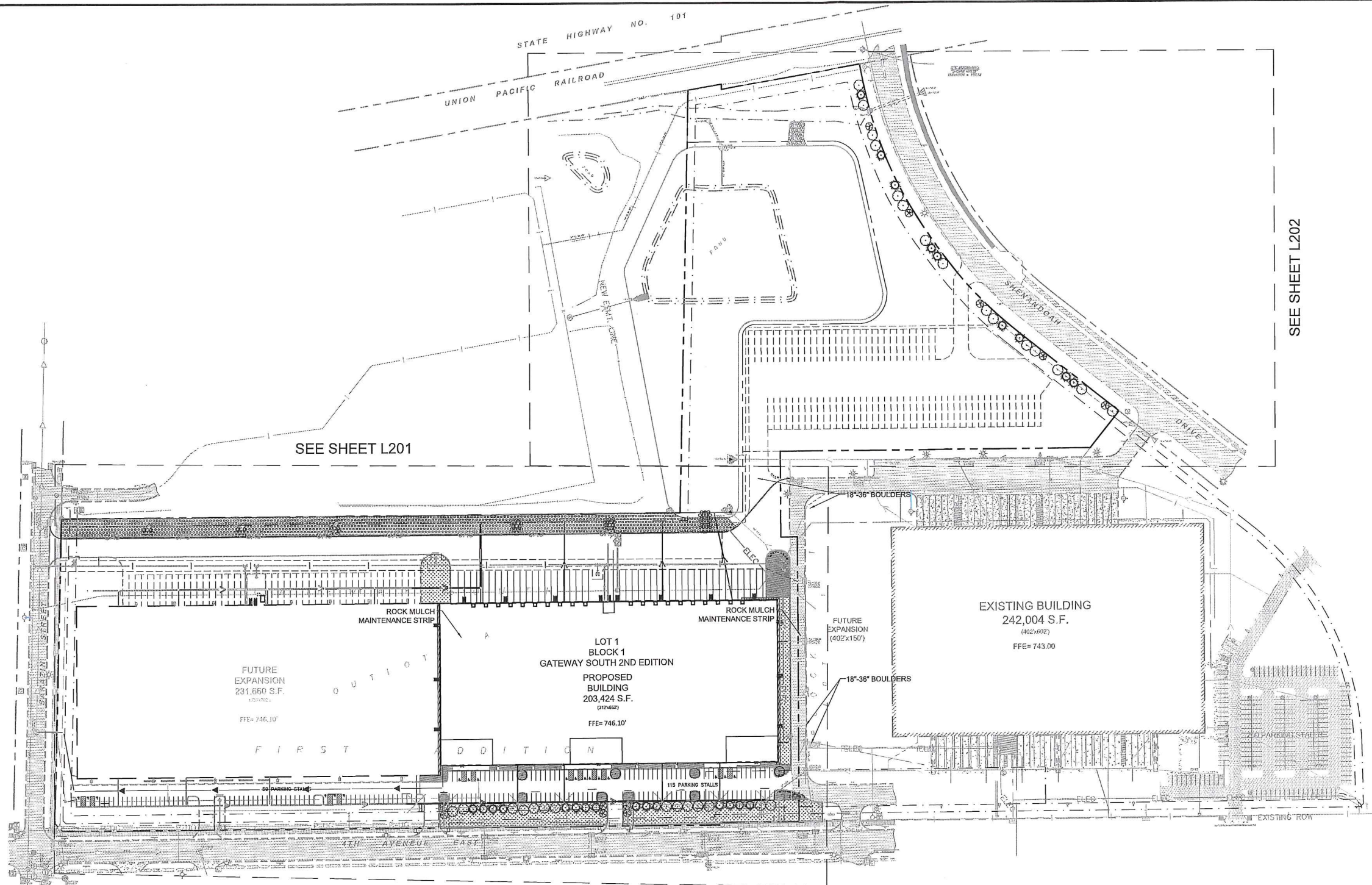




SEE SHEET L202

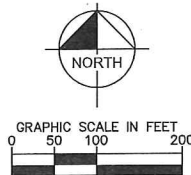
SEE SHEET L201

LANDSCAPE NOTES

1. PLANT MATERIAL SHALL COMPLY WITH THE CURRENT EDITION OF THE AMERICAN STANDARD FOR NURSERY STOCK, ANSI Z60.1. UNLESS NOTED OTHERWISE, DECIDUOUS SHRUBS SHALL HAVE AT LEAST 8 CANES AT THE SPECIFIED HEIGHT. ORNAMENTAL TREES SHALL HAVE NO "Y" CROTCHES AND SHALL BEGIN BRANCHING NO LOWER THAN 3' ABOVE THE ROOT BALL. STREET AND BOULEVARD TREES SHALL BEGIN BRANCHING NO LOWER THAN 8' ABOVE PAVED SURFACE.
2. INSTALL PLANT MATERIAL ONCE FINAL GRADING AND CONSTRUCTION HAS BEEN COMPLETED IN THE IMMEDIATE AREA.
3. INSTALL PLANT MATERIALS PER PLANTING DETAILS.
4. SUBSTITUTION REQUESTS FOR PLANT MATERIAL TYPE & SIZE SHALL BE SUBMITTED TO THE LANDSCAPE ARCHITECT FOR CONSIDERATION PRIOR TO BIDDING. ALL SUBSTITUTIONS AFTER BIDDING MUST BE APPROVED BY LANDSCAPE ARCHITECT AND ARE SUBJECT TO CONTRACT ADJUSTMENTS.
5. ADJUSTMENTS IN LOCATION OF PROPOSED PLANT MATERIALS MAY BE NEEDED IN FIELD. LANDSCAPE ARCHITECT MUST BE NOTIFIED PRIOR TO ADJUSTMENT OF PLANTS.
6. FERTILIZE PLANT MATERIAL UPON INSTALLATION WITH DRIED BONE MEAL, OTHER APPROVED FERTILIZER MIXED IN WITH THE PLANTING SOIL PER THE MANUFACTURER'S INSTRUCTIONS OR MAY BE TREATED FOR SUMMER AND FALL INSTALLATION WITH AN APPLICATION OF GRANULAR 10-0-5 OF 12 OZ. PER 2.5" CALIPER TREE AND 6 OZ. PER SHRUB WITH AN ADDITIONAL APPLICATION OF 10-0-10 THE FOLLOWING SPRING IN THE TREE SAUCER.
7. INSTALL 18" DEPTH OF PLANTING SOIL IN AREAS RECEIVING GROUND COVER, SHRUBS, & PERENNIALS, UNLESS OTHERWISE NOTED.
8. TREE WRAPPING SHALL OCCUR IN THE FALL ON OCTOBER 15 AND REMOVE WRAPPING AFTER APRIL 15.
9. APPLY PRE-EMERGENT HERBICIDE PREEN (OR APPROVED EQUAL) IN ANNUAL, PERENNIAL, AND SHRUB BEDS FOLLOWED BY SHREDDED HARDWOOD MULCH. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION REGARDING USE OF HERBICIDES.
10. ENSURE THAT SOIL CONDITIONS AND COMPACTION ARE ADEQUATE TO ALLOW FOR PROPER DRAINAGE AROUND THE CONSTRUCTION SITE. UNDESIRABLE CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT PRIOR TO BEGINNING OF WORK. IT SHALL BE THE LANDSCAPE CONTRACTOR'S RESPONSIBILITY TO ENSURE PROPER SURFACE AND SUBSURFACE DRAINAGE IN PLANTING AREAS.
11. WARRANTY NEW PLANT MATERIAL THROUGH ONE CALENDAR YEAR FROM THE DATE OF SUBSTANTIAL COMPLETION. NO PARTIAL ACCEPTANCE WILL BE CONSIDERED.
12. INSTALL STEEL EDGER (COLOR: BLACK) ANYWHERE PLANTING BED ABUTS SODDED OR SEEDED AREAS.
13. SOIL COMPACTION FOR ALL NON-STRUCTURAL LANDSCAPED AREAS (INCLUDING LANDSCAPING ISLANDS) SHALL BE BETWEEN 75%-80% OF STANDARD PROCTOR OR NOT TO EXCEED 300 PSI FOR A MINIMUM OF THE TOP 18" OF SOIL. COMPACTION SAMPLES ARE TO BE TAKEN AFTER FINAL GRADING OF THE SITE IS COMPLETE. THEY ARE TO BE SUBMITTED AND APPROVED BY THE CITY OF SHAKOPEE'S NATURAL RESOURCES DEPT. BEFORE INSTALLATION OF LANDSCAPING BEGINS. SAMPLES SHALL BE RANDOMLY TAKEN WITH EVEN COVERAGE OF ALL LANDSCAPED AREAS. SUBMIT SAMPLE RESULTS TO THE SHAKOPEE NATURAL RESOURCES DEPT. -JBUSIAH@SHAKOPEE.MN.GOV OR 952-233-9371. SOILS NOT MEETING THIS REQUIREMENT ARE REQUIRED TO BE SUBSOILED TO RELIEVE COMPACTION.
14. TREES SHALL NOT BE PLANTED IN A LOCATION THAT WILL INTERFERE WITH INFRASTRUCTURE OR BE IN EXTREME COMPETITION FOR RESOURCES WITH OTHER TREES AT MATURITY. MINIMUM SPACING BETWEEN NON-ORNAMENTAL TREES IS 50 FEET.
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16. THE LANDSCAPE CONTRACTOR MUST NOTIFY THE CITY OF SHAKOPEE NATURAL RESOURCES DEPT. WHEN LANDSCAPING IS COMPLETE. THE WARRANTY PERIOD SHALL NOT BEGIN UNTIL INSPECTION AND CITY ACCEPTANCE IS COMPLETE. CONTACT 952-233-9371 OR JBUSIAH@SHAKOPEE.MN.GOV.

PRELIMINARY PLANT SCHEDULE AND LEGEND				
SYMBOL	QTY	COMMON NAME	SIZE	ROOT
	36	SWAMP WHITE OAK	1.25" CAL.	B & B
		BUR OAK	1.25" CAL.	B & B
		NORTHERN ACCLAM HONEYLOCUST	1.25" CAL.	B & B
		PATRIOT ELM	1.25" CAL.	B & B
		KENTUCKY COFFEE TREE	1.25" CAL.	B & B
	24	SOULEVARD LARIX	1.25" CAL.	B & B
		PONDEROSA PINE	8" HT.	B & B
		AUSTRIAN PINE	8" HT.	B & B
		BIRCH (CLUMP)	2.5" CAL.	B & B
		CRABAPPLE	2.5" CAL.	B & B
	13	HAWTHORNE	2.5" CAL.	B & B
		YUCCA	45	CONT.
		FORSYTHIA	45	CONT.
		DOGWOOD	45	CONT.
		ROSE	45	CONT.
	11,814	SPirea	45	CONT.
		JUNIPER	45	CONT.
		BLACK EYED SUSAN	41	CONT.
		CATNIP	41	CONT.
		KARL FOSTER	41	CONT.
	42,777	TURF SEED	45,139	CONT.
		ANDOT NATIVE CONSTRUCTION SEED MIX	14,499	CONT.
		ROCK MULCH		

LANDSCAPE SUMMARY		
15% OF LOT AREA MUST BE LANDSCAPED (TOTAL LOT AREA 6507,401 SF)	276,110 SF REQ. - 99,710 SF PROVIDED	
IN A PARKING FACILITY EXCEEDING 50 SPACES, 1 DECIDUOUS SHADE TREE MUST BE PROVIDED FOR EACH 4,000 SF OF PAVEMENT.	17 REQ. - 36 PROVIDED	
GROSS FLOOR AREA (203,424 SF) MUST BE USED TO CALCULATE REQUIRED UNITS OF LANDSCAPING (CALCULATED BY TYPE BELOW)	229 UNITS REQ. - 229 PROVIDED	
MIN. 1.25" CALIPER DECIDUOUS TREE	49 TREES (49 UNITS)	
MIN. 8" TALL CONIFEROUS TREE	24 TREES (24 UNITS)	
5 GALLON SHRUB	100 SHRUBS (100 UNITS)	
800 SF NATIVE PLANTS	45,120 SF NATIVE PLANTS (56 UNITS)	
NOT MORE THAN 50% OF LANDSCAPING (REQUIRED FOR GROSS FLOOR AREA) SHALL BE COMPOSED OF SHRUBS.	REQUIREMENT MET	
NOT MORE THAN 20% OF TREE SPECIES (REQUIRED FOR GROSS FLOOR AREA) MAY BE ORNAMENTAL SPECIES.	REQUIREMENT MET	
IF THERE ARE AT LEAST 30 TREES REQUIRED, THEY SHALL BE COMPOSED OF NO MORE THAN 10% OF ONE SPECIES, 20% OF ONE GENUS, AND 30% OF ONE FAMILY.		
TOPSOIL SHALL BE AT LEAST 18" DEEP AND CONFORM TO SHAKOPEE LANDSCAPING REQUIREMENTS.		
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CAUTION!
CONTRACTOR IS TO VERIFY PRESENCE AND EXACT LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION. NOTIFY CEC IMMEDIATELY IF DISCREPANCIES EXIST.

Duke REALTY

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952.543.2900 • 952.543.2975 (fx)

Kimley»Horn

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(651) 845-4197

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY SUPERVISION AND THAT I AM A duly LICENSED PROFESSIONAL LANDSCAPE ARCHITECT UNDER THE LAWS OF THE STATE OF MINNESOTA.

CHARLES R. STEWART

DATE: 01-16-2017 MN LIC. NO. 48460

Professional Seal

GATEWAY SOUTH 2101

2101 4TH AVE EAST

LANDSCAPE PLAN

ISSUANCES

DRAWING INFORMATION

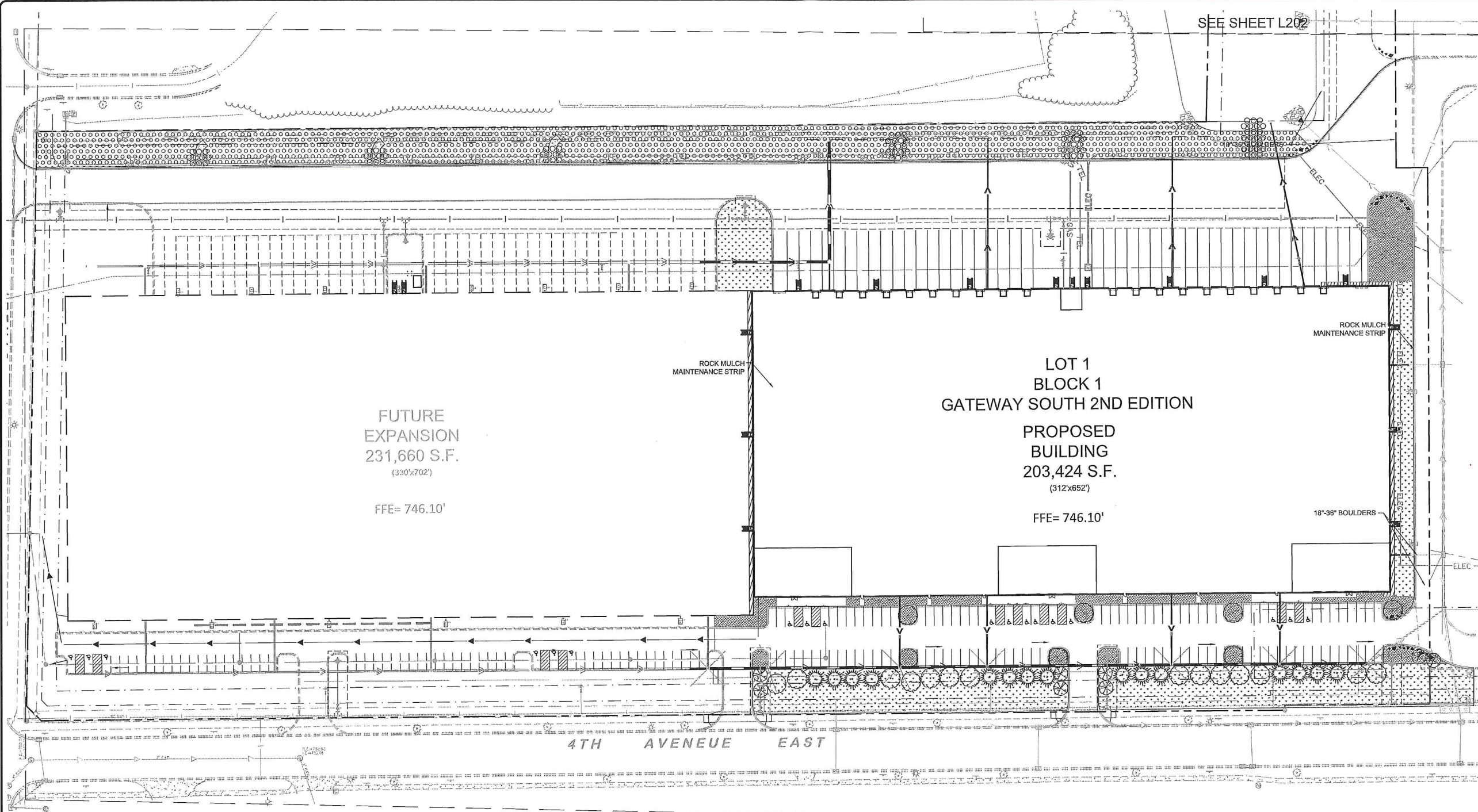
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LANDSCAPE PLAN

SHEET NUMBER

L200

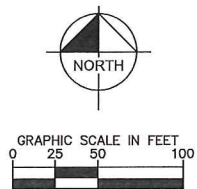


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		PATNOT ELM	1.25" CAL.	B & B
		KENTUCKY COFFEETREE	1.25" CAL.	B & B
	24	POKEROSA PINE	6" HT	B & B
		AUSTRIAN PINE	6" HT	B & B
		BIRCH (CLUMP)	2.5" CAL.	B & B
		CRABAPPLE	2.5" CAL.	B & B
		WINTERGREEN	2.5" CAL.	B & B
	13	VERBENA	#5	CONT.
		FORSYTHIA	#5	CONT.
		DOGWOOD	#5	CONT.
		ROSE	#5	CONT.
		SPREA	#5	CONT.
	11,814	JUNIPER	#5	CONT.
		BLACK EYED SUSAN	#1	CONT.
		DAYLILY	#1	CONT.
		KARL FOERSTER	#1	CONT.
		CANYON	#1	CONT.
	42,777	TURF SEED		
		MINOT NATIVE		
		CONSTRUCTION SEED MIX		
	14,000	ROCK MULCH		

LANDSCAPE SUMMARY		
15% OF LOT AREA MUST BE LANDSCAPED, (TOTAL LOT AREA 4507,401 SF)	478,110 SF REQ. - 90,710 SF PROVIDED	17 REQ. - 36 PROVIDED
IN A PARKING FACILITY EXCEEDING 50 SPACES, 1 DECIDUOUS SHADE TREE MUST BE PROVIDED FOR EACH 4,000 SF OF PAVEMENT.		
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5 GALLON SHRUB	100 SHRUBS (100 UNITS)	
800 SF NATIVE PLANTS	45,120 SF NATIVE PLANTS (26 UNITS)	
NOT MORE THAN 10% OF LANDSCAPING (REQUIRED FOR GROSS FLOOR AREA) SHALL BE COMPOSED OF SHRUBS.		
NOT MORE THAN 25% OF TREE SPECIES (REQUIRED FOR GROSS FLOOR AREA) MAY BE ORNAMENTAL SPECIES.	REQUIREMENT MET	
IF THERE ARE AT LEAST 30 TREES REQUIRED, THEY SHALL BE COMPOSED OF NO MORE THAN 10% OF ONE SPECIES, 20% OF ONE GENUS, AND 30% OF ONE FAMILY.		
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I HEREBY CERTIFY THAT THIS SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY CLOSE SUPERVISION AND THAT I AM A duly LICENSED PROFESSIONAL LANDSCAPE ARCHITECT UNDER THE LAWS OF THE STATE OF MINNESOTA.

CHARLES R. STEWART
DATE: 01-16-2017 MN LIC. NO. 48460
Professional Seal

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LANDSCAPE PLAN

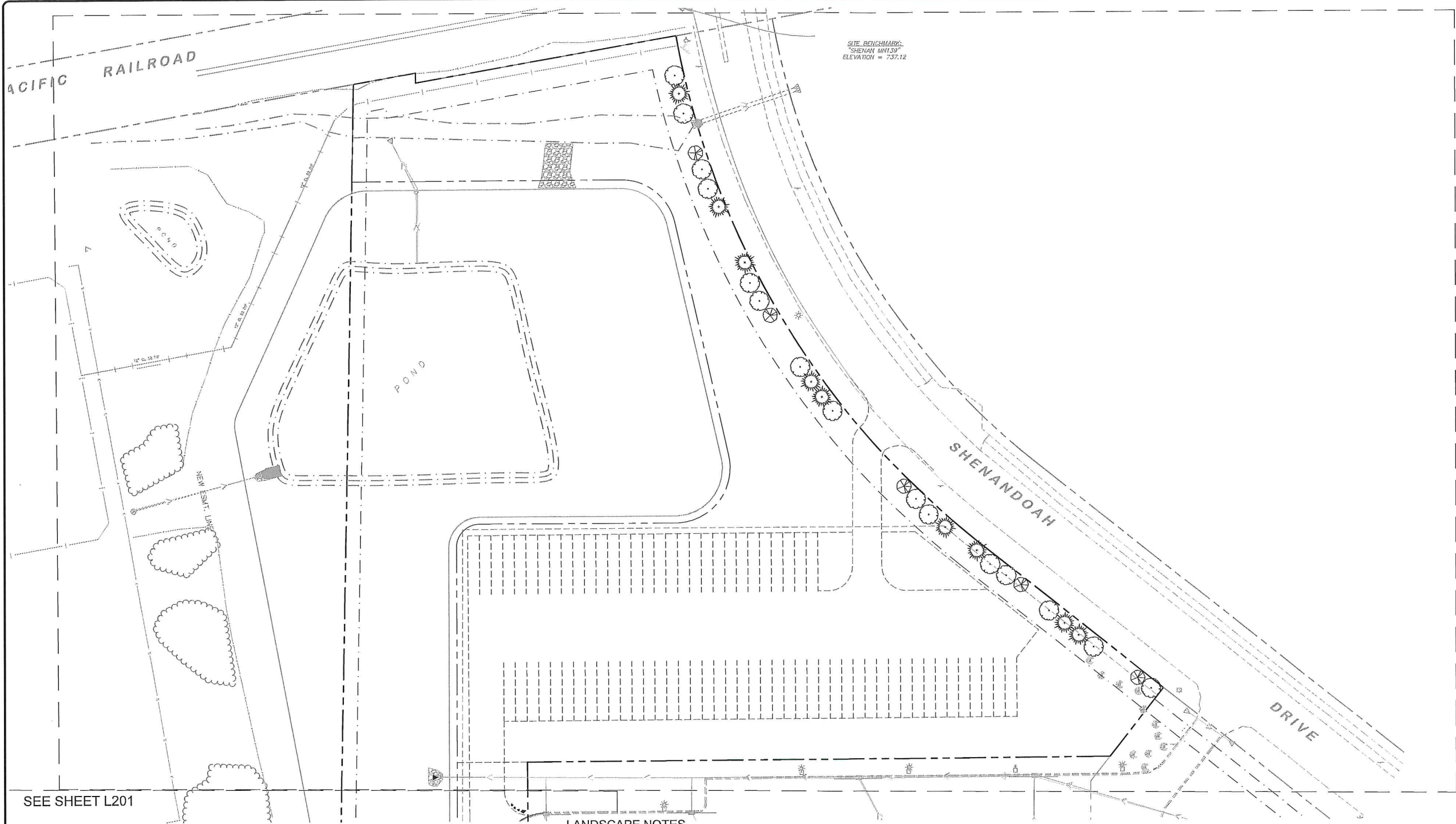
ISSUANCES		
#	Description	Date

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DRAWING / SHEET TITLE
LANDSCAPE PLAN

SHEET NUMBER
L201

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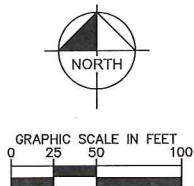


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	13	BIRCH (CLUMP)	2.5" CAL.	B & B
		CRABAPPLE	2.5" CAL.	B & B
	11,814 SF	VIBURNUM	#1	CONT.
		FORSYTHIA	#1	CONT.
		DOGWOOD	#1	CONT.
		ROSE	#1	CONT.
		SPIREA	#1	CONT.
		JUNIPER	#1	CONT.
		BLACK EYED SUSAN	#1	CONT.
		DANIELA	#1	CONT.
		KARL FORSTER	#1	CONT.
		CATALPA	#1	CONT.
	42,777 SF	TURF SEED		
		MINIOT NATIVE CONSTRUCTION SEED MIX		
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LANDSCAPE SUMMARY		
15% OF LOT AREA MUST BE LANDSCAPED (TOTAL LOT AREA ±507,401 SF)	±276,119 SF REQ. - 93,710 SF PROVIDED	
IN A PARKING FACILITY EXCEEDING 50 SPACES, 1 DECIDUOUS SHADE TREE MUST BE PROVIDED FOR EACH 4,000 SF OF PAVEMENT.	17 REQ. - 36 PROVIDED	
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NOT MORE THAN 50% OF LANDSCAPING (REQUIRED FOR GROSS FLOOR AREA) SHALL BE COMPOSED OF SHRUBBERY.	REQUIREMENT MET	
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ST. PAUL, MN 55114
(651) 645-4197

I HEREBY CERTIFY THAT THIS SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY CLOSE SUPERVISION AND THAT I AM A duly LICENSED PROFESSIONAL LANDSCAPE ARCHITECT UNDER THE LAWS OF THE STATE OF MINNESOTA.

CHARLES R. STEWART
DATE: 01-16-2017 MN LIC. NO. 48460
Professional Seal

GATEWAY SOUTH 2101

2101 4TH AVE EAST

LANDSCAPE PLAN

ISSUANCES

#	Description	Date

DRAWING INFORMATION

Scale: AS SHOWN
Date: 01/16/2017
Checked By: CRS
Drawn By: KAG
Duke Realty Job #:
A/E Job #:

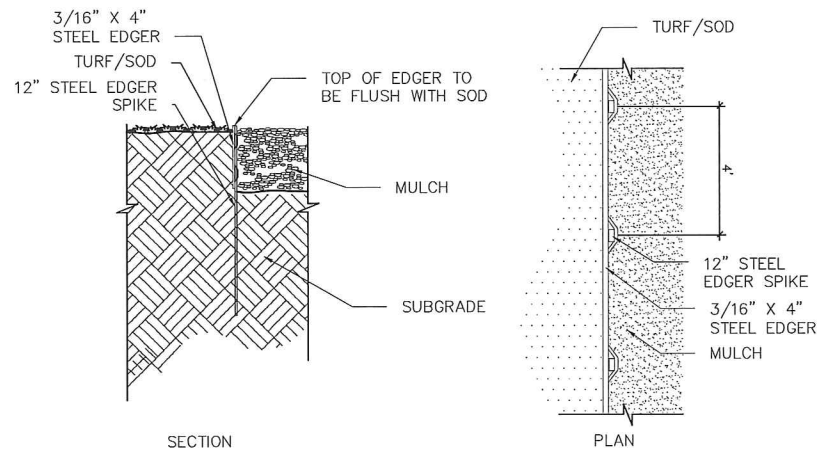
DRAWING / SHEET TITLE

LANDSCAPE PLAN

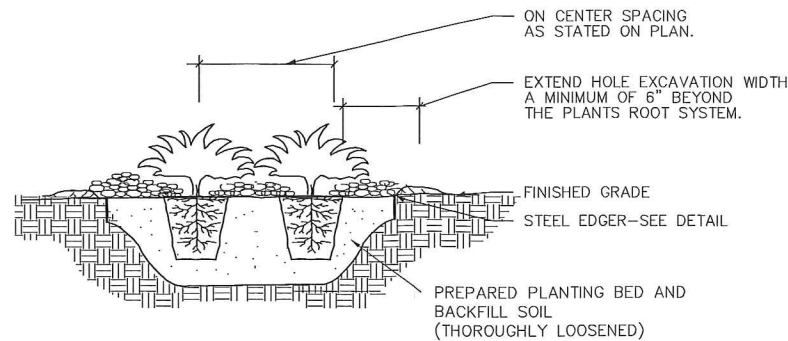
SHEET NUMBER

L202

H:\TWC\DEV\DUKE\Shakopee\3 Design\CAD\PlanSheets\L201 LANDSCAPE DETAILS.dwg January 31, 2017 - 9:07am



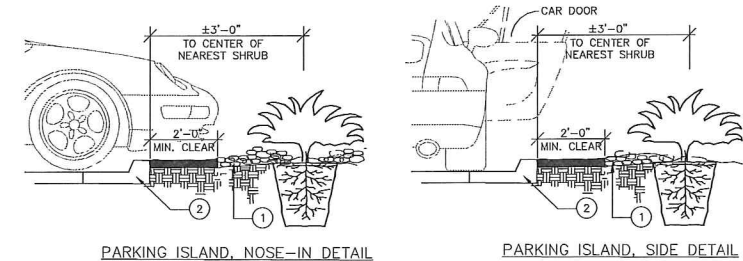
1 LANDSCAPE EDGER DETAIL



NOTES:

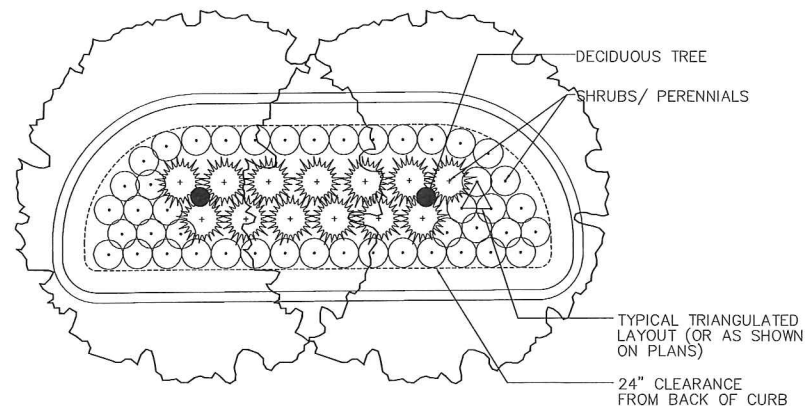
1. SCARIFY SIDES AND BOTTOM OF HOLE.
2. PROCEED WITH CORRECTIVE PRUNING OF TOP AND ROOT.
3. REMOVE CONTAINER AND SCORE OUTSIDE OF SOIL MASS TO REDIRECT AND PREVENT CIRCLING FIBROUS ROOTS. REMOVE OR CORRECT STEM GIRDLING ROOTS.
4. PLUMB AND BACKFILL WITH PLANTING SOIL.
5. WATER THOROUGHLY WITHIN 2 HOURS TO SETTLE PLANTS AND FILL VOIDS.
6. BACK FILL VOIDS AND WATER SECOND TIME.
7. PLACE MULCH WITHIN 48 HOURS OF THE SECOND WATERING UNLESS SOIL MOISTURE IS EXCESSIVE.
8. MIX IN 3-4" OF ORGANIC COMPOST.

2 SHRUB PLANTING DETAIL

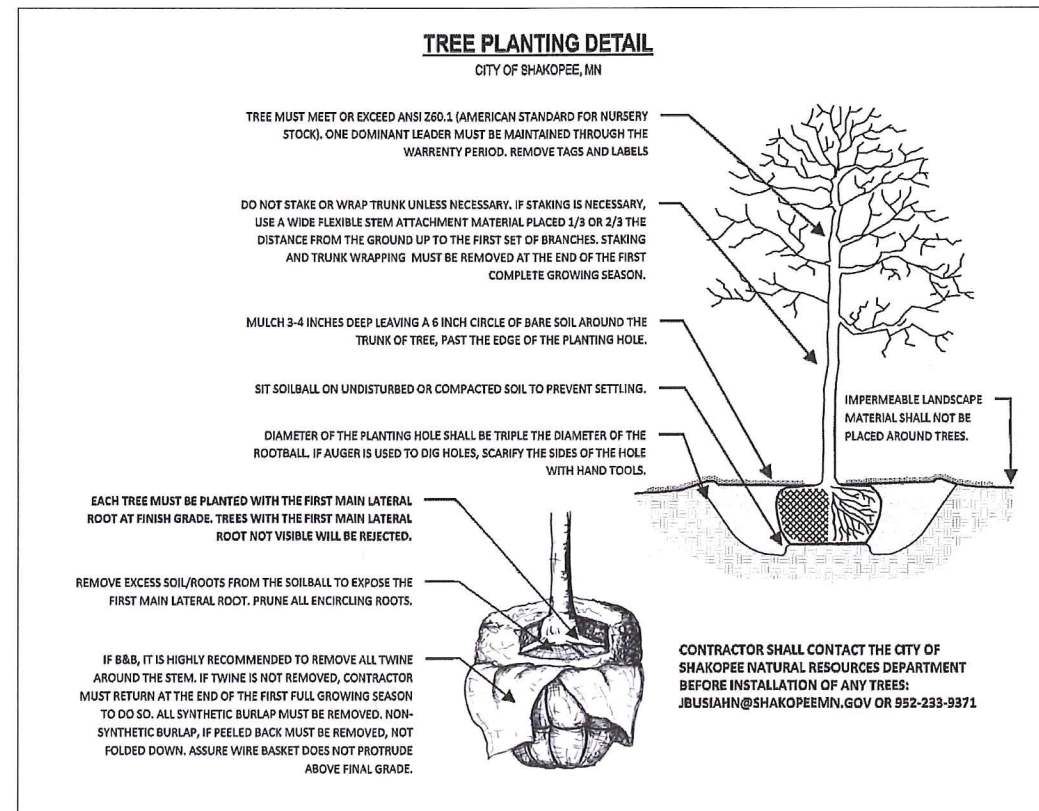


1. INSTALL CONTINUOUS MULCH BED ADJACENT TO PARKING SPACES AS SHOWN.
2. MULCH SHALL BE MIN. 4" DEEP. NO POP-UP IRRIGATION HEADS SHALL BE LOCATED
3. WITHIN 24" OF A PARKING SPACE ON ANY SIDE.
4. CURB OR PARKING LOT EDGE.

3 PARKING SPACE PLANTINGS



4 LANDSCAPE ISLAND PLANTINGS



5 TREE PLANTING DETAIL

ALL CONTRACTORS MUST CONTACT
GOPHER STATE CALL ONE
MN TOLL FREE 1-800-252-1166
BEFORE CONSTRUCTION BEGINS
TWIN CITY AREA 651-454-0002

CAUTION!!
CONTRACTOR IS TO VERIFY PRESENCE
AND EXACT LOCATION OF ALL
UTILITIES PRIOR TO CONSTRUCTION.
NOTIFY CEC IMMEDIATELY IF
DISCREPANCIES EXIST.

**Duke
REALTY**

1550 Ulca Avenue South, Suite 400
Minneapolis, MN 55416
952.543.2900 • 952.543.2975 (fx)

Kimley»Horn

2550 UNIVERSITY AVENUE WEST, SUITE 238N
ST. PAUL, MN 55114
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