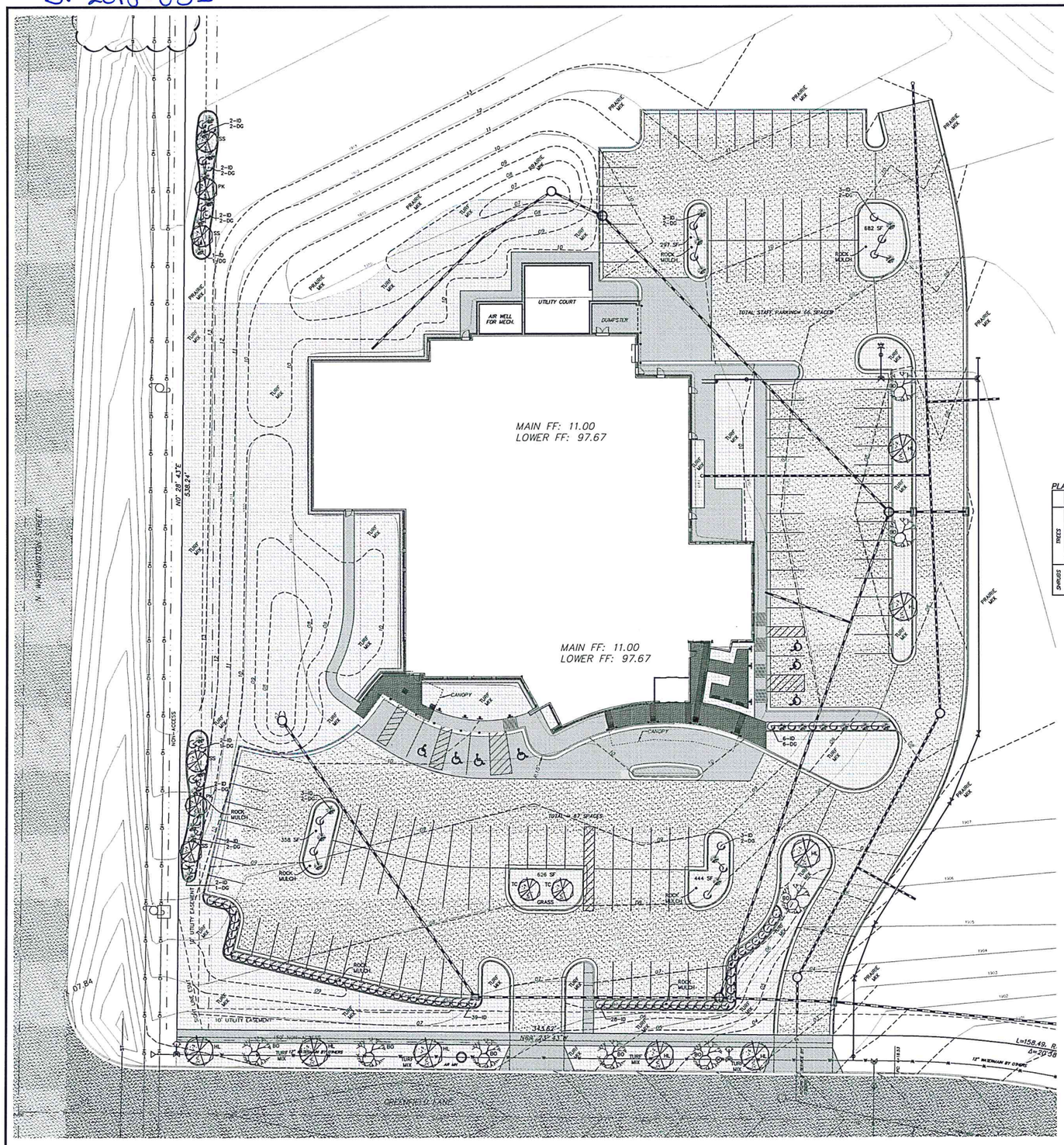
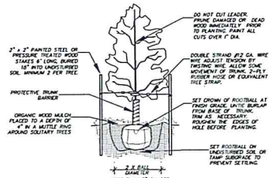
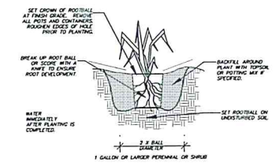
SP 2018-033





TREE PLANTING DETAIL

TYPICAL FOR ALL DECIDUOUS, SINGLE-TRUNK, TREES — NTS



SHRUB/PERENNIAL PLANTING DETAIL

TYPICAL FOR ALL SHRUBS AND PERENNIALS — NTS

PLANT PALETTE

	SYM.	COMMON NAME	SCIENTIFIC NAME	SIZE	QNTY.
TREES	HL	HONEYLOCUST	Gleditsia triacanthos	2" Cal.	8
	BO	BUR OAK	Quercus macrocarpa	1-1/2" Cal.	8
	PK	PRINCESS KAY PLUM	Prunus nigra 'Princess Kay'	1-1/2" Cal.	2
	SS	SPRING SNOW CRABAPPLE	Malus 'Spring Snow'	1-1/2" Cal.	4
	TC	THUNDERCHILD CRABAPPLE	Malus 'Thunderchild'	1-1/2" Cal.	2
SHRUBS	ID	ISANTI DOGWOOD	Cornus sericea 'Isanti'	2 Gallon	100
	DG	DWARF GLOBE BLUE SPRUCE	Picea pungens 'Glauca Globosa'	2 Gallon	27

GENERAL LANDSCAPING NOTES FOR ALL SHEETS

1. ALL CONTRACTORS WISHING TO SUBMIT BIDS FOR THIS LANDSCAPING PROJECT SHALL BE RESPONSIBLE FOR FIELD VERIFYING ALL CONDITIONS.
2. 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.
3. DAMAGE THAT OCCURS TO PLANTS DURING TRANSPORTATION AND INSTALLATION WILL BE THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR.
4. ALL PLANTING BEDS SHALL BE INSTALLED WITH 3" OF 2" CRUSHED ROCK MULCH, LANDSCAPE FABRIC WITH A MINIMUM WEIGHT OF 4 OZ./SY, AND WHEREVER NECESSARY, 6" POURED IN PLACE DECORATIVE CONCRETE EDGING TO CONTAIN THE PLANTING BED.
5. 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.
6. 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.
7. CONTRACTOR SHALL PROVIDE WRITTEN WARRANTIES CONFIRMING THE FOLLOWING:

   FURNISHED TREES GUARANTEED TO LIVE AND REMAIN STRONG, VIGOROUS, AND HEALTHY CONDITION FOR 365 DAYS MINIMUM FROM DATE LANDSCAPE INSTALLATION IS ACCEPTED AS COMPLETED.
8. 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

SEE SHEET C6.1

SEEDING NOTES

1. CLEAR AND GRUB SITE BEFORE SEEDING ENSURING THAT THE SITE IS IN A SMOOTH CONDITION WITH NO DEBRIS OR ROCKS LARGER THAN 2" IN DIAMETER.
2. 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.
3. THE "TURF MIX" SHALL BE USED AS DEPICTED ON PLANS AND IS WITHIN IRRIGATED AREAS. THE "PRAIRIE MIX" SHALL BE USED AS DEPICTED ON PLANS AND IS OUTSIDE IRRIGATED AREAS.
4. "TURF MIX" SHALL BE TOWN LAWN MIX AS DISTRIBUTED BY CHESAK SEED HOUSE OR APPROVED EQUAL. 60% KENTUCKY BLUEGRASS, 20% CREEPING RED FESCUE, AND 20% PERENNIAL RYEGRASS. SEED SHALL BE INSTALLED AT A RATE OF 225 LBS./ACRE
5. "PRAIRIE MIX" SHALL BE COUNTRY LAWN MIX AS DISTRIBUTED BY CHESAK SEED HOUSE OR APPROVED EQUAL. 50% FAIRWAY CRESTED WHEATGRASS, 30% SHEEP FESCUE, AND 20% PERENNIAL RYEGRASS. SEED SHALL BE INSTALLED AT A RATE OF 225 LBS./ACRE.
6. SEED SHALL BE DRILL SEEDED TO A DEPTH OF 1/4" TO 1/2" AND SHALL BE EVENLY SPREAD. AFTER SEED HAS BEEN SOWN, THE SOIL SHALL BE REPACKED 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 IMBEDDED INTO THE SOIL.
7. ALL PORTIONS OF THE SITE THAT ARE TO BE SEEDED WITH TURF MIX OR PRAIRIE MIX SHALL BE HYDROMULCHED. HYDROMULCH SHALL BE A WOOD CELLULOSE FIBER MULCH. MULCH SHALL BE FREE OF GERMINATION OR GROWTH INHIBITIVE SUBSTANCES, AS WELL AS ANY NOXIOUS WEED SEED. MULCH SHALL BE TREATED WITH A TACK AND FIBER TO ENHANCE SEED AND MULCH PLACEMENT AND ADHERENCE TO THE SOIL. THE HYDROMULCH SHALL BE APPLIED AT A RATE OF 2000 LBS/ACRE USING HYDRAULIC SPRAY EQUIPMENT.
8. 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 THEREFORE, 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.
9. CONTRACTOR SHALL BE RESPONSIBLE TO REPAIR ANY EROSION SCARS OR WASHOUTS UNTIL THE DATE THAT FINAL SEED STAND IS ACCEPTED. SEE EROSION CONTROL PLAN FOR EROSION CONTROL METHODS.

IRRIGATION PERFORMANCE SPECIFICATION

1. CONTRACTOR SHALL DESIGN AND PROVIDE A PRICE FOR AN IRRIGATION SYSTEM ON THIS SITE FOR DEPICTED AREAS AND ALL LANDSCAPE ISLANDS.
2. SYSTEM SHALL BE DESIGNED FOR 100% HEAD TO HEAD COVERAGE PROVIDING AT LEAST 1" OF MOISTURE PER WEEK. OVERSPRAY SHALL BE MINIMIZED ONTO PAVEMENT, SIDEWALKS, AND BUILDINGS. QUICK COUPLERS SHALL BE PROVIDED FOR WINTERIZATION.
3. IRRIGATION CONTRACTOR SHALL MAKE ANY FIELD ADJUSTMENTS NECESSARY TO INSURE THAT THE COVERAGE IS HEAD TO HEAD. ALL CHANGES MUST BE DOCUMENTED. UPON COMPLETION OF THE JOB AN AS BUILT DRAWING INCLUDING PIPE SIZES, VALVE LOCATIONS AND HEAD LOCATIONS MUST BE GIVEN TO THE OWNER OR OWNERS REPRESENTATIVE.
4. IRRIGATION CONTRACTOR SHALL FOLLOW ALL RECOMMENDED PRACTICES AS SET FORTH BY THE MANUFACTURER'S SPECIFICATIONS AND THE IRRIGATION ASSOCIATION.
5. IRRIGATION CONTRACTOR SHALL INCLUDE THE FIRST YEARS WINTERIZATION IN THE COST OF THE PROJECT.

IRRIGATION CONDUITS

1. CONTRACTOR SHALL INSTALL IRRIGATION CONDUITS TWO FEET BELOW FINISH GRADE ACROSS PAVED AREAS TO ISLANDS AND ACROSS DRIVEWAYS. CONDUITS SHALL BE TWICE THE SIZE OF THE LINE BEING INSTALLED. CONTRACTOR SHALL PROVIDE ASBUILT DRAWINGS OF CONDUITS WITH MINIMUM TWO DIMENSIONS TO KNOWN SURFACE FEATURES.

LEGEND

IRRIGATION LIMITS

LANDSCAPING REQUIREMENTS

REQUIRED NORTH INTERIOR LANDSCAPING: 660 SF 10 SHRUBS 4 SHADE TREES	PROVIDED INTERIOR LANDSCAPING: 979 SF 10 SHRUBS 4 SHADE TREES
REQUIRED SOUTH INTERIOR LANDSCAPING: 670 SF 10 SHRUBS 4 SHADE TREES	PROVIDED INTERIOR LANDSCAPING: 1428 SF 10 SHRUBS 4 SHADE TREES
REQUIRED STREET TREES: GREENFIELD LANE 3 PER 100 FEET = 10 TREES	PROVIDED STREET TREES: 10 TREES
REQUIRED PERIMETER PARKING: WASHINGTON STREET SOUTH PARKING LOT 3 TREES AND 15 SHRUBS	PROVIDED PERIMETER PARKING: 3 TREES AND 15 SHRUBS
REQUIRED PERIMETER PARKING: WASHINGTON STREET NORTH PARKING LOT 3 TREES AND 12 SHRUBS	PROVIDED PERIMETER PARKING: 3 TREES AND 12 SHRUBS
GREENFIELD LANE CONTINUOUS HEDGE	CONTINUOUS HEDGE

APPROVED BY FORESTRY

LANDSCAPING 6-7-18

TITLE DATE

APPROVED BY PLANNING

PLANNER 6-7-18

TITLE DATE

N

SCALE - 1" = 20'

NGVD 29 DATUM

MAY 11, 2018

FOR REGULATORY REVIEW ONLY - NOT FOR CONSTRUCTION

WARRANTY / DISCLAIMER

The designs represented in these plans are in accordance with generally accepted construction practice. However, neither Swenson, Hagen & Co. nor its personnel can or do warrant these plans as constructed except in the specific cases where Swenson, Hagen & Co personnel inspect and control the physical construction on a full time basis.

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In accordance with generally accepted construction practice and in compliance with all applicable laws, we advise that conditions of the job site, including safety of all persons and property during performance of the work, this requirement will apply continuously and not be limited to normal business hours.

NOTICE TO CONTRACTOR

The location of existing underground utilities are shown in an approximate way and are not to be relied upon as being exact or complete. The Contractor shall determine the exact location of all existing utilities before commencing work, and agrees to be fully responsible for any and all damages which might be occasioned by the Contractor's failure to exactly locate and preserve any and all underground utilities.

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NORTH DAKOTA
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1-800-795-0555

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REVISIONS	DATE

LANDSCAPE PLAN

LOT 1 BLOCK 2 DAYBREAK MEDICAL ADDITION

SWENSON, HAGEN & COMPANY P.C.
Surveying
Planning
Land Planning
Civil Engineering
Landscape Design
Construction Management
1900 Burnt Avenue
Bismarck, North Dakota 58501
Phone: (701) 223-2699
Fax: (701) 223-2616

DRAWN BY: CK
CHECK BY: LKR
DATE: 05-11-2018
PROJ #:
COMPUTER FILE:
P:\BISMARCK\DAYBREAK MEDICAL\ASC SITE PLAN.dwg

SHEET C6.0