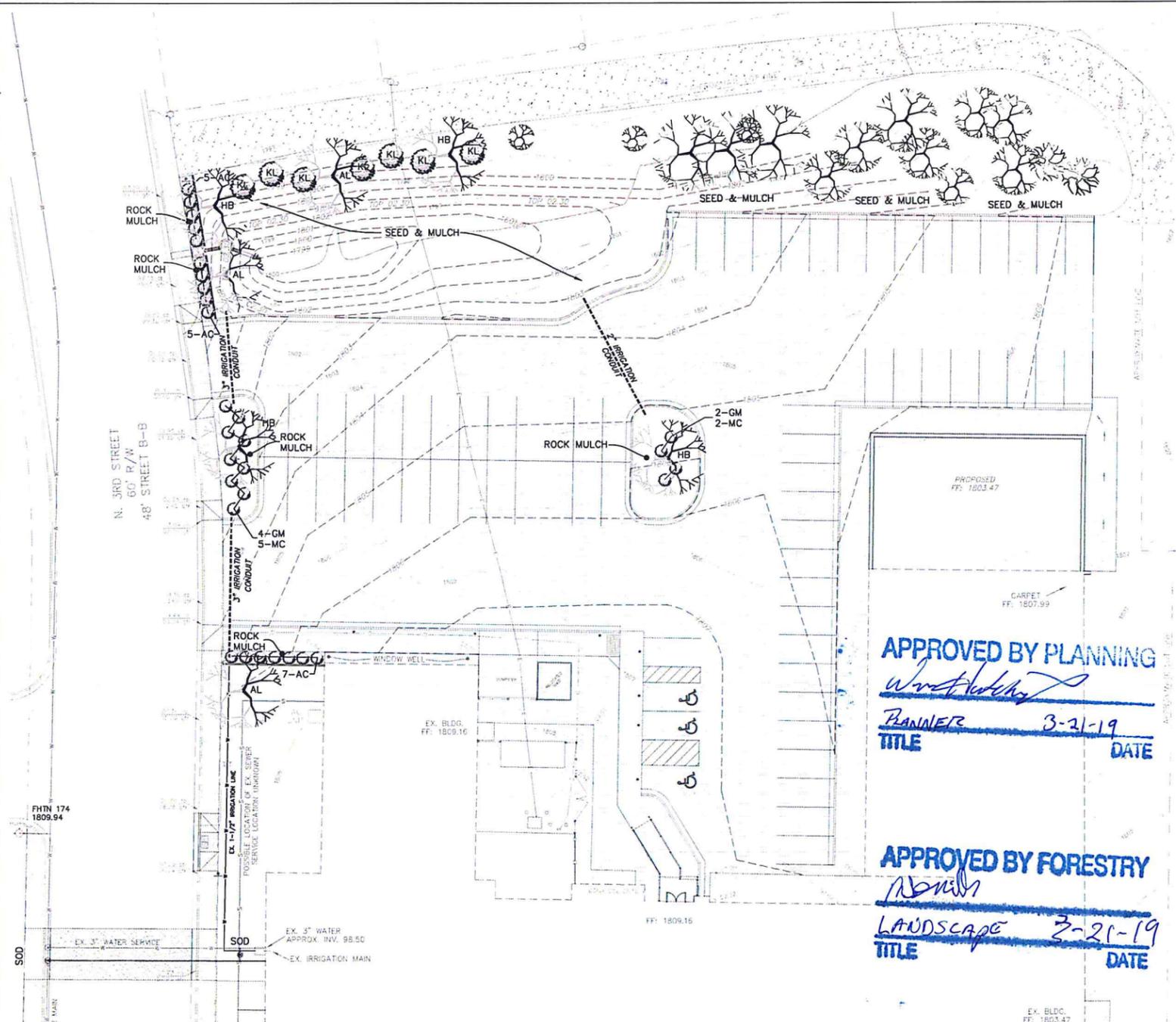


SP2019-009



- PROTECTION OF EXISTING TREES**
 CONTRACTOR SHALL PROTECT EXISTING TREES DURING CONSTRUCTION AS OUTLINED IN SECTION 13-02-11 OF THE CITY CODE OF ORDINANCES.
- GENERAL LANDSCAPING NOTES FOR ALL SHEETS**
 ALL CONTRACTORS BIDDING FOR THIS LANDSCAPING PROJECT SHALL BE RESPONSIBLE FOR FIELD VERIFYING ALL CONDITIONS.
 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.
 ALL PLANTING BEDS SHALL BE INSTALLED WITH 3" OF 5/8" 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.
 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.
 SOLITARY TREES DO NOT NEED TO BE EGED AROUND, HOWEVER ORGANIC WOOD MULCH SHALL BE PLACED AROUND THE TREE IN A MUTILLE RING THAT CONFORMS TO THE DETAIL PROVIDED FOR TREE PLANTINGS.
 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.
 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**
 TOPSOIL CAN BE STOCKPILED ON SITE. THE LANDSCAPE CONTRACTOR WILL BE REQUIRED TO SPREAD AND FINISH GRADE. ALL PORTIONS OF THE SITE NOT RECEIVING CONCRETE, CURB & CUTTER 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 BEHIND CURB AND GUTTERS AND SIDEWALK AS SOON AS REASONABLE TO PREVENT STANDING WATER AND PROTECT THE IMPROVEMENTS.
- SODDING NOTES**
 ALL PORTIONS OF THE SITE NOT RECEIVING CONCRETE, PLANTING BEDS, ASPHALT, OR OTHER SITE IMPROVEMENTS ARE TO BE SODDED OR SEEDING AND MULCHED, SEE AREAS DEPICTED ON PLAN.
 MATERIAL:
 SOD SHALL CONSIST OF MOSTLY KENTUCKY BLUE GRASS WITH A LESSER CONSISTENCY OF CREEPING RED FESCUE OR AN APPROVED HARD FESCUE. SOD SHALL HAVE BEEN GROWN IN A USDA PLANT HARDINESS ZONE OF NOT MORE THAN 4. SOD SHALL BE RELATIVELY WEED FREE, SHALL CONTAIN A MINIMUM OF 1.5" OF HEALTHY ROOT AND SOIL MASS, AND SHALL DISPLAY GOOD BLADE DEVELOPMENT AND COLOR. SOD SHALL BE STRONG ENOUGH TO SUPPORT ITS OWN WEIGHT AND RETAIN SIZE AND SHAPE WHEN SUSPENDED VERTICALLY FROM A FIRM GRASP ON THE UPPER 10 PERCENT OF THE SECTION.
 INSTALLATION:
 THE FIRST ROW OF TURFGRASS SOD SHALL BE LAID IN A STRAIGHT LINE, WITH SUBSEQUENT ROWS PLACED PARALLEL TO, AND TIGHTLY AGAINST, EACH OTHER. LATERAL JOINTS SHALL BE STAGGERED TO PROMOTE MORE UNIFORM GROWTH AND STRENGTH. CARE SHALL BE EXERCISED TO INSURE THAT THE TURF IS NOT STRETCHED OR OVERLAPPED, AND THAT ALL JOINTS ARE BUTTED TIGHT IN ORDER TO PREVENT WINDS WHICH WOULD CAUSE AIR-DRYING OF THE ROOTS. SOD SHALL NOT BE CUT INTO PIECES LESS THAN 6" WIDE IN ANY DIRECTION. SOD IS TO BE WATERED BY THE LANDSCAPE CONTRACTOR ON THE SAME DAY THAT INSTALLATION OCCURS.
- SEEDING NOTES**
 SEEDING SHALL CONFORM TO THE MOST RECENT VERSION OF THE CITY OF BISMARCK CONSTRUCTION SPECIFICATIONS FOR MUNICIPAL PUBLIC WORKS IMPROVEMENTS FOR SEEDING EXCEPT WHERE MODIFIED HEREIN.
 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.
 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.
 SEED SHALL BE CLASS II PER CITY OF BISMARCK SPECIFICATIONS AND 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 FIRM 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 MUST SHOW A DENSITY OF 20 TO 30 SEEDINGS 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.
 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.
 ALL PORTIONS OF THE SITE THAT ARE TO BE SEEDING SHALL BE HYDROMULCHED. HYDROMULCH SHALL BE A WOOD CELLULOSE FIBER MULCH. MULCH SHALL BE FREE OF GERMINATION OR GROWTH INHIBITIVE SUBSTANCES, AS WELL AS ANY NOXIOUS WEED SEED. MULCH SHALL BE TREATED WITH A TACK AND FIBER TO ENHANCE SEED AND MULCH PLACEMENT AND ADHERENCE TO THE SOIL. THE HYDROMULCH SHALL BE APPLIED AT A RATE OF 2000 LBS/ACRE USING HYDRAULIC SPRAY EQUIPMENT.
- IRRIGATION**
 CURRENTLY THERE IS IRRIGATION LOCATED ON THE WEST SIDE OF THE SCHOOL AND NORTH OF THE PARKING LOT.
 CONTRACTOR SHALL CAP EXISTING IRRIGATION SOUTH OF THE SOUTH DRIVEWAY AND PROVIDE CONDUITS BELOW DRIVEWAYS AND TO INTERIOR LANDSCAPE ISLAND FOR FUTURE IRRIGATION.
 CONTRACTOR SHALL ADJUST EXISTING IRRIGATION SOUTH OF SOUTH DRIVEWAY TO PROVIDE ADEQUATE COVERAGE TO PROPOSED IMPROVEMENTS.

APPROVED BY PLANNING
 Planner: [Signature]
 DATE: 3-21-19

APPROVED BY FORESTRY
 Landscape: [Signature]
 DATE: 3-21-19

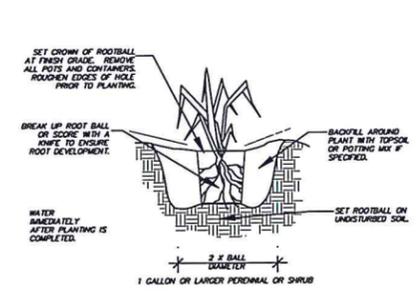
LANDSCAPING REQUIREMENTS

REQUIRED INTERIOR LANDSCAPING: 690 SF 11 SHRUBS 4 SHADE TREES	PROVIDED INTERIOR LANDSCAPING: 715 SF 4 SHRUBS IN LANDSCAPE ISLAND 7 SHRUBS NORTH OF DETENTION POND 1 SHADE TREE IN LANDSCAPE ISLAND 3 SHADE TREES NORTH OF DETENTION POND
REQUIRED STREET TREES: 3 PER 100 FEET = 18 TREES	PROVIDED STREET TREES: 4 TREES
REQUIRED PERIMETER PARKING: CONTINUOUS HEDGE	PROVIDED PERIMETER PARKING: CONTINUOUS HEDGE

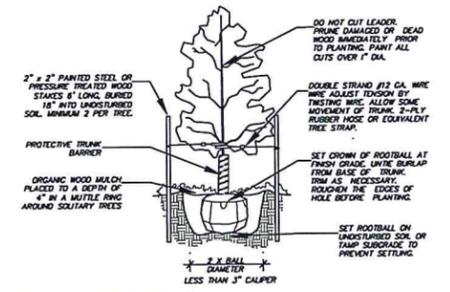
ADJUSTMENTS TO PROVIDED LANDSCAPING WERE DISCUSSED WITH QTY FORESTER ON FEBRUARY 21, 2019.

PLANT PALETTE

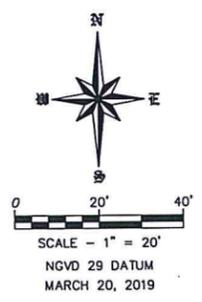
	SYM.	COMMON NAME	SCIENTIFIC NAME	SIZE	QTY.
TREES	HB	COMMON HACKBERRY	<i>Celtis occidentalis</i>	1-1/2" Cal.	4
	AL	AMERICAN LINDEN	<i>Tilia americana</i>	1-1/2" Cal.	3
SHRUBS	GM	GOLD MOUND SPIREA	<i>Spiraea japonica</i> 'Goldmound'	2 Gallon	6
	MC	MAGIC CARPET SPIREA	<i>Spiraea japonica</i> 'Magic Carpet'	2 Gallon	7
	AC	ALPINE CURRANT	<i>Ribes alpinum</i>	2 Gallon	17
	KL	DWARF KOREAN LILAC	<i>Syringa meyeri</i> 'paibin'	2 Gallon	7



SHRUB/PERENNIAL PLANTING DETAIL
 TYPICAL FOR ALL SHRUBS AND PERENNIALS NTS



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



FOR REGULATORY REVIEW ONLY - NOT APPROVED FOR CONSTRUCTION

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 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 agree to be fully responsible for any and all damages which might be occasioned by the Contractor's failure to locate and preserve any and all underground utilities.

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 1-800-795-0555

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SWENSON, HAGEN & COMPANY P.C.
 Surveying, Hydrology, Land Planning, Civil Engineering, Landscape & Site Design, Construction Management
 900 Basin Avenue, Bismarck, North Dakota 58504
 Phone: (701) 221-2000, Fax: (701) 221-2006