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FEB 02 2016

REVISIONS	
MARK	DESCRIPTION

CONTRACT DOCUMENTS

January 21, 2016
J2 Project No. J21415

BISMARCK PUBLIC SCHOOLS ATHLETIC COMPLEX-PHASE TWO
3400 CALGARY AVENUE
BISMARCK, NORTH DAKOTA



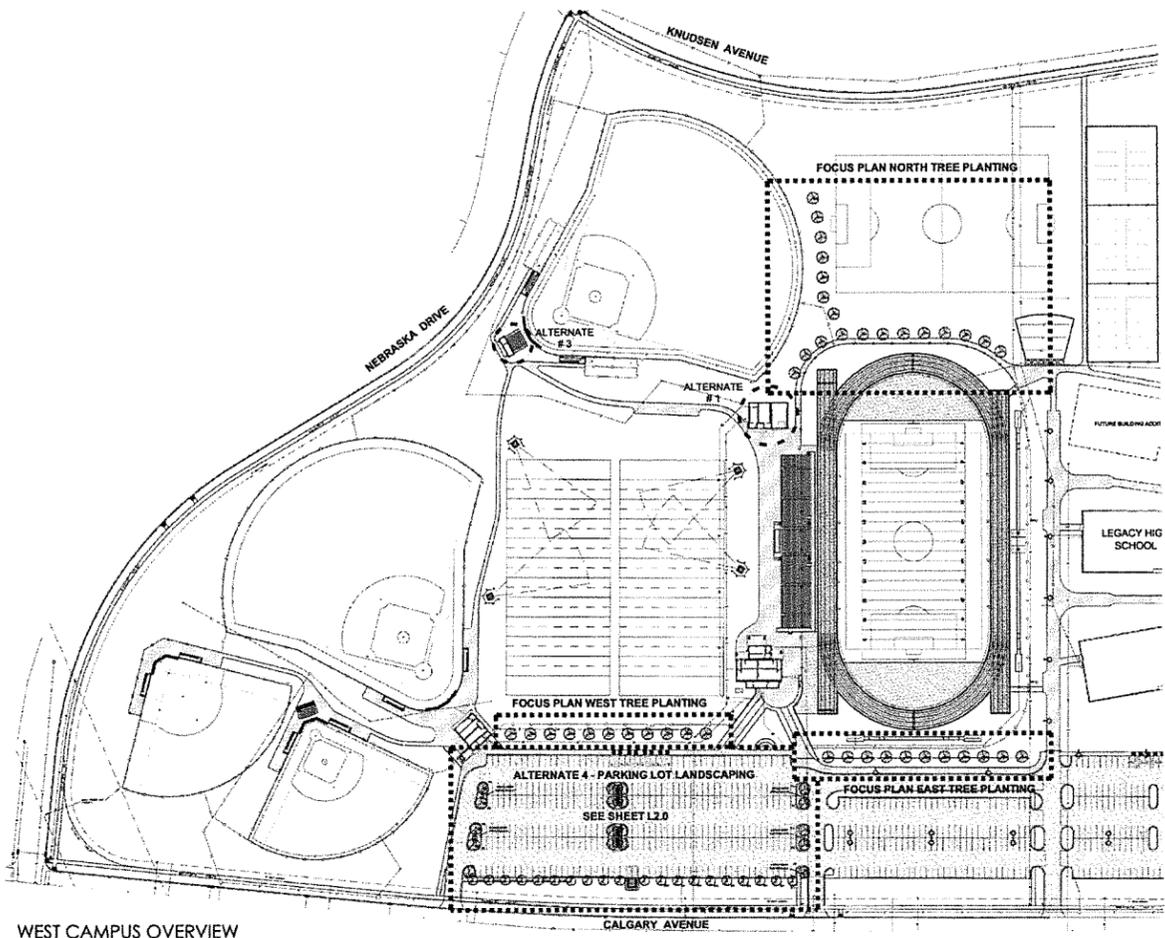
925 Basin Avenue
Bismarck, ND 58504
(701) 255-1822

BASE BID LANDSCAPING

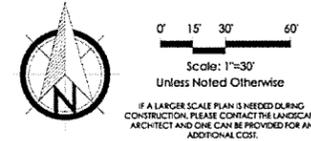
L1.0

APPROVED BY PLANNING
Jean Land
SENIOR PLANNER 02-04-16
DATE

APPROVED BY FORESTRY
Mark
LANDSCAPE ARCHITECT 2-4-16
DATE



WEST CAMPUS OVERVIEW
SCALE: 1" = 100'



I hereby certify that the 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 North Dakota.
JACOB L. ANTONI, A.S.L.A.
Date: 01-21-16 Ref. No. 30

PLANT & MATERIAL PALETTE - BASE BID (THIS SHEET ONLY)

TREES	SYM.	COMMON NAME	SCIENTIFIC NAME	SIZE	QNTY.
AL	AL	AMERICAN LINDEN	<i>Tilia americana</i>	1 1/2" Col.	12
SG	SG	SIENNA GLEN MAPLE	<i>Acer Freemanii 'Sienna'</i>	1 1/2" Col.	7
SS	SS	SPRING SNOW CRABAPPLE	<i>Malus 'Spring Snow'</i>	1" Col.	22

THE QUANTITIES PROVIDED IN THIS TABLE ARE FOR REFERENCE ONLY. IF DISCREPANCIES EXIST BETWEEN THE PLAN AND THIS TABLE, THE PLAN QUANTITIES SHALL BE CONSIDERED CORRECT. PLEASE NOTIFY LANDSCAPE ARCHITECT IF DISCREPANCIES EXIST.

GENERAL LANDSCAPING NOTES - THIS SHEET ONLY

NOTE THAT THIS PHASE OF CONSTRUCTION INCLUDES SEVERAL ALTERNATES. REFER TO CONSULTANT SHEETS FOR LIST OF ALTERNATE ITEMS. ALL LANDSCAPING ON SHEET L2.0 IS TO BE INCLUDED AS PART OF ALTERNATE #4. ALL LANDSCAPING ON SHEET L1.0 AND ALL SEEDING SHOWN ON SHEET L3.0 IS TO BE INCLUDED AS PART OF THE BASE BID PACKAGE.

REFER TO CONSULTANT SHEETS FOR UNDERGROUND UTILITIES. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING UTILITIES BEFORE DIGGING.

ALL CONTRACTORS SUBMITTING BIDS FOR THIS PROJECT SHALL FIELD VERIFY ALL CONDITIONS ON SITE. ANY DISCREPANCIES BETWEEN PLANS AND SITE CONDITIONS SHALL BE CLARIFIED WITH THE LANDSCAPE ARCHITECT BEFORE CONSTRUCTION BEGINS.

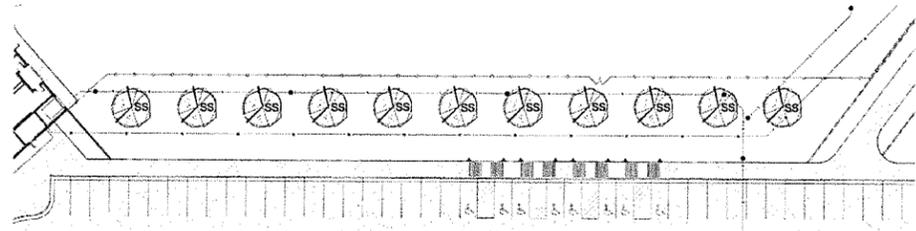
PROTECT THE IMPROVEMENTS ON SITE AND ON THE ADJOINING PROPERTIES. PROVIDE BARRICADES, COVERINGS OR OTHER TYPE OF PROTECTION AS NECESSARY TO PREVENT DAMAGE AND TO SAFEGUARD AGAINST INJURY TO EXISTING UTILITIES. DAMAGE THAT OCCURS TO PLANTS DURING TRANSPORTATION AND INSTALLATION WILL BE THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR.

LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE TO CARE FOR ALL PLANT MATERIAL, SEED, AND OTHER LANDSCAPING IMPROVEMENTS UNTIL THE DATE OF FINAL INSPECTION AND APPROVAL. IT IS IN THE BEST INTEREST OF THE LANDSCAPE CONTRACTOR TO ENSURE ALL PLANTS ARE PROPERLY WATERED AND CARED FOR DURING THIS TIME. DEAD OR DYING PLANT MATERIAL WILL NOT BE ACCEPTED.

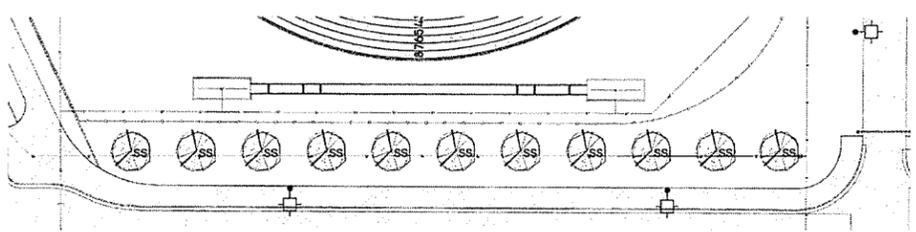
SOLITARY TREES SHALL NOT BE EDGED AROUND, HOWEVER ORGANIC WOOD MULCH SHALL BE PLACED AROUND THE TREE IN A MUFFLE RING THAT CONFORMS TO THE DETAIL PROVIDED FOR TREE PLANTINGS.

CONTRACTOR SHALL PROVIDE WRITTEN WARRANTIES CONFIRMING THE FOLLOWING:
FURNISHED TREES AND SHRUBS GUARANTEED TO LIVE AND REMAIN STRONG, VIGOROUS, AND HEALTHY CONDITION FOR 365 DAYS MINIMUM FROM DATE LANDSCAPE INSTALLATION IS ACCEPTED AS COMPLETED.

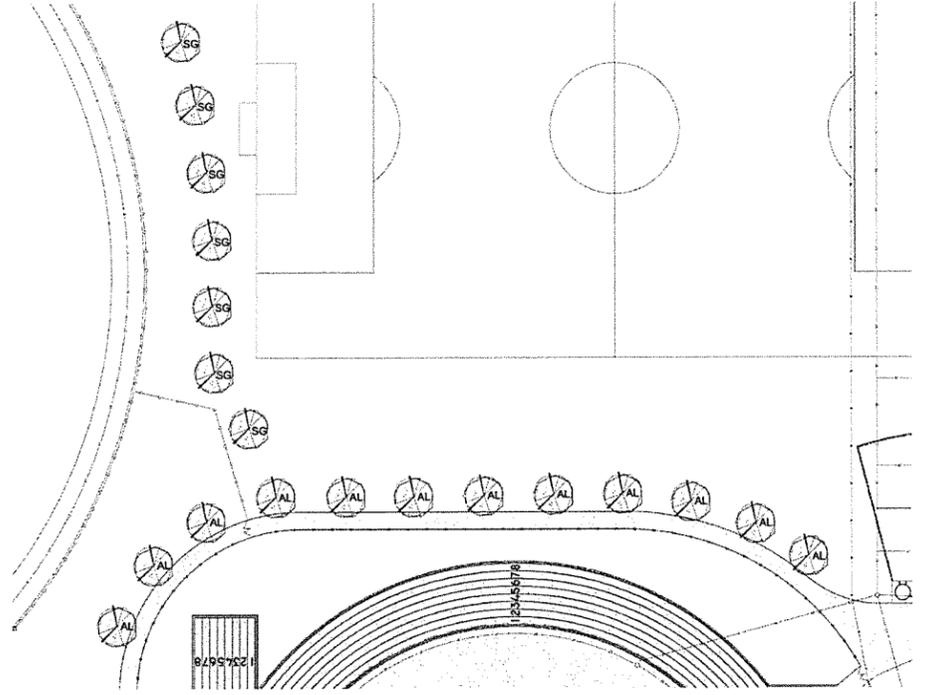
A PORTION OF THE SITE WILL NOT RECEIVE IRRIGATION. TREES THAT ARE NOT WITHIN THE IRRIGATION LIMITS SHALL BE INSTALLED WITH REMOVABLE, SLOW RELEASE WATERING BAGS WITH A FILL CAPACITY OF APPROXIMATELY 15 GALLONS. APPROVED PRODUCT INCLUDES ORIGINAL TRIGGERATOR AS MANUFACTURED BY SPECTRUM PRODUCTS, INC. OR APPROVED EQUAL. ANY OTHER PRODUCTS MUST BE APPROVED BY THE LANDSCAPE ARCHITECT AND THE BISMARCK PUBLIC SCHOOL DISTRICT PRIOR TO BIDDING. CONTRACTOR SHALL ENSURE THAT EVERY TREE ON SITE IS IRRIGATED THROUGH THE IRRIGATION SYSTEM OR IS INSTALLED WITH A WATER BAG. IF FOR SOME REASON, THERE ARE TREES THAT ARE NOT RECEIVING WATER THROUGH EITHER METHOD, CONTRACTOR SHALL BE RESPONSIBLE FOR WATERING THESE TREES BY HAND UNTIL DATE OF FINAL ACCEPTANCE AND SHALL IMMEDIATELY NOTIFY THE LANDSCAPE ARCHITECT AND THE EPSD.



BASE BID LANDSCAPING - FOCUS PLAN WEST TREE PLANTING
SCALE: 1" = 30'



BASE BID LANDSCAPING - FOCUS PLAN EAST TREE PLANTING
SCALE: 1" = 30'



BASE BID LANDSCAPING - FOCUS PLAN NORTH TREE PLANTING
SCALE: 1" = 30'

2016-005

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3400 CALGARY AVENUE
BISMARCK, NORTH DAKOTA

SEEDING SPECIFICATIONS

THIS PLAN DEPICTS THE SEEDING LIMITS FOR THIS STAGE OF CONSTRUCTION. UTILITY AND LIGHTS ARE NOT DEPICTED ON THIS PLAN FOR GRAPHIC CLARITY. REFER TO CIVIL SHEETS FOR UTILITY LOCATIONS. REFER TO ELECTRICAL SHEETS FOR LIGHTS AND WIRING LOCATIONS. REFER TO IRRIGATION PLANS FOR IRRIGATION LIMITS. THE "TURF" MATERIALS SHALL FOLLOW THE IRRIGATION LIMITS. THE "COVER CROP" MIX SHALL BE USED IN ALL LOCATIONS DEPICTED THAT ARE NOT RECEIVING IRRIGATION. OUTSIDE OF THIS CONTRACT, AFTER FUTURE PHASES OF CONSTRUCTION ARE COMPLETE, A PERMANENT SEED MIX WILL BE INSTALLED OVER THE COVER CROP.

WITHIN THE BID PRICE FOR SEEDING, CONTRACTOR SHALL ANTICIPATE MOBILIZING TO THE SITE 4 TIMES. GRADING WILL OCCUR IN MULTIPLE STAGES THROUGHOUT THIS PHASE OF CONSTRUCTION. SEEDING MUST OCCUR IMMEDIATELY AFTER EACH GRADING STAGE TO ENSURE GROUND COVER IS ESTABLISHED AS QUICKLY AS POSSIBLE. COORDINATE WITH DIRTWORK CONTRACTOR TO UNDERSTAND POTENTIAL SEEDING TIMELINES BEFORE BIDDING.

SEVERAL ALTERNATES WILL BE CONSIDERED AS PART OF THIS PHASE OF CONSTRUCTION. ALL SEEDING & HYDROMULCH SHALL BE INCLUDED IN BASE BID. HOWEVER, SEEDING LIMITS MAY CHANGE SLIGHTLY DEPENDING ON ALTERNATES SELECTED. SEE CONSTANT SHEETS FOR DESCRIPTION OF ALTERNATES.

SEEDING SHALL CONFORM TO THE MOST RECENT VERSION OF THE CITY OF BISMARCK'S CONSTRUCTION SPECIFICATIONS FOR MUNICIPAL PUBLIC WORKS IMPROVEMENTS FOR SEEDING EXCEPT WHERE MODIFIED HEREIN. THIS SECTION CAN BE FOUND AS SECTION 1202. SEEDING AND IS AVAILABLE ON THE CITY OF BISMARCK'S WEBSITE: WWW.BISMARCK.ORG

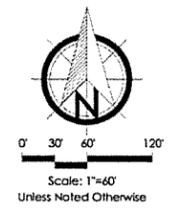
***TURF GRASS SEED MIX:**

ATHLETIC PRO 3 MIXTURE AS DISTRIBUTED BY JACKLIN SEED, OR APPROVED EQUAL. ALTERNATE SEED MIXES MUST BE APPROVED BY THE SPSD. 50% 3 OF KENTUCKY BLUEGRASSES OF THE FOLLOWING VARIETIES (BLUE CHIP, EVERT, LINBACH, HUBBLE) AND 50% 20/3 PERENNIAL RYEGRASSES OF THE FOLLOWING VARIETIES (ACCENT, CADDISSHACK, L TOP GUN E). SEED SHALL BE INSTALLED AT A RATE OF 225 LBS./ACRE.

***COVER CROP GRASS SEED MIX:**

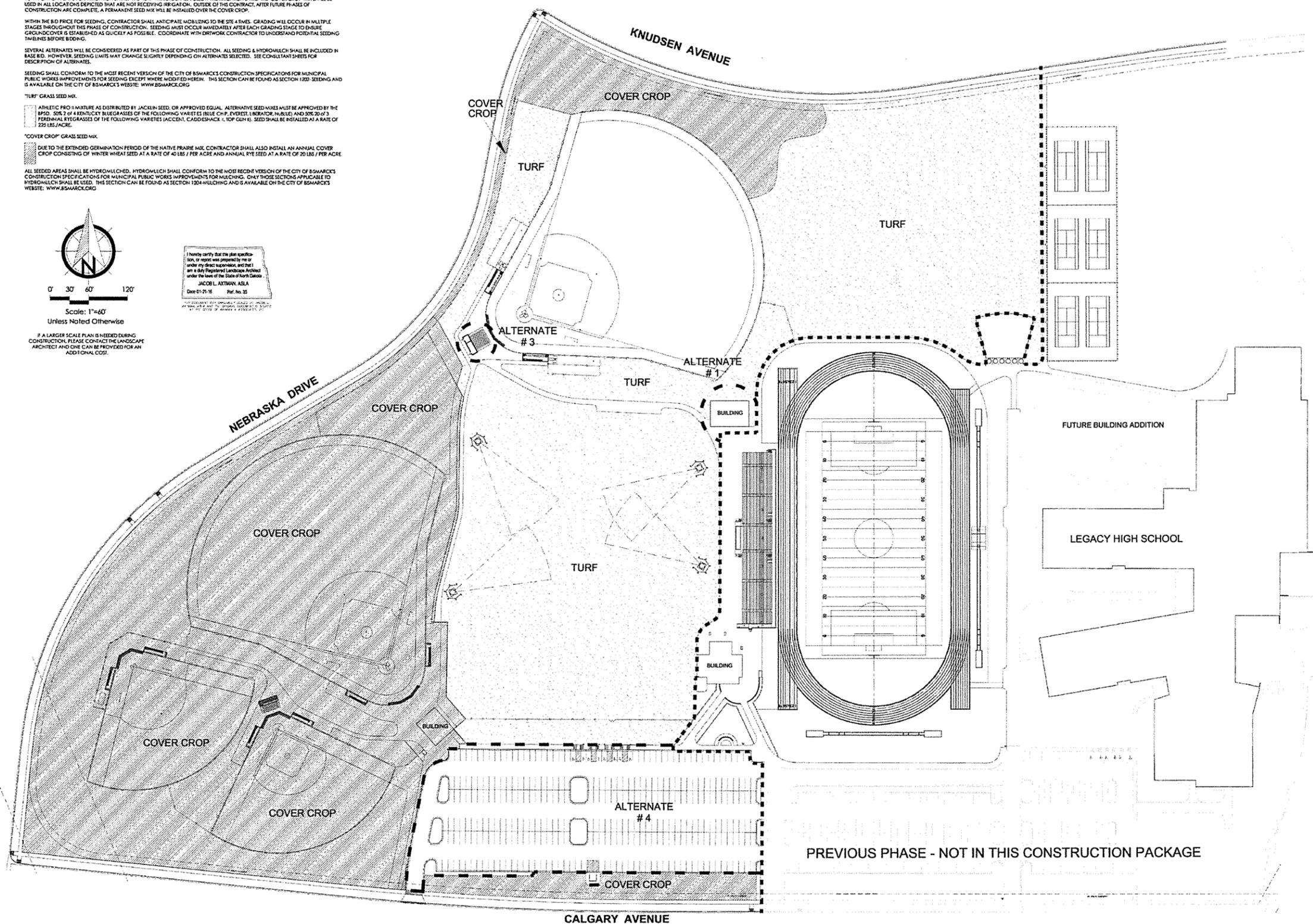
DOE TO THE EXTENDED GERMINATION PERIOD OF THE NATIVE PRAIRIE MIX, CONTRACTOR SHALL ALSO INSTALL AN ANNUAL COVER CROP CONSISTING OF WINTER WHEAT SEED AT A RATE OF 40 LBS / PER ACRE AND ANNUAL RYE SEED AT A RATE OF 20 LBS / PER ACRE.

ALL SEEDED AREAS SHALL BE HYDROMULCHED. HYDROMULCH SHALL CONFORM TO THE MOST RECENT VERSION OF THE CITY OF BISMARCK'S CONSTRUCTION SPECIFICATIONS FOR MUNICIPAL PUBLIC WORKS IMPROVEMENTS FOR MULCHING. ONLY THOSE SECTIONS APPLICABLE TO HYDROMULCH SHALL BE USED. THIS SECTION CAN BE FOUND AS SECTION 1204-MULCHING AND IS AVAILABLE ON THE CITY OF BISMARCK'S WEBSITE: WWW.BISMARCK.ORG



I hereby certify that the 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 North Dakota.
JACOB L. AXTMAN, ASLA
Date: 01-21-16 Ref. No. 35

IF A LARGER SCALE PLAN IS NEEDED DURING CONSTRUCTION, PLEASE CONTACT THE LANDSCAPE ARCHITECT AND ONE CAN BE PROVIDED FOR AN ADDITIONAL COST.



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BASE BID SEEDING PLAN

L3.0