PLANTING NOTES

1. CONSULT PLANT LIST FOR PLANT SIZES AND SPECIFICATIONS.
2. CONTRACTOR IS RESPONSIBLE FOR LOCATING AND PROTECTING ALL UTILITIES PRIOR TO INSTALLATION. NOTIFY OWNER IF FIELD CONDITIONS WARRANT ADJUSTMENT OF PLANT LOCATIONS.
3. CONTRACTOR IS RESPONSIBLE FOR ALL PLANTS DRAWN ON PLANS. PLANT LIST QUANTITIES ARE FOR CONVENIENCE ONLY.
4. ALL SHRUB AND GROUND COVER BEDS (EXISTING AND NEW) TO BE MULCHED WITH A MINIMUM OF 2 INCHES OF DOUBLE SHREDDED HARDWOOD MULCH. ALL MULCH AREAS TO HAVE A WEED BARRIER INSTALLED
5. CONTRACTOR TO PROVIDE A FULL 1 YEAR GUARANTEE ON ALL PLANTS INSTALLED AND PROVIDE COMPLETE MAINTENANCE ON ALL WORK DONE BEGINNING ON THE DAY OF APPROVAL FROM OWNER'S REPRESENTATIVE AND CONTINUING FOR A THREE MONTH DURATION AT WHICH TIME OWNER'S REPRESENTATIVE WILL DECLARE JOB ACCEPTANCE.
6. EACH PLANTING TO BE FREE FROM DISEASE, INSECT INFESTATION AND MECHANICAL INJURIES AND, IN ALL RESPECTS, BE READY FOR FIELD PLANTING.
7. ALL PLANTS TO CONFORM TO THE AMERICAN STANDARD FOR NURSERYMEN STOCK (ANSI–1986) IN REGARDS TO SIZING, GROWING AND B&B SPECIFICATIONS.
8. PLANTING HOLES TO BE DUG A MINIMUM OF TWICE THE WIDTH AND 6–8 INCHES DEEPER THAN THE SIZE OF THE ROOT BALL OF BOTH SHRUB AND TREE AND TO BE AMENDED WITH ORGANIC SOIL CONDITIONER. (I.E. NATURES HELPER OR PRO MIX).
9. IN AREAS WHERE BEDROCK OR HEAVILY COMPACTED ROCK FILL IS ENCOUNTERED, THE PLANTING HOLES ARE TO BE DUG TO A MINIMUM OF THREE TIMES THE WIDTH AND ONE FOOT DEEPER THAN THE SIZE OF THE ROOT BALL. NOTIFY LANDSCAPE ARCHITECT IF FIELD CONDITIONS WARRANT ADJUSTMENT OF PLANT LOCATIONS.
10. EXISTING GRASS TO BE REMOVED, IF PRESENT, AND TOPSOIL TO BE SPREAD SMOOTH AND HAND–RAKED TO REMOVE ALL ROCKS AND DEBRIS LARGER THAT 1 INCH IN DIAMETER PRIOR TO LAYING SOD OR SEEDING.
11. ALL CHANGES TO DESIGN OR PLANT SUBSTITUTIONS ARE TO BE AUTHORIZED BY THE OWNER.
12. TOPSOIL MIX TO BE 3 PARTS SCREENED TOPSOIL AND 1 PART ORGANIC MATERIAL. (I.E. NATURE'S HELPER OR PRO MIX).
13. MIN. 6" CLEAN TOPSOIL TO BE PLACED ON ALL LANDSCAPE AREAS AND SLOPES 2:1 (H:V) OR FLATTER.
14. ALL PARKING ISLANDS ARE TO MATCH EXISTING UNLESS OTHERWISE NOTED.
15. CONTRACTOR SHALL SUBMIT TO GIANT EAGLE AN IRRIGATION SYSTEM DESIGN THAT COVERS ALL NEW PLANTINGS. SYSTEM SHALL BE FED FROM THE PROPOSED KIOSK.
16. THE CONTRACTOR SHALL REPLACE ANY AND ALL LANDSCAPING THAT IS DAMAGED AS THE RESULT OF CONSTRUCTION ACTIVITIES.
17. ALL MULCH BEDS SHALL HAVE A CHEMICAL BARRIER (SNAPSHOT) INSTALLED. START WITH WEED FREE SOIL.
18. INSTALL CLEAN, WASHED SOD WHERE INDICATED ON LANDSCAPING PLAN.

MULCH- DOUBLE SHRED HARDWOOD BARK

HEAVY CONCRETE PAD & SIDEWALKS

CONCRETE

GRASS/ SEED

SOD

PLANT SCHEDULE

SYMBOL	ITEM	COMMON NAME	TYPE	SCIENTIFIC NAME	START SIZE	MATURE SIZE	QUANTITY
	A	GREEN GEM BOXWOOD	E	BUXUS X "GREEN GEM"	3 GAL 15"	S2' H2'	49
	B	ROYAL BURGANDY BARBERRY	D	BERBERIS THUNBERGII ATROPURPUNEA	3 GAL 15"	S3' H2'	42
	C	SAYBROOK GOLD JUNIPER	E	JUNIPERUS CHINENSIS "SAYBROOK GOLD"	5 GAL 18"	S6' H3'	13
	D	DWARF BURNINA BUSH	D	TUONYMUS ALATUS "COMPACTUS"	B&B 24"/36"	S6' H6'	20
	E	DWARF BIRDSNEST SPRUCE	E	PICEA ABIES "NIDIFORMIS"	5 GAL 18"/24"	S4' H2'	33
	F	LITTLE HENRY SWEETSPIRE	D	ITEA VIRGINICA "LITTLE HENRY"	3 GAL 18"	S2' H2'	38
	G	DWARF ALBERTA SPRUCE	E	PICEA GLAUCA 'CONICA'	10 GAL 42"/48"	S3' H7'	16
	H	ROSTHERN COLUMNAR CRABAPPLE	D	MALUS BACCATA 'COLUMNARIS'	2" CALIPER	S6' H15'	15
	J	AUTUMN FLAME MAPLE	D	ACER RUBRUM "AUTUMN FLAME"	3" CALIPER	S35' H35'	5
	K	THUNDERCLOUD PLUM	D	PRUNUS CERASIFERA "THUNDERCLOUD"	2" CAL.	S20' H20'	2

NOTES

1. E = EVERGREEN D = DECIDIOUS
2. LANDSCAPE PARAMETERS: LOW MAINTENANCE – HARDY – SCREENING – STAY WITHIN P/L -
3. LOCATION OF PLANTING BEDS ARE SUBJECT TO CHANGE PER FINAL GRADE

SPECIFICATIONS FOR SODDING

MATERIALS

1. SOD SHALL BE HARVESTED, DELIVERED AND INSTALLED WITHIN A PERIOD OF 48 HOURS. SOD NOT TRANSPLANTED WITHIN THIS PERIOD SHALL BE INSPECTED AND APPROVED PRIOR TO INSTALLATION.
2. THE SOD SHALL BE KEPT MOIST AND COVERED DURING HAULING AND PREPARATION FOR PLACEMENT.
3. SOD SHALL BE MACHINE CUT AT A UNIFORM SOIL THICKNESS OF 0.75 INCHES, PLUS OR MINUS 0.25 INCHES, AT THE TIME OF CUTTING. MEASUREMENTS FOR THICKNESS SHALL EXCLUDE TOP GROWTH AND THATCH.

SITE PREPARATION

1. A SUBSOILER, PLOW OR OTHER IMPLEMENT SHALL BE USED TO REDUCE SOIL COMPACTION AND ALLOW MAXIMUM INFILTRATION. MAXIMIZING INFILTRATION WILL HELP CONTROL BOTH RUNOFF RATE AND WATER QUALITY. SUBSOILING SHALL NOT BE CONDUCTED ON SLIP-PRONE AREAS WHERE SOIL PREPARATION SHOULD BE LIMITED ONLY TO WHAT IS NECESSARY FOR ESTABLISHING VEGETATION.
2. THE AREA SHALL BE GRADED AND TOPSOIL SPREAD WHERE NEEDED. (SEE TOPSOILING)
3. SOIL AMENDMENTS:
   - LIME—AGRICULTURAL GROUND LIMESTONE SHALL BE APPLIED TO ACIDIC SOILS AS RECOMMENDED BY A SOIL TEST. IN LIEU OF A SOIL TEST, LIME SHALL BE APPLIED AT THE RATE OF 100 LB./1,000 SQ. FT. OR 2 TONS/AC.
   - FERTILIZER—FERTILIZER SHALL BE APPLIED AS RECOMMENDED BY A SOIL TEST. IN LIEU OF A 2SOIL TEST FERTILIZER SHALL BE APPLIED AT A RATE OF 12 LB./1,000 SQ. FT. OR 500 LB./AC. OF 10-10-10 OR 12-12-12 ANALYSIS.
   - THE LIME AND FERTILIZER SHALL BE WORKED INTO THE SOIL WITH A DISK HARROW, SPRING-TOOTH HARROW, OR OTHER SUITABLE FIELD IMPLEMENT TO A DEPTH OF 3 INCHES.
4. BEFORE LAYING SOD, THE SURFACE SHALL BE UNIFORMLY GRADED AND CLEARED OF ALL DEBRIS, STONES AND CLODS LARGER THAN 3-IN. DIAMETER.

SOD INSTALLATION

1. DURING PERIODS OF EXCESSIVELY HIGH TEMPERATURES, THE SOIL SHALL BE LIGHTLY IRRIGATED IMMEDIATELY BEFORE LAYING THE SOD.
2. SOD SHALL NOT BE PLACED ON FROZEN SOIL.
3. THE FIRST ROW OF SOD SHALL BE LAID IN A STRAIGHT LINE WITH SUBSEQUENT ROWS PLACED PARALLEL TO AND TIGHTLY WEDGED AGAINST EACH OTHER. LATERAL JOINTS SHALL BE STAGGERED IN A BRICK-LIKE PATTERN. ENSURE THAT SOD IS NOT STRETCHED OR OVERLAPPED AND THAT ALL JOINTS ARE BUTTED TIGHT IN ORDER TO PREVENT VOIDS THAT WOULD DRY THE ROOTS.
4. ON SLOPING AREAS WHERE EROSION MAY BE A PROBLEM, SOD SHALL BE LAID WITH THE LONG EDGE PARALLEL TO THE CONTOUR AND WITH STAGGERED JOINTS. THE SOD SHALL BE SECURED WITH PEGS OR STAPLES.
5. AS SODDING IS COMPLETED IN ANY ONE SECTION, THE ENTIRE AREA SHALL BE ROLLED OR TAMPED TO ENSURE SOLID CONTACT OF ROOTS WITH THE SOIL SURFACE. SOD SHALL BE WATERED IMMEDIATELY AFTER ROLLING OR TAMPING UNTIL THE SOD AND SOIL SURFACE BELOW THE SOD ARE THOROUGHLY WET. THE OPERATIONS OF LAYING, TAMPING AND IRRIGATING FOR ANY PIECE OF SOD SHALL BE COMPLETED WITHIN 8 HOURS.

MAINTENANCE

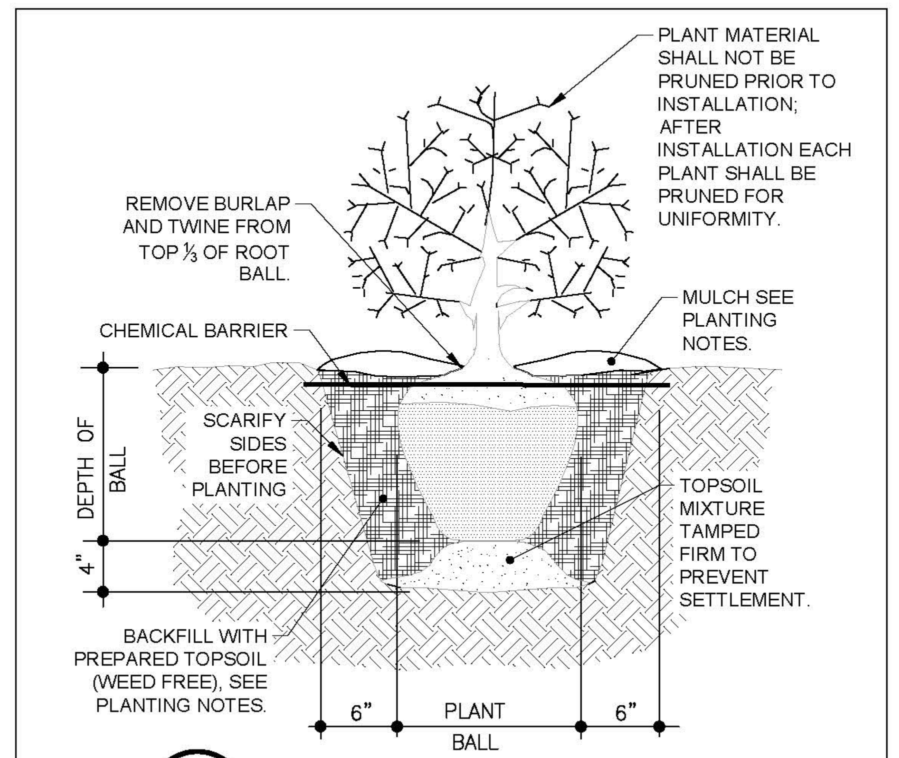
1. IN THE ABSENCE OF ADEQUATE RAINFALL, WATERING SHALL BE PERFORMED DAILY OR AS OFTEN AS NECESSARY DURING THE FIRST WEEK WITH SUFFICIENT QUANTITIES TO MAINTAIN MOIST SOIL TO A DEPTH OF 4-6 INCHES.
2. AFTER THE FIRST WEEK, SOD SHALL BE WATERED AS NECESSARY TO MAINTAIN ADEQUATE MOISTURE AND ENSURE ESTABLISHMENT.
3. THE FIRST MOWING SHALL NOT BE ATTEMPTED UNTIL SOD IS FIRMLY ROOTED.

GRASS SPECIFICATION:

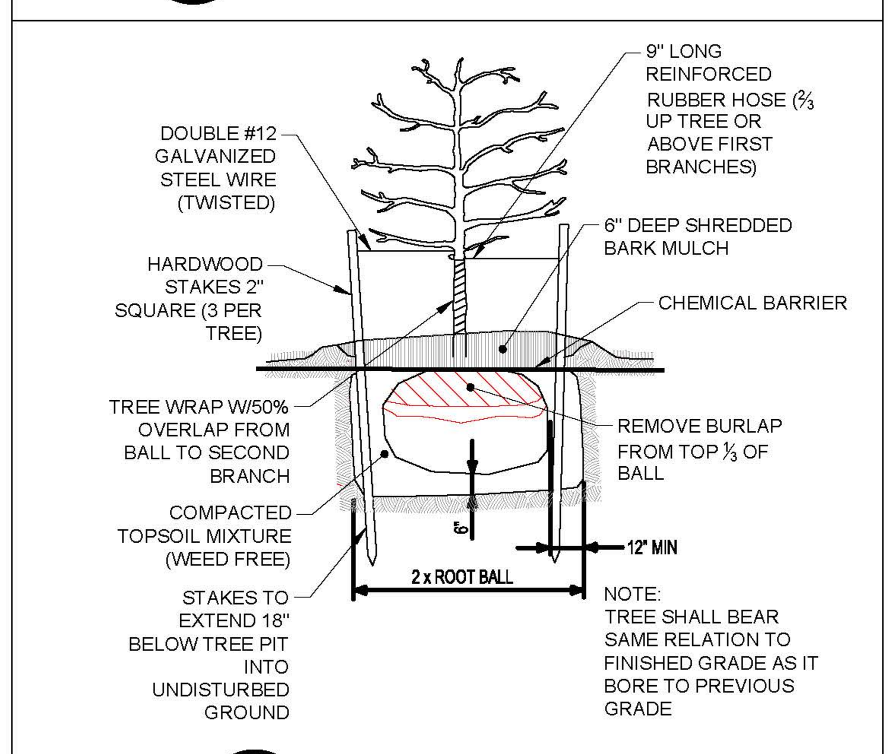
1. GRASS SEED SHALL BE FRESH, CLEAN, DRY NEW–CROP SEED COMPLYING WITH THE ASSOCIATION OF OFFICIAL SEED ANALYSTS "RULES FOR TESTING SEEDS" FOR PURITY AND GERMINATION TOLERANCES.
2. A WEED BARRIER SHALL BE INSTALLED IN ALL MULCHED ISLAND BEDS.
3. ALL AREAS TO BE SEEDED SHALL RECEIVE NO LESS THAN FIVE POUNDS OF SEED PER ONE THOUSAND SQUARE FEET. APPLY SEED AND PROTECT WITH STRAW MULCH AS REQUIRED FOR NEW LAWNS. GRASS SEED MIX SHALL CONSIST OF THE FOLLOWING:

SEED/LAWN MIXTURE

PROPORTION	NAME	MIN %	MIN. % PURE SEED	MAX % WEED SEED
50%	Baron Bluegrass	80	85	0.50
35%	Pennlawn Fescue	85	99	0.50
15%	Manhattan II Perennial Rye	90	99	0.50



1 / C4.0 **SHRUB PLANTING DETAIL**
SCALE: NONE



2 / C4.0 **TREE PLANTING DETAIL**
SCALE: NONE

CLIENT:

CIRCLE K STORES, INC.
4080 W. JONATHAN MOORE PIKE
COLUMBUS, IN 47201

CONSULTANT:

Engineers • Planners • Surveyors
Wellert Corporation
5136 Beach Road • Medina, Ohio 44256
t: 330.239.2699 • f:330.239.0272

NO.	DATE	REVISION DESCRIPTION
1	2/16/16	SUBMITTED FOR ZONING PERMIT
2	3/30/16	REVISED PER CITY COMMENTS

PROJECT TITLE

RAZE AND REBUILD CIRCLE K SITE #2281

SITE ADDRESS:

1821 E. 151ST ST
WESTFIELD, IN 46033
HAMILTON COUNTY

SCALE:	1" = 20'
DATE:	02/15/2016
DESIGNED BY:	BSW
DRAWN BY:	BSW
CHECKED BY:	RWW
FILE NAME:	150617-C4.dwg
JOB NUMBER:	150617

DRAWING TITLE:

LANDSCAPING PLAN

SHEET NO:

C4.0

File: k:\macs convenience stores\westfield in\dwg\150617-c4.dwg Saved: 3/30/2016 3:26 PM (kate) Plotted: 3/30/2016 3:30 PM (kate) Plotstyle: (WC Standard.ctb) Scale: (1:1.0001) Page Setup: (----)