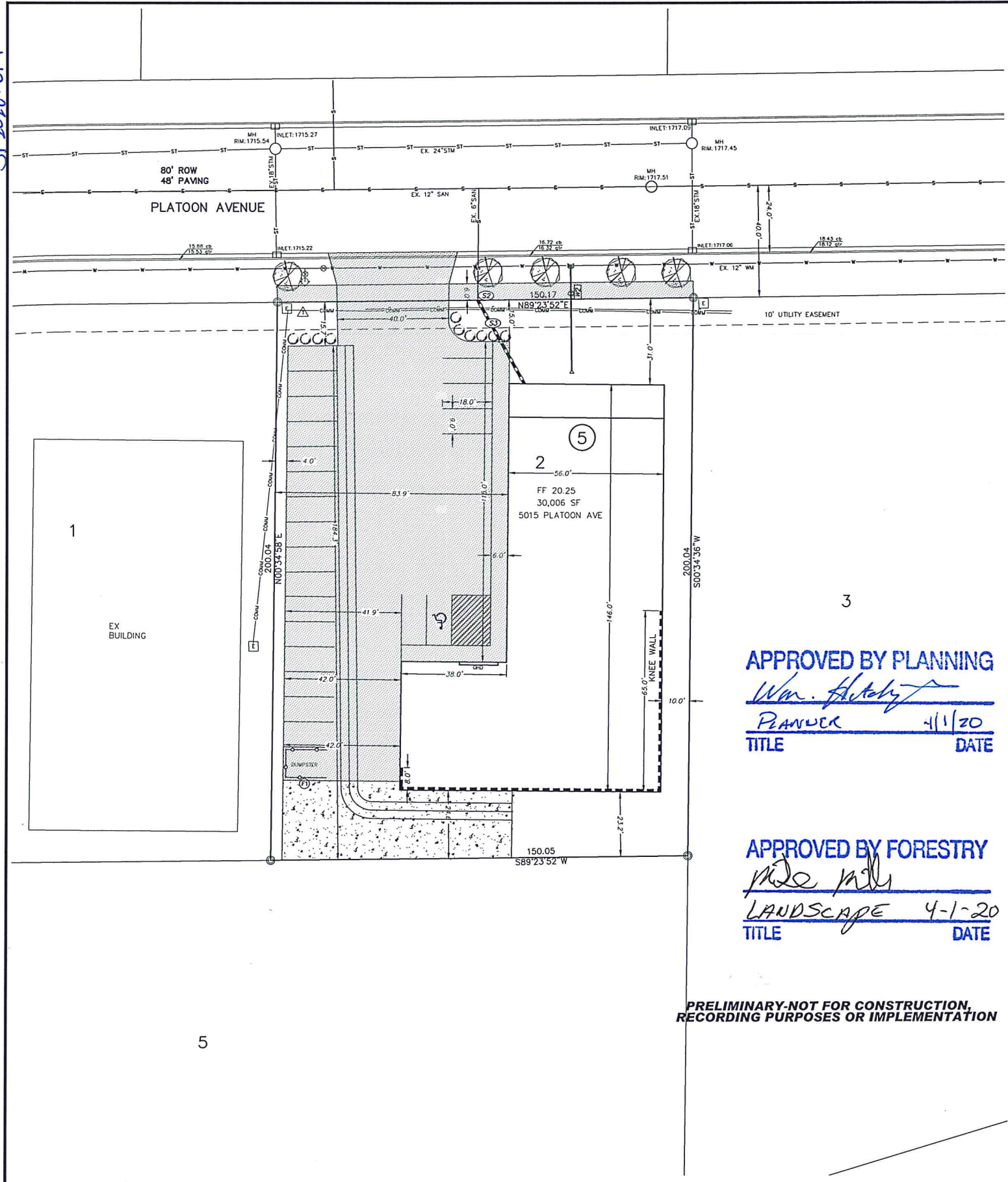


SP2020-019



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 WHERE 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. 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 MUTILLE RING THAT CONFORMS TO THE DETAIL PROVIDED FOR TREE PLANTINGS.
- 7. 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.
- 8. LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR WATERING AND CARING FOR ALL PLANT MATERIAL, AND OTHER LANDSCAPING IMPROVEMENTS UNTIL THE DATE OF FINAL INSPECTION AND APPROVAL.

TOPSOIL NOTES

- 1. 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. TOPSOIL SHALL BE PLACED AND SEEDED AS SOON AS PRACTICAL TO MINIMIZE WIND AND WATER EROSION. BACKFILL GERING CURB AND CUTTERS AND SIDEWALK AS SOON AS REASONABLE TO PREVENT STANDING WATER AND PROTECT THE IMPROVEMENTS.

SEEDING NOTES

- 1. 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.
- 2. 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.
- 3. 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 REPACKED IMMEDIATELY AFTER THE SEED IS APPLIED TO FIRM THE SOIL AROUND THE SEED. NO SEED SHALL BE PLACED ON DUES WHERE THE WIND IS STRONG ENOUGH TO PREVENT IT FROM BEING PROPERLY IMBEDDED INTO THE SOIL.
- 4. SEED MUST SHOW A DENSITY OF 20 TO 30 SEEDLINGS PER SQUARE FOOT BEFORE ACCEPTANCE WILL OCCUR. THE CONTRACTOR SHALL FURNISH AND REPLACE WITHOUT ADDITIONAL COMPENSATION THEREFORE, ANY SEED FOR AREAS THAT HAVE NOT GERMINATED, HAVE DIED, OR ARE DAMAGED TO THE EXTENT THAT REPLACEMENT IS REQUIRED TO CONFORM TO THE REQUIREMENTS OUTLINED ABOVE. THE CONTRACT WARRANTY PERIOD SHALL ALSO APPLY TO THIS ITEM.
- 5. CONTRACTOR SHALL BE RESPONSIBLE TO REPAIR ANY EROSION SCARS OR WASHOUTS UNTIL THE DATE THAT FINAL SEED STAND IS ACCEPTED. SEE EROSION CONTROL PLAN FOR EROSION CONTROL METHODS.

LANDSCAPING REQUIREMENTS

REQUIRED INTERIOR LANDSCAPING: NONE	PROVIDED INTERIOR LANDSCAPING: NONE
REQUIRED STREET TREES: 3 PER 100 FEET = 5 TREES	PROVIDED STREET TREES: 5 TREES
REQUIRED PERIMETER PARKING: LESS THAN 100 SPACES = 4 FOOT WIDTH CONTINUOUS HEDGE	PROVIDED PERIMETER PARKING: 4 FOOT WIDTH CONTINUOUS HEDGE

PLANT PALETTE

TREES	SYM.	COMMON NAME	SCIENTIFIC NAME	SIZE	QTY.
	CE	CATHEDRAL ELM	Ulmus 'cathedral'	2" Col.	5
SHRUBS	AL	ALPINE CURRANT	Ribes alpinum	2 Gallon	23

LEGEND

- S— EXISTING SANITARY SEWER
- W— EXISTING WATERMAIN
- ST— EXISTING STORM SEWER
- G— EXISTING UNDERGROUND GAS
- COM— EXISTING UNDERGROUND COMMUNICATION
- □ EXISTING MANHOLE
- △ □ EXISTING UTILITY RISER—VAULT
- ◇ EXISTING VALVE
- ◇ EXISTING FIRE HYDRANT
- 1000— EXISTING CONTOUR
- 63.02' 22.48' cb 21.50' gtr EXISTING GRADE
- ▨ PROPOSED REMOVALS
- S— PROPOSED SANITARY SEWER
- W— PROPOSED WATERMAIN
- ST— PROPOSED STORM SEWER
- ▨ PROPOSED CONCRETE
- ▨ PROPOSED GRAVEL
- ▨ PROPOSED RETAINING WALL
- 1000— PROPOSED CONTOUR
- 63.02' 22.00' cb 21.50' gtr PROPOSED GRADE
- ~ ~ ~ PROPOSED EROSION CONTROL
- ○ MONUMENTS

WATERMAIN

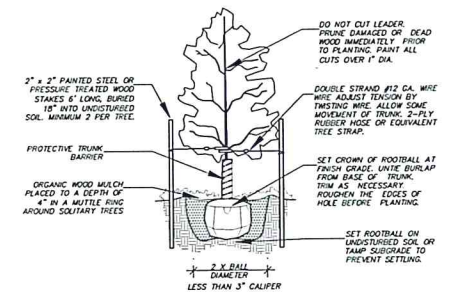
- 1. MATERIALS AND CONSTRUCTION METHODS SHALL COMPLY WITH CITY OF BISMARCK SPECIFICATIONS. BACKFILL SHALL BE CLASS A. WATERLINES SHALL BE CHLORINATED, PRESSURE TESTED AND FLUSHED. TESTING IS CONSIDERED INCIDENTAL.
- 2. CONNECT TO EXISTING 12" WATERMAIN WITH 12"x1.5" TAPPING SADDLE (INV. 08.65) INSTALL 10 LF OF 1.5" WATER SERVE AND INSTALL 1.5" CURBSTOP. INSTALL 27.45 LF OF 1.5" WATER SERVE TO BUILDING AND CAP, INV. 12.00.
- 3. COORDINATE WITH MECHANICAL CONTRACTOR FOR ELEVATION AND LOCATION OF CONNECTION INTO THE BUILDING.

SANITARY SEWER

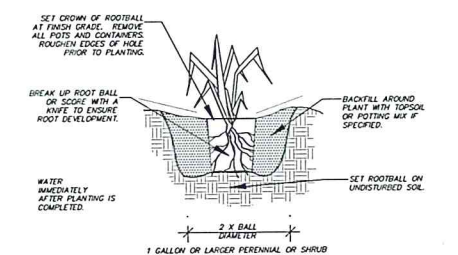
- 1. MATERIALS AND CONSTRUCTION METHODS SHALL COMPLY WITH CITY OF BISMARCK SPECIFICATIONS. BACKFILL SHALL BE CLASS A. TESTING IS CONSIDERED INCIDENTAL. ONE AND A HALF FEET OF SEPARATION SHALL BE MAINTAINED BETWEEN WATER AND SEWER SERVICES.
- 2. CONNECT TO EXISTING 6" SANITARY SEWER INV. 05.65
- 3. INSTALL 22.5' BEND AND 34.54 LF 6" SANITARY SEWER @ 10.0000% AND 6" WYE, INV. 09.25
- 4. COORDINATE WITH MECHANICAL CONTRACTOR FOR LOCATION AND ELEVATION OF CONNECTION INTO BUILDING.

FENCING NOTES

- 1. A 6" HIGH OPAQUE VINYL FENCE WITH SWING GATE OPENING TO THE SOUTHEAST SHALL BE INSTALLED WHERE DEPICTED ON THE PLANS.



TYPICAL FOR ALL DECIDUOUS, SINGLE-TRUNK, TREES NTS



TYPICAL FOR ALL SHRUBS AND PERENNIALS NTS

APPROVED BY PLANNING
Wm. Hately
PLANNER
TITLE
4/1/20
DATE

APPROVED BY FORESTRY
Mike Miller
LANDSCAPE
TITLE
4-1-20
DATE

PRELIMINARY-NOT FOR CONSTRUCTION,
RECORDING PURPOSES OR IMPLEMENTATION

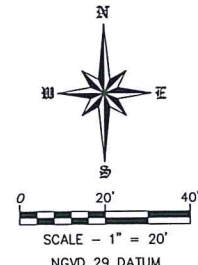
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In accordance with generally accepted construction practices the contractor will be solely and completely responsible for the conditions of the job site, including safety of all persons and property during performance of the work. This requirement 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 agree 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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DATE
4-8-20

REVISIONS
REVISED PER CITY COMMENTS

DIMENSION, UTILITY & LANDSCAPING PLAN
LOT 2 BLOCK 5 EAST DIVIDE INDUSTRIAL PARK ADDITION

SWENSON, HAGEN & COMPANY P.C.
2901 Basin Avenue
Bismarck, North Dakota 58504
Phone: (701) 223-2800
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SI & Co.
Surveying
Hydrology
Planning
Civil Engineering
Landscape & Site Design
Construction Management

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DATE: 03-17-20
PROJ. #:
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SHEET C3.0