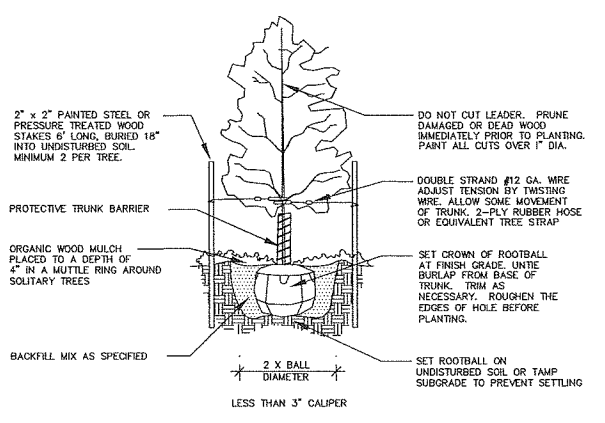
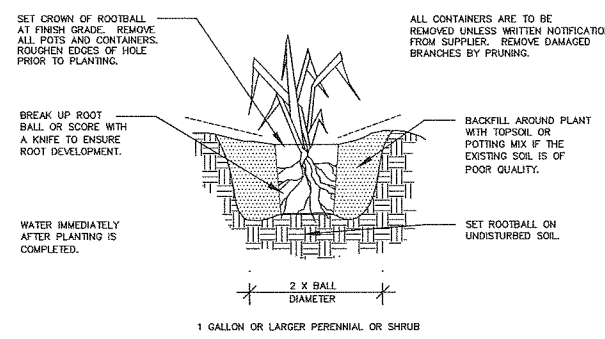


APPROVED BY PLANNING
 TITLE
 DATE 01-22-13

APPROVED BY FORESTRY
 TITLE
 DATE 07-22-13



DETAIL P.1.1. TREE PLANTING/STAKING DETAIL NO SCALE



DETAIL P.1.2. PERENNIAL/SHRUB PLANTING DETAIL NO SCALE

PLANT PALETTE

SYM.	COMMON NAME	SCIENTIFIC NAME	SIZE	QNTY.
PS	PRAIRIE SPIRE ASH	<i>Fraxinus pennsylvanica 'Rugby'</i>	POTTED 1 1/2" Cal.	3
RL	REDWING LINDY	<i>Vib. cordata 'Redwing'</i>	POTTED 1 1/2" Cal.	4
BC	BLUE CHIP JUNIPER	<i>Juniperus horizontalis 'Blue Chip'</i>	2 Gallon	8
BF	BUFFALO JUNIPER	<i>Juniperus sibirica 'Buffalo'</i>	2 Gallon	8
DC	DART'S GOLD HINEBARK	<i>Phytocarpus opulifolius 'Dart's Gold'</i>	2 Gallon	8
MC	MAGIC CARPET SPIREA	<i>Spiraea japonica 'Magic Carpet'</i>	2 Gallon	8

ADDITIONAL PERIMETER PLANTINGS IN LIEU OF INTERIOR

SYM.	COMMON NAME	SCIENTIFIC NAME	SIZE	QNTY.
PS	PRAIRIE SPIRE ASH	<i>Fraxinus pennsylvanica 'Rugby'</i>	POTTED 1 1/2" Cal.	4
BC	BLUE CHIP JUNIPER	<i>Juniperus horizontalis 'Blue Chip'</i>	2 Gallon	4
BF	BUFFALO JUNIPER	<i>Juniperus sibirica 'Buffalo'</i>	2 Gallon	8
DC	DART'S GOLD HINEBARK	<i>Phytocarpus opulifolius 'Dart's Gold'</i>	2 Gallon	8
MC	MAGIC CARPET SPIREA	<i>Spiraea japonica 'Magic Carpet'</i>	2 Gallon	1

CALL BEFORE YOU DIG
 NORTH DAKOTA
 UTILITIES UNDERGROUND LOCATION SERVICE
 1-800-795-0555

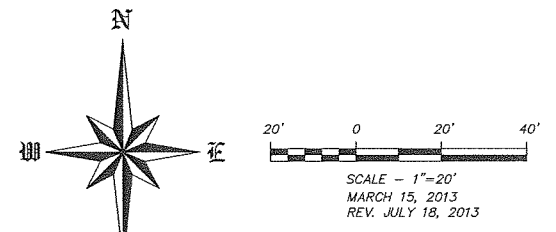


Copyright © 2013 by Swenson, Hagen & Co.
 All rights reserved. No part of this drawing may be used or reproduced in any form or by any means without the express written permission of Swenson Hagen & Co.

WARRANTY / DISCLAIMER
 The designs represented in these plans are in accordance with established practices of civil engineering. 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.

SAFETY NOTICE TO CONTRACTOR
 In accordance with generally accepted construction practices the contractor will be solely and completely responsible for 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 only and have not been independently verified by the owner or its representatives. The Contractor shall determine the exact location of all existing utilities before commencing work, and agree 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.



LEGEND

EXISTING ASPHALT	[Pattern]
EXISTING CONCRETE	[Pattern]
EXISTING SEWER	[Symbol]
EX. WATER LINES	[Symbol]
EX. ELECTRICAL LINES	[Symbol]
EXISTING GAS LINES	[Symbol]
EXISTING SIGN	[Symbol]
EXISTING CONTOUR	[Symbol]
EXISTING STREET LIGHT	[Symbol]
EXISTING HYDRANT	[Symbol]
EXISTING SHRUB	[Symbol]
EXISTING TREE	[Symbol]
PROPOSED ASPHALT	[Pattern]
PROPOSED CONCRETE	[Pattern]
PROPOSED CURB & GUTTER	[Symbol]

LANDSCAPING NOTES

1. SURFACE IMPROVEMENTS AND RESTRIPIING WILL OCCUR WITHIN THIS LOT HOWEVER, PARKING STALL NUMBERS HAVE NOT INCREASED.
2. ALL LANDSCAPING SHALL CONFORM TO APPLICABLE CITY, STATE AND FEDERAL CODES.
3. ALL LANDSCAPE PLANTINGS ARE TO BE WATERED BY THE LANDSCAPE CONTRACTOR THE SAME DAY THAT THE PLANTING OCCURS.
4. ALL PLANTING BEDS WILL BE INSTALLED WITH 3/4" LANDSCAPE ROCK, COMMERCIAL GRADE LANDSCAPE EDGING (EXCEPT NEXT TO CONCRETE), AND LANDSCAPE FABRIC MANUFACTURED SPECIFICALLY FOR PLANTING BED UNDERLAYMENT, UNLESS OTHERWISE NOTED ON THE PLANTING PLAN.
5. DAMAGE THAT OCCURS TO PLANTS DURING TRANSPORTATION AND INSTALLATION WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
6. CONTRACTOR SHALL PROVIDE AND MAINTAIN ALL NECESSARY SAFEGUARDS SUCH AS WARNING SIGNS, BARRICADES & NIGHT LIGHTS AT HIS OWN EXPENSE.
7. 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.
8. SOLITARY TREES DO NOT NEED TO BE EDGED AROUND, HOWEVER ORGANIC WOOD MULCH SHALL BE PLACED AROUND THE TREE IN A MUTILLE RING THAT CONFORMS TO THE DETAIL PROVIDED FOR TREE PLANTINGS.
9. TREES PLANTED IN DESIGNATED ROCK MULCH PLANTING BEDS SHOULD NOT BE INSTALLED WITH WOOD MULCH.

TOPSOIL - SOD

TOPSOIL AND SOD ALL DISTURBED AREAS NOT TO COVERED BY OTHER IMPROVEMENTS. TOPSOIL SHALL BE NATURAL, FRIABLE, FERTILE, FINE SANDY LOAM TOPSOIL. THE TOPSOIL SHALL BE FREE FROM SUBSOIL, NOXIOUS WEEDS, STONES, LIME, CEMENT, ASHES, SLAG OR OTHER DELETERIOUS MATTER, PROVIDE 6" TOPSOIL IN AREAS TO BE SOODED.

SOD MATERIAL AND INSTALLATION SHALL CONFORM TO THE REQUIREMENTS OF SECTION 1203 OF THE CITY OF BISMARCK CONSTRUCTION SPECIFICATIONS.

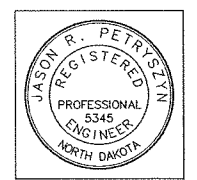
IRRIGATION

CONTRACTOR SHALL INSTALL SDR 35 PVC SEWER PIPE IRRIGATION SLEEVES AS SHOWN.

CONTRACTOR SHALL PROVIDE AND INSTALL ADDITIONAL IRRIGATION EQUIPMENT TO ADD A MINIMUM OF 2 ZONES OF SPRAYHEADS AND 1 DRIP ZONE TO THE EXISTING SYSTEM.

THE EXISTING SYSTEM CONSISTS OF A BOOSTER PUMP LOCATED ON THE LOWER LEVEL OF THE EDUCATION WING AND A 12 ZONE MECHANICAL CONTROLLER LOCATED ON THE NORTH EXTERIOR WALL OF THE WING. ALL 12 EXISTING ZONES ARE BEING UTILIZED. THE BOOSTER PUMP FEEDS A 12" MAINLINE TO THE ZONE VALVES.

THE CONTRACTOR SHALL LOCATE AND CONNECT TO THE MAINLINE IN THE TURF AREA NORTH OF THE PARKING LOT. PRE-APPROVED EQUIPMENT SHALL BE RAINBIRD 1804 SPRAY HEADS (SIZED AS NEEDED), RAINBIRD PEB VALVES IN THE APPROPRIATE SIZED BOX, CLASS 160 PVC MAINLINE, 100# POLYETHYLENE LATERAL PIPING, RAINBIRD DRIP IRRIGATION TUBING AND EMITTERS AND RAINBIRD ESP SERIES CONTROLLER.



SWENSON HAGEN & CO.
 THIS DOCUMENT WAS ORIGINALLY SEALED BY JASON R. PETRYSZYN, PE, ON 03/15/13 AND THE ORIGINAL DOCUMENT IS STORED AT THE OFFICE OF SWENSON, HAGEN & CO. P.C.

PROJECT #: 1303
 DRAWN BY: MJB
 CHECKED BY: JP
 ISSUE DATE: 3/15/2013

JIRAN ARCHITECTS & PLANNERS P.C.
 BOX 3013 1481 INTERSTATE LOOP SUITE A BISMARCK, ND 58103
 PHONE: 701-258-7771 FAX: 701-258-1072

LANDSCAPE PLAN

Fellowship Hall
 St. Anne's
 Bismarck, North Dakota

C1.3