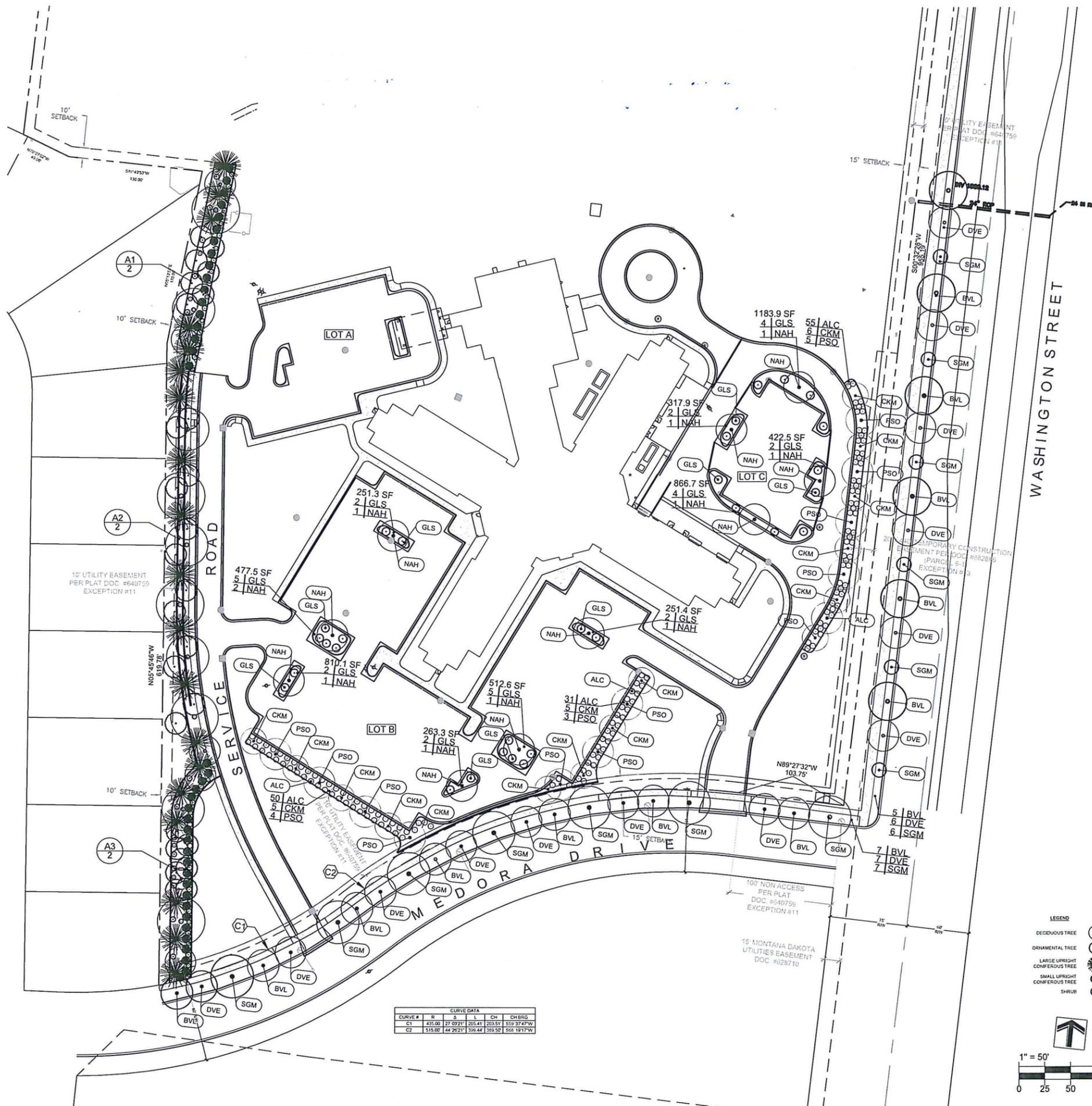


MISSOURI SLOPE LUTHERAN CARE CENTER
LOT 1, BLOCK 1 GOOD SHEPARD NORTH ADDN.
BISMARCK, ND



- GENERAL LANDSCAPING NOTES**
- ALL CONTRACTORS WISHING TO SUBMIT BIDS SHALL BE RESPONSIBLE FOR FIELD VERIFYING ALL CONDITIONS.
 - PROTECT THE IMPROVEMENTS ON SITE AND ON THE ADJOINING PROPERTIES. PROVIDE BARRICADES, COVERINGS OR OTHER TYPE OF PROTECTION AS NECESSARY TO PREVENT DAMAGE AND TO SAFEGUARD AGAINST INJURY TO EXISTING UTILITIES.
 - DAMAGE THAT OCCURS TO PLANTS DURING TRANSPORTATION AND INSTALLATION SHALL BE THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR.
 - ALL PLANTING BEDS SHALL BE INSTALLED WITH 3" OF 2" CRUSHED ROCK MULCH, LANDSCAPE FABRIC WITH A MINIMUM WEIGHT OF 4 OZ/YD, AND WHERE NECESSARY, 6" COMMERCIAL GRADE BLACK PLASTIC EDGING TO CONTAIN THE PLANTING BEDS.
 - ALL LANDSCAPE PLANTINGS ARE TO BE WATERED BY THE LANDSCAPE CONTRACTOR THE SAME DAY THAT THE PLANTING OCCURS. IF WATER IS NOT AVAILABLE AT THE BUILDING, THE LANDSCAPE CONTRACTOR SHALL PROVIDE ALTERNATIVE METHODS FOR WATERING.
 - SOLITARY TREES DO NOT NEED TO BE EDGED AROUND; HOWEVER ORGANIC WOOD MULCH SHALL BE PLACED AROUND THE TREE IN A MUTTLE RING THAT CONFORMS TO THE DETAIL PROVIDED FOR TREE PLANTINGS.
 - CONTRACTOR SHALL PROVIDE WRITTEN WARRANTIES CONFIRMING THE FOLLOWING: FURNISHED TREES GUARANTEED TO LIVE AND REMAIN STRONG, VIGOROUS AND HEALTHY CONDITION FOR 365 DAYS FROM THE DATE LANDSCAPE INSTALLATION IS ACCEPTED AND COMPLETED.
 - LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR WATERING AND CARING FOR ALL PLANT MATERIAL, AND OTHER LANDSCAPING IMPROVEMENTS UNTIL THE DATE OF FINAL INSPECTION AND APPROVAL.

- TOPSOIL NOTES**
- LANDSCAPE CONTRACTOR SHALL IMPORT AND PLACE TOPSOIL TO FINISH GRADE. ALL PORTIONS OF THE SITE NOT RECEIVING CONCRETE CURB AND GUTTER, OR OTHER IMPROVEMENTS SHALL BE COVERED WITH A MINIMUM OF 6" OF TOPSOIL AND SEED ACCORDING TO SPECIFICATIONS.
 - TOPSOIL SHALL BE PLACED AND SEED PLACED AS SOON AS PRACTICAL TO MINIMIZE WIND AND WATER EROSION. BACKFILL BEHIND CURB AND GUTTERS AND SIDEWALK AS REASONABLE TO PREVENT STANDING WATER AND PROTECT THE IMPROVEMENTS.
- SEEDING NOTES**
- SEEDING SHALL CONFORM TO THE MOST RECENT VERSION OF THE CITY OF BISMARCK CONSTRUCTION SPECIFICATIONS FOR MUNICIPAL PUBLIC WORKS IMPROVEMENTS FOR SEEDING EXCEPT WHERE MODIFIED HEREIN.
 - CLEAR AND GRUB SITE BEFORE SEEDING ENSURING THAT THE SITE IS A SMOOTH CONDITION WITH NO DEBRIS OR ROCKS LARGER THAN 2" IN DIAMETER.
 - FERTILIZE SOIL DURING THE SEEDING PROCESS USING AN APPROPRIATE APPLICATION PROCESS. FERTILIZER SHALL BE 10-10-10 AND APPLIED AT A RATE OF 4 LBS. PER 1000 SQUARE FEET.
 - SEED SHALL BE CLASSIFIED FOR SUNNY AREAS PER CITY OF BISMARCK SPECIFICATIONS AND SHALL BE SEED TO A DEPTH OF 1/4" TO 1/2" AND SHALL BE EVENLY SPREAD. AFTER SEED HAS BEEN SOWN, THE SOIL SHALL BE REPAKED IMMEDIATELY AFTER THE SEED IS APPLIED TO FIRM THE SOIL AROUND THE SEED. NO SEED SHALL BE PLACED ON DAYS WHERE THE WIND IS STRONG ENOUGH TO PREVENT IT FROM BEING PROPERLY EMBEDDED INTO THE SOIL.
 - SEED MUST SHOW A DENSITY OF 20 TO 30 SEEDLINGS PER SQUARE FOOT BEFORE ACCEPTANCE WILL OCCUR. THE CONTRACTOR SHALL FURNISH AND REPLACE WITHOUT ADDITIONAL COMPENSATION ANY SEED FOR AREAS THAT HAVE NOT GERMINATED, HAVE DIED, OR ARE DAMAGED TO THE EXTENT THAT REPLACEMENT IS REQUIRED TO CONFORM TO THE REQUIREMENTS OUTLINED ABOVE. THE CONTRACT WARRANTY PERIOD SHALL ALSO APPLY TO THIS ITEM.
 - CONTRACTOR SHALL BE RESPONSIBLE TO REPAIR ANY EROSION SCARS OR WASHOUTS UNTIL THE DATE THAT FINAL SEED STAND IS ACCEPTED.
 - ALL PORTIONS OF THE SITE THAT ARE TO BE SEED SHALL BE HYDRO-MULCHED. HYDRO-MULCH SHALL BE A WOOD CELLULOSE FIBER MULCH. MULCH SHALL BE FREE OF GERMINATION OR GROWTH INHIBITIVE SUBSTANCES, AS WELL AS ANY NONBIODegradable SEED. MULCH SHALL BE TREATED WITH A TACK AND FIBER DYNAMICS SEED AND MULCH ADHESIVE AND ADHERENCE TO THE SOIL. THE HYDRO-MULCH SHALL BE APPLIED AT A RATE OF 2000 LBS/ACRE USING HYDRAULIC SPRAY EQUIPMENT.

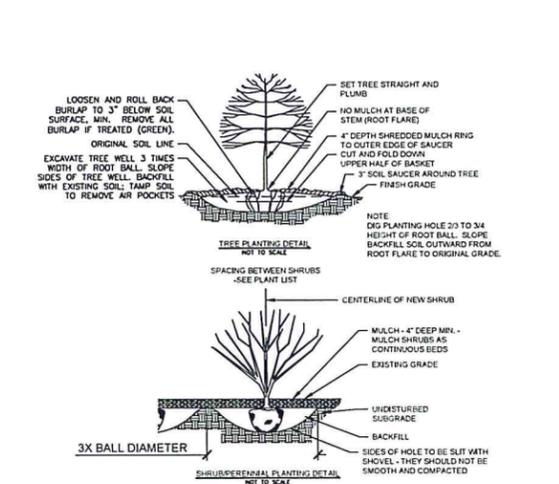
- LANDSCAPING REQUIREMENTS PER CITY OF BISMARCK ORDINANCE**
- STREET TREES**
- THREE (3) DECIDUOUS TREES ARE REQUIRED FOR EVERY ONE HUNDRED (100) LINEAR FEET OF STREET FRONTAGE.
- | | |
|-------------------------------|--------------------|
| REQUIRED: 35 TREES | PROVIDED: 35 TREES |
| N WASHINGTON ST (700 LF) = 18 | 18 |
| MEDORA AVE (600 LF) = 21 | 21 |
- PERIMETER PARKING LOT LANDSCAPING**
- A MINIMUM LANDSCAPE WIDTH OF 6 FEET WITH 1 SHADE OR ORNAMENTAL TREE AND 5 SHRUBS FOR EVERY 25 LINEAR FEET OF STREET FRONTAGE.
- | | |
|--------------------------------|--------------------------------|
| REQUIRED: 26 TREES, 136 SHRUBS | PROVIDED: 26 TREES, 136 SHRUBS |
| LOT B = 18 TREES, 91 SHRUBS | LOT B = 18 TREES, 91 SHRUBS |
| LOT C = 10 TREES, 55 SHRUBS | LOT C = 10 TREES, 55 SHRUBS |
- INTERIOR PARKING LOT LANDSCAPING**
- ALL PARKING LOTS WITH 50 OR MORE PARKING SPACES SHALL PROVIDE INTERIOR LANDSCAPE AREAS. LANDSCAPE AREAS SHALL BE PROVIDED AT THE RATE OF 10 SQUARE FEET PER PARKING SPACE WITH 50% BEING 600 SF OR MORE THERE SHALL BE 1 SHADE TREE AND 3 SHRUBS SHALL BE PROVIDED FOR EVERY 20 PARKING SPACES.
- | | |
|--|---|
| REQUIRED: 2000 SF, 10 TREES, 30 SHRUBS | PROVIDED: 5337 SF (4 x 600 SF), 10 TREES, 30 SHRUBS |
| LOT A = 41 SPACES = EXEMPT | 2569 SF, 2-600 SF, 10 TREES, 18 SHRUBS |
| LOT B = 200 SPACES = 2000 SF | 2791 SF, 2-600 SF, 4 TREES, 15 SHRUBS |
| LOT C = 35 SPACES = EXEMPT | |
- * THE FORESTRY DEPARTMENT SUGGESTED MOVING SOME OF THE REQUIRED FROM LOT B TO OTHER LOT ISLANDS WITH NO PLANT MATERIAL ON THEM.

- RESIDENTIAL BUFFER**
- A MINIMUM LANDSCAPE WIDTH OF 15 FEET WITH 3 SHADE TREES, 4 ORNAMENTAL TREES, 2 LARGE UPRIGHT CONIFEROUS TREES, 10 SMALL UPRIGHT CONIFEROUS TREES AND SHRUBS, OR WIDTH OF 15 FEET WITH 2 SHADE TREES AND 2 ORNAMENTAL TREES AND 3 LARGE CONIFEROUS UPRIGHT TREES FOR EVERY 50 LF.
- NORTH BUFFER BED NO FENCE = 158 LF**
- | | |
|--|--|
| 3 SHADE, 5 ORNAMENTAL, 3 LG UPRIGHT CONIFEROUS, 17 SMALL UPRIGHT CONIFEROUS, 24 SHRUBS | 3 SHADE, 3 ORNAMENTAL, 3 LG UPRIGHT CONIFEROUS, 17 SMALL UPRIGHT CONIFEROUS, 24 SHRUBS |
|--|--|
- RETAINING WALL BED = 405 LF**
- | | |
|--|--|
| 8 SHADE, 12 ORNAMENTAL, 8 LARGE UPRIGHT CONIFEROUS TREES | 8 DUSFR, 12 ORNAMENTAL, 8 LARGE UPRIGHT CONIFEROUS TREES |
|--|--|
- SOUTH BUFFER BED NO FENCE = 216 LF**
- | | |
|--|--|
| 4 SHADE, 9 ORNAMENTAL, 6 LARGE UPRIGHT CONIFEROUS, 22 SMALL UPRIGHT CONIFEROUS TREES AND 30 SHRUBS | 4 SHADE, 9 ORNAMENTAL, 6 LARGE UPRIGHT CONIFEROUS, 22 SMALL UPRIGHT CONIFEROUS TREES AND 30 SHRUBS |
|--|--|

LANDSCAPE KEY NOTES

- INSTALL CONCRETE LANDSCAPE EDGING
- INSTALL 18" DEPTH IMPORTED TOPSOIL IN PLANTING BED. INSTALL IN 6" LIFTS. INSTALL 2" DEPTH OF 3/4" CRUSHED LANDSCAPE ROCK OVER 4 OZ. NON-WOVEN GEOTEXTILE FABRIC.

STREET	TREES	SHRUBS	BUCKET	COMMON NAME	SCIENTIFIC NAME	SIZE	QTY.	
STREET TREES	BVL			BOULEVARD LINDEN	TILIA AMERICANA BOULEVARD	1.5" CAL B&B	7	
	CSO			CRIMSON SPRUCE OAK	QUERCUS ROBUR 'CRIMSONHILT'	1.5" CAL B&B	6	
	HVL			HARVEST GOLD LINDEN	TILIA MONGOLICA 'HARVEST GOLD'	1.5" CAL B&B	6	
	PHA			PRAIRIE HORIZON ALDER	ALNUS HIRSUTA 'HARBIN'	1.5" CAL B&B	6	
	DVE			DISCOVERY ELM	ULMUS DAVIENNA 'DISCOVERY'	1.5" CAL B&B	7	
	SGM			SEVEN GLEN MAPLE	ACER X FREEMANII 'SEVEN'	1.5" CAL B&B	7	
	CHB			COMMON HACKBERRY	CELTIS OCCIDENTALIS	1.5" CAL B&B	6	
	HVL			HARVEST GOLD LINDEN	TILIA MONGOLICA 'HARVEST GOLD'	1.5" CAL B&B	6	
	SGM			SEVEN GLEN MAPLE	ACER X FREEMANII 'SEVEN'	1.5" CAL B&B	4	
	SSC			SPRING SNOW GRAB	MALUS 'SPRING SNOW'	1.5" CAL B&B	26	
BUCKET	BHS			BLUE HILLS SPRUCE	PICEA GLAUCO VAR. DENSI	1.5" CAL B&B	19	
	SPJ			STAR POINT JUNIPER	JUNIPERUS CHINENSIS 'BLUE POINT'	1.5" CAL B&B	40	
	AND			ARCTIC FIRE DOGWOOD	CORNUS STOLONIFERA 'FIREHAWK'	2 GAL.	22	
	LSH			LITTLE LIME HYDRANGEA	HYDRANGEA PANICULATA 'JANE' 'PPAF'	2 GAL.	13	
	SLB			SEMI ASH LEAF SPREA	SCORBARIA SCORIBOGILA 'SEM'	2 GAL.	19	
	CKM			CRIMSON KING MAPLE	ACER PLATANOIDES 'CRIMSON KING'	1.5" CAL B&B	14	
	PSO			PRAIRIE STATUE OAK	QUERCUS X BIMUNDORUM 'MIDWEST'	1.5" CAL B&B	12	
	SRUB			ALPINE CURRANT	RIBES ALPNUM	2 GAL.	2	
	TREE			NAH	NORTHERN ACCLAIMED HONEYLOCUST	GLEDITSIA TRACANTHOS VAR. INERMIS 'NAIVE'	1.5" CAL B&B	10
	SRUB			GLS	GRO-LOW SUMAC	RHUS AROMATICA 'GRO-LOW'	2 GAL.	79



REVISIONS

DATE	BY
5/13/2019	TC
5/30/2019	TC

PROJECT NO
1908

DRAWN BY
TC

DATE
5/13/2019

REVIEWED BY
BR

SHEET TITLE
LANDSCAPE PLAN
NO FENCE OPTION

MISSOURI SLOPE LUTHERAN CARE CENTER
 LOT 1, BLOCK 1 GOOD SHEPARD NORTH ADDN.
 BISMARCK, ND

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SHEET 2 OF 2

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