

- REFER TO GRADING PLAN FOR GRADING AND EROSION CONTROL INFORMATION.
 REFER TO L-500 & L-501 FOR LANDSCAPE NOTES & DETAILS.
- 3. LANDSCAPE SUBCONTRACTOR IS RESPONSIBLE FOR WATERING PLANT MATERIAL DURING THE WARRANTY PERIOD.
- THE WARRANTY PERIOD.

 4. ALL TREES AND SHRUBS SHALL RECEIVE 3" OF SHREDDED HARDWOOD MULCH IN AREAS
- OUTSIDE OF THE PARKING LOT ISLANDS.

 5. THE TOTALS IN THE PLANT SCHEDULES ARE FOR THE ENTIRE SITE

LEGEND:

EXISTING

4 4.4

PROPOSED

PROPERTY BOUNDARY

BUILDING SETBACK LINE

PARKING SETBACK LINE

EASEMENT

CONCRETE



RYAN A+E, INC. 533 South Third Street, Suite 100 Minneapolis, MN 55415 612-492-4000 tel 612-492-3000 fax

WWW.RYANCOMPANIES.COM

PRELIMINARY NOT FOR CONSTRUCTION

DJECT INFORMATION

BROOKINGS MARKETPLACE RETAIL

3031 6TH STREET BROOKINGS, SD

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 Landscape Architect under the laws of the State of South Dakota.

Diskitado

DAVID W. PATTEN

REGISTRATION NO. DATE

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DRAWN BY
DWP
DWP

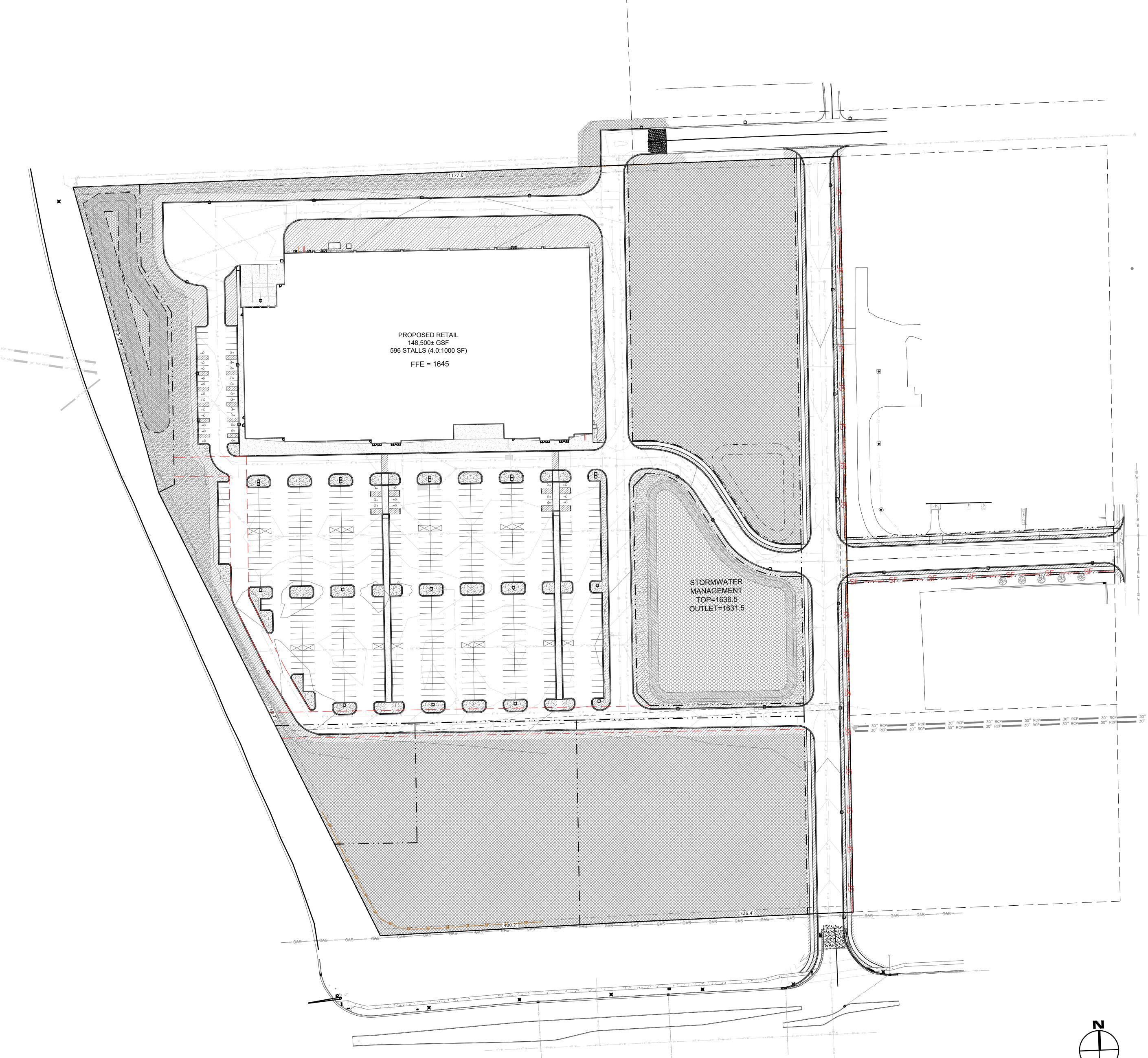
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DATE
701429
05/01/2023

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ISSUE#	DATE	DESCRIPTION					
01	05/01/2023	CITY REVIEW					
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CITY SUBMITTAL

LANDSCAPE SITE PLAN

L100



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GROUND COVER SCHEDULE

LEGEND:

EXISTING

PROPOSED

4. 44.

PROPERTY BOUNDARY

BUILDING SETBACK LINE

PARKING SETBACK LINE

EASEMENT

CONCRETE

GROUND COVERS	CODE	QTY	BOTANICAL / COMMON NAME	SIZE	CONTAINER	REMARKS
	MDS	13,349 sf	MULCH DS Hardwood Double Shreded Hadwood Mulch	SF		MULCH SHALL BE OF A MEDII TEXTURE AND CONSISTANC' LARGE WOOD CHUNKS.
	MLR	2,121 sf	MULCH Rock Rock Mulch - Maint. Strip	SF		1.5" CLEAR, ROUND, GRANITE
	SBB	45,865 sf	Ryan Native Seed Mix - Basin Bottom Storm Basin Bottom	SF		REFER TO LANDSCAPE DETA SHEETS FOR RYAN NATIVE S MIX SPECIFICATIONS
	SBR	34,896 sf	Ryan Native Seed Mix - Basin Rim Storm Basin Rim Seed Mix	SF		REFER TO LANDSCAPE DETA SHEETS FOR RYAN NATIVE S MIX SPECIFICATIONS
	NUP	61,220 sf	Ryan Native Seed Mix - Upland Native Upland Seed Mix	SF		REFER TO LANDSCAPE DETA SHEETS FOR RYAN NATIVE S MIX SPECIFICATIONS
	SDC	340,869 sf	SD DOT SEED MIX C Hydromulch	SF		Off Site / Outlot Vegetation Cove
	TRS	73,718 sf	Turf Sod Drought Tolerant Fescue Blend	SF		PROVIDE SPECIES MIX TO LANDSCAPE ARCHITECT FOR APPROVAL
	TRS-2	27,545 sf	Turf Sod - R.O.W. Drought Tolerant Fescue Blend	SF		Offsite Improvements



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3031 6TH STREET BROOKINGS, SD

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DAVID W. PATTEN

REGISTRATION NO.

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ISSUE RECORD ISSUE # DATE DESCRIPTION CITY REVIEW

CITY SUBMITTAL

LANDSCAPE LAYOUT PLAN



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PLANTING CALCULATIONS

LEGEND:

EXISTING

PROPOSED

4...

PROPERTY BOUNDARY

BUILDING SETBACK LINE

PARKING SETBACK LINE

EASEMENT

CONCRETE

THE TOTAL NUMBER OF TREES PROVIDED ON SITE IS ONE TREE FOR THE FIRST 4,000 SF OF HARD SURFACE; AND THEN ONE TREE FOR EVERY 3,000 SF THEREOF. TOTAL AREA OF HARD SURFACES 482,180 SF. (-4,000 SF = 1 TREE) /3,000 = 161 TOTAL TREES. THE 161 TREES ARE PROVIDED AS REQUIRED. THE REMAINDER OF LANDSCAPE SPACES REQUIRED TO BE LANDSCAPED HAVE BEEN DONE SO WITH A COMBINATION OF DURABLE GRASSES, TURF SOD, AND SHRUBS.

TREE PLANTING SCHEDULE

DECIDUOUS TREES	CODE	QTY	BOTANICAL / COMMON NAME	SIZE	CONTAINER	REMARKS
	QM	14	Quercus macrocarpa Burr Oak	1.5" Cal.	B&B	SINGLE LEADER, FULL CROWN
⊗	QR	18	Quercus rubra Red Oak	1.5" Cal.	B&B	SINGLE LEADER, FULL CROWN
\bigcirc	ТВ	16	Tilia americana 'Boulevard' Boulevard American Linden	1.5" Cal.	B&B	SINGLE LEADER, FULL CROWN
	TD	20	Tilia americana 'Duros' True North™ American Linden	1.5" Cal.	B&B	SINGLE LEADER, FULL CROWN
8	TR	10	Tilia americana 'Redmond' Redmond American Linden	1.5" Cal.	B&B	SINGLE LEADER, FULL CROWN
↔	UL	16	Ulmus americana 'Lewis & Clark' Prairie Expedition® American Elm	1.5" Cal.	B&B	SINGLE LEADER, FULL CROWN
↔	UP	12	Ulmus americana 'Princeton' Princeton American Elm	1.5" Cal.	B&B	SINGLE LEADER, FULL CROWN
⊗	UA	9	Ulmus x 'Morton' Accolade™ Elm	1.5" Cal.	B&B	SINGLE LEADER, FULL CROWN
EVERGREEN TREES	CODE	QTY	BOTANICAL / COMMON NAME	SIZE	CONTAINER	REMARKS
₩	PG	11	Picea glauca densata Black Hills Spruce	6` Ht.	B&B	FULL FORM TO GRADE, SINGLE LEADER
**	PC	11	Pinus contorta latifolia Lodgepole Pine	6` Ht.	B&B	FULL FORM TO GRADE, SINGLE LEADER
*	Pn	12	Pinus nigra Austrian Pine	6` Ht.	B&B	FULL FORM TO GRADE, SINGLE LEADER
	PP	12	Pinus ponderosa Ponderosa Pine	6` Ht.	B&B	FULL FORM TO GRADE, SINGLE LEADER



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CITY SUBMITTAL

TREE PLANTING PLAN

PROPOSED RETAIL 148,500± GSF 596 STALLS (4.0:1000 SF) FFE = 1645 LEGEND: _____ 30" RCP______ 30" RCP_____ 30" RCP____

LANDSCAPE PLANTING NOTES

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- 5. PROPOSED TREES ARE ILLUSTRATED IN GRAYSCALE ON THIS SHEET FOR LOCATION REFERENCE ONLY.
- REFER TO SHEET L400 FOR TREE LOCATIONS, LABELING AND TREE PLANTING SCHEDULE.

SHRUB & GRASSES PLANTING SCHEDULE

DECIDUOUS SHRUBS	CODE	QTY	BOTANICAL / COMMON NAME	SIZE	CONTAINER	REMARKS
•	сар	11	Cornus alba 'Prairie Fire' Prairie Fire Tatarian Dogwood	5 gal.	Cont.	FORM/SIZE = THE MOST CU AMERICAN STANDARD FOR NURSERY STOCK REQUIRE
0	fmb	59	Fothergilla major 'Blue Shadow' Blue Shadow Fothergilla	5 gal.	Cont.	FORM/SIZE = THE MOST CU AMERICAN STANDARD FOR NURSERY STOCK REQUIRE
()	haa	52	Hydrangea arborescens 'Annabelle' Annabelle Hydrangea	5 gal.	Cont.	FORM/SIZE = THE MOST CU AMERICAN STANDARD FOR NURSERY STOCK REQUIRE
©	hpj	52	Hydrangea paniculata 'Jane' Little Lime® Panicle Hydrangea	5 gal.	Cont.	FORM/SIZE = THE MOST CU AMERICAN STANDARD FOR NURSERY STOCK REQUIRE
0	pol	33	Physocarpus opulifolius 'Little Devil' Little Devil™ Dwarf Ninebark	5 gal.	Cont.	FORM/SIZE = THE MOST CU AMERICAN STANDARD FOR NURSERY STOCK REQUIRE
•	pfm	75	Potentilla fruticosa 'McKay's White' McKay's White Bush Cinquefoil	5 gal.	Cont.	FORM/SIZE = THE MOST CU AMERICAN STANDARD FOR NURSERY STOCK REQUIRE
\otimes	rag	61	Ribes alpinum 'Green Mound' Green Mound Alpine Currant	5 gal.	Cont.	FORM/SIZE = THE MOST CU AMERICAN STANDARD FOR NURSERY STOCK REQUIRE
₿	sxf	17	Salix x 'Flame' Flame Willow	5 gal.	Cont.	FORM/SIZE = THE MOST CU AMERICAN STANDARD FOR NURSERY STOCK REQUIRE
\odot	sbt	94	Spiraea betulifolia 'Tor' White Frost™ Birchleaf Spirea	5 gal.	Cont.	FORM/SIZE = THE MOST CU AMERICAN STANDARD FOR NURSERY STOCK REQUIRE
®	sbn	68	Spiraea x bumalda 'Neon Flash' Neon Flash Spirea	5 gal.	Cont.	FORM/SIZE = THE MOST CU AMERICAN STANDARD FOR NURSERY STOCK REQUIRE
	smp	22	Syringa meyeri 'Palibin' Dwarf Korean Lilac	5 gal.	Cont.	FORM/SIZE = THE MOST CU AMERICAN STANDARD FOR NURSERY STOCK REQUIRE
O	ssm	12	Syringa x 'SMNJRPU' Bloomerang® Dwarf Purple Lilac	5 gal.	Cont.	FORM/SIZE = THE MOST CU AMERICAN STANDARD FOR NURSERY STOCK REQUIRE
EVERGREEN SHRUBS	CODE	QTY	BOTANICAL / COMMON NAME	SIZE	CONTAINER	REMARKS
0	jcs	26	Juniperus chinensis 'Sea Green' Sea Green Juniper	5 gal.	Cont.	FORM/SIZE = THE MOST CU AMERICAN STANDARD FOR NURSERY STOCK REQUIRE
	jhh	72	Juniperus horizontalis 'Hughes' Hughes Creeping Juniper	5 gal.	Cont.	FORM/SIZE = THE MOST CU AMERICAN STANDARD FOR NURSERY STOCK REQUIRE
*	mde	110	Microbiota decussata Siberian Carpet Cypress	5 gal.	Cont.	FORM/SIZE = THE MOST CU AMERICAN STANDARD FOR NURSERY STOCK REQUIRE
GRASSES	CODE	QTY	BOTANICAL / COMMON NAME	SIZE	CONTAINER	REMARKS
	cak	27	Calamagrostis x acutiflora 'Karl Foerster' Karl Foerster Feather Reed Grass	1 gal.	Pot	FORM/SIZE = THE MOST CU AMERICAN STANDARD FOR NURSERY STOCK REQUIRE
	msp	28	Miscanthus sinensis 'Purpurescens' Flame Grass	1 gal.	Pot	FORM/SIZE = THE MOST CU AMERICAN STANDARD FOR NURSERY STOCK REQUIRE
0	ssb	13	Schizachyrium scoparium 'Blaze' Blaze Little Bluestem	1 gal.	Pot	FORM/SIZE = THE MOST CU AMERICAN STANDARD FOR NURSERY STOCK REQUIRE

EXISTING

PROPOSED

TIP OUT

4...4.

----BSBL-----

-----PSBL -----

PROPERTY BOUNDARY

BUILDING SETBACK LINE

PARKING SETBACK LINE

LOT/TRACT LINE

EASEMENT

CONCRETE



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BROOKINGS MARKETPLACE RETAIL

3031 6TH STREET BROOKINGS, SD

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CITY SUBMITTAL

SHRUB PLANTING PLAN NW DETAIL



- REFER TO GRADING PLAN FOR GRADING AND EROSION CONTROL INFORMATION.
 REFER TO L-500 & L-501 FOR LANDSCAPE NOTES & DETAILS.
- LANDSCAPE SUBCONTRACTOR IS RESPONSIBLE FOR WATERING PLANT MATERIAL DURING THE WARRANTY PERIOD.
- THE WARRANTY PERIOD.

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- OUTSIDE OF THE PARKING LOT ISLANDS.

 5. PROPOSED TREES ARE ILLUSTRATED IN GRAYSCALE ON THIS SHEET FOR LOCATION REFERENCE ONLY. REFER TO SHEET L400 FOR TREE LOCATIONS, LABELING AND TREE PLANTING SCHEDULE.

SHRUB & GRASSES PLANTING SCHEDULE

DECIDUOUS SHRUBS	CODE	QTY	BOTANICAL / COMMON NAME	SIZE	CONTAINER	REMARKS
①	сар	11	Cornus alba 'Prairie Fire' Prairie Fire Tatarian Dogwood	5 gal.	Cont.	FORM/SIZE = THE MOST CURRE AMERICAN STANDARD FOR NURSERY STOCK REQUIREMN
•	fmb	59	Fothergilla major 'Blue Shadow' Blue Shadow Fothergilla	5 gal.	Cont.	FORM/SIZE = THE MOST CURRE AMERICAN STANDARD FOR NURSERY STOCK REQUIREMN
9	haa	52	Hydrangea arborescens 'Annabelle' Annabelle Hydrangea	5 gal.	Cont.	FORM/SIZE = THE MOST CURRE AMERICAN STANDARD FOR NURSERY STOCK REQUIREMN
(hpj	52	Hydrangea paniculata 'Jane' Little Lime® Panicle Hydrangea	5 gal.	Cont.	FORM/SIZE = THE MOST CURRE AMERICAN STANDARD FOR NURSERY STOCK REQUIREMN
	pol	33	Physocarpus opulifolius 'Little Devil' Little Devil™ Dwarf Ninebark	5 gal.	Cont.	FORM/SIZE = THE MOST CURRE AMERICAN STANDARD FOR NURSERY STOCK REQUIREMN
	pfm	75	Potentilla fruticosa 'McKay's White' McKay's White Bush Cinquefoil	5 gal.	Cont.	FORM/SIZE = THE MOST CURRE AMERICAN STANDARD FOR NURSERY STOCK REQUIREMN
\otimes	rag	61	Ribes alpinum 'Green Mound' Green Mound Alpine Currant	5 gal.	Cont.	FORM/SIZE = THE MOST CURRE AMERICAN STANDARD FOR NURSERY STOCK REQUIREMN
₿	sxf	17	Salix x 'Flame' Flame Willow	5 gal.	Cont.	FORM/SIZE = THE MOST CURRE AMERICAN STANDARD FOR NURSERY STOCK REQUIREMN
\odot	sbt	94	Spiraea betulifolia 'Tor' White Frost™ Birchleaf Spirea	5 gal.	Cont.	FORM/SIZE = THE MOST CURRE AMERICAN STANDARD FOR NURSERY STOCK REQUIREMN
	sbn	68	Spiraea x bumalda 'Neon Flash' Neon Flash Spirea	5 gal.	Cont.	FORM/SIZE = THE MOST CURRE AMERICAN STANDARD FOR NURSERY STOCK REQUIREMN
®	smp	22	Syringa meyeri 'Palibin' Dwarf Korean Lilac	5 gal.	Cont.	FORM/SIZE = THE MOST CURRE AMERICAN STANDARD FOR NURSERY STOCK REQUIREMN
0	ssm	12	Syringa x 'SMNJRPU' Bloomerang® Dwarf Purple Lilac	5 gal.	Cont.	FORM/SIZE = THE MOST CURRE AMERICAN STANDARD FOR NURSERY STOCK REQUIREMN
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0	jcs	26	Juniperus chinensis 'Sea Green' Sea Green Juniper	5 gal.	Cont.	FORM/SIZE = THE MOST CURRE AMERICAN STANDARD FOR NURSERY STOCK REQUIREMN
©	jhh	72	Juniperus horizontalis 'Hughes' Hughes Creeping Juniper	5 gal.	Cont.	FORM/SIZE = THE MOST CURRE AMERICAN STANDARD FOR NURSERY STOCK REQUIREMN
*	mde	110	Microbiota decussata Siberian Carpet Cypress	5 gal.	Cont.	FORM/SIZE = THE MOST CURRE AMERICAN STANDARD FOR NURSERY STOCK REQUIREMN
GRASSES	CODE	QTY	BOTANICAL / COMMON NAME	SIZE	CONTAINER	REMARKS
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	msp	28	Miscanthus sinensis 'Purpurescens' Flame Grass	1 gal.	Pot	FORM/SIZE = THE MOST CURRE AMERICAN STANDARD FOR NURSERY STOCK REQUIREMN
0	ssb	13	Schizachyrium scoparium 'Blaze' Blaze Little Bluestem	1 gal.	Pot	FORM/SIZE = THE MOST CURRE AMERICAN STANDARD FOR NURSERY STOCK REQUIREMN

LEGEND:

EXISTING

PROPOSED

PROPERTY BOUNDARY

BUILDING SETBACK LINE

PARKING SETBACK LINE

EASEMENT

CONCRETE

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JECT INFORMATION

BROOKINGS MARKETPLACE RETAIL

3031 6TH STREET BROOKINGS, SD

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Die W. Fach

DAVID W. PAT

STRATION NO. DATE 05/01/2023

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DRAWN BY

DWP

DWP

JOB NO.

701429

05/01/2023

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CITY SUBMITTAL

SHRUB PLANTING PLAN NE DETAIL

L402



- REFER TO GRADING PLAN FOR GRADING AND EROSION CONTROL INFORMATION. REFER TO L-500 & L-501 FOR LANDSCAPE NOTES & DETAILS.
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SHRUB & GRASSES PLANTING SCHEDULE

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EXISTING

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TIP OUT

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PARKING SETBACK LINE

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BROOKINGS MARKETPLACE RETAIL

3031 6TH STREET BROOKINGS, SD

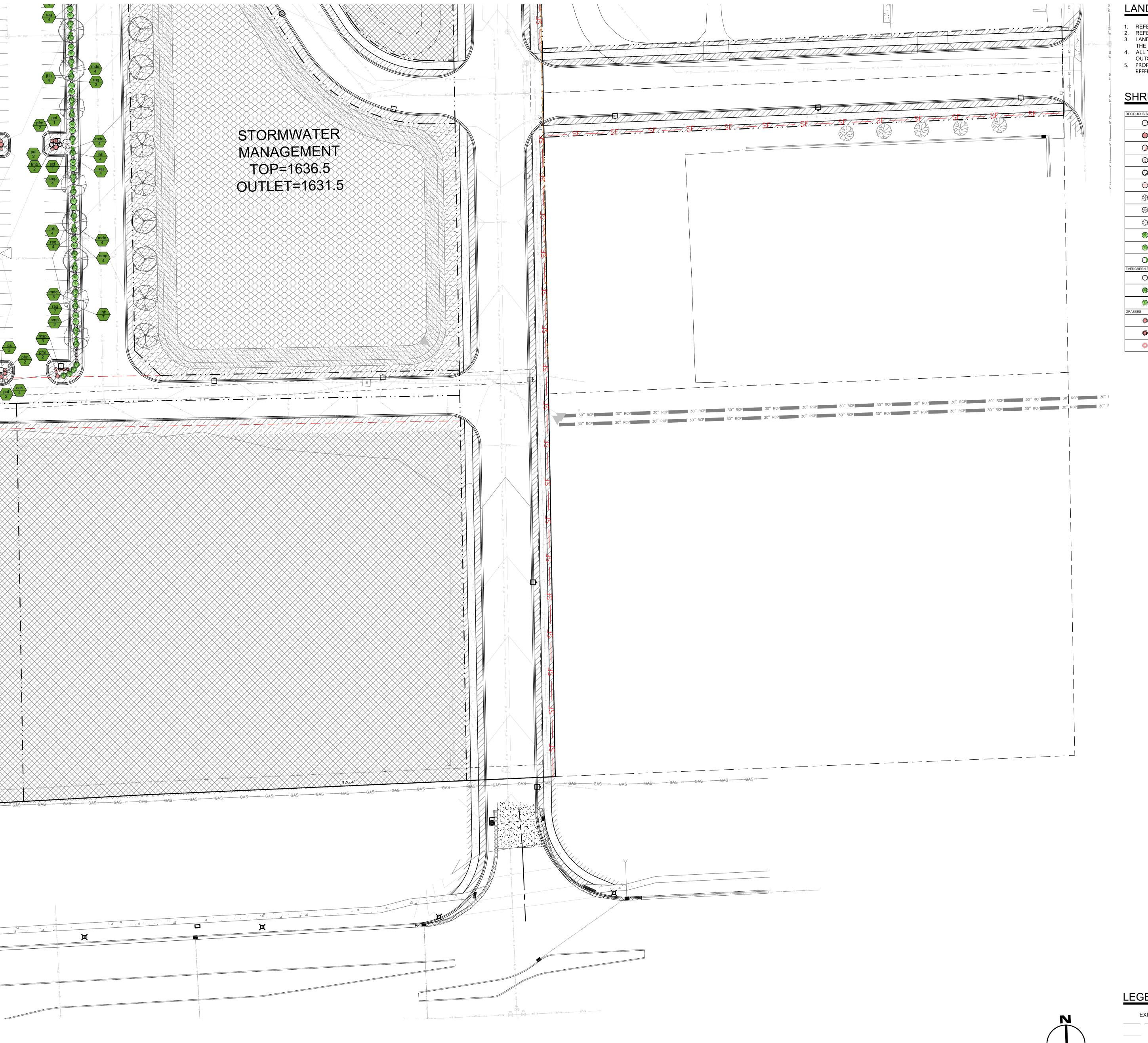
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SHRUB PLANTING PLAN SW DETAIL



- 3. LANDSCAPE SUBCONTRACTOR IS RESPONSIBLE FOR WATERING PLANT MATERIAL DURING
- 4. ALL TREES AND SHRUBS SHALL RECEIVE 3" OF SHREDDED HARDWOOD MULCH IN AREAS OUTSIDE OF THE PARKING LOT ISLANDS.
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()	haa	52	Hydrangea arborescens 'Annabelle' Annabelle Hydrangea	5 gal.	Cont.	FORM/SIZE = THE MOST CURRENT AMERICAN STANDARD FOR NURSERY STOCK REQUIREMNTS
(hpj	52	Hydrangea paniculata 'Jane' Little Lime® Panicle Hydrangea	5 gal.	Cont.	FORM/SIZE = THE MOST CURRENT AMERICAN STANDARD FOR NURSERY STOCK REQUIREMNTS
0	pol	33	Physocarpus opulifolius 'Little Devil' Little Devil™ Dwarf Ninebark	5 gal.	Cont.	FORM/SIZE = THE MOST CURRENT AMERICAN STANDARD FOR NURSERY STOCK REQUIREMNTS
	pfm	75	Potentilla fruticosa 'McKay's White' McKay's White Bush Cinquefoil	5 gal.	Cont.	FORM/SIZE = THE MOST CURRENT AMERICAN STANDARD FOR NURSERY STOCK REQUIREMNTS
\otimes	rag	61	Ribes alpinum 'Green Mound' Green Mound Alpine Currant	5 gal.	Cont.	FORM/SIZE = THE MOST CURRENT AMERICAN STANDARD FOR NURSERY STOCK REQUIREMNTS
⇔	sxf	17	Salix x 'Flame' Flame Willow	5 gal.	Cont.	FORM/SIZE = THE MOST CURRENT AMERICAN STANDARD FOR NURSERY STOCK REQUIREMNTS
\odot	sbt	94	Spiraea betulifolia 'Tor' White Frost™ Birchleaf Spirea	5 gal.	Cont.	FORM/SIZE = THE MOST CURRENT AMERICAN STANDARD FOR NURSERY STOCK REQUIREMNTS
®	sbn	68	Spiraea x bumalda 'Neon Flash' Neon Flash Spirea	5 gal.	Cont.	FORM/SIZE = THE MOST CURRENT AMERICAN STANDARD FOR NURSERY STOCK REQUIREMNTS
®	smp	22	Syringa meyeri 'Palibin' Dwarf Korean Lilac	5 gal.	Cont.	FORM/SIZE = THE MOST CURRENT AMERICAN STANDARD FOR NURSERY STOCK REQUIREMNTS
O	ssm	12	Syringa x 'SMNJRPU' Bloomerang® Dwarf Purple Lilac	5 gal.	Cont.	FORM/SIZE = THE MOST CURRENT AMERICAN STANDARD FOR NURSERY STOCK REQUIREMNTS
EVERGREEN SHRUBS	CODE	QTY	BOTANICAL / COMMON NAME	SIZE	CONTAINER	REMARKS
0	jcs	26	Juniperus chinensis 'Sea Green' Sea Green Juniper	5 gal.	Cont.	FORM/SIZE = THE MOST CURRENT AMERICAN STANDARD FOR NURSERY STOCK REQUIREMNTS
	jhh	72	Juniperus horizontalis 'Hughes' Hughes Creeping Juniper	5 gal.	Cont.	FORM/SIZE = THE MOST CURRENT AMERICAN STANDARD FOR NURSERY STOCK REQUIREMNTS
*	mde	110	Microbiota decussata Siberian Carpet Cypress	5 gal.	Cont.	FORM/SIZE = THE MOST CURRENT AMERICAN STANDARD FOR NURSERY STOCK REQUIREMNTS
GRASSES	CODE	QTY	BOTANICAL / COMMON NAME	SIZE	CONTAINER	REMARKS
- The state of the	cak	27	Calamagrostis x acutiflora 'Karl Foerster' Karl Foerster Feather Reed Grass	1 gal.	Pot	FORM/SIZE = THE MOST CURRENT AMERICAN STANDARD FOR NURSERY STOCK REQUIREMNTS
***	msp	28	Miscanthus sinensis 'Purpurescens' Flame Grass	1 gal.	Pot	FORM/SIZE = THE MOST CURRENT AMERICAN STANDARD FOR NURSERY STOCK REQUIREMNTS
0	ssb	13	Schizachyrium scoparium 'Blaze' Blaze Little Bluestem	1 gal.	Pot	FORM/SIZE = THE MOST CURRENT AMERICAN STANDARD FOR NURSERY STOCK REQUIREMNTS



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PRELIMINARY **NOT FOR** CONSTRUCTION

BROOKINGS MARKETPLACE RETAIL

3031 6TH STREET BROOKINGS, SD

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 Landscape Architect under the laws of the State of South Dakota.

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ISSUE RECORD							
ISSUE#	DATE	DESCRIPTION					
01	05/01/2023	CITY REVIEW					

CITY SUBMITTAL

SHRUB PLANTING PLAN SE DETAIL

LEGEND:

EXISTING PROPOSED

EASEMENT CONCRETE BUILDING SETBACK LINE PARKING SETBACK LINE



- 1. REFER TO GRADING PLAN FOR GRADING AND EROSION CONTROL INFORMATION.
- 2. REFER TO L-500 & L-501 FOR LANDSCAPE NOTES & DETAILS. 3. LANDSCAPE SUBCONTRACTOR IS RESPONSIBLE FOR WATERING PLANT MATERIAL DURING THE WARRANTY PERIOD.
- 4. ALL TREES AND SHRUBS SHALL RECEIVE 3" OF SHREDDED HARDWOOD MULCH IN AREAS OUTSIDE OF THE PARKING LOT ISLANDS.
- 5. REFER TO SHEET L100 FOR COMPLETE PLANT SCHEDULE AND QUANTITIES.

LEGEND:

EXISTING PROPOSED

TIP OUT 4 4.4 -----BSBL -----

-----PSBL -----

LOT/TRACT LINE EASEMENT CONCRETE BUILDING SETBACK LINE

PARKING SETBACK LINE

PROPERTY BOUNDARY

CITY SUBMITTAL

LANDSCAPE PLANTING PLAN FRONT DETAIL

GENERAL NOTES

- 1. LANDSCAPE SUBCONTRACTOR TO VERIFY ALL UTILITY LOCATIONS ON PROPERTY WITH THE GENERAL SUBCONTRACTOR AND BY CALLING SOUTH DAKOTA ONE CALL - 811 (WWW.SDONECALL.COM) PRIOR TO STAKING PLANT LOCATIONS.
- 2. COORDINATE THE PHASES OF CONSTRUCTION AND PLANTING INSTALLATIONS WITH OTHER SUBCONTRACTORS WORKING ON SITE.
- 3. LANDSCAPE SUBCONTRACTOR SHALL PROTECT EXISTING ROAD SURFACES, CURBS / GUTTERS, TRAILS, TREES, GRASSED SURFACES AND OTHER INSTALLED SITE AMENITIES DURING CONSTRUCTION OPERATIONS. ALL DAMAGE SHALL BE REPAIRED AT NO ADDITIONAL COST TO THE OWNER.
- 4. WHERE EXISTING TREES AND/OR SIGNIFICANT SHRUBS MASSINGS ARE FOUND ON SITE, WHETHER SHOWN ON THE DRAWING OR NOT. THEY SHALL BE PROTECTED AND SAVED UNLESS NOTED TO BE REMOVED AND/OR ARE IN AN AREA TO BE GRADED. ANY QUESTION REGARDING WHETHER PLANT MATERIAL SHOULD REMAIN OR NOT SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT PRIOR TO REMOVAL.
- 5. ALL EXISTING TREES TO REMAIN TO BE FERTILIZED AND PRUNED TO REMOVE DEAD WOOD AND DAMAGED OR RUBBING BRANCHES.
- 6. B&B TREES AND SHRUBS ARE BALLED AND BURLAPED.
- 7. NO PLANT MATERIAL SUBSTITUTIONS WILL BE ACCEPTED UNLESS APPROVAL IS REQUESTED OF THE LANDSCAPE ARCHITECT BY THE LANDSCAPE SUBCONTRACTOR PRIOR TO THE SUBMISSION OF A BID AND/OR QUOTATION.
- 8. ALL PLANT MATERIAL SHALL COMPLY WITH THE LATEST EDITION OF THE AMERICAN STANDARD FOR NURSERY STOCK, AMERICAN ASSOCIATION OF NURSERYMEN.
- 9. SUBCONTRACTOR IS RESPONSIBLE FOR ON-GOING MAINTENANCE OF ALL NEWLY INSTALLED MATERIALS UNTIL TIME OF OWNER ACCEPTANCE. ANY ACTS OF VANDALISM OR DAMAGE WHICH MAY OCCUR PRIOR TO OWNER ACCEPTANCE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- 10. SUBCONTRACTOR SHALL PROVIDE A WRITTEN REQUEST FOR THE OWNER ACCEPTANCE INSPECTION.

ACCEPTANCE WITH ALL REPLACEMENTS TO BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER.

- 11. WARRANTY FOR LANDSCAPE MATERIALS SHALL BEGIN ON THE DATE OF ACCEPTANCE BY THE LANDSCAPE ARCHITECT AFTER THE COMPLETION OF PLANTING OF ALL LANDSCAPE MATERIALS. NO PARTIAL ACCEPTANCE WILL BE CONSIDERED.
- 12. SUBCONTRACTOR SHALL GUARANTEE NEW PLANT MATERIAL THROUGH ONE CALENDAR YEAR FROM THE DATE OF OWNER

IRRIGATION NOTES

- 1. LANDSCAPE SUBCONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A SHOP DRAWING ILLUSTRATING AN IRRIGATION PLAN AND SPECIFICATION AS PART OF THE SCOPE OF WORK WHEN BIDDING. THESE SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO ORDER.
- 2. VERIFY EXISTING/PROPOSED IRRIGATION SYSTEM LOCATION.

─ 8'-0"

STEEL STAKE

DECIDUOUS TREE PLANTING DETAIL

SHRUB BED PLANTING DETAIL

PLANT PLANT

SPACING SPACING ►

- 3. UNLESS OTHERWISE NOTED ALL SOD/SEED AND PLANTING AREAS INDICATED ON PLAN SHALL BE 100% IRRIGATED. THE IRRIGATION SHALL INCLUDE THE PUBLIC RIGHT-OF-WAY BETWEEN PROPERTY LINE AND BACK OF CURB WHERE NEW LANDSCAPE IMPROVEMENTS ARE PROPOSED.
- 4. IT SHALL BE THE LANDSCAPE SUBCONTRACTOR'S RESPONSIBILITY TO INSURE THAT ALL SODDED / SEEDED AND PLANTED AREAS ARE IRRIGATED PROPERLY, INCLUDING THOSE AREAS DIRECTLY AROUND AND ABUTTING BUILDING FOUNDATION.
- 5. THE LANDSCAPE SUBCONTRACTOR SHALL PROVIDE THE OWNER WITH A WATERING/LAWN IRRIGATION SCHEDULE APPROPRIATE TO THE PROJECT SITE CONDITIONS AND TO PLANT MATERIAL GROWTH REQUIREMENTS.

DOUBLE STRAND 14 GA. WIRE -3' @ 120° INTERVALS (TYP.)

POLYETHYLENE (40 MIL, 1-1/2"

TREE WRAP TO FIRST BRANCH

ROOTBALL TO SIT ON SUBGRADE

(UNLESS NOTED OTHERWISE)

PLANTING SOIL - SEE SPEC.

 $^{ extstyle -}$ 2" X 24" WOOD STAKE SET

TOPSOIL

SUBGRADE

AT ANGLE

PLANTING.

ILLUSTRATED.

PULL MULCH BACK FROM ROOT COLLAR

- MULCH - 4" DEEP SHREDDED HARDWOOD

SCARIFY BOTTOM AND SIDES OF HOLE PRIOR TO

IT IS THE SUBCONTRACTOR'S OPTION TO STAKE

TREES, HOWEVER, THE SUBCONTRACTOR IS

TWO ALTERNATE METHODS OF TREE STAKING ARE

RESPONSIBLE FOR MAINTAINING TREES IN A PLUMB

MULCH - 4" DEEP SHREDDED HARDWOOD

(UNLESS NOTED OTHERWISE)

SET TOP OF ROOT BALL FLUSH

TO GRADE OR 1-2 IN. HIGHER IN SLOWLY DRAINING SOILS

PLANTING SOIL - SEE SPEC

NTS

POSITION THROUGHOUT THE GUARANTEE PERIOD

16" POLYPROPYLENE OR

FLAGGING - ONE PER WIRE

WIDE STRAP TYP.)

6. IRRIGATION SYSTEMS SHALL COMPLY WITH ALL LOCAL GOVERNMENT UNITS CODES & REQUIREMENTS.

PLANTING SPECIFICATIONS

OTHERWISE.

- 1. PLANTING BED PREPARATION: ALL MASS PLANTING BEDS SHALL BE TILLED TO A MINIMUM DEPTH OF 10". AMENDMENTS SHALL BE APPLIED AFTER CULTIVATION.
- BACKFILL SOIL: USE SOIL EXCAVATED FROM PLANTING HOLES AND PROVIDE AMENDMENTS. REMOVE ALL DEBRIS INCLUDING ROCKS LARGER THAN 3" DIAMETER.
- FERTILIZATION: ALL PLANT MATERIALS SHALL BE FERTILIZED, UPON INSTALLATION, WITH DRIED BONE MEAL OR OTHER

SPECIFIED FERTILIZER MIXED IN WITH THE PLANTING SOIL PER THE MANUFACTURER'S INSTRUCTIONS UNLESS NOTED

- 4. MULCH MATERIAL: AS SPECIFIED ON THE LANDSCAPE PLANS. MASS MULCH ALL PLANTING BEDS TO 3" DEPTH OVER FIBER MAT WEED BARRIER. ALL PERENNIAL PLANTING BEDS TO RECEIVE 3" DEEP SHREDDED HARDWOOD MULCH WITH NO FIBER MAT WEED BARRIER. ALL EVERGREEN AND DECIDUOUS TREES TO RECEIVE 6" DEEP SHREDDED HARDWOOD MULCH WITH NO MULCH
- IN DIRECT CONTACT WITH TREE TRUNK. TREE STAKING: IT SHALL BE THE SUBCONTRACTOR'S RESPONSIBILITY TO STAKE AND/OR GUY THE TREES ACCORDING TO THE DETAILS. IT IS THE SUBCONTRACTOR'S RESPONSIBILITY TO TAKE EVERY STEP NECESSARY TO MAINTAIN THE TREES AND SHRUBS IN AN UPRIGHT AND PLUMB CONDITION AT ALL TIMES UNTIL THE END OF THE PLANT GUARANTEE PERIOD ESPECIALLY
- TREE WRAPPING: WRAPPING MATERIAL SHALL BE QUALITY, HEAVY WATERPROOF CREPE PAPER MANUFACTURED FOR THIS PURPOSE. WRAP ALL DECIDUOUS TREES PLANTED IN THE FALL PRIOR TO 12-1 AND REMOVE ALL WRAPPING AFTER 5-1.
- 7. RODENT PROTECTION: PROVIDE ON ALL TREES, EXCEPT SPRUCE UNLESS OTHERWISE SPECIFIED.
- 8. PLANTING PLAN: ALL PROPOSED PLANTS SHALL BE LOCATED CAREFULLY AS SHOWN ON THE PLANS. PLAN TAKES PRECEDENCE OVER PLANT SCHEDULE IF DISCREPANCIES IN QUANTITIES EXIST. SPECIFICATIONS TAKE PRECEDENCE OVER NOTES. RESPECT STATED DIMENSIONS. DO NOT SCALE DRAWINGS.
- 9. EDGING SHALL BE 4" P.V.C. COMMERCIAL GRADE EDGING WITH THREE (3) METAL ANCHOR STAKES PER 20 FOOT SECTION. ALL MASS PLANTING BEDS SHALL HAVE EDGING PLACED BETWEEN MULCH AREA AND ANY ADJACENT TURF AREA.

ACCEPTANCE & WARRANTY NOTES

WHERE VANDALISM, SOIL OR WIND CONDITIONS ARE A PROBLEM.

- LANDSCAPE SUBCONTRACTOR SHALL WARRANTY NEW PLANT MATERIAL THROUGH TWO CALENDAR YEARS FROM THE TIME OF
- LANDSCAPE SUBCONTRACTOR SHALL BE RESPONSIBLE FOR ONGOING MAINTENANCE OF NEWLY PLANTED MATERIALS UNTIL THE
- LANDSCAPE SUBCONTRACTOR SHALL PREPARE AND SUBMIT A WRITTEN REQUEST FOR THE OWNER ACCEPTANCE INSPECTION OF THE LANDSCAPE AND SITE IMPROVEMENTS PRIOR TO SUBMITTING FINAL PAY REQUEST.
- LANDSCAPE SUBCONTRACTOR SHALL PREPARE AN AS BUILT DRAWING(S) OF LANDSCAPE INSTALLATION SITE IMPROVEMENTS UPON COMPLETION OF CONSTRUCTION INSTALLATION AND PRIOR TO PROJECT ACCEPTANCE.

- FINAL OWNER AND CITY ACCEPTANCE. NO PARTIAL ACCEPTANCE WILL BE CONSIDERED.
- TIME OF OWNER ACCEPTANCE. ACTS OF VANDALISM OR DAMAGE WHICH MAY OCCUR PRIOR TO OWNER ACCEPTANCE SHALL BE THE RESPONSIBILITY OF THE LANDSCAPE SUBCONTRACTOR.

- DOUBLE STRAND 14 GA. WIRE, 3' @ 120° INTERVALS (TYP.) NEVER CUT MAIN LEADER, IF MAIN LEADER IS DAMAGED, TRAINING ANCILLARY BRANCHING AS MAIN LEADER IS UNACCEPTABLE. - 16" POLYPROPYLENE OR POLYETHYLENE (40 MIL, 1-1/2" WIDE STRAP TYP.) 8'-0" STEEL STAKE - PULL MULCH BACK FROM ROOT COLLAR - FLAGGING - ONE PER WIRE - ROOTBALL TO SIT ON SUBGRADE - MULCH - 4" DEEP SHREDDED HARDWOOD (UNLESS NOTED OTHERWISE) PLANTING SOIL - SEE SPEC. ∕TOPSOIL -SUBGRADE ⁻ 2" X 2" X 24" WOOD STAKE SET AT ANGLE CONIFER TO HAVE SHREDDED HARDWOOD MULCH UNLESS NOTED OTHERWISE. NO MULCH TO BE IN CONTACT WITH TRUNK. SCARIFY BOTTOM AND SIDES OF HOLE PRIOR TO TWO ALTERNATE METHODS OF TREE STAKING ARE ILLUSTRATED. IT IS THE SUBCONTRACTOR'S OPTION TO STAKE TREES. HOWEVER, THE SUBCONTRACTOR IS

HAND LOOSEN ROOTS OF CONTAINERIZED MATERIAL (TYP.) AND SPACE PLANTS SCARIFY BOTTOM AND SIDES OF HOLE PRIOR TO PLANTING ACCORDING TO PLANS

CONIFEROUS TREE PLANTING DETAIL

SHRUBS TO SIT ON SUBGRADE PULL MULCH BACK FROM ROOT COLLAR MULCH - 4" DEEP SHREDDED HARDWOOD (UNLESS NOTED OTHERWISE) PLANTING SOIL - SEE SPEC SUBGRADE CENTERING OF SHRUB IN BED TO TAKE PRECEDENCE OVER DIMENSION FROM EDGE

RESPONSIBLE FOR MAINTAINING TREES IN A PLUMB POSITION THROUGHOUT THE GUARANTEE PERIOD

SHRUB PLANTING DETAIL

PLANTING NOTES

THE LANDSCAPE ARCHITECT MUST BE NOTIFIED.

TRAIL, SLAB, CURB, ETC.

ALL PLANTS TO BE INSTALLED AS PER PLANTING DETAILS.

DRAINAGE SWALES, THE SOD SHALL BE STAKED TO THE GROUND.

1. NO PLANTING TO BE INSTALLED UNTIL GRADING AND CONSTRUCTION HAS BEEN COMPLETED IN THE IMMEDIATE AREA.

2. ALL PLANT MATERIAL LOCATIONS MUST BE REVIEWED AND APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO ANY AND ALL

3. IF THE LANDSCAPE SUBCONTRACTOR PERCEIVES ANY DEFICIENCIES IN THE PLANT SELECTIONS, SOIL CONDITIONS, OR ANY

OTHER SITE CONDITION WHICH MIGHT NEGATIVELY AFFECT PLANT MATERIAL ESTABLISHMENT, SURVIVAL, OR GUARANTEE,

4. ADJUSTMENTS IN LOCATION OF PROPOSED PLANT MATERIALS MAY BE NEEDED IN FIELD. SHOULD AN ADJUSTMENT BE ADVISED,

6. ONE SHRUB PER TYPE AND SIZE IN EACH PLANTING BED AND EVERY TREE SHALL BE CLEARLY IDENTIFIED (COMMON OR LATIN

WHERE SOD/SEED ABUTS PAVED SURFACES, FINISHED GRADE OF SOD/SEED SHALL BE HELD 1" BELOW SURFACE ELEVATION OF

SOD SHALL BE LAID PARALLEL TO THE CONTOURS AND SHALL HAVE STAGGERED JOINTS. ON SLOPES STEEPER THAN 3:1 OR IN

NOMENCLATURE) WITH A PLASTIC TAG WHICH SHALL NOT BE REMOVED PRIOR TO OWNER ACCEPTANCE.

9. SEED ALL AREAS DISTURBED DUE TO GRADING OTHER THAN THOSE AREAS NOTED TO RECEIVE SOD.

10. REPAIR ALL DAMAGE TO PROPERTY FROM PLANTING OPERATIONS AT NO COST TO THE OWNER.

THEY SHALL BRING THESE DEFICIENCIES TO THE ATTENTION OF THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.

RYAN COMPANIES NATIVE SEED MIXES

Common Name	Scientific Name	Rate (lb/ac)	% of Mix (by Weight)	Seeds / S (Average)
	Grasses			
Liberty Switch Grass	Panicum virgatum	1.00	2.778%	8.93
Mandan Canada Rye	Elymus canadensis	2.00	5.556%	3.82
Virginia Wild Rye	Elymus virginicus	2.25	6.250%	3.47
Slender Wheat Grass	Elymus trachycaulus	2.25	6.250%	6.97
Fringed Brome	Bromus ciliatus	0.50	1.389%	1.84
Prairie Cordgrass	Spartina pectinata	1.00	2.778%	2.42
	Grasses Subtotal	9.00	25.000%	27.46
	Forbs			
Yarrow	Achillea millefolium	0.13	0.361%	8.50
Black-eyed Susan	Rudbeckia hirta	0.26	0.722%	8.79
Golden Alexander	Zizia aurea	0.14	0.389%	0.57
Blue Vervain	Verbena hastata	0.04	0.111%	1.37
Panicle Aster	Symphytrichum lanceolatum	0.03	0.083%	1.72
New England Aster	Symphyotrichum novae-angliae	0.04	0.111%	0.97
Common Ox-eye Sunflower	Heliopis helianthoides	0.54	1.500%	0.91
Wild Bergamot	Monarda fistulosa	0.16	0.444%	4.11
Purple Prairie Clover	Dalea purpurea	0.66	1.833%	3.64
	Forbs Subtotal	2.00	5.556%	30.57
	Cover Crop*			
Oats	Avena sativa	25.00	69.444%	7.35
	Cover Crop Subtotal	25.00	69.444%	7.35
	Basin Rim Seed Mix Total	36.00	100.000%	65.37

Common Name	Scientific Name	Rate (lb/ac)	% of Mix (by Weight)	Seeds / SF (Average)
	Grasses			
Liberty Switch Grass	Panicum virgatum	1.00	2.778%	8.93
Mandan Canada Rye	Elymus canadensis	2.00	5.556%	3.82
Virginia Wild Rye	Elymus virginicus	1.58	4.389%	2.44
Slender Wheat Grass	Elymus trachycaulus	1.70	4.722%	5.27
Fringed Brome	Bromus ciliatus	0.50	1.389%	1.84
Prairie Cordgrass	Spartina pectinata	0.80	2.222%	1.94
ndian Grass	Sorghastrum nutans	1.35	3.750%	6.32
Dark Green Bulrush	Scirpus atrovirens	0.05	0.139%	8.45
Woolgrass	Scirpus cyperinus	0.02	0.056%	12.49
	Grasses Subtotal	9.00	25.000%	36.30
	Forbs	J		
Yarrow	Achillea millefolium		0.417%	9.81
Black-eyed Susan	Rudbeckia hirta	0.25	0.694%	8.45
Golden Alexander	Zizia aurea	0.14	0.389%	0.57
Blue Vervain	Verbena hastata	0.15	0.417%	5.12
Panicle Aster	Symphytrichum lanceolatum	0.03	0.083%	1.72
New England Aster	Consideration and the second s		0.111%	0.97
Common Ox-eye Sunflower	Heliopis helianthoides	0.33	0.917%	0.56
Wild Bergamot	ld Bergamot Monarda fistulosa		0.389%	3.60
Purple Prairie Clover	over Dalea purpurea		1.250%	2.48
Swamp Milkweed	Asclepias incarnata	0.32	0.889%	0.56
141	Forbs Subtotal	2.00	5.556%	33.83
	Cover Crop*			
Oats	Avena sativa	25.00	69.444%	7.35
	Cover Crop Subtotal	25.00	69.444%	7.35
	Basin Rim Seed Mix Total	36.00	100.000%	77.48

Common Name	Scientific Name	Rate (lb/ac)	% of Mix (by Weight)	Seeds / SF (Average)
	Grasses			
Big Bluestem	Andropogon gerardii	1.50	3.488%	5.67
Prairie Brome	Bromus kalmii	0.20	0.465%	0.73
Side-oats Grama	de-oats Grama Bouteloua curtipendula		6.977%	6.61
Buffalograss - Bowie	Buchloe dactyloides	1.50	3.488%	1.98
Canada Wild Rye	Elymus canadensis	2.25	5.233%	4.30
Slender Wheat Grass	Elymus trachycaulus	2.80	6.512%	8.68
Liberty Switch Grass	Panicum virgatum	1.00	2.326%	8.93
Little Bluestem	Schizachyrium scoparium	2.00	4.651%	11.02
Indian Grass	Sorghastrum nutans	1.75	4.070%	7.71
	Grasses Subtotal	16.00	37.209%	55.64
	Forbs			
Yarrow	Achillea millefolium	0.08	0.186%	5.23
Black-eyed Susan	Rudbeckia hirta	0.15	0.349%	5.07
Purple Prairie Clover Dalea purpurea		0.40	0.930%	2.20
Wild Bergamot Monarda fistulosa		0.16	0.372%	4.11
Anise Hyssop Agastache foeniculum		0.02	0.047%	0.66
ommon Milkweed Asclepias syriaca		0.20	0.465%	0.29
Butterfly Weed			0.047%	0.03
White Prairie Clover	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		0.047%	0.14
Canada Tick Trefoil	nada Tick Trefoil Desmodium canadense		0.465%	0.40
iolden Alexander Zizia aurea		0.20	0.465%	0.81
Blue Vervain			0.047%	0.68
Culvers Root	Veronicastrum virginicum	0.02	0.047%	5.88
Mountain Mint	Pycnanthemum virginianum	0.01	0.023%	0.81
Long-Headed Cone Flower	Ratibida columnifera	0.16	0.372%	2.47
Smooth Blue Aster	Symphyotrichum laeve	0.04	0.093%	0.97
New England Aster	Symphyotrichum novae-angliae	0.04	0.093%	0.81
Maximillian's Sunflower	Helianthus maximiliani	0.10	0.233%	0.48
Common Ox-eye Sunflower	Heliopsis helianthoides	0.10	0.233%	0.17
Prairie Blazing Star	Liatris pycnostachya	0.02	0.047%	0.08
Yellow Cone Flower	Ratibida pinnata	0.02	0.047%	0.22
Stiff Goldenrod	Oligoneuron rigidum	0.02	0.047%	0.30
	Forbs Subtotal	2.00	4.651%	12.17
	Cover Crop*			
Oats	Avena sativa	25.00	58.140%	7.35
	Cover Crop Subtotal	Continue Continue	58.140%	7.35
	Basin Rim Seed Mix Total	43.00	100.000%	75.16

* Oats shall be used in all s	eeding periods except fall seeding, which shall use the	alternate listed belo	w.
	Cover Crop - Fall Seeding		
Winter Wheat	Triticum aestivum	25.00	6.89
	Cover Crop Subtotal	25.00	6.89

RYAN A+E, INC. 533 South Third Street, Suite 100 Minneapolis, MN 55415 612-492-4000 tel 612-492-3000 fax

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PRELIMINARY

BROOKINGS MARKETPLACE RETAIL

3031 6TH STREET BROOKINGS, SD

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 Landscape Architect under the laws of the State of South Dakota.

DAVID W. PATTEN

REGISTRATION NO.

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ISSUE RECORD					
ISSUE#	DATE	DESCRIPTION			
01	05/01/2023	CITY REVIEW			

CITY SUBMITTAL

LANDSCAPE **DETAILS**