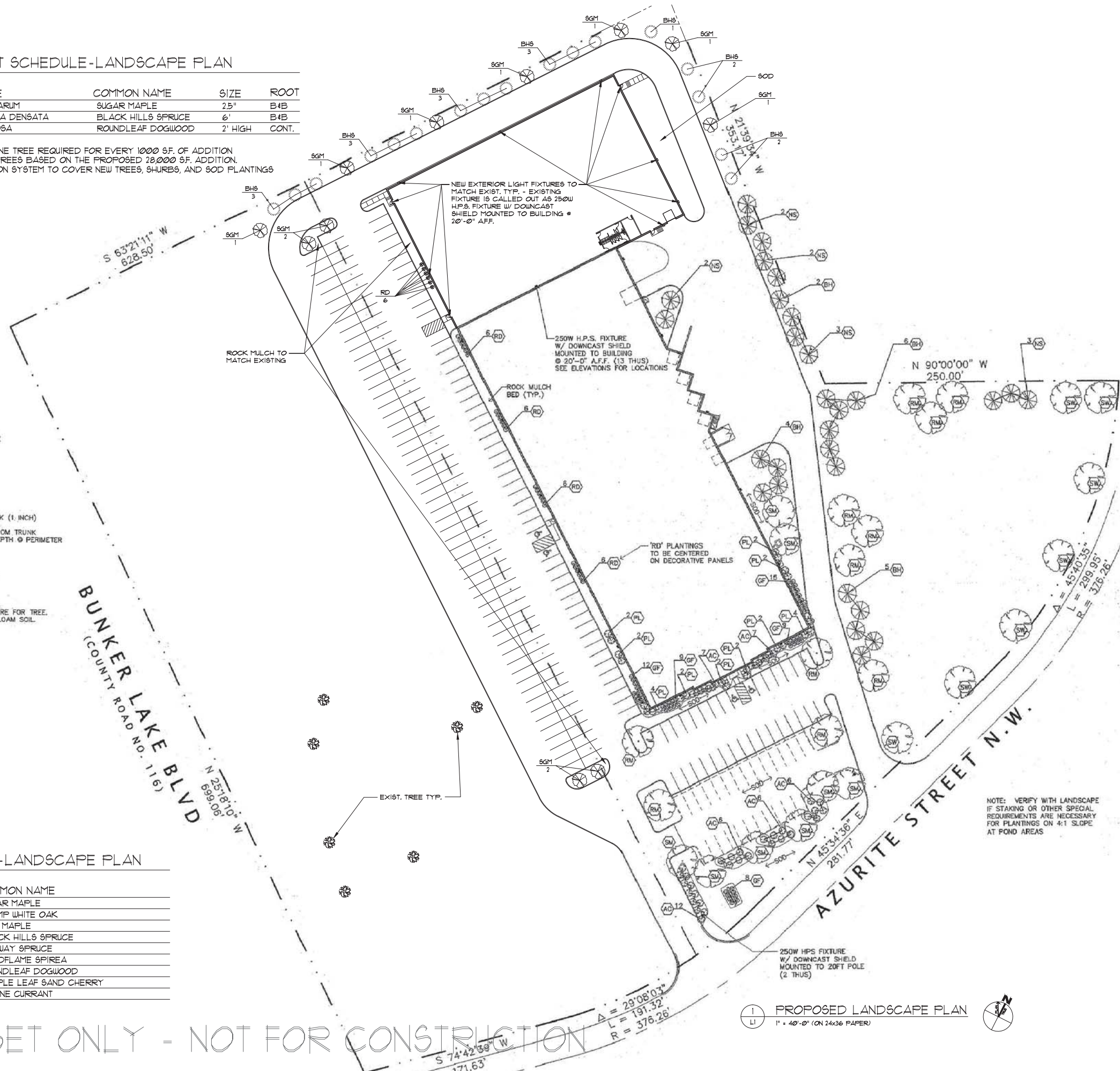


2 TREE PLANTING DETAIL
L1 NOT TO SCALE

EXIST. PLANTINGS PLANT SCHEDULE-LANDSCAPE PLAN

CODE	LATIN NAME	COMMON NAME
SM	ACER SACCHARUM	SUGAR MAPLE
RE	QUERCUS BICOLOR	SWAMP WHITE OAK
RM	ACER RUBRUM	RED MAPLE
BH	PICEA, GLAUCA DENSATA	BLACK HILLS SPRUCE
NS	PICEA ABIES	NORWAY SPRUCE
CF	SPIRACA JAPONICA 'GOLDFLAME'	GOLDFLAME SPIREA
RD	CORNUS RUGOSA	ROUNDLEAF DOGWOOD
PL	PRUNUS x CISTENA	PURPLE LEAF SAND CHERRY
AC	RIBES ACINUM	ALPINE CURRANT

CITY SUBMITTAL SET ONLY - NOT FOR CONSTRUCTION



1 PROPOSED LANDSCAPE PLAN
L1 1" = 40'-0" (ON 24x36 PAPER)

