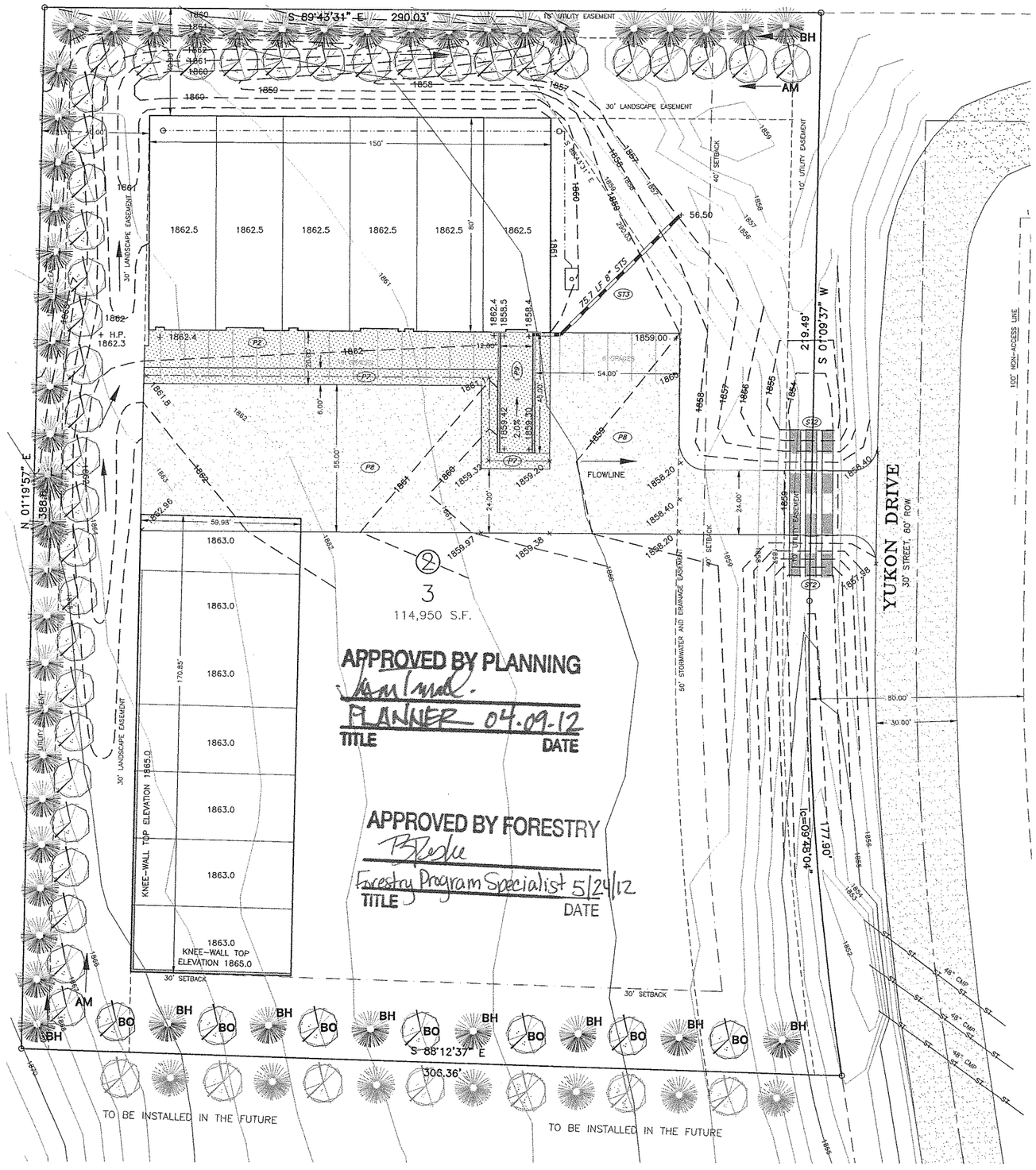


APPROVED BY PLANNING
Jan Lund
PLANNER 04-09-12
TITLE DATE

APPROVED BY FORESTRY
B Kerbe
Forestry Program Specialist 5/24/12
TITLE DATE

PAVEMENT

P1 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.

P2 5" UNREINFORCED CONCRETE ON 6" OF SUBGRADE PREPARATION – CONCRETE APRON.

P3 ISOLATION JOINTS WILL BE REQUIRED ALONG THE BUILDING, STOOPS AND ALL FIXED ITEMS. LEAVE JOINT ½" LOW AND SEAL. ISOLATION JOINTS SHALL BE SEALED USING A ONE PART POLYURETHANE TYPE SEALANT.

P4 CONSTRUCTION JOINTS WILL BE PLACED TO COINCIDE WITH CONTRACTION JOINT SPACING. CONSTRUCTION JOINT FOR UNREINFORCED CONCRETE SHALL HAVE A MINIMUM 1½" DIAMETER HALF ROUND KEYWAY OR APPROVED EQUAL. CONSTRUCTION JOINTS FOR REINFORCED CONCRETE SHALL BE 1/2" X 12" DOWELS AT 12 O/C.

P5 JOINT SPACING SHALL TYPICALLY BE SPACED AT 1–1/2 TIMES THE THICKNESS OF THE PAVEMENT (MEASURED IN INCHES) IN FEET (4" SDWK EQUALS 6 FOOT SPACING). IN NO CASE SHALL THE JOINT SPACING EXCEED TWO TIMES THE THICKNESS.

P6 SUBGRADE PREPARATION UNDER AREAS TO BE PAVED SHALL BE 6" THICK AND SHALL COMPLY WITH CITY OF BISMARCK SPECIFICATIONS EXCEPT DENSITY SHALL BE 95% OF ASTM D 698.

P7 CONCRETE VALLEY GUTTER PER DETAILS THIS PAGE.

P8 5" FULL DEPTH ASPHALT SHALL CONFORM TO CLASS B PAVING AS SPECIFIED BY CITY OF BISMARCK CONSTRUCTION SPECIFICATIONS.

P9 CONCRETE LOADING DOCK.

STORM SEWER NOTES

ST1 MATERIALS AND CONSTRUCTION METHODS SHALL COMPLY WITH THE CITY OF BISMARCK SPECIFICATIONS. BACKFILL SHALL BE CLASS 'A' UNLESS OTHERWISE NOTED.

ST2 INSTALL THREE PARALLEL 55.0 LF 48" CMP CULVERTS 6 FEET ON CENTER. DOWNSTREAM INV. 53.28. UPSTREAM INV. 53.83.

ST3 OUTFALL; INV. 56.50. INSTALL 63.0 LF 8" STORM SEWER @ 2.603% & 8" 45° BEND; INV. 58.14. INSTALL 10.4 LF 8" STORM SEWER & NEENAH R–4385 GRATE; INV. 58.4. (SEE LOADING DOCK DRAIN DETAIL)

WATER NOTES

W1 WATER SERVICE CONNECTION SHALL BE COORDINATED WITH THE SOUTH CENTRAL REGIONAL WATER DISTRICT

PLANT PALETTE

SYM.	COMMON NAME	SCIENTIFIC NAME	SIZE	QNTY.
BH	BLACK HILLS SPRUCE	*Picea glauca var. densata*	4' +	47
AM	AMUR MAPLE	*Acer ginnala*	1" Col.	38
BO	BUR OAK	*Quercus macrocarpa*	2" Col.	7

GENERAL LANDSCAPING NOTES FOR ALL SHEETS

L1 ALL CONTRACTORS WISHING TO SUBMIT BIDS FOR THIS LANDSCAPING PROJECT SHALL BE RESPONSIBLE FOR FIELD VERIFYING ALL CONDITIONS.

L2 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.

L3 DAMAGE THAT OCCURS TO PLANTS DURING TRANSPORTATION AND INSTALLATION WILL BE THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR.

L4 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.

L5 SOLITARY TREES DO NOT NEED TO BE EDGED AROUND, HOWEVER ORGANIC WOOD MULCH SHALL BE PLACED AROUND THE TREE IN A MUTTLE RING THAT CONFORMS TO THE DETAIL PROVIDED FOR TREE PLANTINGS.

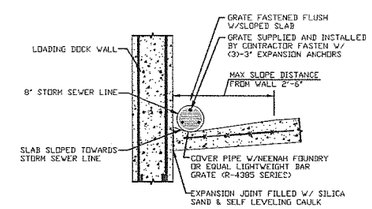
L6 CONTRACTOR SHALL PROVIDE WRITTEN WARRANTIES CONFIRMING THE FOLLOWING:

FURNISHED TREES GUARANTEED TO LIVE AND REMAIN STRONG, VIGOROUS, AND HEALTHY CONDITION FOR 365 DAYS MINIMUM FROM DATE LANDSCAPE INSTALLATION IS ACCEPTED AS COMPLETED.

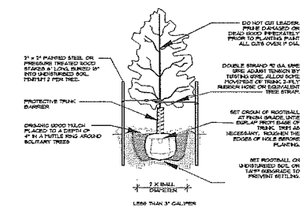
L7 LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR WATERING AND CARING FOR ALL PLANT MATERIAL UNTIL THE DATE OF FINAL INSPECTION AND APPROVAL.

L8 A BERM SHALL BE CONSTRUCTED ALONG THE NORTH AND WEST SIDES OF THE PROPERTY. IT SHALL BE A MINIMUM OF 3' HIGH WHEN MEASURED FROM THE BOTTOM OF THE DRAINAGE SWALE FLOWLINE.

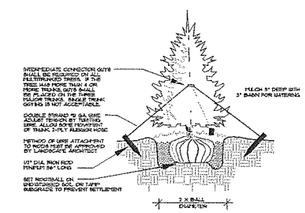
L9 ALL PORTIONS OF THE SITE NOT RECEIVING OTHER IMPROVEMENTS SHALL BE SEEDED ACCORDING TO THE CITY OF BISMARCK SPECIFICATIONS FOR CLASS IV SEED.



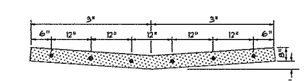
LOADING DOCK DRAIN DETAIL
NOT TO SCALE



TREE PLANTING DETAIL
NTS
TYPICAL FOR ALL DECIDUOUS, SINGLE-TRUNK TREES



EVERGREEN PLANTING DETAIL
NTS
TYPICAL FOR ALL MULTI-TRUNKED & EVERGREEN TREES



VALLEY GUTTER DETAIL
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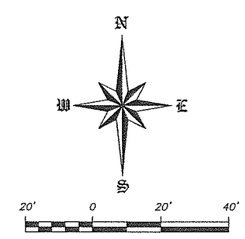

SCALE – 1"=20'
NGVD 29 DATUM
NOVEMBER 30, 2011
REVISED: JANUARY 24, 2012

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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 agrees 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.

REVISION	DATE
Easements, parking, and misc. edited	12/27/11
Extended loading dock, hide layout	1/11/12
Added more trees per city comments	1/24/12

SITE PLAN
LOT 3 BLOCK 2 STATE STREET OFFICE PARK
BISMARCK, NORTH DAKOTA

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SHEET
C2.0