

LANDSCAPE PLAN NOTES

1. SOD (ALTERNATE): ALL SOD SHALL BE CERTIFIED GRADE CULTIVATED GRASS SOD OF "ADVENTURE BLEND" TURF TYPE TALL FESCUE (BY GENERAL CONTRACTOR)
2. MULCH
3. REPLACE ALL DAMAGED AND REMOVED STREET TREES ASSOCIATED WITH THE STORM SEWER OUTFALL SCOPE OF WORK. THESE 3 TREES SHOWN ARE EXCLUDED FROM THE PLANTING SCHEDULE IN CASE THEY CAN BE PRESERVED IN PLACE.

LEGEND

- [Symbol] SITE TRIANGLE
- 35' DISTANCE FOR ARTERIAL STREETS
- 10' DISTANCE FOR PRIVATE ENTRANCES

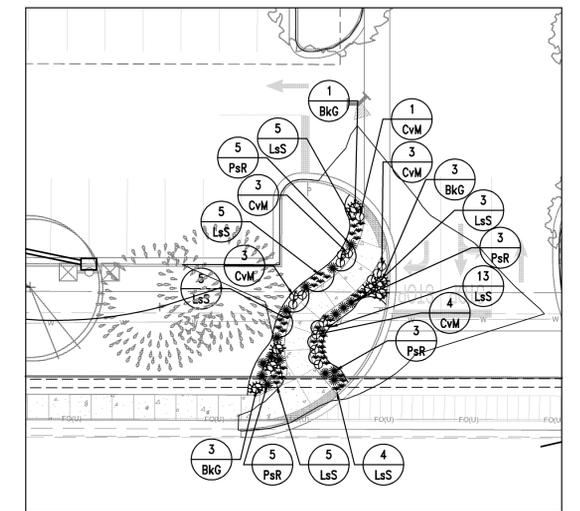
GENERAL NOTES

1. IN CASE OF DISCREPANCIES BETWEEN THE PLAN AND THE PLANT LIST, THE PLAN SHALL DICTATE. IF IN QUESTION, CONTACT THE LANDSCAPE DESIGNER.
2. ALL SHRUBS PLANTING AREAS TO BE COVERED WITH 4" THICK LAYER OF SHREDDED HARDWOOD BARK MULCH. ALL GROUND COVER BEDS SHALL BE COVERED WITH 1" SHREDDED HARDWOOD BARK MULCH. BARK MULCH SHALL BE APPROVED BY LANDSCAPE DESIGNER AND SHALL BE UNIFORM IN TEXTURE AND COLOR AND SHALL BE OBTAINED FROM SAWMILL OR LUMBERING OPERATIONS. NO UTILITY MULCH OR PROCESSED TREE TRIMMINGS WILL BE ALLOWED.
3. AN APPROVED PRE-EMERGENT HERBICIDE SHALL BE APPLIED IN ALL PLANTING AND GROUND COVER BEDS AT RATES SPECIFIED BY MANUFACTURER FOR EACH VARIETY OF PLANT.
4. FINAL PLACEMENT OF PLANT MATERIALS, ETC. SHALL BE APPROVED BY LANDSCAPE DESIGNER BEFORE PLANTING OPERATIONS ARE TO PROCEED. ALL TREE LOCATIONS SHALL BE MARKED WITH A WOODED STAKE INDICATING VARIETY AND SIZE OF TREE. ALL GROUND COVER AND MULCH BED LINES SHALL BE MARKED BY A HIGHLY VISIBLE PAINT LINE WITH OCCASIONAL WOOD STAKES FOR REFERENCE. ALL STAKES SHALL BE REMOVED FOLLOWING PLANTING OPERATIONS. LANDSCAPE DESIGNER RESERVES THE RIGHT TO ADJUST PLANT LOCATIONS ON SITE.
5. NO SUBSTITUTIONS OF PLANT MATERIAL WILL BE ALLOWED. IF PLANTS ARE SHOWN TO BE UNAVAILABLE, THE CONTRACTOR SHALL NOTIFY LANDSCAPE DESIGNER PRIOR TO BID DATE IN WRITING. ALL PLANTS SHALL BE INSPECTED AND TAGGED WITH PROJECT IDENTIFICATION AT NURSERY OR CONTRACTORS OPERATION PRIOR TO MOVING TO JOB SITE. PLANTS MAY ALSO BE INSPECTED AND APPROVED OR REJECTED ON THE JOB SITE.
6. ALL PLANTS ARE TO MEET OR EXCEED AMERICAN STANDARDS FOR NURSERY STOCK, LATEST EDITION, AS SET FORTH BY AMERICAN ASSOCIATION OF NURSERYMEN.
7. PLANTS AND ALL OTHER MATERIALS TO BE STORED ON SITE WILL BE PLACED WHERE THEY WILL NOT CONFLICT WITH CONSTRUCTION OPERATIONS AND AS DIRECTED BY OWNER.
8. ALL NEW LANDSCAPE PLANTINGS SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR FOLLOWING FINAL INSPECTION BY LANDSCAPE DESIGNER. AT THE END OF THIS PERIOD, PLANT MATERIAL TERMINATED DEAD OR UNSATISFACTORY BY LANDSCAPE DESIGNER SHALL BE REPLACED AT NO ADDITIONAL CHARGE BY THE LANDSCAPE CONTRACTOR.
9. THE LANDSCAPE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS AND FEES THAT MAY BE REQUIRED FOR HIS PORTION OF WORK.
10. PEAT MOSS TO BE USED ON PROJECT SHALL BE A DOMESTIC OR IMPORTED MATERIAL, CHOCOLATE BROWN IN COLOR AND COMPOSED OF PARTIALLY DECOMPOSED VEGETABLE MATERIAL. PEAT MOSS TO ALSO BE MILDLY ACIDIC IN CHARACTER AND SHALL MEET APPROVAL OF LANDSCAPE DESIGNER.
11. LANDSCAPE CONTRACTOR SHALL NOTIFY LANDSCAPE DESIGNER IN WRITING PRIOR TO BID DATE OF ANY PLANTS THAT HE FEELS MAY NOT SURVIVE IN LOCATIONS NOTED.
12. ALL LANDSCAPING PLANTINGS TO BE MAINTAINED FOR 1 YEAR FOLLOWING TURNOVER. MAINTENANCE TO INCLUDE WATERING, WEEDING, CULTIVATION, MULCHING, MOVING AND ALL OTHER NECESSARY OPERATIONS REQUIRED FOR PROPER ESTABLISHMENT OF PLANTINGS. NOTE: AT END OF MAINTENANCE PERIOD, CONTRACTOR TO REMOVE GUYING AND STAKING FROM TREES.
13. CONTRACTOR TO SUBMIT UNIT PRICES ON EVERY TYPE OF WORK AS REQUESTED BY LANDSCAPE DESIGNER.
14. BACKFILL FOR TREE AND SHRUB PLANTING SHALL BE 75% APPROVED TOPSOIL AND 25% APPROVED PEAT MOSS. TOP LAYER OF BACKFILL SHALL BE 100% EXISTING TOPSOIL. A 5-10-5 ANALYSIS SLOW RELEASE FERTILIZER SHALL BE INCORPORATED INTO BACKFILL AT APPROVED RATES.
15. PROVIDE MINIMUM 4" PLANTING SOIL IN ALL GROUND COVER AND FLOWER AREAS WITH MIXTURE COMPRISING OF ONE PART COMMERCIAL GRADE "POTTING SOIL", 3 PARTS TOPSOIL AND 4 PARTS PEAT MOSS. A FULL 4" LAYER OF APPROVED SHREDDED FRESH PEAT MOSS MAY BE USED IN LIEU OF PLANTING MIX.
16. PLANTS SHALL BEAR A TAG SHOWING GENUS, SPECIES AND VARIETY.
17. PLANTS SHALL BE GUARANTEED BY THE STATE OF INDIANA DEPARTMENT OF NATURAL RESOURCES AND FREE FROM DISEASE OR HAZARDOUS INSECTS.
18. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL EXISTING UTILITIES PERTAINING TO THEIR PHASE OF WORK. UTILITIES ARE SHOWN TO BE APPROXIMATE. CALL UTILITY LOCATE PRIOR TO ANY PLACEMENT OF PLANT MATERIAL OR OTHER LANDSCAPE MATERIAL.

PLANT SCHEDULE										
PLANT KEY	BOTANICAL NAME	COMMON NAME (AVERAGE MATURE HT.)	SIZE	QUANTITY	ROOT CONDITION (B/B/B/RECENT)	ON CENTER SPACING	SPECIAL INSTRUCTIONS			
CANOPY DECIDUOUS TREES										
ArA	ACER RUBRUM 'AUTUMN FLAME'	AUTUMN FLAME RED MAPLE (40')	2 1/2"	24	X		SEE PLAN	X		
CC	CARPINUS CAROLINIANA	AMERICAN HORNBEAM (25')	2 1/2"	27	X		SEE PLAN	X		
GIS	GLEDITSIA TRIACANTHOS INERMIS 'SKYLINE'	SKYLINE HONEYLOCUST (40')	2 1/2"	37	X		SEE PLAN	X		
LT	LIRIODENDRON TULIPIFERA	TULIP TREE (45')	2 1/2"	12	X		SEE PLAN	X		
QR	QUERCUS RUBRA	RED OAK (45')	2 1/2"	15	X		SEE PLAN	X		
ORNAMENTAL TREES										
CP	CRATAEGUS PHAENOPYRUM	WASHINGTON HAWTHORN (30')	2 1/2"	8		X	SEE PLAN		MIN 24"	
EVERGREEN TREES										
PdD	PICEA GLAUCO 'DENSATA'	BLACK HILLS SPRUCE (12')	5'	17		X	SEE PLAN		MIN 24"	
PO	PICEA OMORICA	SERBIAN SPRUCE (25')	5'	6		X	SEE PLAN		MIN 24"	
PF	PINUS FLEXILIS	LIMBER PINE (15')	5'	18		X	SEE PLAN		MIN 24"	
DECIDUOUS SHRUBS										
AmA	ARONIA MELANOCARPA 'AUTUMN MAGIC'	AUTUMN MAGIC BLACK CHOKEBERRY (5')	#5	15		X	SEE PLAN		MIN 24"	
PG	POTENTILLA FRUTICOSA 'GOLDFINGER'	GOLDFINGER POTENTILLA (3')	#2	6		X	SEE PLAN		MIN 18"	
SG	SPIRAEA X 'GOLD MOUND'	GOLD MOUND SPIREA (3')	#3	3		X	SEE PLAN		MIN 18"	
VJ	VIBURNUM X JUDDII	JUDD'S VIBURNUM (6')	#5	8		X	SEE PLAN		MIN 24"	
EVERGREEN SHRUBS										
BKG	BUXUS X KOREANA 'GREEN GEM'	GREEN GEM BOXWOOD (3.5')	18"	40		X	SEE PLAN		MIN 18"	
IgC	ILEX GLABRA 'CHAMZIN'	NORDIC HOLLY (3')	18"	24		X	SEE PLAN		MIN 18"	
IwW	ILEX X 'WILLEMER'	EMERALD MAGIC HOLLY (3.5')	#3	20		X	SEE PLAN		MIN 18"	
TmD	TAXUS X MEDIA 'DENSIFORMIS'	DENSE YEW (5')	18"	20		X	SEE PLAN		MIN 18"	
ORNAMENTAL GRASSES										
PaH	PENNISETUM ALPEUCROIDES 'HADELIN'	HADELIN FOUNTAIN GRASS (2.5')	#1	41		X	2.5'		X	
PaR	PENNISETUM SETACEUM 'RUBRUM'	PURPLE FOUNTAIN GRASS (2.5')	#1	43		X	2.5'		X	
PERENNIALS										
CvM	COREOPSIS VERTICILLATA 'MOONBEAM'	MOONBEAM COREOPSIS	#1	55		X	1.5'		X	
LsS	LIRIOPE SPICATA 'SILVER DRAGON'	SILVER DRAGON LILYTUFT	#1	197		X	1"		X	

LANDSCAPE RECOMMENDATIONS

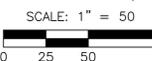
REQUIREMENT:	REQUIRED:	PROVIDED:
SECTION 3.3: STANDARDS (MXC) - MAXIMUM LOT COVERAGE (ALL HARD SURFACES)	75% MAX.	88%
SECTION 5.4: GATEWAY (GW-OL) C.2.i. SIDEWALKS & PEDESTRIAN WALKWAYS - WALKWAYS SHALL BE BORDERED ON EACH SIDE BY A PLANTING AREA THAT IS A MINIMUM OF 2' IN WIDTH. - THE PLANTING AREAS ON EACH SIDE OF THE WALKS SHALL EACH INCLUDE FLOWERS, SHRUBS, AND TREES A MINIMUM OF 50% OF THEIR LENGTH.	- 44 LINEAR FT. x 50% = 22 L.F. FOR PLANTING	- 44 L.F. ON EACH SIDE OF THE SIDEWALK
SECTION 5.4: GATEWAY (GW-OL) C.2.iv. SIDEWALKS & PEDESTRIAN WALKWAYS - WALKWAYS ALONG THE FACADES OF THE BUILDING SHALL BE CONCRETE, 5' WIDE AND SEPARATED FROM THE BUILDING BY A LANDSCAPE AREA THAT IS A MINIMUM OF 5' IN WIDTH. - THE LANDSCAPE AREA SHALL INCLUDE BENCHES AND SEATING AREAS, AND BE PLANTED WITH FLOWERS, TREES, AND SHRUBS FOR A MINIMUM OF 50% OF ITS LENGTH.	- 715 LINEAR FT. x 50% = 357.5 L.F. FOR PLANTING	- 160 LF RELOCATED ACROSS NORTH DRIVE - 197.5 L.F. RELOCATED TO PARKING ISLANDS
SECTION 7.16: LANDSCAPING STANDARDS D. PROPERTY INTERIOR REQUIREMENTS - PROVIDE 1 BROADLEAF, DECIDUOUS TREE AND/OR EVERGREEN CONIFER FOR EVERY 1,500 SQ. FT. OF REQUIRED YARD AREA.	(125,670 SF)	- 84 TREES
SECTION 7.16: LANDSCAPING STANDARDS E. PARKING LOT PERIMETER REQUIREMENTS - A MINIMUM OF 1 TREE SHALL BE PROVIDED FOR EVERY 80 LINEAR FEET OF LANDSCAPED AREA. - A MINIMUM OF 1 SHRUB SHALL BE PROVIDED FOR EVERY 1 TREE REQUIRED.	SOUTH (-546') - 7 TREES - 7 SHRUBS	SOUTH (-546') - 7 TREES - 10 SHRUBS
SECTION 7.16: LANDSCAPING STANDARDS F. PARKING LOT INTERIOR REQUIREMENTS - LANDSCAPE ISLANDS WITH A SURFACE AREA EQUAL TO 5% OF THE AREA OF THE PAVED SURFACE SHALL BE PROVIDED IN ALL PARKING LOTS. - ALL LANDSCAPE ISLANDS MUST BE A MINIMUM OF 300 SQ. FT. IN AREA. - A MINIMUM OF 1 BROADLEAF/DECIDUOUS TREE SHALL BE PROVIDED FOR EVERY 300 SQ. FT. OF LANDSCAPED AREA REQ'D.	- 309,529 SF PAVED AREA x 5% = 15,476 SF ISLANDS - 52 TREES	- 16,886 SF ISLANDS - 52 TREES
SECTION 6.15: STREET TREE STANDARDS - 1 TREE PER 35 FEET OF FRONTAGE	MALLORY PKWY (-726) - 21 TREES	MALLORY PKWY (-726) - 21 TREES



SIDEWALK PLANTING DETAIL
SCALE: 1" = 20'

PLANT CERTIFICATE NOTE:

ORIGINAL ALTA, TOPOGRAPHY, UTILITIES, STORM SEWERS, AND ALL OTHER EXISTING CONDITIONS ITEMS WERE PREPARED BY BANNING ENGINEERING.
FINAL DRAWINGS FOR THE KROGER SITE WERE PREPARED BY WEIHE ENGINEERS, INC. AND JAMES K. SHINNEMAN. FINAL CONSTRUCTION PLANS ARE THOSE PLANS CONTAINING A FINAL REVISION DATE AFTER 02/12/2015. WEIHE ENGINEERS, INC. AND JAMES K. SHINNEMAN ACCEPT RESPONSIBILITY ONLY FOR THE KROGER SITE IMPROVEMENTS RELATED TO THE ENGINEERING WORK SHOWN ON THESE PLANS.



811
Know what's below.
Call before you dig.
Within Indiana Call
811 or 800-382-5544
24 Hours a Day, 7 Days a Week.
PER INDIANA STATE LAW IC 8-1-26,
IT IS AGAINST THE LAW TO EXCAVATE
WITHOUT NOTIFYING THE UNDERGROUND
LOCATION SERVICE TWO (2) WORKING
DAYS BEFORE COMMENCING WORK.

10505 N. College Avenue
Indianapolis, Indiana 46280
weihe.net
317 | 846 - 6611
800 | 452 - 6408
317 | 843 - 0546 (ax)
ALLAN H. WEIHE, P.E., L.S. - FOUNDER

WEIHE ENGINEERS
Land Surveying/Civil Engineering
Landscape Architecture

PROJECT NO.: W14.0460
DWG NAME: W140460-LOT.dwg
DATE: 02-12-2015
DATE: 02-12-2015
DATE: 02-12-2015

REVISIONS AND ISSUES:
SUBMITTED FOR INITIAL REVIEW

ROBERT A. MEZKOWSKI, REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF INDIANA
No. 00050888
NOTARY PUBLIC

ROBERT A. MEZKOWSKI, L.A. 80050880

PREPARED FOR:
KROGER STORE J-979
KROGER MARKETPLACE - MALLORY PARKWAY AND U.S. 31
LANDSCAPE PLAN
Part of the NEA of Section 15, Township 12 North, Range 4 East, Franklin Township, Johnson County, Indiana

SHEET NO.
L1.01
PROJECT NO.
W14.0460

Received: February 20, 2015

LOCATION: H:\2014\W140460\Engineering\Design\Concept\W140460-L1.01.dwg
DATE/TIME: February 20, 2015 - 11:03am
PLOTTER: HP DesignJet 5000PS