F€ÙÜ€Œ **GENERAL NOTES:**

LANDSCAPE GRADING NOTES

1 ALL AREAS SHALL SLOPE TO DRAIN FREELY. NO PONDING OR STANDING WATER CONDITIONS SHALL OCCUR ANYWHERE WITHIN THE SCOPE OF THIS CONTRACT UNLESS SPECIFICALLY DESIGNED TO DO SO

CONTRACTOR SHALL INSTALL ADDITIONAL FIELD DRAINS OR DROP INLETS AS NEEDED TO ALLEVIATE ANY STANDING WATER CONDITIONS

TOP SURFACES OF FURNITURE (BENCHES, TABLES, RECEPTACLES, ETC. SHALL BE LEVEL, EXCEPT AS RECOMMENDED BY THE MANUFACTURER. COORDINATE FOOTING DEPTH AND LOCATIONS TO ACCOUNT FOR THIS, WITHOUT IMPEDING SURFACE FLOW

- SOIL SURFACES SHALL SLOPE TO DRAIN AT A MINIMUM OF 2% AND SHALL BE NO STEEPER THAN 2.1 LAWN SLOPES SHALL NOT EXCEED 3.5.1
 SOIL FINISH GRADES SHALL BE 6" BELOW FINISH FLOOR ELEVATIONS UNLESS DETAILED OTHERWISE, AND 2" BELOW FINISH SURFACES OF ADJACENT PAVEMENTS TO ACCOMMODATE MULCH LAYER AT PLANTING BEDS
- ALL NOTES, CONDITIONS AND SPECIFICATIONS OF THE CIVIL ENGINEER'S UTILITY PLANS ARE APPLICABLE

UTILITY NOTES

1 ALL WORK SHALL BE PERFORMED IN COMPLIANCE WITH APPLICABLE CODES NOTHING IN THESE PLANS SHALL IMPLY OR ALLOW FOR DEVIATION FROM CODE

2 ALL INSTALLATIONS, UTILITY WORK SHALL BE PERFORMED BY CONTRACTORS HOLDING APPROPRIATE LICENSES

3 EQUIPMENT, UTILITIES, OR OTHER ITEMS NOT IDENTIFIED ON THESE DRAWINGS SHALL REMAIN UNDISTURBED IF POSSIBLE ANY ADDITIONAL EQUIPMENT OR UTILITIES ENCOUNTERED WITHIN THE LIMITS OF WORK SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE PRIOR TO CONTINUING WORK IN THAT AREA.

CONTRACTORS SHALL BE RESPONSIBLE FOR KNOWING THE LOCATIONS OF ALL UTILITIES, EQUIPMENT, AND CONDUITS WITHIN THE PROJECT AREA
CONTACT SOUTH DAKOTA ONE CALL NOTIFICATION CENTER 1-800-781-7474 AS NEEDED TO MAINTAIN CLEARLY MARKED LOCATIONS OF ALL UTILITIES WITHIN THE PROJECT AREA
DAMAGES TO EXISTING UTILITIES, EQUIPMENT, IRRIGATION EQUIPMENT AND OTHER PROPERTY SHALL BE RECTIFIED TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE
ALL PIPE AND CONDUIT ROUTES, LOCATIONS AND TRENCH SECTIONS SHALL BE APPROVED BY THE OWNER'S REPRESENTATIVE PRIOR TO COVERING SCHEDULE INSPECTIONS 48 HOURS IN ADVANCE OF BACKFILLING

RESTORE/MAINTAIN ALL EXISTING DRAINAGE PATTERNS TO EXISTING STRUCTURES, ETC. AS APPROPRIATE

- LAYOUT NOTES

 1 DIMENSIONS ARE GIVEN FROM FACES OF CURBS WALLS AND BUILDINGS, BACK OF SIDEWALKS, CENTERLINES OF MOWSTRIPS & HEADERBOARDS, AND EDGES OF FURNITURE

 WRITTEN DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS IN ALL CASES

 SEXISTING CONDITIONS AND DIMENSIONS SHALL BE FIELD VERIFIED BY CONTRACTOR IN THE EVENT OF A DISCREPANCY, THE PROJECT LANDSCAPE ARCHITECT SHALL BE NOTIFIED PRIOR TO CONTINUING WORK
- CONTRACTOR SHALL BE RESPONSIBLE FOR KNOWING LOCATIONS OF ALL UNDERGROUND AND ABOVE GROUND UTILITIES, STRUCTURES, ETC
- DAMAGE TO EXISTING MATERIALS, EQUIPMENT, OR STRUCTURES SHALL BE REPAIRED OR REPLACED, TO THE SATISFACTION OF THE OWNER, AT CONTRACTOR'S EXPENSE
- LAYOUT SHALL BE STAKED IN THE FIELD FOR REVIEW AND APPROVAL BY THE PROJECT LANDSCAPE ARCHITECT. SCHEDULE FIELD INSPECTION WITH LANDSCAPE ARCHITECT AT LEAST 24 HOURS IN ADVANCE REFER TO ENGINEERING GRADING PLANS FOR FINISH GRADES AND ELEVATIONS OF ALL PAVEMENTS AND STRUCTURES NOT PROVIDED IN THESE DRAWINGS
 CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING INSTALLATIONS AND SCHEDULING WITH OTHER TRADES

- ALL MATERIALS, EQUIPMENT, AND INSTALLATIONS SHALL BE AS SHOWN THIS DRAWING SET, OR AS DESCRIBED IN THE SPECIFICATIONS

- IRRIGATION NOTES

 1 THIS SYSTEM IS DESIGNED TO OPERATE WITH A MINIMUM STATIC WATER PRESSURE OF 75 PSI AT THE POINT OF CONNECTION THE CONTRACTOR SHALL VERIFY THE STATIC WATER PRESSURE PRIOR TO COMMENCING WORK IF THERE IS GREATER THAN 80 PSI @ POINT OF CONNECTION CONTRACTOR SHALL INSTALL A PRESSURE REGULATING VALVE AND SET PRESSURE TO 75 PSI AFTER THE BACKFLOW PREVENTER. CONFIRM ALL ADDITIONAL APPURTENANCES WITH OWNER & SUBMIT TO LANDSCAPE ARCHITECT FOR APPROVAL
- IRRIGATION CONTROLLER SHALL BE LOCATED IN MAINTENANCE ROOM OF RESTROOM BUILDING COORDINATE TRENCHING AND SLEEVING WITH GENERAL CONTRACTOR
- EACH CONTROLLER SHALL HAVE IT'S OWN COMMON WIRE THERE IS ONE (1) CONTROLLER FOR THIS JOB

- CONTRACTOR SHALL RUN 2 ADDITIONAL CONTROL WIRES FOR EACH CONTROLLER ALONG THE ENTIRE SYSTEM AND LOOP THE WIRES BACK TO EACH CONTROLLER. THESE WIRES WILL BE SPARES VALVE STATION ID NUMBERS ON PLAN DESIGNATE THE FOLLOWING S = SHRUB SPRAY ZONES, L = LAWN ZONES, D = DRIP ZONES R= ROTORS
 PROGRAM CONTROLLER TO IRRIGATE ZONES IN NUMERIC ORDER SHOWN ON PLAN TO ALLOW INFILTRATION OF APPLIED WATER, AND REDUCE RUNOFF SEQUENCE AS FOLLOWS (R-X), (L 1-X), (S 1-X), (D 1-X) MAINLINE AND LATERAL LINE LOCATIONS ARE DIAGRAMMATIC CONTRACTOR SHALL KEEP LINES OUT OF PAVED AREAS WHERE POSSIBLE COMMON TRENCH IF POSSIBLE
- VALVE LOCATIONS ARE DIAGRAMMATIC, CONTRACTOR SHALL LOCATE BOXES IN PLANTING BEDS, NOT IN LAWNS WHERE POSSIBLE APPROXIMATELY 12"-18" FROM PAVEMENTS, WALKS, ETC (GANG VALVES WHERE
- SOLENDID VALVE ADJUSTMENT CLOSE FLOW CONTROL UNTIL SPRINKLER RADIUS IS AFFECTED THEN OPEN 1/2 TURN FOR OPTIMUM DIAPHRAGM LIFE PIPE SIZES NOTED ON PLAN
- COORDINATE PIPE SLEEVING, WIRE-PULLS AND PAVEMENT CROSS-OVERS WITH GENERAL CONTRACTOR PRIOR TO ROUGH GRADING CONTRACTOR SHALL STUB UP AND CAP SLEEVES 12"-18" INSIDE PLANTERS
- INSTALL SCH 40 SLEEVE UNDER ALL PAVED SURFACES FOR BOTH MAINLINE & LATERALS MINIMUM SLEEVE SIZE TO BE TWICE DIAMETER OF THE LINE
- ADJUST RADIUS OF ALL SPRINKLERS TO MINIMIZE OVERTHROW
- CONTRACTOR SHALL INSTALL RAINBIRD 1800 PCS (PRESSURE COMPENSATING SCREENS) AS NEEDED TO REDUCE RADII OF SPRAY PATTERNS, AND TO ELIMINATE OVERSPRAY REFER TO MANUFACTURER'S CATALOG CHART WHEN SELECTING APPROPRIATE SCREENS
- LOCATE HEADS 4" FROM ADJACENT CURB AND PAVED SURFACES, AND 12" FROM ADJACENT BUILDINGS AND STRUCTURES EXCEPT WHERE NOTED ALL PIPE AND EQUIPMENT (EXCEPT COPPER PIPE, CONTROLLERS, WIRE SLEEVES, AND PIPES SHOWN IN SLEEVES, SHALL BE INSTALLED IN PLANTER AREAS, EXCEPT WHERE NECESSARY SOME SHOWN IN PAVED AREAS ON PLAN FOR GRAPHIC CLARITY ALL EQUIPMENT SHALL BE SUPPLIED AND INSTALLED AS DESCRIBED IN THE SPECIFICATIONS, OR AS SHOWN IN THE DETAILS
- CONTRACTOR SHALL USE FIELD LOCATOR SERVICE TO VERIFY LOCATION OF ALL UNDERGROUND UTILITIES CONTRACTOR SHALL HAND TRENCH AROUND UNDERGROUND UTILITIES AS REQUIRED BY LOCAL AUTHORITIES
- EXISTING TREES TO REMAIN SHALL BE PROTECTED DURING CONSTRUCTION. TRENCHING BENEATH THE THE DRIPLINE OF EXISTING TREES SHALL BE AVOIDED, AND SHALL BE PERFORMED MANUALLY WHEN NECESSARY
- CONTRACTOR SHALL REPAIR DAMAGE DONE TO SITE ELEMENTS DUE TO CONTRACTORS WORK AT NO ADDITIONAL EXPENSE TO THE OWNER CONTRACTOR SHALL THOROUGHLY DOCUMENT EXISTING CONDITION OF SITE
- PRIOR TO COMMENCING WORK AND SUBMIT TO THE OWNER COPIES OF DOCUMENTATION

- PLANTING NOTES

 1 CONTRACTOR SHALL LOCATE AND PROTECT ALL EXISTING UTILITIES CONTRACTOR SHALL REPAIR OR REPLACE ANY DAMAGED UTILITIES AT NO COST TO OWNER
- ALL PLANT MATERIAL SHALL CONFORM TO THE GUIDELINES ESTABLISHED BY THE CURRENT. AMERICAN STANDARD FOR NURSERY STOCK. PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN OR EQUIVALENT ALL TREE AND SHALL BE STAKED BY CONTRACTOR AND APPROVED BY PROJECT LANDSCAPE ARCHITECT.
- ALL PLANTS SHALL BEAR THE SAME RELATION SHIP TO FINISHED GRADE AS THE PLANT'S ORIGINAL GRADE BEFORE DIGGING ALL PLANTS AND STAKES SHALL BE SET PLUMB UNLESS OTHERWISE SPECIFIED ALL PLANTS SHALL BE INSTALLED IN ACCORDANCE WITH ALL DRAWINGS AND SPECIFICATIONS

- ALL PLANTING BEDS AREAS ARE TO RECEIVE SHREDDED WOOD MULCH, OR APPROVED EQUAL MULCH SHALL BE PROVIDED AND DELIVERED BY THE CITY OF RAPID CITY CONTACT THE CITY PROJECT MANAGER AT 48
- MULCH TO A 2" MINIMUM DEPTH PERENNIAL AREAS SHALL RECEIVE A 2" MIN DEPTH TREES IN LAWN ARE TO RECEIVE A 4"-0" DIA MULCH RING WITH A MINIMUM DEPTH OF 2" DO NOT MULCH SEEDED GRASS AREAS HYDROSEEDING SHALL TAKE PLACE DURING THE RAINY SEASON AND AFTER SOIL TEMP EXCEEDS 40 DEGREES FROM APPROX MAY 15 TO JUNE 30
- LANDSCAPE PLANTING SHALL TAKE PLACE FROM APRIL 15 TO JUNE 15 OR FROM SEPTEMBER 1 TO NOVEMBER 1, UNLESS OTHERWISE INDICATED
- CONTRACTOR IS RESPONSIBLE FOR MAINTAINING HEALTH OF ALL PLANT MATERIAL INCLUDING TREES, SHRUBS, PERENNIALS, TURF GRASSES, AND NATIVE GRASSES UNTIL FINAL ACCEPTANCE OF PROJECT
- 12 ALL PLANTS SHALL BE SPRAYED WITH AN ANTIDESSICANT WITHIN 24 HOURS OF PLANTING AND AT THE BEGINNING OF THEIR FIRST WINTER
 13 THE CONTRACTOR SHALL REFER TO THE CONTRACT SPECIFICATIONS AND PLANTING DETAILS FOR ADDITIONAL REQUIREMENTS
 14 THE CONTRACTOR SHALL PROVIDE A ONE (1) YEAR WARRANTY FOR ALL PLANT MATERIAL UNLESS OTHERWISE INDICATED IN SPECIFICATIONS
- 15 ALL PLANT MATERIAL TO BE FREE OF PESTS, DISEASE AND BREAKAGE SEE SPECIFICATIONS
- 16 OWNER, OR OWNER'S REPRESENTATIVE TO INSPECT PLANT MATERIAL BEFORE PLANTING SEE SPECIFICATIONS
- 16 OWNER, OR OWNERS REPRESENTATIVE TO INSPECT PLANT IN ATTENDED THE CONTRACTOR TO REMOVE AND DISPOSE OF ALL METAL WIRE BASKETS, FROM ROOTBALL, BEFORE PLANTING

 18 THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING GRASS SEED MIX PER PLAN AND ON ALL MISCELLANEOUS DISTURBED AREAS NOT DESIGNATED PLANTING BEDS OR SEED AREAS SEED TO BE INSTALLED AND

 MAINTAINED PER NOTES AND SPECIFICATIONS MIX FOR MISCELLANEOUS AREAS SHALL BE "RECLAMATION GRASS MIX" PREPARE SOIL AS DESCRIBED ON SOIL CONDITIONING PLAN PRIOR TO BEGINNING PLANT

 INSTALLATION COMPOST TO BE PROVIDED AND DELIVERED BY THE CITY DEPARTMENT OF PARKS AND RECREATION CONTACT THE CITY PROJECT MANAGER AT 48 HOURS IN ADVANCE OF DELIVERY
- 19 PLANT QUANTITIES ARE SUPPLIED ON PLANS FOR THE CONVENIENCE OF THE CONTRACTOR, IN THE CASE OF A DISCREPANCY, PLAN(S) SHALL GOVERN

 $\frac{\text{PERMITTING}}{1-\text{CONTRACTOR IS REQUIRED TO OBTAIN FROM CITY OF RAPID CITY PRIOR TO START OF CONSTRUCTION}$

- a BUILDING PERMIT
- b AIR QUALITY PERMIT
- c A PERMIT TO WORK IN RIGHT OF WAY
- d EROSION AND SEDIMENT CONTROL PERMIT
- 2 CONTRACTOR IS REQUIRED TO OBTAIN FROM STATE OF SOUTH DAKOTA (DENR) PRIOR TO START OF CONSTRUCTION a STATE WATER POLLUTION PREVENTION PLAN (SWPPP) PERMIT

RECEIVED

APR - 7 2010

Rapid City Growth Management Department





