

**GENERAL LANDSCAPING NOTES FOR ALL SHEETS**

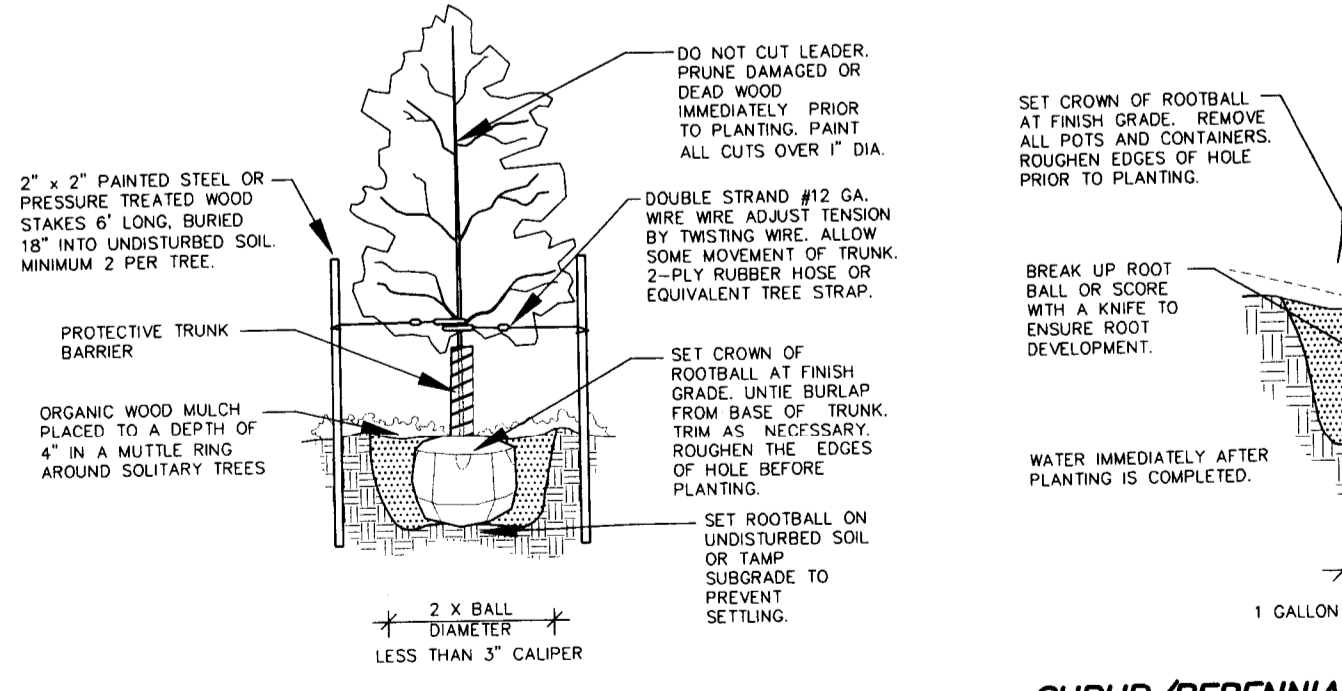
- 1. ALL CONTRACTORS WISHING TO SUBMIT BIDS FOR THIS LANDSCAPING PROJECT SHALL BE RESPONSIBLE FOR FIELD VERIFYING ALL CONDITIONS.
- 2. PROTECT THE IMPROVEMENTS ON SITE AND ON THE ADJOINING PROPERTIES. PROVIDE BARRICADES, COVERINGS OR OTHER TYPE OF PROTECTION AS NECESSARY TO PREVENT DAMAGE AND TO SAFEGUARD AGAINST INJURY TO EXISTING UTILITIES.
- 3. DAMAGE THAT OCCURS TO PLANTS DURING TRANSPORTATION AND INSTALLATION WILL BE THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR.
- 4. ALL PLANTING BEDS SHALL BE INSTALLED WITH 3" OF 2" CRUSHED ROCK MULCH, LANDSCAPE FABRIC WITH A MINIMUM WEIGHT OF 4 OZ./SQ. YD. AND WHEREVER NECESSARY, 6" COMMERCIAL GRADE BLACK PLASTIC EDGING TO CONTAIN THE PLANTING BED.
- 5. 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.
- 6. SOLITARY TREES DO NOT NEED TO BE EDGED AROUND, HOWEVER ORGANIC WOOD MULCH SHALL BE PLACED AROUND THE TREE IN A MATTLE RING THAT CONFORMS TO THE DETAIL PROVIDED FOR TREE PLANTINGS.
- 7. CONTRACTOR SHALL PROVIDE WRITTEN WARRANTIES CONFIRMING THE FOLLOWING:  
 7.1 AND 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 SEEDED ACCORDING TO SPECIFICATIONS.  
 7.2 ALL IMPORTED TOPSOIL SHALL BE NATURAL, FRIABLE, FERTILE, FINE, SANDY-LOAM TOPSOIL. IT SHALL BE FREE FROM SUBSOIL, NOXIOUS WEEDS, STONES, LIME, CEMENT, ASHES, SLAG, OR OTHER DELETERIOUS MATTER.  
 7.3 TOPSOIL SHALL BE PLACED AND SEEDED AS SOON AS PRACTICAL TO MINIMIZE WIND AND WATER EROSION. BACKFILL BEHIND CURB AND GUTTERS AND SIDEWALK AS SOON AS REASONABLE TO PREVENT STANDING WATER AND PROTECT THE IMPROVEMENTS.

**TOPSOIL NOTES**

- 1. ANY TOPSOIL STOCKPILED ON SITE SHALL BE AVAILABLE FOR THE LANDSCAPE CONTRACTOR TO SPREAD AND 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 SEEDED ACCORDING TO SPECIFICATIONS.
- 2. ALL IMPORTED TOPSOIL SHALL BE NATURAL, FRIABLE, FERTILE, FINE, SANDY-LOAM TOPSOIL. IT SHALL BE FREE FROM SUBSOIL, NOXIOUS WEEDS, STONES, LIME, CEMENT, ASHES, SLAG, OR OTHER DELETERIOUS MATTER.
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**PLANT PALETTE**

SYM.	COMMON NAME	SCIENTIFIC NAME	SIZE	QNTY.
TL	IVORY SILK TREE LILAC	Syringa reticulata 'Ivory Silk'	1 1/2" Cal.	13
DK	DWARF KOREAN LILAC	Syringa meyeri 'Palibin'	2 Gallon	31
AC	ALPINE CURRANT	Ribes alpinum	2 Gallon	36



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

- 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 ASPHALT PAVING SHALL BE CLASS 'B' PER CITY OF BISMARCK SPECIFICATIONS. NO SEAL COAT IS REQUIRED UNLESS THERE IS A COURSE ASPHALT SURFACE THAT WOULD ALLOW AIR AND WATER TO RAVEL THE SURFACE EARLIER THAN NORMAL WEAR.
  - P3 STANDARD VERTICAL FACE CURB AND GUTTER. SEE DETAIL.
  - P4 CITY SIDEWALK PER CITY OF BISMARCK SPECIFICATIONS - THICKEN SIDEWALK AT DRIVEWAYS TO 8" AND PROVIDE KEYWAY PER CITY SPECIFICATIONS.
  - P5 4" UNREINFORCED CONCRETE.
  - P6 4 1/2" FULL DEPTH ASPHALT OR 5" CONCRETE ALTERNATE. SEE DETAILS.
  - P7 ISOLATION JOINTS WILL BE REQUIRED ALONG THE BUILDING, STOODS AND ALL FIXED ITEMS. LEAVE JOINT 1/8" LOW AND SEAL. ISOLATION JOINTS SHALL BE SEALED USING A ONE PART POLYURETHANE TYPE SEALANT.

**SIGNAGE AND STRIPING**

- SS1 STRIPING SHALL BE 4" WIDE NON REFLECTORIZED PAINT MEETING THE REQUIREMENTS OF AASHTO M28 APPLIED AT A RATE OF 110 SQUARE FEET PER GALLON. COLOR SHALL BE YELLOW. TYPICAL FOR ALL STRIPING UNLESS OTHERWISE NOTED.
- SS2 ADA STRIPING FOR LANES AND SYMBOLS SHALL BE BLUE PAINT MEETING THE REQUIREMENT OF AASHTO M28 APPLIED AT A RATE OF 110 SQUARE FEET PER GALLON. PAINT FACE AND TOP OF CURB (6" WIDE) IN FRONT OF ALL HANDICAP STALLS.
- SS3 PROVIDE AND INSTALL ADA SIGNS AND POSTS.

**SANITARY SEWER SERVICE**

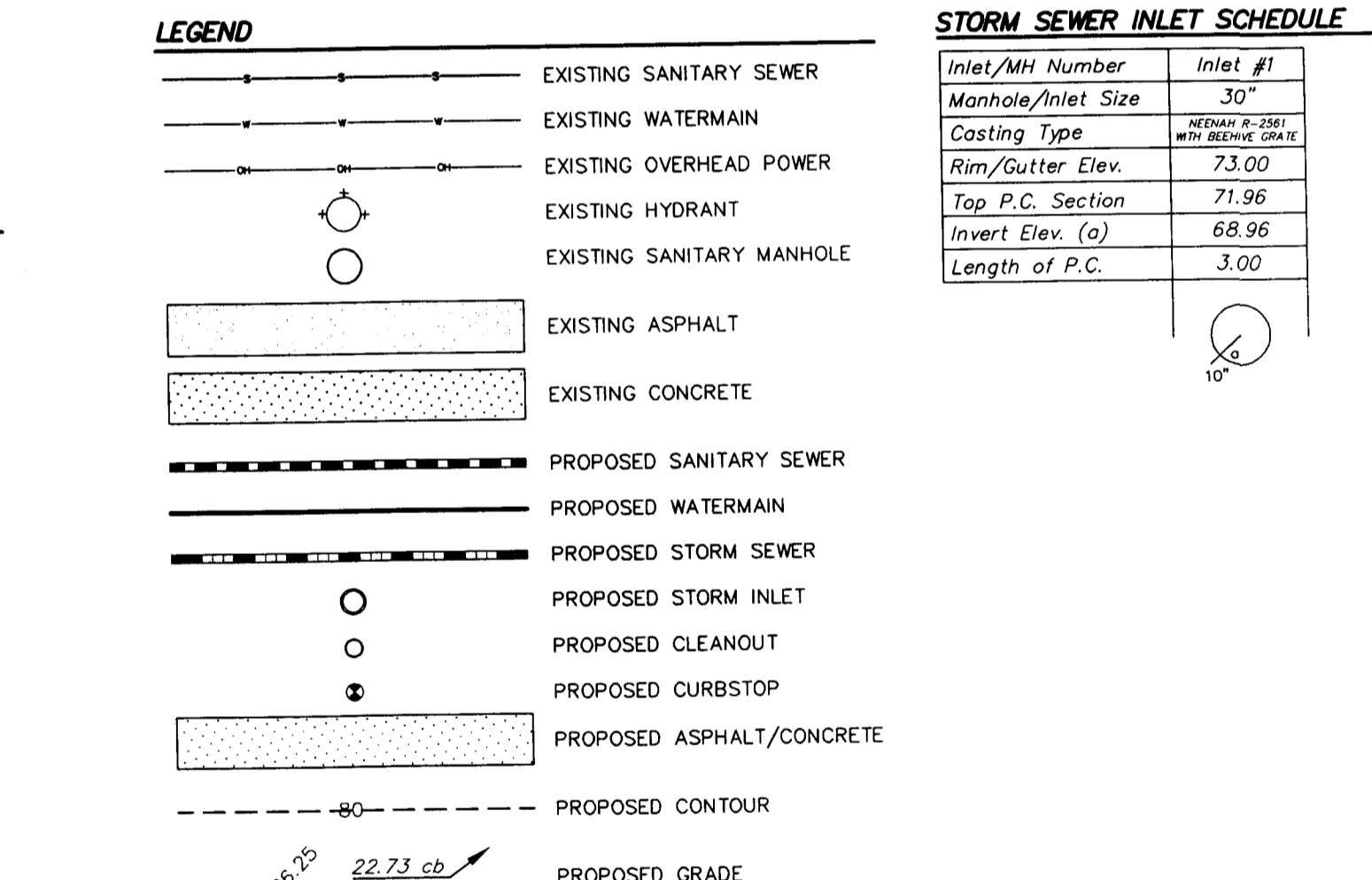
- S1 MATERIALS AND CONSTRUCTION METHODS SHALL COMPLY WITH CITY OF BISMARCK SPECIFICATIONS. BACKFILL SHALL BE CLASS A UNLESS OTHERWISE NOTED.
- S2 CONNECT INTO EXISTING 12" SANITARY SEWER WITH 4" INSERTA TEE; APPROXIMATE INV. 60.75. INSTALL 33.75 LF 4" SANITARY SEWER @ 16.9878% AND 11.25' BEND; INV. 66.48.
- S3 INSTALL 66.27 LF 4" SANITARY SEWER SERVICE @ 5.8850% AND 4" CLEANOUT; INV. 70.38.
- S4 INSTALL 100.00 LF 4" SANITARY SEWER SERVICE @ 2.6200% AND 4" CLEANOUT; INV. 73.00.
- S5 INSTALL 26.66 LF 4" SANITARY SEWER SERVICE @ 2.6250% AND TEMPORARY CAP; INV. 73.70.

**WATERMAIN**

- W1 MATERIALS AND CONSTRUCTION METHODS SHALL COMPLY WITH CITY OF BISMARCK SPECIFICATIONS. ALL BACKFILL SHALL BE 95% OF STANDARD PROCTOR AT RECOMMENDED MOISTURE CONTENT. WATERLINES SHALL BE CHLORINATED, PRESSURE TESTED AND FLUSHED. TESTING IS CONSIDERED INCIDENTAL. ALL WATER MAIN SECTIONS SHALL HAVE A MINIMUM 8.0 FEET OF COVER.
- W2 CONNECT TO EXISTING 20" WATERMAIN WITH 20" x 1-1/2" TAPPING SLEEVE. VERIFY INVERT IN FIELD.
- W3 INSTALL 57.40 LF 1-1/2" WATER SERVICE AND INSTALL CURBSTOP.
- W4 INSTALL 185.00 LF 1-1/2" WATER SERVICE WITH TEMPORARY CAP; INV. 76.00.
- W5 WATER SERVICE SIZING MAY NEED TO BE ADJUSTED TO MEET FIRE SUPPRESSION SYSTEM SIZING REQUIREMENTS.

**STORM SEWER**

- ST-1 MATERIALS AND CONSTRUCTION METHODS SHALL COMPLY WITH THE CITY OF BISMARCK SPECIFICATIONS. BACKFILL SHALL BE CLASS 'A' UNLESS OTHERWISE NOTED.
- ST-2 BREAK INTO EXISTING INLET; INV. 68.50. INSTALL 12.25 LF 10" STORM SEWER AT 0.8980% AND 45' BEND; INV. 68.61.
- ST-3 INSTALL 40.10 LF 10" STORM SEWER AT 0.8728% AND 30" INLET #1; INV. 68.96; RIM 73.00



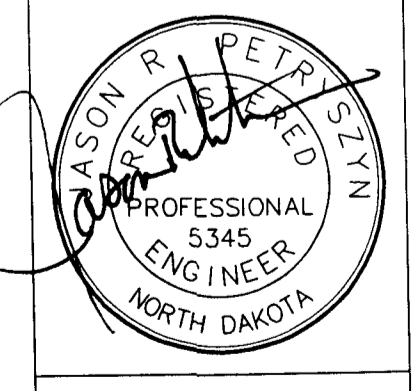
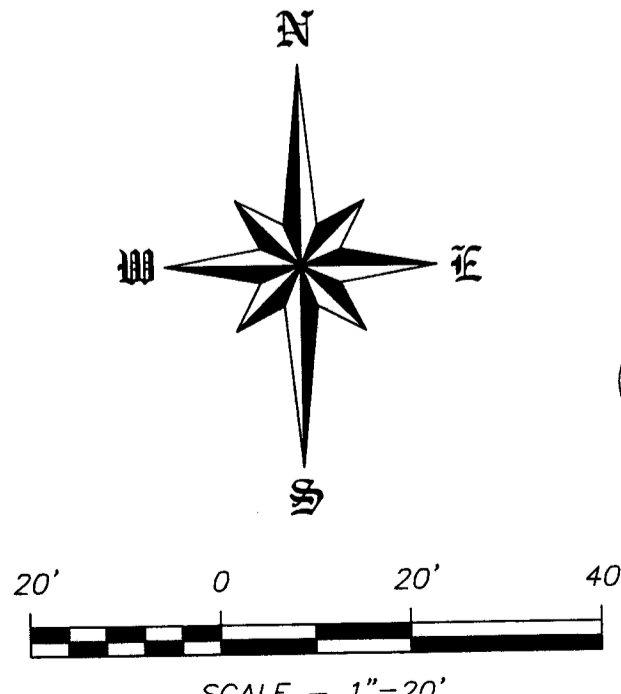
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In accordance with generally accepted construction practices the contractor will be solely and completely responsible for the safety of all persons and property during performance of the work. This requirement will apply continuously and not be limited to normal business hours.

**WARRANTY / DISCLAIMER**  
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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.

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UTILITIES UNDERGROUND LOCATION SERVICE  
1-800-795-0555



SWENSON HAGEN & CO.

**DATE:** \_\_\_\_\_

**REVISION:**

**SITE PLAN**  
PAN-O-GOLD BAKING CO.  
LOT 1 LESS EAST 175.50' BLOCK 1  
ARIZONA COMMERCIAL ADDITION  
BISMARCK, NORTH DAKOTA

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Civil Engineering  
Landscape Management

**AS**  
DRAWN BY: CK  
CHECK BY: JP  
DATE: 3/4/2013  
FILE DESC: ARIZONA COMMERCIAL  
COMPUTER FILE: LOT 1 SITE PLAN  
SURVEY FILE: \_\_\_\_\_

**SHEET**  
C2.0

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