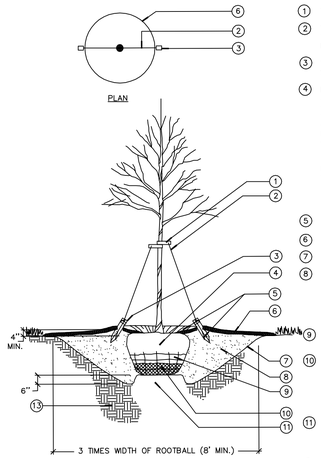


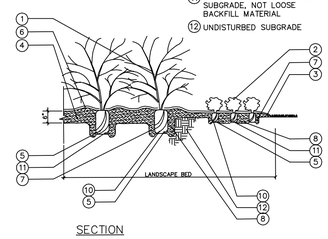
1. TREE STRAP
2. TREE GUY WIRE – ADD TURNBUCKLES IF NECESSARY TO STABILIZE TREE
3. TREE STAKE 2"x12" WOODEN STAKE
4. ROOTBALL:
   –IN SANDY / WELL DRAINED SOIL CONDITIONS: SET TOP SURFACE ELEVATION OF ROOTBALL FLUSH WITH FINAL EXISTING GRADE.
   –IN HEAVY CLAY / POORLY DRAINED SOIL CONDITIONS: SET TOP SURFACE ELEVATION OF ROOTBALL 1/4 – 1/3 OF ROOTBALL ABOVE FINAL EXISTING GRADE.
5. EARTHEN SAUCER
6. 4" MULCH LAYER
7. EXCAVATE PLANTING PIT TO 3 TIMES THE WIDTH OF ROOTBALL (8' MIN.)
8. FLARING SIDES OF PIT AS SHOWN. SCARIFY SIDES OF PIT SO THAT THE SIDES ARE NOT SMOOTH OR GLAZED.
9. BACKFILL WITH SOIL
10. REMOVE TOP 1/2 OF WIRE ROOT BALL BASKET OR ROOTBALL STRAPS. REMOVE ALL SYNTHETIC STRAP MATERIAL FROM ENTIRE ROOTBALL
11. REMOVE TOP 3/4 OF BURLAP ROOT BALL COVERING. REMOVE ALL SYNTHETIC COVERING FROM ENTIRE ROOTBALL.
12. PLACE ROOTBALL ON SOLID SUBGRADE – NOT LOOSE BACKFILL MATERIAL

UNDISTURBED SUBGRADE

1 TREE PLANTING (FOR SINGLE AND MULTI-STEM TREES)

SCALE: NTS

1. SHRUB PLANTING
2. GROUNDCOVER PLANTING
3. 4" MULCH LAYER
4. 6" DEPTH TILLED/AMENDED SOIL
5. ROOT BALL
   –IN SANDY / WELL DRAINED SOIL CONDITIONS: SET TOP SURFACE ELEVATION OF ROOTBALL FLUSH WITH FINAL EXISTING GRADE.
   –IN HEAVY CLAY / POORLY DRAINED SOIL CONDITIONS: SET TOP SURFACE ELEVATION OF ROOTBALL 1/4 – 1/3 OF ROOTBALL ABOVE FINAL EXISTING GRADE.
6. EARTHEN SAUCER
7. EXCAVATE PIT TO 2 TIMES THE WIDTH OF ROOTBALL. SCARIFY SIDES OF PIT SO THAT SIDES ARE NOT SMOOTH/GLAZED.
8. BACKFILL WITH SOIL
9. LARGER B&B MATERIAL:
   –REMOVE TOP 2/3 OF WIRE ROOT BALL BASKET OR ROOTBALL STRAPS. REMOVE ALL SYNTHETIC STRAP MATERIAL FROM ENTIRE ROOTBALL
   –REMOVE TOP 1/3 OF BURLAP ROOT BALL COVERING. REMOVE ALL SYNTHETIC COVERING FROM ENTIRE ROOTBALL
10. CONTAINER GROWN MATERIAL: REMOVE ENTIRE CONTAINER FROM AROUND PLANT AND SCARIFY PRIOR TO PLANTING.
11. PLACE ROOTBALL ON SOLID SUBGRADE, NOT LOOSE BACKFILL MATERIAL
12. UNDISTURBED SUBGRADE



2 SHRUB PLANTING BED

SCALE: NTS

CHRISTIAN BROTHERS AUTOMOTIVE PLANT SCHEDULE

TREES	CODE	QTY	COMMON NAME	BOTANICAL NAME	CONT	CAL	SIZE	REMARKS
	AR	4	Summer Red Red Maple	Acer rubrum `Summer Red`	B & B	2.5"Cal	10' MIN. HEIGHT	SPECIMEN, SINGLE LEADER
	CF	8	Cloud Nine Eastern Dogwood	Cornus florida `Cloud Nine`	15 gal	2.5"Cal	8' MIN. HEIGHT	SPECIMEN
	GB	8	Maidenhair Tree	Ginkgo biloba `Autumn Gold` TM	B & B	2.5"Cal	10' MIN. HEIGHT	SPECIMEN, SINGLE LEADER
	JB	14	Brodie Columnar Cedar	Juniperus virginiana `Brodie`	B & B	2.5"Cal	8' MIN. HEIGHT	SPECIMEN, MATCHED, FULL TO GROUND
	LN	3	White Crape Myrtle Multi-Trunk	Lagerstroemia x `Natchez`	B & B	2.5"Cal	10' MIN. HEIGHT	MINIMUM OF 3 STEMS
	PC	20	Bright `N Tight Carolina Laurel	Prunus caroliniana `Bright `N Tight` TM	B & B	2.5"Cal	8' MIN. HEIGHT	SPECIMEN, MATCHED, FULL TO GROUND
	TD	4	Bald Cypress	Taxodium distichum	B & B	2.5"Cal	10' MIN. HEIGHT	SPECIMEN, SINGLE LEADER
	TE	9	Emerald Arborvitae	Thuja occidentalis `Emerald`	B & B	2.5"Cal	8' MIN. HEIGHT	FULL TO GROUND
SHRUBS	**CODE**	**QTY**	**COMMON NAME**	**BOTANICAL NAME**	**CONT**		**SIZE**	**REMARKS**
	AC	38	Autumn Amethyst Azalea	Azalea x `Conlee`	3 gal		24" MIN. HEIGHT	FULL
	IC	19	Dwarf Burford Holly	Ilex cornuta `Burfordii Nana`	3 gal		24" MIN. HEIGHT	FULL
	IV	75	Dwarf Yaupon	Ilex vomitoria `Schillings Dwarf`	3 gal		24" MIN. HEIGHT	FULL
	MC	15	Regal Mist Pink Muhly	Muhlenbergia capillaris `Lenca`	3 gal		24" MIN. HEIGHT	FULL
GROUND COVERS	**CODE**	**QTY**	**COMMON NAME**	**BOTANICAL NAME**	**CONT**			**REMARKS**
		5,922 sf	Bermuda Grass	Cynodon dactylon	sod			
	HH	156	Happy Returns Daylily	Hemerocallis x `Happy Returns`	1 gal			3-5 BIBS PER POT
			Landscape Bed					DOUBLE HAMMERED, HARDWOOD MULCH

GENERAL LANDSCAPE NOTES:

1. ALL LANDSCAPED AREAS ARE TO RECEIVE 4" OF TOP SOIL, SOD, HARDWOOD MULCH, AND WATER UNTIL A HEALTHY STAND OF GRASS IS OBTAINED PER EARTHWORK SPECIFICATIONS.
2. ALL PLANTS MUST BE HEALTHY, VIGOROUS MATERIAL, FREE OF PESTS AND DISEASE.
3. ALL PROPOSED TREES NOT IN A LANDSCAPE BED WILL HAVE A 4' RADIUS MULCH RING AROUND THE TRUNK.
4. ALL PLANTS MUST BE CONTAINER GROWN OR BALLED AND BUR LAPPED AS INDICATED IN THE PLANT LIST.
5. ALL TREES MUST BE STRAIGHT TRUNKED AND FULL HEADED AND MEET ALL REQUIREMENTS SPECIFIED.
6. ALL PLANTS ARE SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT BEFORE, DURING, AND AFTER INSTALLATION.
7. ALL TREES MUST BE GUYED OR STAKED AS SHOWN IN THE DETAILS.
8. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES AND SHALL AVOID DAMAGE TO ALL UTILITIES AND SHALL AVOID DAMAGE TO ALL UTILITIES DURING THE COURSE OF THE WORK. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY AND ALL DAMAGE TO UTILITIES, STRUCTURES, SITE APPURTENANCES, ETC. WHICH OCCURS AS A RESULT OF THE LANDSCAPE CONSTRUCTION.
9. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL QUANTITIES SHOWN ON THESE PLANS BEFORE PRICING THE WORK.
10. CONTRACTOR IS RESPONSIBLE FOR DELIVERY SCHEDULE AND PROTECTION BETWEEN DELIVERY AND PLANTING PER SPECIFICATIONS TO MAINTAIN HEALTHY PLANT CONDITIONS.
11. THE CONTRACTOR IS RESPONSIBLE FOR FULLY MAINTAINING (INCLUDING BUT NOT LIMITED TO: WATERING, SPRAYING, MULCHING, FERTILIZING, ETC.) ALL OF THE PLANT MATERIALS AND LAWN UNTIL FINAL ACCEPTANCE , CERTIFICATE OF OCCUPANCY, OR A MOWABLE STAND OF GRASS IS ACHIEVED, WHICHEVER IS LAST.
12. THE CONTRACTOR SHALL COMPLETELY GUARANTEE ALL PLANT MATERIAL FOR A PERIOD DEFINED OF ONE YEAR BEGINNING ON THE DATE OF TOTAL ACCEPTANCE. THE CONTRACTOR SHALL PROMPTLY MAKE ALL REPLACEMENTS BEFORE THE END OF THE GUARANTEE PERIOD.
13. AFTER BEING DUG AT THE NURSERY SOURCE, ALL TREES IN LEAF SHALL BE ACCLIMATED FOR TWO (2) WEEKS UNDER A MIST SYSTEM PRIOR TO INSTALLATION.
14. ANY PLANT MATERIAL WHICH DIES, TURNS BROWN, OR DEFOLIATES (PRIOR TO TOTAL ACCEPTANCE OF THE WORK) SHALL BE PROMPTLY REMOVED FROM THE SITE AND REPLACED WITH MATERIAL OF THE SAME SPECIES, QUANTITY, AND SIZE AND MEETING ALL PLANT LIST SPECIFICATIONS.
15. STANDARDS SET FORTH IN "AMERICAN STANDARD FOR NURSERY STOCK" (MOST CURRENT EDITION) REPRESENT GUIDELINE SPECIFICATIONS ONLY AND SHALL CONSTITUTE MINIMUM QUALITY REQUIREMENTS FOR PLANT MATERIAL.
15. ALL MULCH AREAS AROUND TREES (4' DIAMETER, TYP.) ARE TO BE COMPLETELY COVERED WITH DOUBLE HAMMERED, HARDWOOD MULCH TO A MINIMUM DEPTH OF FOUR INCHES.
16. LOCATIONS OF EXISTING BURIED UTILITY LINES SHOWN ON THE PLANS ARE BASED UPON BEST AVAILABLE INFORMATION AND ARE TO BE CONSIDERED APPROXIMATE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE LOCATIONS OF UTILITY LINES AND ADJACENT TO THE WORK AREA. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL UTILITY LINES DURING THE CONSTRUCTION PERIOD.
17. SAFE, CLEARLY MARKED PEDESTRIAN AND VEHICULAR ACCESS TO ALL ADJACENT PROPERTIES MUST BE MAINTAINED THROUGHOUT THE CONSTRUCTION PROCESS.
18. FOR NEW PLANTING AREAS, REMOVE ALL PAVEMENT, GRAVEL SUB–BASE AND CONSTRUCTION DEBRIS.
19. LARGE MATURING TREES MAY NOT BE PLANTED WHERE OVERHEAD DISTRIBUTION OR TRANSMISSION LINES EXIST. IF TREES CONFLICT WITH POWER LINES OR SIGNS, CALL THE OWNER TO RESOLVE BEFORE PLANTING.
20. NO SUBSTITUTIONS SHALL BE MADE WITHOUT THE WRITTEN AUTHORIZATION OF THE PROJECT LANDSCAPE ARCHITECT.
21. ALL PLANT LOCATIONS SHALL BE STAKED IN THE FIELD FOR APPROVAL BY PROJECT LANDSCAPE ARCHITECT OR THE OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.
22. ALL PROPOSED TREES WITHIN SIGHT TRIANGLES AND ALONG ROADWAYS TO BE LIMBED UP TO CLEAR SIGHT OBSTRUCTION.
23. ALL DISTURBED AREAS TO BE SODDED WITH BERMUDA GRASS OR FULLY LANDSCAPED.

CHRISTIAN BROTHERS AUTOMOTIVE LANDSCAPE SUMMARY

FRONT LOT LINE:
MEDIUM CANOPY/SMALL ORNAMENTAL TREES MUST BE PLANTED AN AVERAGE OF EVERY 30' O.C.
86 LF/30 LF = 3 MEDIUM CANOPY/SMALL ORNAMENTAL TREE REQUIRED
3 ORNAMENTAL TREES PROVIDED

INTERNAL PARKING LOT:
1 TREE FOR EVERY 15 PARKING STALLS PROVIDED
35% OF THE VEHICULAR USE ARE TO BE PROVIDED IN TREE CANOPY COVERAGE
25/15 = 2 TREES REQUIRED
16,011 * .35 = 5,604 SF OF CANOPY COVER REQUIRED

7 CANOPY TREES PROVIDED
6,300 SF OF CANOPY PROVIDED (7*900)

PERIMETER PARKING LOT REQUIREMENTS:
MEDIUM/LARGE DECIDUOUS TREES MUST BE PLANTED AN AVERAGE OF 30' O.C.
EVERGREEN SHRUBS PLANTED AT A MIN OF 36" O.C.

LANDSCAPING ADJACENT TO BUILDINGS:
LANDSCAPE STRIP DENSELY PLANTED WITH PLANTS A MIN OF 24" IN HEIGHT AT INSTALLATION

57 SHRUBS PROVIDED (EXCEPT WHERE PLANTING WOULD IMPACT THE 22" OAK TREE ROOT ZONE)
5 SMALL EVERGREEN TREES PROVIDED

SIDE BUFFER:
25' BUFFER PLANTED WITH A MIXTURE OF SMALL, MEDIUM, OR LARGE ORNAMENTAL/DECIDUOUS TREES PLANTED AN AVERAGE OF 30' O.C.

140 LF / 30 LF = 5 TREES REQUIRED
6 TREES PROVIDED (1 EXISTING TO REMAIN)

TREE PROTECTION:
10% OF SITE AREA IS REQUIRED TO BE SAVED

33,527 SF * .10 = 3,352 SF REQUIRED TO BE SAVED

3,606 SF PROVIDED

ZAXBY'S PLANT SCHEDULE, LANDSCAPE SUMMARY, AND NOTES

NOTES:

1. LANDSCAPING SHOWN ON THIS PLAN SHALL BE MAINTAINED IN COMPLIANCE WITH CITY LANDSCAPING ORDINANCE
2. TREES SELECTED FOR PLANTING MUST BE FREE FROM INJURY, PESTS, DISEASE, NUTRITIONAL DISORDERS OR ROOT DEFECTS, AND MUST BE OF GOOD VIGOR, SO AS TO ASSURE A REASONABLE EXPECTATION OF SURVIVABILITY.
3. ALL TREES TO BE BALLED AND BURLAPPED WHEN SHIPPED TO THE SITE FOR PLANTING.
4. TREES TO BE A MINIMUM OF 10' IN HEIGHT AT TIME OF PLANTING.
5. ALL DISTURBED GROUND SHALL HAVE GROUND COVER OF MULCH AND/OR GRASSING.
6. SOD SPECIES SHALL SPECIFIED BY OWNER.
7. IRRIGATION SHALL BE PROVIDED.

Plant List:					
Botanical Name	Common Name	Key	Size - Units	Quantity	Spacing
Groundcover					
Sod		SOD	10,404 S.F.		
Shrubs					
Muhlenbergia capillaris 'White Cloud'	White Muhly Grass	W.M.G.	3 gallon/24" high	92	3' o.c.
Muhlenbergia capillaris	Pink Muhly Grass	P.M.G.	3 gallon/24" high	247	3' o.c.
Azalea x 'Conlee'	Azalea Autumn Amethyst	A.A.	3 gallon/24" high	211	3' o.c.
Camellia Sasanqua 'Yuletide'	Sasanqua Camellia	S.C.	3 gallon/36" high	30	3' o.c.
Ilex crenata 'Sky Pencil'	Sky Pencil Holly	S.P.H.	7 gallon/36" high	11	4' o.c.
Ilex cornuta burfordii	Burford Hooly	B.H.	7 gallon/36" high	22	3' o.c.
Ilex cornuta burfordii nana	Dwarf Burford Holly	D.B.H.	3 gallon/24" high	60	3' o.c.
Juniperus horizontalis	Creeping Juniper	C.J.	7 gallon/36" high	34	3' o.c.
Trees					
Acer rubrum 'Summer Red'	Summer Red Red Maple	R.M.	2.5" Caliper	13	SEE PLAN
Ginkgo bilboa 'Autumn Gold' TM	Maidenhair Tree	M.T.	2.5" Caliper	9	SEE PLAN

LANDSCAPE CALCULATIONS:

INTERIOR PARKING AREA LANDSCAPING REQUIREMENTS:
35% CANOPY COVER FOR PARKING AREA = 26,310 S.F. * 0.35 =
9,209 S.F. CANOPY COVER REQUIRED
9 LARGE TREES = 9 * 1,600 S.F. = 14,400 S.F. CANOPY COVER PROPOSED
14,400 S.F. TOTAL CANOPY COVER PROVIDED (26% OF TOTAL SITE)

FOUNDATION LANDSCAPING REQUIREMENTS:
3 FT SHRUB PLANTING BED AROUND BUILDING = 940 S.F. LANDSCAPED AREA
1,440 S.F. FOUNDATION LANDSCAPED AREA PROVIDED

NOTES:

EX. TREES WITHIN TREE PROTECTION FENCE THAT ARE TO REMAIN SHALL BE REPLACED IF DAMAGED DURING CONSTRUCTION.

Know what's below. Call before you dig.

Kimley-Horn and Associates, Inc
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SUITE 440
CHARLOTTE, NORTH CAROLINA 28203
PHONE: (704) 333-5131
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NO.	DATE	REVISIONS

CLIENT: Christian Brothers AUTOMOTIVE
15995 N. BARKERS LANDING
SUITE 145
HOUSTON, TX 77079

PROJECT: CBAC INDIAN TRAIL
13915 HWY 74 WEST
INDIAN TRAIL, NORTH CAROLINA 28079

TITLE: LANDSCAPE NOTES AND DETAILS

DESIGNED BY:	KRT
DRAWN BY:	RDH
CHECKED BY:	ECH
DATE:	01/24/2014
PROJECT#:	015635004

C5-2

July 02, 2014 – 11:12am By: hollie.cotery
K:\CHL_PR\015635 Christian Brothers Automotive\004 – Indian Trail, NC\Dwg\C5-0 COMBINED LANDSCAPE PLAN.dwg
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