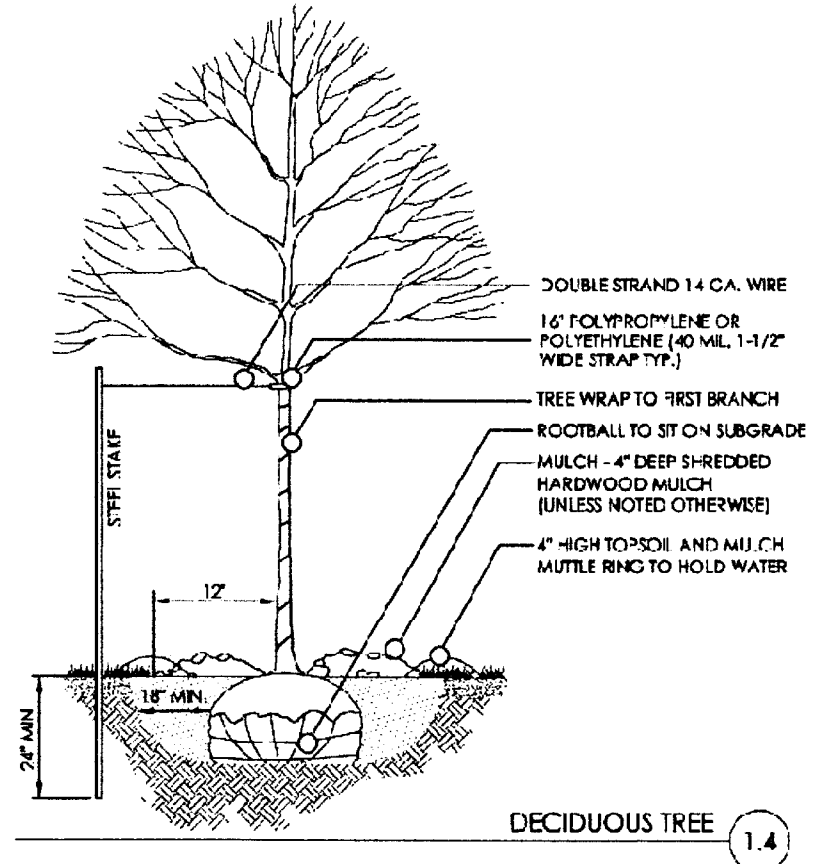
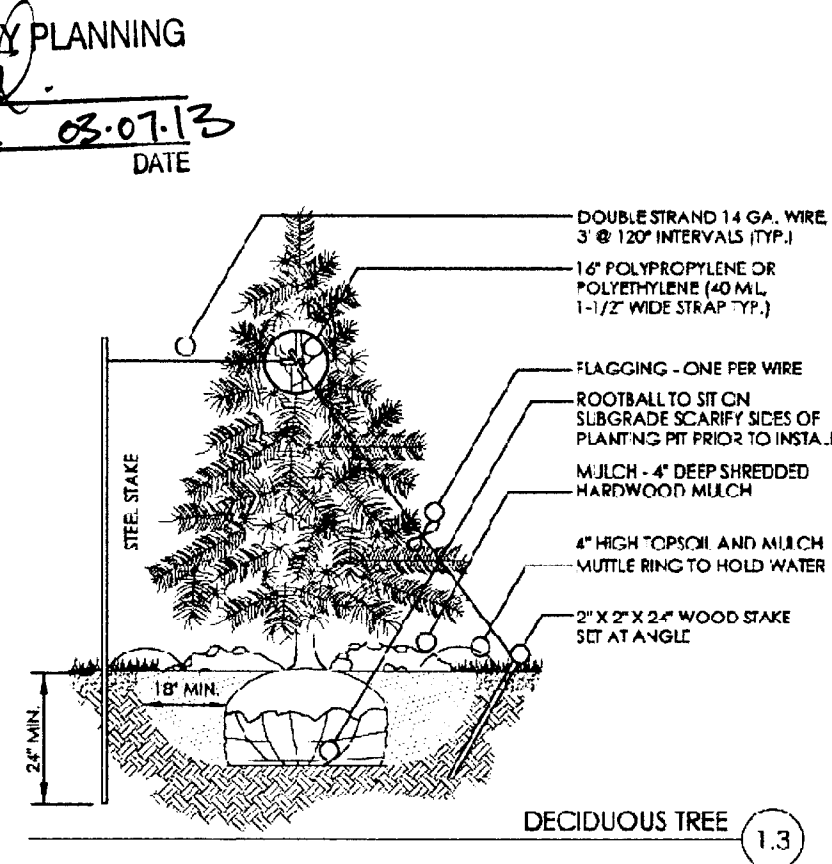
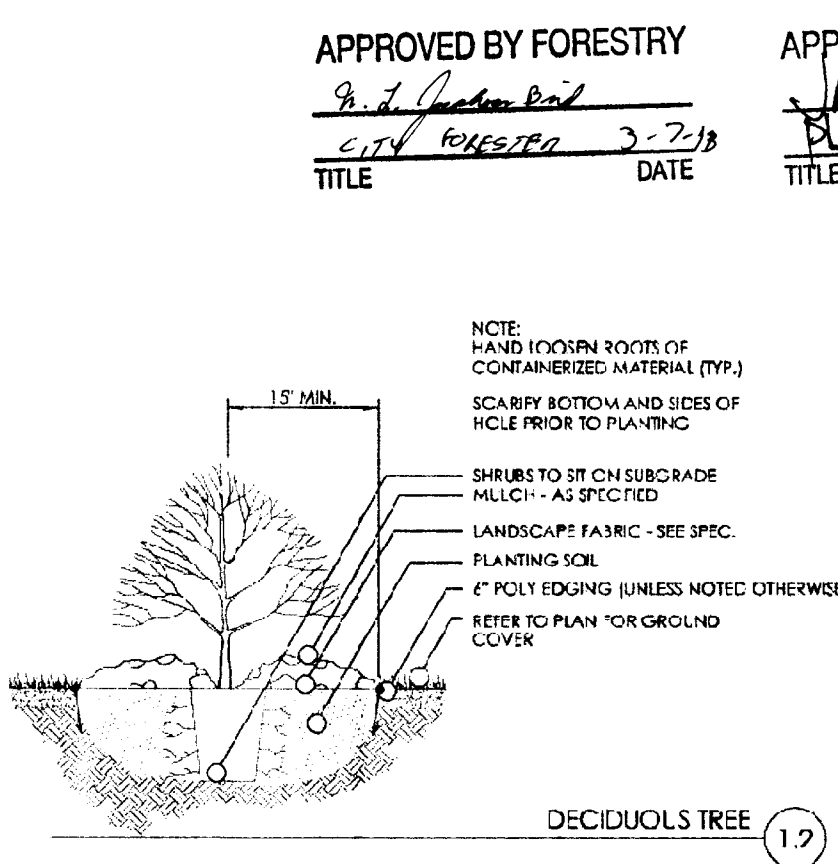


LOCATION AND LIMITS MAP
SCALE: 1" = 100'

1.1



TOPSOIL NOTES

CONTRACTOR TO SPREAD TOPSOIL WITHIN THE LIMITS SHOWN ON THIS PLAN AND ACCORDING TO THE ELEVATIONS SHOWN ON THE CIVIL SHEETS. TOPSOILING SHALL CONFORM TO THE CITY OF BISMARCK CONSTRUCTION SPECIFICATIONS FOR MUNICIPAL PUBLIC WORKS IMPROVEMENTS SECTION 1200 EXCEPT AS MODIFIED HEREIN: DELETE SECTION 1201-2.2 AS TOPSOIL WILL BE STOCKPILED FOR USE ON SITE. MODIFY SECTION 1201-3.4 TO INCLUDE A DEPTH OF 6" OF TOPSOIL WITHIN THE LIMITS SHOWN. DELETE SECTION 1201-4.1 AND FOLLOW THE BID TAB PROVIDED BY THE ARCHITECT.

GENERAL IRRIGATION NOTES FOR ALL SHEETS

CONTRACTOR SHALL DESIGN AND PROVIDE A PRICE FOR AN IRRIGATION SYSTEM ON THIS SITE BASED ON THE FOLLOWING PERFORMANCE SPECIFICATIONS.

A 2" WATER LINE STUB-OUT WILL BE PROVIDED OUTSIDE OF THE BUILDING BY THE MECHANICAL CONTRACTOR. IRRIGATION CONTRACTOR TO PROVIDE AND INSTALL A COMMERCIAL GRADE 2" PRESSURE VACUUM BREAKER ACCORDING TO MANUFACTURER'S SPECIFICATIONS. WATTS IS AN APPROVED MANUFACTURER.

ALL IRRIGATION MAINLINES SHALL BE CLASS 160 PVC PIPE BURIED TO A DEPTH OF AT LEAST 18". ALL IRRIGATION LATERAL LINES SHALL BE #100 POLYETHYLENE TUBING INSTALLED TO A DEPTH OF AT LEAST 12". WHEREVER IRRIGATION LINES ARE RAN BENEATH PAVING, SIDEWALKS, OR OTHER PERMANENT HARD SURFACING, THEY SHALL BE INSTALLED INSIDE OF CLASS 35 PVC CONDUITS. CONDUITS SHALL BE INSTALLED A MINIMUM OF 8" OUTSIDE OF THE HARD SURFACING.

IRRIGATION POP-UP MISTERS SHALL BE RAINBIRD 1804s OR OTHER APPROVED EQUAL. IRRIGATION ROTORS SHALL BE RAINBIRD 3500s OR RAINBIRD 5000s OR OTHER APPROVED EQUAL. IRRIGATION ROTORS AND MISTERS SHALL BE SPACED TO ENSURE 100% HEAD TO HEAD COVERAGE. OVERSPRAY SHALL BE MINIMIZED ONTO PAVEMENT, SIDEWALKS, AND BUILDINGS. IRRIGATION HEADS SHALL BE INSTALLED ON SWING PIPES ACCORDING TO MANUFACTURER'S SPECIFICATIONS.

ALL PLANTING BEDS SHALL BE INSTALLED WITH RAINBIRD LANDSCAPE DRIPLINE LD-09-12 OR APPROVED EQUAL. LANDSCAPE DRIPLINE SHALL BE SECURED TO THE GROUND USING 4" LANDSCAPE STAPLES INSTALLED A MINIMUM OF EVERY 4' ALONG THE LENGTH OF THE PIPE.

IRRIGATION ZONE VALVES FOR MISTERS AND ROTORS SHALL BE RAINBIRD PEB ZONE VALVES OR APPROVED EQUAL. IRRIGATION ZONE VALVES FOR LANDSCAPE DRIPLINE SHALL BE XEZ SERIES VALVES OR APPROVED EQUAL. A MINIMUM OF 2 QUICK COUPLERS SHALL BE INSTALLED ON THE MAINLINE FOR WINTERIZATION. QUICK COUPLER VALVES SHALL BE AS MANUFACTURED BY RAINBIRD OR OTHER APPROVED MANUFACTURER. ALL VALVES SHALL BE INSTALLED INSIDE OF APPROPRIATELY SIZED ZONE VALVE BOXES AS MANUFACTURED BY NCS OR OTHER APPROVED MANUFACTURER.

A CONTROL CLOCK SHALL BE INSTALLED INSIDE OF THE BUILDING IN A LOCATION APPROVED BY THE OWNER. CONTROL CLOCK SHALL BE A RAINBIRD ESP MODEL CONTROLLER. CONTROL CLOCK SHALL HAVE A MINIMUM OF 4 UNUSED ZONES IN THE EVENT THAT THE IRRIGATION SYSTEM IS ADDED ONTO IN THE FUTURE.

IRRIGATION CONTRACTOR SHALL PROGRAM THE CLOCK TO PROVIDE A MINIMUM OF 1" OF MOISTURE IN 7 DAYS WITHIN THE IRRIGATION LIMITS. AFTER PROGRAMMING, IRRIGATION CONTRACTOR SHALL TRAIN THE OWNER IN THE CORRECT OPERATIONAL PROCEDURES OF THE SYSTEM. FINAL ACCEPTANCE WILL NOT OCCUR UNTIL THIS HAS HAPPENED.

IRRIGATION CONTRACTOR SHALL PROVIDE A LAMINATED AND WATER PROOF COPY OF AN AS-BUILT DRAWING OF THE IRRIGATION SYSTEM FOR THE OWNER'S REFERENCE. THIS AS-BUILT DRAWING SHALL SHOW THE FINAL INSTALLED LOCATION OF ALL IRRIGATION LINES, LINE SIZES, ZONE VALVES, HEADS, AND OTHER MISCELLANEOUS COMPONENTS. ZONE VALVES SHALL BE LABELED WITH THE CORRECT ZONE NUMBER AS PROGRAMMED IN THE CONTROL CLOCK.

IRRIGATION CONTRACTOR SHALL INCLUDE THE FIRST YEARS WINTERIZATION IN THE COST OF THE PROJECT. IRRIGATION CONTRACTOR SHALL CONTACT THE OWNER BEFORE WINTERIZATION OCCURS TO PROPERLY EDUCATE THE OWNER ON THE CORRECT PROCEDURES TO FOLLOW DURING WINTERIZATION.

IRRIGATION CONTRACTOR SHALL FOLLOW ALL RECOMMENDED PRACTICES AS SET FORTH BY THE MANUFACTURER'S SPECIFICATIONS AND THE IRRIGATION ASSOCIATION.

MISCELLANEOUS LANDSCAPING NOTES

THE LANDSCAPE BERMS SHOWN ON THIS PLAN ARE EXISTING. IN 2013, BURLEIGH COUNTY WILL SPRAY ALL EMERGING WEEDS ON THESE BERMS TO HELP CONTROL THE SPREAD OF NEWLY GERMINATING AND PREVIOUSLY DORMANT WEED SEEDS. IN 2014 THESE BERMS WILL BE PLANTED WITH APPROXIMATELY 2300 TREE AND SHRUB PLANTINGS. BOTH DECIDUOUS AND CONIFEROUS PLANTINGS, DEMONSTRATING A VARIETY OF MATURE PLANT HEIGHTS AND SPREADS, WILL BE USED. PLANTINGS WILL BE CONSERVATION GRADE SEEDLINGS AND BARE ROOT STOCK PROVIDED BY THE LOCAL SOIL CONSERVATION DISTRICT. A PLAN DEPICTING THE LOCATIONS OF THESE FUTURE PLANTINGS WAS NOT AVAILABLE AT THE TIME THAT THIS SITE PLAN WAS PREPARED.

IF ADDITIONAL INFORMATION IS DESIRED REGARDING THE FUTURE PLANTING OF THE SOIL BERMS TO THE SOUTH AND WEST, PLEASE FEEL FREE TO CONTACT THE BURLEIGH COUNTY ENGINEER AT THE CONTACT INFORMATION PROVIDED BELOW:

MARCLIS HALL - BURLEIGH COUNTY ENGINEER
2000 N 57ND STREET
BISMARCK, ND 58501
(701) 221-4870

ALTERNATE 6:
DEDUCT LANDSCAPING AND IRRIGATION SYSTEM

Scale: 1"=100'

LANDelements
SCAPE architects
PO BOX 9617 FARGO, ND 58106 P: (701) 235-3990
WWW.LANDELEMENTS.COM F: (701) 237-2273

BURLEIGH CO HIGHWAY DEPARTMENT
GARAGE & SHOP

PROJ #: 12-04
DATE: 12-27-12
DRAWN BY: GLOVED SAT
PLAN ALT L1.0
ALT#6

I hereby certify that this plan specification, or report was prepared by me or under my direct supervision and I am a duly Registered Landscape Architect under the laws of the State of North Dakota.
JACOBEL AXTMAN, A.S.A.
Date: 12-27-12 Ref. No. 35
THIS DOCUMENT HAS BEEN PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND I AM A DULY REGISTERED LANDSCAPE ARCHITECT UNDER THE LAWS OF THE STATE OF NORTH DAKOTA.
JACOBEL AXTMAN, A.S.A.
Date: 12-27-12 Ref. No. 35

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