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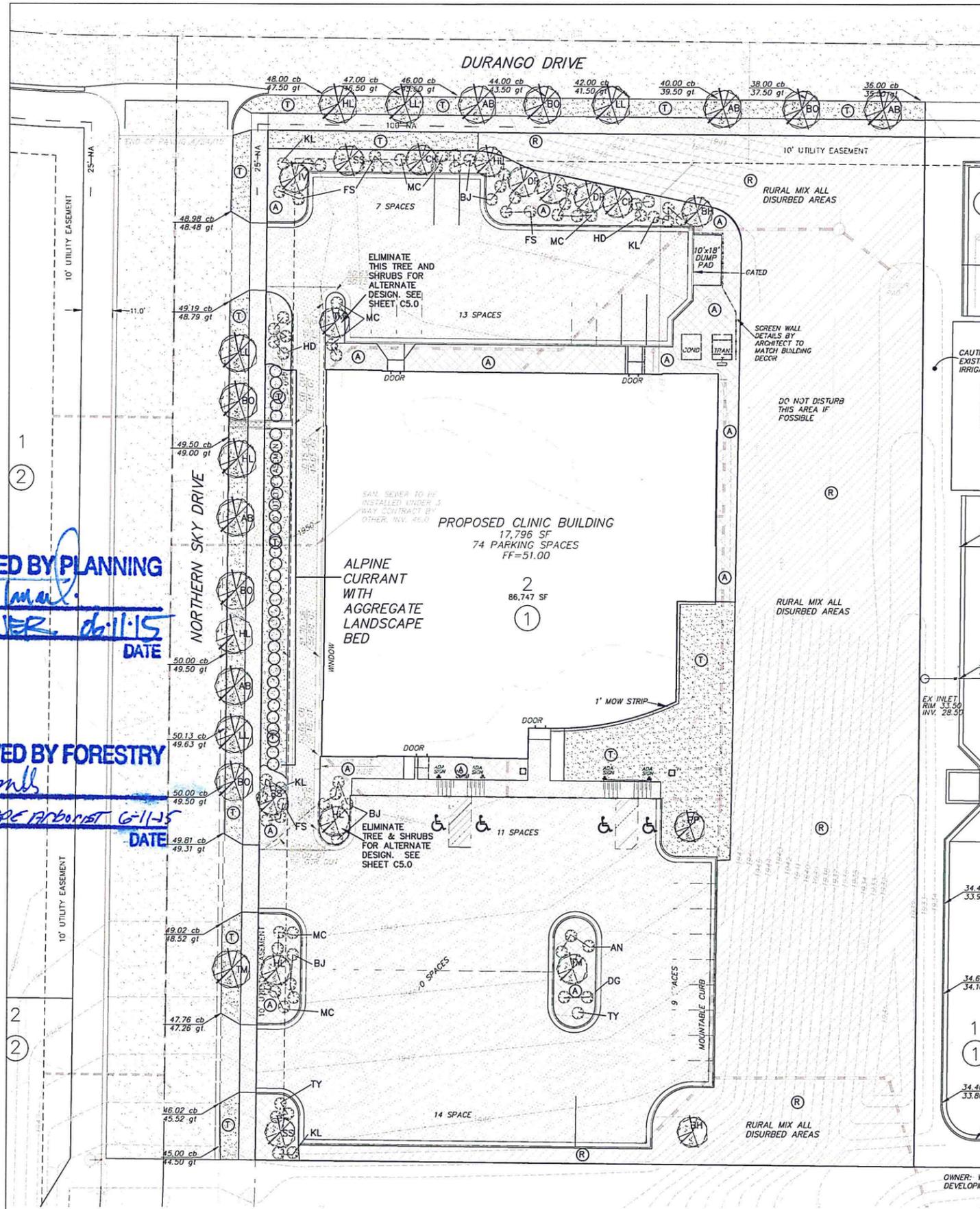
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2015-1
Drawn By: DMB
Checked By: LMR
Mark: Construction
Date: April 7, 2015
Revised:

Project
Horizon Clinic
Durango Drive & Northern Sky Drive
Bismarck, North Dakota

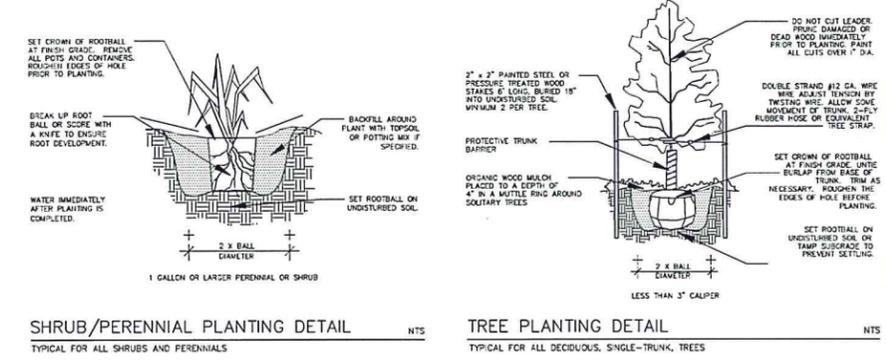
LANDSCAPE PLAN

Sheet Number
C4.0



APPROVED BY PLANNING
[Signature]
PLANNER: [Signature]
TITLE: [Signature]
DATE: 6-11-15

APPROVED BY FORESTRY
[Signature]
LANDSCAPE ARCHITECT: [Signature]
TITLE: [Signature]
DATE: 6-11-15



SEEDING NOTES
CLEAR AND GRUB SITE BEFORE SEEDING TO ENSURE THAT THE SITE IS IN A SMOOTH CONDITION WITH NO DEBRIS OR ROCKS LARGER THAN 2" IN DIAMETER. KILL WEEDS BEFORE SEEDING.

LANDSCAPING NOTES
L1 CONTRACTOR SHALL PROVIDE AND MAINTAIN ALL NECESSARY SAFEGUARDS WHENEVER NECESSARY SUCH AS WARNING SIGNS, BARRICADES & NIGHT LIGHTS AT HIS OWN EXPENSE.

IRRIGATED AREA SEED MIX - SEED SHALL BE APPLIED AT 5 LBS/100 SY. SEED VARIETY SHALL BE 85% "PARK" KENTUCKY BLUE GRASS AND 15% "ARCTARED" CREEPING RED FESCUE OR "DURAR" HARD FESCUE OR APPROVED EQUAL. PERCENT LIVE SEED SHALL BE 85% FOR BOTH VARIETIES. IF SEED WITH THE SPECIFIED PERCENTAGE OF PURE LIVE SEED CANNOT BE OBTAINED, ADDITIONAL SEED MAY BE USED TO BRING THE AMOUNT OF LIVE SEED UP TO THE AMOUNT SPECIFIED. ALL SEED AND SEEDING MIXTURES SHALL BE FREE OF ALL PROHIBITED NOXIOUS WEED SEED AND SHALL NOT CONTAIN MORE THAN 0.5% BY WEIGHT OF RESTRICTED NOXIOUS SEEDS. PROHIBITED AND RESTRICTED NOXIOUS WEEDS SHALL BE THOSE CLASSIFIED BY THE STATE SEED DEPARTMENT. SEED WHICH HAS BECOME WET, MOLDY, OR OTHERWISE DAMAGED IN TRANSIT OR IN STORAGE WILL NOT BE ACCEPTABLE.

L2 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.
L3 DAMAGE THAT OCCURS TO PLANTS DURING TRANSPORTATION AND INSTALLATION WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
L4 PLANT MATERIAL MAY BE SUBSTITUTED BY THE CONTRACTOR AFTER APPROVAL FROM THE BUILDING OWNERS. ALL PLANT MATERIAL MUST FOLLOW THE SIZING REQUIREMENTS PROVIDED IN THE PLANT PALETTE, MUST BE HARDY TO ZONE 3, AND MUST BE IN GOOD HEALTH AND APPEARANCE. IF SIGNIFICANT CHANGES OCCUR TO THE LANDSCAPING PLAN AS IT IS CURRENTLY DEPICTED, IT MAY BE NECESSARY TO DOCUMENT AND SUBMIT THOSE CHANGES TO THE BISMARCK FORESTRY DEPARTMENT.

"RURAL" GRASS SEED MIX
NATIVE PRAIRIE MIX CONSISTING OF BIG BLUESTEM 10%, INDIAN GRASS 8%, GREEN NEEDLE GRASS 7%, CANADA WILDOY 8%, LITTLE BLUESTEM 30%, WESTERN WHEATGRASS 5%, SIDEOATS GRAMA 16%, BLUE GRAMA 10%, SLENDER WHEATGRASS 5%, SAND DROPSIDE 1%. THIS SEED SHALL BE INSTALLED AT A RATE OF 25 LBS/ACRE.

L5 ALL LANDSCAPE PLANTINGS ARE TO BE WATERED BY THE LANDSCAPE CONTRACTOR THE SAME DAY THAT THE PLANTING OCCURS.
L6 ALL PLANTING BEDS WILL BE INSTALLED WITH -3/4" CRUSHED ROCK MULCH TO A DEPTH OF 4 INCHES, 6" COMMERCIAL GRADE LANDSCAPE EDGING, AND LANDSCAPE FABRIC MANUFACTURED SPECIFICALLY FOR PLANTING BED UNDERLAYMENT.
L7 ORGANIC WOOD MULCH SHALL BE PLACED IN A MUTTLE RING AROUND ALL SOLITARY TREES THAT CONFORMS TO THE DETAIL PROVIDED FOR TREE PLANTINGS.
L8 TREES PLANTED IN DESIGNATED PLANTING BEDS SHALL BE INSTALLED WITH ROCK MULCH MATCHING THE ROCK WITHIN THE PLANTING BED.
L9 CONTRACTOR SHALL PROVIDE WRITTEN WARRANTIES CONFIRMING THE FOLLOWING:
A. FURNISHED SHRUBS GUARANTEED TO LIVE AND REMAIN STRONG, VIGOROUS, AND HEALTHY CONDITION FOR 90 DAYS MINIMUM FORM DATE LANDSCAPE INSTALLATION IS ACCEPTED AS COMPLETED.
B. TREES GUARANTEED TO LIVE AND REMAIN IN STRONG, VIGOROUS, AND HEALTHY CONDITION FOR ONE YEAR FROM DATE LANDSCAPE INSTALLATION IS ACCEPTED AS COMPLETE.

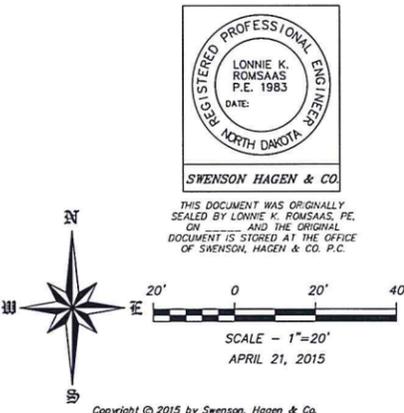
FERTILIZE SOIL DURING THE SEEDING PROCESS USING AN APPROPRIATE APPLICATION PROCESS. FERTILIZER SHALL BE 10-10-10 AND APPLIED AT A RATE OF 4 LBS. PER 1000 SQUARE FEET.
SEED SHALL BE DRILL SEEDING TO A DEPTH OF 1/4" TO 1/2" AND SHALL BE EVENLY SPREAD. AFTER SEED HAS BEEN SOWN, THE SOIL SHALL BE REPACKED 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.

L10 ALL SEEDING AREAS SHALL BE HYDROMULCHED WITH MANUFACTURED MULCH. MULCH TO BE USED SHALL CONSIST OF A WOOD CELLULOSE FIBER THAT HAS NOT BEEN TREATED WITH ANY GERMINATION OR GROWTH INHIBITIVE SUBSTANCES. THE MULCH SHALL BE TREATED WITH A TACK AND FIBER TO ENHANCE SEED AND MULCH PLACEMENT AND ADHERENCE TO THE SOIL. THE MULCH SHALL BE FREE OF CONTAMINATION FROM NOXIOUS WEED SEED AND SEED FROM COMPETITIVE PLANTS.
WOOD CELLULOSE FIBER APPLICATION RATE SHALL BE GREATER THAN 1500 TO 2000 LBS/ACRE. SEEDING/MULCHING SHALL OCCUR OVER ALL PORTIONS OF THE SITE WITHIN THE LOT LINES THAT ARE NOT TO RECEIVE CONCRETE, PLANTING BEDS, BUILDING, OR OTHER SITE IMPROVEMENT.

THE SEEDING CONTRACTOR SHALL WATER THE NEWLY SEEDING/MULCHED AREAS ON THE SAME DAY THAT SEEDING/MULCHING OCCURS. IF AN IRRIGATION SYSTEM IS PRESENT AND FUNCTIONING, THE SEEDING CONTRACTOR SHALL ENERGIZE THIS SYSTEM AND ENSURE THAT A WATERING SCHEDULE HAS BEEN ESTABLISHED BEFORE LEAVING THE SITE.

LEGEND
R RURAL MIX
T TURF - IRRIGATED AREA SEED MIX
A AGGREGATE LANDSCAPE BEDS

SYM.	COMMON NAME	SCIENTIFIC NAME	SIZE	QNTY.
AB	AUTUMN BLAZE MAPLE	<i>Acer x freemanii 'Jeffersred'</i>	1 1/2" Cal.	5
TM	TATARIAN MAPLE	<i>Acer tataricum</i>	1 1/2" Cal.	3
BO	BUR OAK	<i>Quercus macrocarpa</i>	1 1/2" Cal.	5
HL	HONEY LOCUST	<i>Gleditsia triacanthos</i>	1 1/2" Cal.	6
LL	LITTLE LEAF LINDEN	<i>Tilia cordata</i>	1 1/2" Cal.	4
PP	PONDEROSA PINE	<i>Pinus ponderosa</i>	1 1/2" Cal.	1
DP	DAKOTA PINNACLE BIRCH	<i>Betula platyphylla 'Fargo'</i>	1 1/2" Cal.	2
CK	CRIMSON KING MAPLE	<i>Acer platanoides</i>	1 1/2" Cal.	2
SS	SPRING SNOW CRABAPPLE	<i>Malus 'Spring Snow'</i>	1 1/2" Cal.	4
TL	IVORY SILK TREE LILAC	<i>Syringa reticulata 'Ivory Silk'</i>	1 1/2" Cal.	1
BH	BLACK HILL SPRUCE	<i>Picea glauca</i>	4"+	2
BJ	BLUESTAR JUNIPER	<i>Juniperus squamata 'Bluestar'</i>	2 Gallon	14
HD	DWARF BUSH HONEYSUCKLE	<i>Diervilla lonicera</i>	2 Gallon	8
DG	DWARF GLOBE BLUE SPRUCE	<i>Picea pungens 'Glauca Globosa'</i>	2 Gallon	2
FS	FRITSCH CARPET	<i>Spiraea fritschiana</i>	2 Gallon	11
MC	MAGIC CARPET SPIREA	<i>Spiraea japonica 'Magic Carpet'</i>	2 Gallon	17
TY	TAUNTON SPREADING YEW	<i>Taxus x media 'Tauntonii'</i>	2 Gallon	4
KF	KARL FOERSTER GRASS	<i>Calamagrostis x acutiflora</i>	1 Gallon	12
AN	ADAM'S NEEDLE	<i>yucca filamentosa</i>	1 Gallon	3



IF DRIVE UP LANE IS INSTALLED, ADD ALPINE CURRANT HEDGE WITH LANDSCAPE ROCK (DELETE GRASS). SEE NOTE L6 OF LANDSCAPE NOTES FOR LANDSCAPE BEDS.

SYM.	COMMON NAME	SCIENTIFIC NAME	SIZE	QNTY.
AC	ALPINE CURRANT	<i>ribes alpinum</i>	2 Gal	34

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