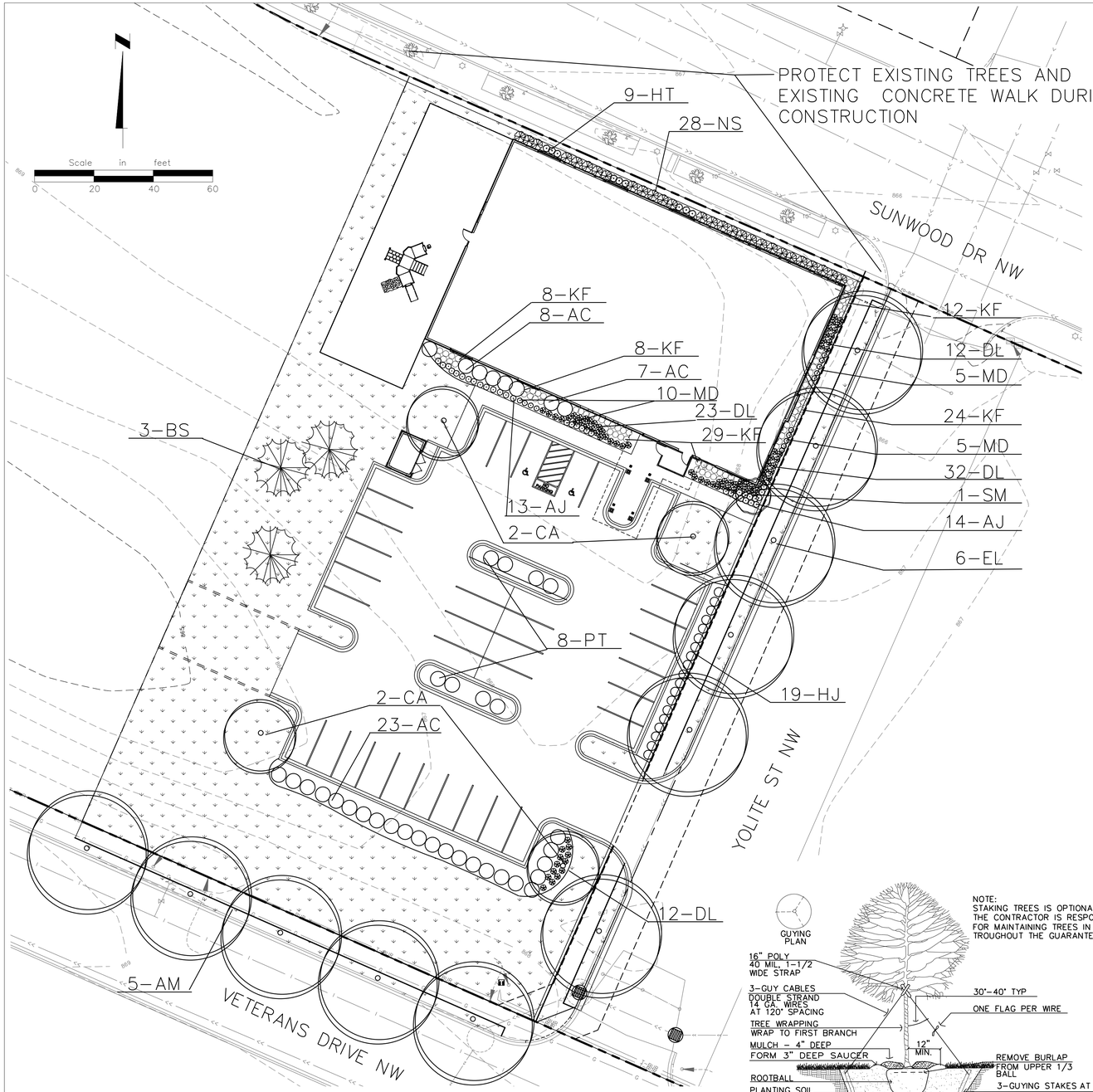
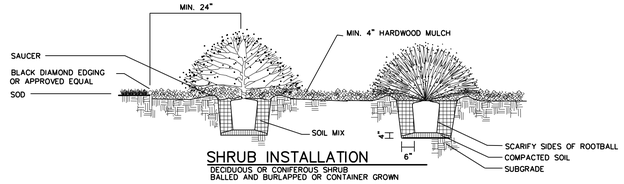
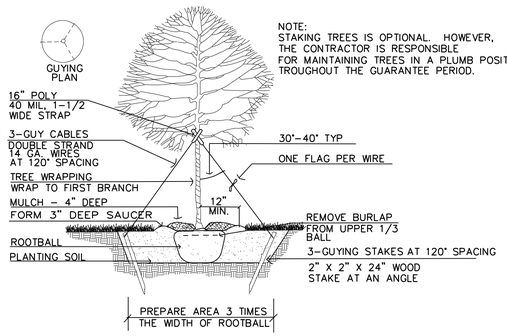




SHRUB INSTALLATION
DECIDUOUS OR CONIFEROUS SHRUB
BALLED AND BURLAPPED OR CONTAINER GROWN



TREE INSTALLATION
DECIDUOUS TREE
BALLED AND BURLAPPED

IRRIGATION NOTES:

ALL SODDED AREAS, PLANTING BEDS AND PARKING ISLANDS SHALL HAVE AN IRRIGATION SYSTEM PER CITY REQUIREMENTS AND SHALL BE BID AS DESIGN BUILD. DO NOT IRRIGATE ANY SEEDED AREAS.

THE IRRIGATION SYSTEM WILL BE DESIGNED BY THE CONTRACTOR CHOSEN TO DO THE WORK. A DESIGN DRAWING IS TO BE SUBMITTED TO THE LANDSCAPE ARCHITECT SHOWING LOCATIONS, SIZES, AND KINDS OF EQUIPMENT TO BE INSTALLED.

CONTRACTOR TO VERIFY MECHANICAL ROOM LOCATION AS SOURCE OF ELECTRIC AND WATER SUPPLY. CONTRACTOR SHALL COORDINATE ROUTING OF SUBWATER AND IRRIGATION CONTROL WIRING FROM MECH. ROOM TO FRONT OF BUILDING.

SUBMIT SHOP DRAWINGS AND PRODUCT FOR APPROVAL SHOP DRAWINGS SHALL INCLUDE LAYOUT OF SYSTEM AND DESIGN CALCULATIONS. SUBMIT PRODUCT DATA FOR PUMPS, CONTROLLER, SPRINKLE HEADS, BACKFLOW PREVENTER, RAIN SENSOR, AUTOMATIC VALVES AND OTHER MATERIALS.

OPERATING AND MAINTENANCE MANUALS SHALL BE SUBMITTED AND THE OWNERS PERSONNEL SHALL BE INSTRUCTED IN THE USE AND MAINTENANCE OF THE SPRINKLER SYSTEM.

IRRIGATION CONTRACTORS QUALIFICATIONS. THE IRRIGATION SYSTEM SUB-CONTRACTOR SHALL HAVE AT LEAST 3 YEARS CONTINUOUS, SATISFACTORY EXPERIENCE IN INSTALLING IRRIGATION SYSTEMS OF A SIMILAR SIZE AND TYPE. SUBMIT REFERENCE LIST OF SIMILAR SYSTEMS INSTALLED IN THE METRO AREA BY THE CONTRACTOR BIDDING.

FINAL ACCEPTANCE SHALL BE CONTINGENT UPON THE COMPLETION OF THE PROJECT. A DEMONSTRATION OF THE SYSTEM SHALL BE PROVIDED TO THE OWNER. ANY ADJUSTMENT TO HEADS SHALL BE MADE PRIOR TO THE DEMONSTRATION.

THE CONTRACTOR SHALL MAINTAIN A SKILLED JOURNEYMEN ON THE JOB DURING INSTALLATION, TOGETHER WITH A COMPETENT SUPERINTENDENT WHO HAS THE AUTHORITY TO ACT IN ALL MATTERS PERTAINING TO THE WORK..

IRRIGATION SYSTEMS MUST HAVE AN APPROVED BACKFLOW DEVISE INSTALLED IN THE IRRIGATION ENCLOSURE. IRRIGATION ENCLOSURE LOCATION AND CONSTRUCTION MATERIALS ARE SUBJECT TO THE APPROVAL OF THE CITY ENGINEER. ALL SYSTEMS MUST INSTALL A RAIN SENSOR DEVISE TO STOP IRRIGATION DURING RAIN EVENTS.

GENERAL NOTES:

SHOULD A PLANT BE UNAVAILABLE AT THE TIME OF INSTALLATION, ALL SUBSTITUTIONS ARE SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT AND THE CITY.

ANY EXISTING VEGETATION TO BE REMOVED FROM THE SITE SHALL BE DISPOSED OF IN A MANNER THAT IS APPLICABLE WITH LOCAL CITY AND STATE REQUIREMENTS.

SEE ENGINEERS GRADING AND UTILITY PLANS FOR EXACT LOCATIONS OF BERMS, FENCE, RETAINING WALLS, AND PIPE LOCATIONS.

ALL TREES SHALL RECEIVE SAUCERS AND MULCH WITH SHREDDED HARD-WOOD INDIVIDUALLY AS PER PLANTING DETAIL. ALL SHRUB GROUPS SHALL RECEIVE A CONTINUOUS BEDLINE A MIN. 24" FROM THE ROOT-BALL OF THE PROPOSED PERIMETER PLANTS OF THAT GROUPING. FINAL SHAPE OF THE BEDLINES ARE TO BE FIELD APPROVED BY THE LANDSCAPE ARCHITECT. PLANTS SHALL BE MULCHED AS A CONTINUOUS MASS. ALL SHRUBS BEDS SHALL BE EDGED WITH A HEAVY DUTY BLACK DIAMOND EDGING OR APPROVED EQUAL.

HARDWOOD MULCH SHALL BE APPLIED TO ALL PLANTING BEDS AND GROUNDCOVER AREAS TO A 4" DEPTH.

ALL LANDSCAPE AREAS INCLUDING ALL PLANTING BEDS, PARKING ISLANDS, AND SODDED AREAS SHALL HAVE AN IRRIGATION SYSTEM PER CITY REQUIREMENTS AND SHALL BE PROVIDED BY OTHERS.

ALL AREAS WITHIN THE PROPERTY THAT ARE NOT SHRUB BEDS OR HARD SURFACED EXCEPT AS NOTED SHALL BE SODDED. ALL AREAS OUTSIDE THE PROPERTY LINES DISTURBED BY GRADING OR UTILITY INSTALLATION SHALL BE RETURNED TO EXISTING CONDITION OR BETTER OR AS NOTED.

PLANT SCHEDULE

SYM	QTY	SIZE	COMMON NAME	LATIN NAME
BS	3	7' B&B	BLACK HILLS SPRUCE	PICEA GLAUCA DENSATA
EL	6	2.5 B&B	ACCOLADE ELM	ULMUS JAPONICA X WILLSONANA MORTON
AM	5	2.5 B&B	AUTUMN BLAZE MAPLE	ACER X FREEMANII JEFFERSRED
CA	4	2.0 B&B	SPRING SNOW CRABAPPLE	MALUS "SPRING SNOW"
SM	1	#10 CONT	SMOKEBUSH	COTINUS COGGYGRID ANCOT
NS	28	#5 CONT	DWF NORWAY SPRUCE	PICEA ABIES PUMILA
HJ	19	#5 CONT	HETZ MIDGET ARBORVITAE	THUJA OCCIDENTALIS "HETZ MIDGET"
PT	8	#5 CONT	POTENTILLA	POTENTILLA FUITICOSA ULMAN
AC	38	#5 CONT	ALPINE CURRANT	RIBES ALPINUM
HT	9	#1 CONT	AUGUST MOON HOSTA	HOSTA "AUGUST MOON"
DL	79	#1 CONT	DAYLILY	HEMEROCALLIS "HAPPY RETURNS"
KF	81	#1 CONT	KARL FOERSTER GRASS	CALAMAGROSTIS X ACUTIFLORA "KARL FOERSTER"
MD	20	#1 CONT	MAY NIGHT SALVIA	SALVIA NEMOROSA "MAYNIGHT"
AJ	27	#1 CONT	AUTUMN JOY SEDUM	SEDUM X "AUTUMN JOY"
			INDICATES AREAS TO BE SODDED	

CNH ARCHITECTS
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I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly registered Landscape Architect under the laws of the State of Minnesota.
Reg. No. 20893 Date: 5-4-2017

811 Engineering-Surveying Landscape Architecture
HANSEN THORP PELLINEN OLSON, Inc.
Roseville, MN 55113 651-639-9754 • 612-605-7509 fax

CNH NO.: 17018
DATE: 5/4/17
REVISIONS:

StoneBrook Academy
7800 Sunwood Drive
Ramsey, MN 55303

Landscape Plan

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CITY SUBMITTAL

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