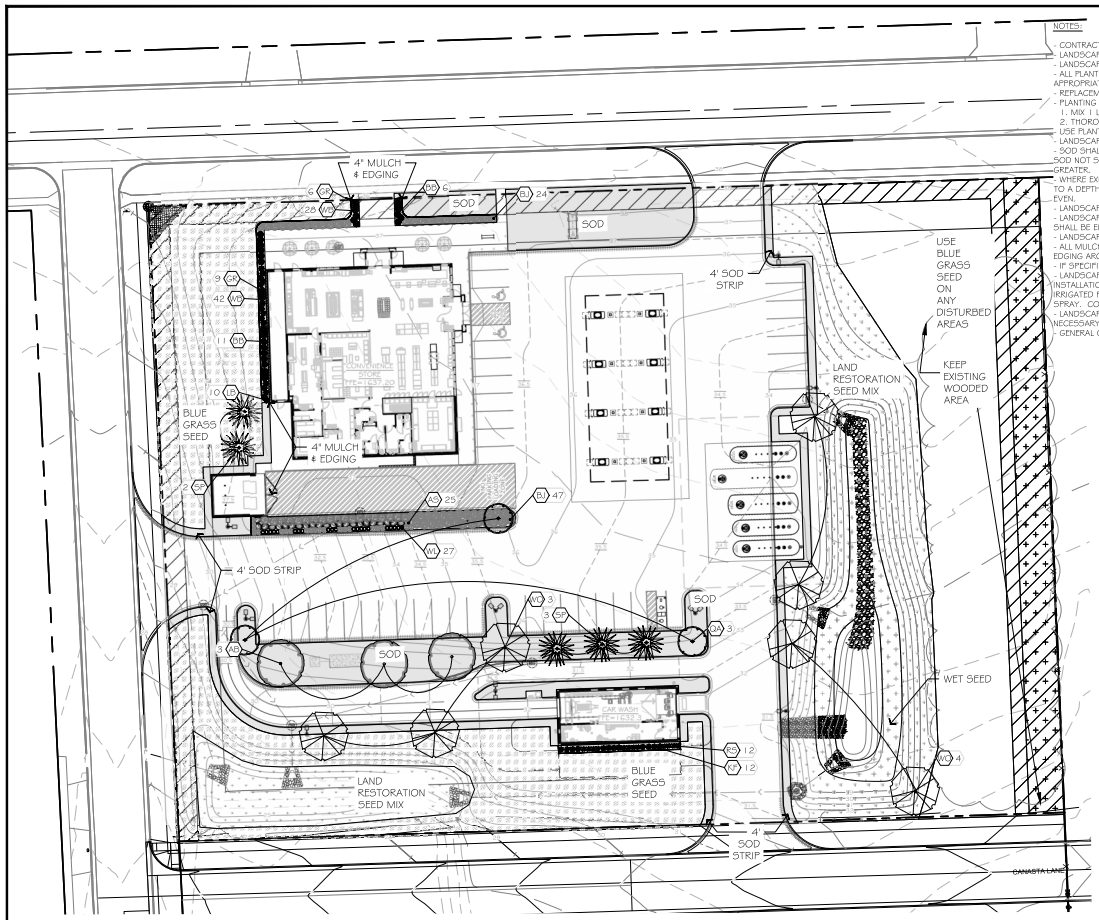


NOTES:

- CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS FOR PLANTING IN ALL R.O.W.
- LANDSCAPE CONTRACTOR SHALL VERIFY ALL UTILITIES WHICH MAY EFFECT HIS WORK.
- LANDSCAPE CONTRACTOR SHALL COORDINATE HIS WORK WITH OTHERS AT SITE AND COMPLETE HIS WORK PER OWNERS CONSTRUCTION SCHEDULE.
- ALL PLANT MATERIALS SHALL BE GUARANTEED ONE (1) FULL YEAR UPON TOTAL COMPLETION AND ACCEPTANCE BY OWNER, WITH ONE TIME REPLACEMENT AT APPROPRIATE TIME OR UPON REQUEST OF OWNER.
- REPLACEMENT TOPSOIL SHALL BE CLEAN, FREE OF STONES, WEEDS, AND OTHER UNDESIRABLE DEBRIS.
- PLANTING SOIL MIX (INCIDENTAL COST ITEM)
  1. MIX 1 LB. 5-20-20 COMMERCIAL FERTILIZER PER CU. YD. TOPSOIL
  2. THOROUGHLY MIX 1-PART SAND AND 1-PART PEAT MOSS WITH 5-PARTS FERTILIZER AND TOP SOIL.
- USE PLANTING SOIL AT ALL LOCATIONS PER DETAILS THIS SHEET.
- LANDSCAPE CONTRACTOR SHALL VERIFY TOPSOIL DEPTH AND NOTIFY OWNER OF ANY DEFICIENCY.
- SOD SHALL BE CULTURED WITH PREDOMINATELY KENTUCKY BLUEGRASS SEED OF RECENT DISEASE RESISTANT INTRODUCTIONS. NO GUARANTEE ON SOD EXCEPT ANY SOD NOT SATISFACTORY AT TIME OF COMPLETION INSPECTION SHALL BE PROMPTLY REPLACED PRIOR TO COMPLETION OF JOB. STAKE SOD ON SLOPES 3:1 AND GREATER.
- WHERE EXISTING CONCRETE/ ASPHALT AREAS ARE TO BE REPLACED WITH LANDSCAPING, PROVISIONS SHOULD BE TAKEN TO COORDINATE EXCAVATION OF SUBSOIL TO A DEPTH OF 2' WITH GRADING CONTRACTOR. REPLACE WITH COMPACTED TOPSOIL. ALL AREAS TO BE LANDSCAPED AND SODDED SHALL BE GRADED SMOOTH AND EVEN.
- LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR SODDING ALL AREAS WHICH ARE DISTURBED BY CONSTRUCTION INCLUDING ALL R.O.W. AND ADJACENT PROPERTIES.
- LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR PROVIDING BLANKET ON ALL SEEDED AREAS THAT ARE SLOPED. MULCH APPLICATION FOR ALL OTHER SEEDED AREAS SHALL BE EITHER HYDROMULCH OR DISKED STRAW DEPENDING ON SEED TYPE, APPLICATION, AND OWNER REQUEST.
- LANDSCAPE CONTRACTOR TO INSTALL 'VALLEY VIEW', "BLACK DIAMOND" EDGING AROUND ALL PLANTING BEDS AS SHOWN ON THIS PLAN.
- ALL MULCH TO BE FINELY SHREDDED HARDWOOD ORGANIC BARK MULCH. NO DYED MULCHES. INSTALL 4" DEPTH. NO FILTER FABRIC BENEATH ORGANIC MULCHES. NO EDGING AROUND ALL TREES OUTSIDE SHRUB BEDS.
- IF SPECIFIED; ALL GRAVEL MULCH SHALL BE 1"+ DIA. WASHED 'RIVER ROCK'. INSTALL 4" DEPTH WITH APPROVED WEED FABRIC BARRIER IF INDICATED PLAN.
- LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR IRRIGATION SYSTEM INSTALLATION PER IRRIGATION PLAN. DESIGN SHALL BE APPROVED BY OWNER PRIOR TO INSTALLATION. IRRIGATION DESIGN SHOULD ENCOMPASS ALL LANDSCAPE AREAS WITH SOD AND/ OR PLANTINGS, FROM CURB TO CURB. R.O.W. SHOULD BE IRRIGATED FROM SPRINKLER HEADS LOCATED WITHIN PROPERTY BOUNDARY. CARE SHOULD BE TAKEN IN VICINITY OF ALL WALKS AND DRIVES TO MINIMIZE OVER SPRAY. COORDINATE INSTALLATION OF ALL PVC SLEEVE UNDER DRIVE AREAS WITH GENERAL CONTRACTOR.
- LANDSCAPE CONTRACTOR SHALL CLEAN ALL PAVEMENT AREAS AFTER ALL LANDSCAPE INSTALLATION IS COMPLETE AND ACCEPTED BY OWNER AND DAILY AS DEEMED NECESSARY BY THE CITY.
- GENERAL CONTRACTOR TO SWEEP PAVEMENT AREAS PRIOR TO TURN OVER TO OWNER.

PLANT MATERIAL

	QUANTITY	SIZE	ROOT TYPE	COMMON NAME / BOTANICAL NAME	HEIGHT X WIDTH
OVERSTORY TREES					
WO	7	2.5" CAL	B&B	WHITE OAK / Quercus alba	50' x 50'
QA	3	10' HT	B&B	QUAKING ASPEN / Populus tremuloides	50' x 25'
AB	3	2.5" CAL.	B&B	AUTUMN BLAZE MAPLE / Acer x freemani 'Jeffersred'	45' x 35'
EVERGREEN TREES					
SP	5	10' HT	B&B	SCOTCH PINE / Pinus sylvestris	50' x 35'
SHRUBS					
BJ	71	#3 CONT	pot	BROADMOOR JUNIPER / Juniperus sabina 'Broadmoor'	2' x 8'
PERENNIALS					
WL	27	#1 CONT	pot	WALKER'S LOW CATMINT / Nepeta racemosa	24" x 18"
GR	15	#1 CONT	pot	GOLDSTRUM BLACK EYED SUSAN / Rudbeckia 'Goldstrum'	30" x 18"
RS	12	#1 CONT	pot	RUBY STELLA DAYLILY / Hemerocallis 'Ruby Stella'	2' x 3'
AS	25	#1 CONT	pot	AUTUMN JOY SEDUM / Sedum x 'Autumn Joy'	18" x 18"
WB	70	#1 CONT	pot	WOODS BLUE ASTER / Aster dumosus 'Woods Blue'	12" x 12"
GRASSES					
BB	17	#1 CONT	pot	BIG BLUESTEM / Andropogon gerrardii	5' x 3'
LB	10	#1 CONT	pot	LITTLE BLUE STEM / Schizachyrium scoparium	4' x 3'
KF	12	#1 CONT	pot	KARL FORESTER FEATHER REED GRASS / Calamagrostis x acutiflora 'Karl Forester'	4' x 30"

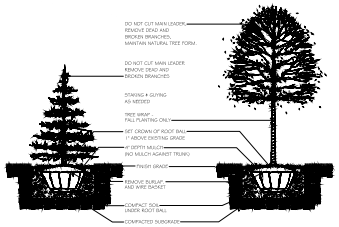
EDGING - 314 LF
MULCH - 26.5 CY
SOD - 1,386 SY

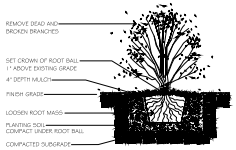
SEED SPEC: FALL SEEDING IS PREFERABLE (AUG. 20 TO OCT. 20). SPRING SEEDING SHOULD BE BETWEEN MARCH 15- MAY 15. NO SUMMER SEEDING.

	391 SY	PRAIRIE NURSERY , DETENTION BASIN, WET PRAIRIE SEED MIX (MIX #50062 OR APPROVED EQUAL). PROVIDE EROSION CONTROL BLANKET ON SIDE SLOPES.
	1,841 SY	PRAIRIE NURSERY , LAND RESTORATION MIX FOR MEDIUM SOILS (MIX #50047 OR APPROVED EQUAL). PROVIDE EROSION CONTROL BLANKET ON SIDE SLOPES.
	2,168 SY	BLUE GRASS MIX. SEE SPECS FOR MULCHING INFORMATION.

10' AQUATIC EMERGENT BENCH NOTES

A. Native planting shall not commence until planting areas have been properly amended and prepared.
B. The site shall be free from all weeds and invasive plant species.
C. Use notes for seeding 10' aquatic bench @ 4' O.C.
Over seed pond slopes and bench immediately after pond grades are established and seed bench with wetland seed mix in methods identified in the plan notes. Use wetland mix for the bench and a restoration seed mix for the pond slopes. Maintain planted areas until they are established.
D. All emergent plants shall be saturated with water. Installation shall be at or below the water line a maximum 12" depth.





WETLAND SEED INSTALLATION/ESTABLISHMENT

BROADCAST SEEDING IS THE PREFERRED METHOD FOR SEEDING WET HYDRAULIC SOILS. SEED SHALL BE BROADCAST WITH AN EVEN DISTRIBUTION OF SEED AVOIDING BARE AREAS THAT ARE CONDUCIVE TO WEEDS. HIGHER SEED COUNTS SHALL BE DISTRIBUTED IN AREAS TO PREVENT THE ESTABLISHMENT OF WEEDS.

BROADCAST SEED WITH CYCLONE, BIGON OR OTHER MECHANICAL SEEDER AS WELL AS BY HAND IN HARD-TO-REACH AREAS. IN WATER BENCHES FOR STORM BASINS, WATER SHOULD BE DRAWN DOWN FOR PERIODS DURING SEEDING AND GERMINATION AS NEEDED TO ENSURE PROPER ESTABLISHMENT OF THE SEED AND BY KEEPING THE GROUND MOIST. HYDROSEEDING IS AN ACCEPTABLE METHOD WHEN THE TERRAIN LIMITS ACCESS OF EQUIPMENT.

THE SMALLER THE WETLAND SEED THE SHALLOWER IT MUST BE SOWN. WETLAND GRASSES AND SPECIES WITH LARGER SEED SHALL BE HARROWED INTO THE SOIL 1/8-1/4-INCH DEPTH BEFORE SMALLER SEEDS ARE BROADCAST. WHEN BROAD CAST SEEDING, CARRIERS SUCH AS CRACKED CORN, ANNUAL GRAINS, VERMICULITE, OR SAND CAN BE ADDED TO THE SEED MIX TO DILUTE THE SMALL VOLUME OF WETLAND SEED AND TO MAKE SEEDED AREAS MORE VISIBLE.

OVERLAP WETLAND MIXES A FEW FEET WITH THE UPLAND MIXES AS MOISTURE CONDITIONS ARE VARIABLE. ALL SEED MIXES SHALL BE EVENLY DISTRIBUTED ON THE SOIL SURFACE FOR THE ENTIRE TARGETED SEEDING ZONES. SEEDED AREAS SHOULD BE CULTIPACKED AFTER BROADCASTING TO ENSURE GOOD SEED TO SOIL CONTACT AND TO PREVENT SEED FROM BEING BLOWN AWAY.

WETLAND SEED SHOULD BE PLANNED TO COINCIDE WITH THE RESTORATION OF HYDROLOGY. PREFERRED TIMES TO SEED IS FALL OR WINTER BEFORE HYDROLOGY WITH BE RESTORED THE FOLLOWING SPRING. IF DONE IN THE SPRING CONTRACTOR SHALL DRAW DOWN STORM BASIN AREAS AND MAY BE BENEFICIAL TO CONDUCT SEEDING LATE SPRING OR EARLY SUMMER AFTER WET SOILS HAVE STABILIZED. EXTRA CARE SHALL BE TAKEN NEAR AND AROUND WATER LEVELS SO THE SEED IS NOT EASILY DISPLACED.

SPRING SEEDING- MID MAY AFTER WEED GERMINATION IS CONTROLLED AND BEFORE JULY WHEN MOISTURE LEVELS DECREASE

FALL SEEDING- FALL SEEDING MAY BE PREFERRED IN SOME CASES WHERE FORBS AND SEDGES REQUIRE A COLD/MOIST PERIOD BEFORE THEY WILL GERMINATED. VERIFY THE SPECIES IN THE MIX THAT BENEFIT FROM THIS AND INSTALL AS RECOMMENDED BY THE SEED DISTRIBUTER.

WINTER(FROST) SEEDING - FEBRUARY-EARLY MARCH SEEDING CAN BE CONDUCTED OVER SNOW COVER, THIS METHOD SHALL BE CONDUCTED OVER PREVIOUSLY PREPARED SEEDBED. THIS METHOD SHALL NOT BE USED WHERE THERE IS FLOWING WATER DURING THE SPRING.

LANDSCAPE REQUIREMENTS - ZONE - B-2

- 1 TREE FOR THE FIRST 4,000 SF OF SURFACED AREA
- 1 TREE FOR EACH ADDITIONAL 3,000 SF OF SURFACED AREA

TOTAL SURFACED AREA - 64,000 SF

53,800 - 4,000 = 49,800 / 3,000 = 18 TOTAL TREES REQUIRED

TOTAL EXISTING TREES - UNKNOWN

TOTAL PROPOSED TREES - 14

- 1 DECIDUOUS TREE PER PARKING LOT ISLAND
- 20% OF TREES SHALL BE PLANTED IN PARKING LOT ISLANDS.

8 / 18 = 44% OF MINNUMUM TREES REQUIRED LOCATED IN ISLANDS

811 Know what's below. Call before you dig.

NORTH
SCALE: 1" = 30'

30 15 0 30 60

PLOTTING NOTE: PLANS PLOTTED TO 11x17 SHEET SIZE ARE ½ SCALE- 1"=60'

KWIK TRIP

KWIK STAR

KWIK TRIP, Inc.
P.O. BOX 2107
1626 OAK STREET
LACROSSE, WI 54602-2107
PH. (608) 781-8988
FAX (608) 781-8960

INSITES
SITE PLANNING LANDSCAPE ARCHITECTURE
3030 Harbor Lane North, STE 131
Plymouth Minnesota 55447
763.383.8400
fax 763.383.8448

REGISTERED LANDSCAPE ARCHITECT
Robert J. Muller
07372
SOUTH DAKOTA
31 JAN 2025

LANDSCAPE PLAN
CONVENIENCE STORE 1718
BROOKINGS, SOUTH DAKOTA

NO.	DATE	DESCRIPTION
-	05OCT23	SUBMITTAL
-	03NOV23	COMMENTS

DRAWN BY	
SCALE	GRAPHIC
PROJ. NO.	23-1716
DATE	18JULY2023
SHEET	L1

Indesign 23.4 (16.0.0)