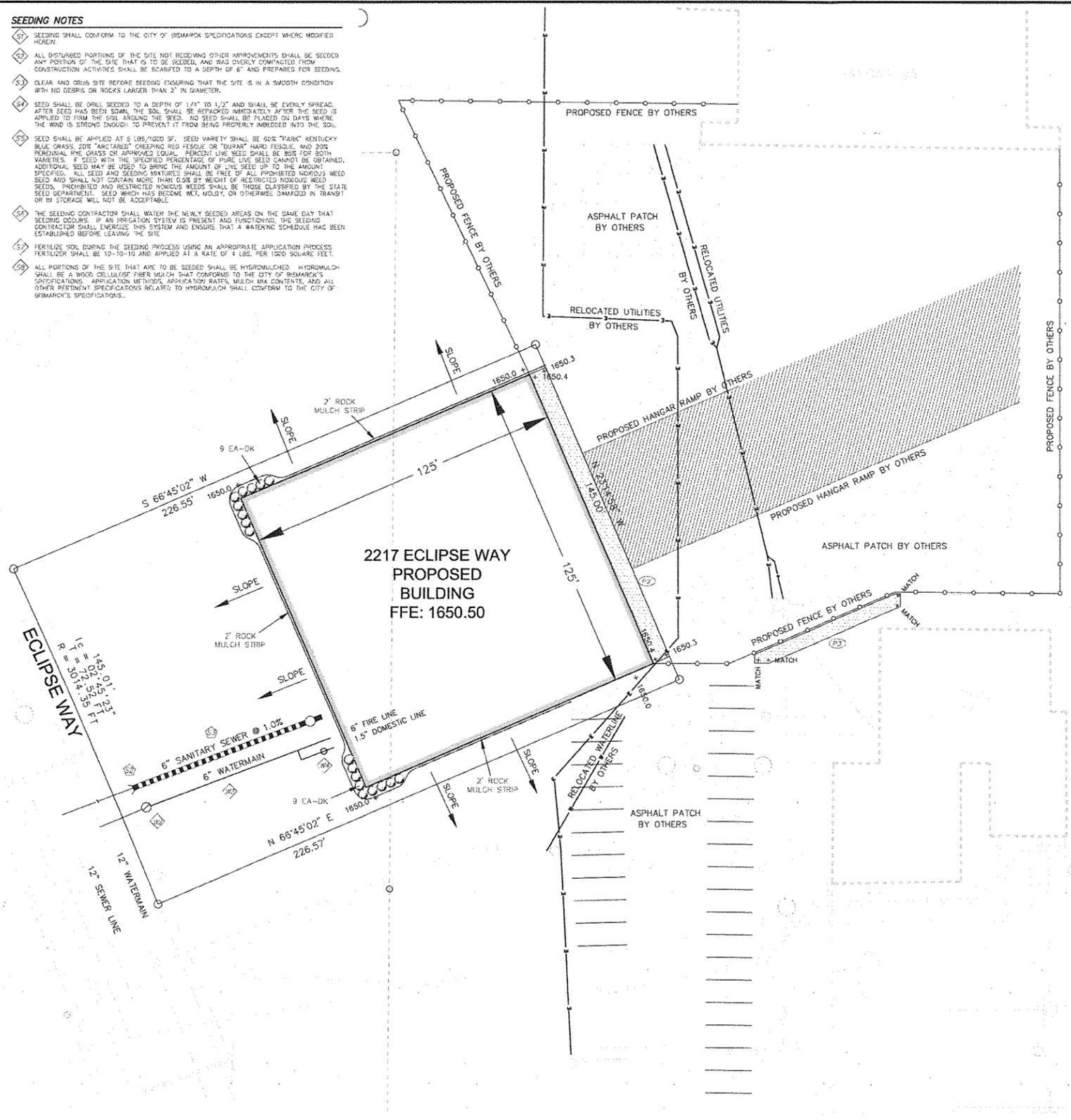


- SEEDING NOTES**
- SEEDING SHALL CONFORM TO THE CITY OF BISMARCK SPECIFICATIONS EXCEPT WHERE MODIFIED HEREIN.
 - ALL DISTURBED PORTIONS OF THE SITE NOT RECEIVING OTHER IMPROVEMENTS SHALL BE SEEDING ANY PORTION OF THE SITE THAT IS TO BE SEEDING, AND WAS OVERLY COMPACTED FROM CONSTRUCTION ACTIVITIES SHALL BE SCARIFIED TO A DEPTH OF 6" AND PREPARED FOR SEEDING.
 - 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.
 - 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 REPAKED IMMEDIATELY. AFTER THE SEED IS APPLIED TO 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.
 - SEED SHALL BE APPLIED AT 5 LBS./1000 SF. SEED VARIETY SHALL BE 60% "PARK" KENTUCKY BLUE GRASS, 20% "AMCARE" CREEPING RED FESCUE OR "DURAK" HARD FESCUE, AND 20% PERENNIAL RYE GRASS OR ANNUAL RYE GRASS. PERCENT LIVE SEED SHALL BE 80% 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 WEED 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.
 - THE SEEDING CONTRACTOR SHALL WATER THE NEWLY SEEDING AREAS ON THE SAME DAY THAT SEEDING 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.
 - 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.
 - ALL PORTIONS OF THE SITE THAT ARE TO BE SEEDING SHALL BE HYDROMULCHED. HYDROMULCH SHALL BE A BIRD CELLULOSE FIBER MULCH THAT CONFORMS TO THE CITY OF BISMARCK'S SPECIFICATIONS. APPLICATION METHODS, APPLICATION RATES, MULCH MIX CONTENTS, AND ALL OTHER TREATMENT SPECIFICATIONS RELATED TO HYDROMULCH SHALL CONFORM TO THE CITY OF BISMARCK'S SPECIFICATIONS.

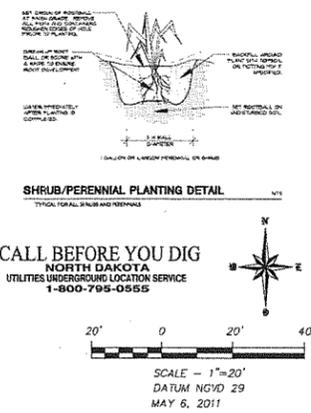


- MISCELLANEOUS NOTES**
- CONSTRUCTION LIMITS SHALL BE AS FOLLOWS: 20' AROUND THE PERIMETER OF THE BUILDING. STAGING LIMITS SHALL BE ALL OF LOTS 43 & 44.
 - NO ADDITIONAL PARKING IS PLANNED FOR THIS HANGAR. SHARED PARKING FOR THE FACILITY IS AVAILABLE ON SITE AND WILL CONTINUE TO BE AVAILABLE FOR THIS NEW HANGAR AFTER CONSTRUCTION.
 - AS THIS IS A SECURED FACILITY, NO PUBLIC SIDEWALKS WILL BE PLANNED FOR THIS SITE.
- GRADING NOTES**
- FOLLOW THE PROPOSED SPOT ELEVATIONS WHERE PROVIDED. SPOT ELEVATIONS INDICATE FINISH GRADE. STRAIGHT GRADE THE SITE FROM THE ELEVATIONS PROVIDED AT THE BUILDING TO MATCH INTO EXISTING GRADES OF THE LAWN AREA. ALL SLOPES IN LAWN AREAS SHALL BE A MINIMUM OF 2% AND SHALL NOT EXCEED A 3:1 SLOPE.
- TOPSOIL NOTES**
- TOPSOIL TO BE STOCKPILED ON SITE PRIOR TO CONSTRUCTION. LANDSCAPE CONTRACTOR TO SPREAD TO FINISH GRADE. ALL PORTIONS OF THE SITE NOT RECEIVING CONCRETE, CURB & GUTTER OR OTHER IMPROVEMENTS SHALL BE COVERED WITH A MINIMUM OF 6" OF TOPSOIL AND SEEDING ACCORDING TO SPECIFICATIONS.
 - TOPSOIL SHALL BE PLACED AND SEEDING AS SOON AS PRACTICAL TO MINIMIZE WIND AND WATER EROSION. BACKFILL AS SOON AS REASONABLE TO PREVENT STANDING WATER AND PROTECT THE IMPROVEMENTS.
 - ANY EXCESS TOPSOIL NOT USED FOR GRADING AROUND THE BUILDING SHALL BE HAULED OFFSITE.
- SANITARY SEWER**
- MATERIALS AND CONSTRUCTION METHODS SHALL COMPLY WITH CITY OF BISMARCK SPECIFICATIONS. ALL BACKFILL SHALL BE 60% OF STARGARD PROCTOR AT RECOMMENDED MOISTURE CONTENT. TESTING IS CONSIDERED INCIDENTAL.
 - CONNECT INTO EXISTING 6" SANITARY SEWER SERVICE; INV. 1036.50±. FIELD VERIFY.
 - INSTALL 75.5 LF OF 6" SANITARY SEWER AT 1.0% SLOPE. INSTALL 6" CLEANOUT. INSTALL 5.0 LF OF 6" SANITARY SEWER AND CAP. VERIFY INVERT ELEVATION OF SANITARY SEWER SERVICE INTO BUILDING. COORDINATE WITH MECHANICAL CONTRACTOR FOR CONNECTION INTO BUILDING.
- WATERMAIN**
- MATERIALS AND CONSTRUCTION METHODS SHALL COMPLY WITH CITY OF BISMARCK SPECIFICATIONS. ALL BACKFILL SHALL BE 60% OF STARGARD PROCTOR AT RECOMMENDED MOISTURE CONTENT. WATERLINES SHALL BE CHLORINATED, PRESSURE TESTED AND AIR FLUSHED. TESTING IS CONSIDERED INCIDENTAL.
 - CONNECT TO EXISTING 6" WATERMAIN, APPROXIMATE INV. 1036.33±. FIELD VERIFY.
 - INSTALL APPROXIMATELY 79 LF OF 8" WATERMAIN AND PROVIDE CAP. CAP INVERT ELEVATION = 1043.0. COORDINATE LOCATION AND CONNECTION WITH MECHANICAL ENGINEER.
 - INSTALL A 1.5" COPPERATION AND SADDLE OR THE 8" WATERMAIN 6.5 FEET FROM 6" CONNECTION. COORDINATE WITH MECHANICAL CONTRACTOR ON LOCATION OF 1.5" DOMESTIC LINE INTO THE BUILDING. COORDINATE WITH MECHANICAL CONTRACTOR TO MINIMIZE NUMBER OF FITTINGS. PREFERABLY, LOCATE 1.5" CURB STOP AND BOX 3 FEET FROM BUILDING. GENERAL CONTRACTOR TO SUPPLY AND INSTALL 1.5" CURB STOP AND BOX.
 - COORDINATE WITH MECHANICAL CONTRACTOR FOR PRESSURE TESTING, CHLORINATION AND FLUSHING PER CITY REQUIREMENTS.
- CONCRETE**
- ON SITE EXTERIOR CONCRETE MATERIALS AND CONSTRUCTION MATERIALS SHALL CONFORM TO CITY OF BISMARCK SPECIFICATIONS EXCEPT AS MODIFIED HEREIN. AIR CONTENT SHALL BE 5% TO 7%. STRENGTH AT 28 DAYS SHALL BE 4000 PSI.
 - 4-1/2" THICK UNREINFORCED CONCRETE APRON.
 - 4-1/2" THICK UNREINFORCED CONCRETE SIDEWALK.
 - ISOLATION JOINTS WILL BE REQUIRED ALONG THE BUILDING STOPS AND ALL FLOOR ITEMS. LEAVE JOINT 5" LOW AND SEAL. ISOLATION JOINTS SHALL BE SEALED USING A JOINT SEALER POLYURETHANE TYPE SEALANT.
 - CONSTRUCTION JOINTS WILL BE PLACED TO CONCRETE WITH CONSTRUCTION JOINT SPACING. CONSTRUCTION JOINT FOR REINFORCED CONCRETE SHALL HAVE A MINIMUM 12" DIAMETER HALF ROUND KEYWAY OR APPROVED EQUAL.
 - JOINT SPACING SHALL TYPICALLY BE SPACED AT 1-1/2 TIMES THE THICKNESS OF THE PAVEMENT (MEASURED IN INCHES) IN FEET (4" SWK EQUALS 6 FOOT SPACING). IN NO CASE SHALL THE JOINT SPACING EXCEED TWO TIMES THE THICKNESS. SIDEWALK AND CURB AND GUTTER JOINT SPACING SHALL MATCH.
- LANDSCAPING**
- DAMAGE THAT OCCURS TO PLANTS DURING TRANSPORTATION AND INSTALLATION WILL BE THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR.
 - ALL PLANTING BEDS SHALL BE INSTALLED WITH 3" OF 1" CRUSHED ROCK MULCH. LANDSCAPE FABRIC WITH A MINIMUM WEIGHT OF 2 OZ./SQ. YD. AND WHEREVER NECESSARY, 6" COMMERCIAL GRADE BLACK PLASTIC LINING TO CONTAIN THE PLANTING BED.
 - ALL LANDSCAPE PLANTINGS ARE TO BE WATERED BY THE LANDSCAPE CONTRACTOR THE SAME DAY THAT THE PLANTING OCCURS. THE OWNER WILL BE RESPONSIBLE FOR PROVIDING WATER FOR THIS TASK. IF WATER IS NOT AVAILABLE AT THE BUILDING, THE LANDSCAPE CONTRACTOR SHALL PROVIDE ALTERNATIVE METHODS FOR WATERING.
 - CONTRACTOR SHALL PROVIDE WRITTEN WARRANTIES CONFIRMING THE FOLLOWING: FURNISHED SHRUBS GUARANTEED TO LIVE AND REMAIN STRONG, VIGOROUS, AND HEALTHY CONDITION FOR 365 DAYS MINIMUM FROM DATE LANDSCAPE INSTALLATION IS ACCEPTED AS COMPLETED.
 - LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR WATERING AND CARING FOR ALL PLANT MATERIAL, SEED, SOIL, AND OTHER LANDSCAPING IMPROVEMENTS UNTIL THE DATE OF FINAL INSPECTION AND APPROVAL.

PLANT PALETTE

SYMBOL	COMMON NAME	SCIENTIFIC NAME	SIZE	QTY
DK	DWARF KOREAN LAUREL	Syringa meyeri 'Palibin'	2' Clump	18

- LEGEND**
- PROPOSED CONCRETE
 - PROPOSED SEWER LINE
 - PROPOSED WATER LINE
 - SANITARY SEWER
 - TELEPHONE LINE
 - GAS LINE
 - STORM SEWER
 - WATER LINE
 - OVERHEAD POWER
 - ELECTRICAL
 - FIBEROPTICS LINE
 - TELEVISION LINE
 - FENCE
 - LOT LINE
 - SANITARY SEWER
 - LIGHT
 - MONUMENT
 - EXISTING CONCRETE
 - EXISTING ASPHALT



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SCALE - 1"=20'
DATUM NGVD 29
MAY 6, 2011



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DIMENSION, UTILITY, & GRADING PLAN
SIMSON HANGAR - 2011
BISMARCK AIRPORT ADDITION
BISMARCK, NORTH DAKOTA

APPROVED BY FORESTRY
Dr. L. Jackson Bird
CITY FORESTER 5-19-11
DATE

APPROVED BY PLANNING
Ann [unclear]
PLANNER 05-20-11
DATE

SHEET TITLE
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UTILITY NOTE
The location of existing underground utilities are shown in an approximate way only and have not been independently verified by the owner or its representative. The contractor shall determine the exact location of all existing utilities before commencing work, and agree to be fully responsible for any and all damage which might be occasioned by the contractor's failure to locate, locate and preserve any and all underground utilities.