



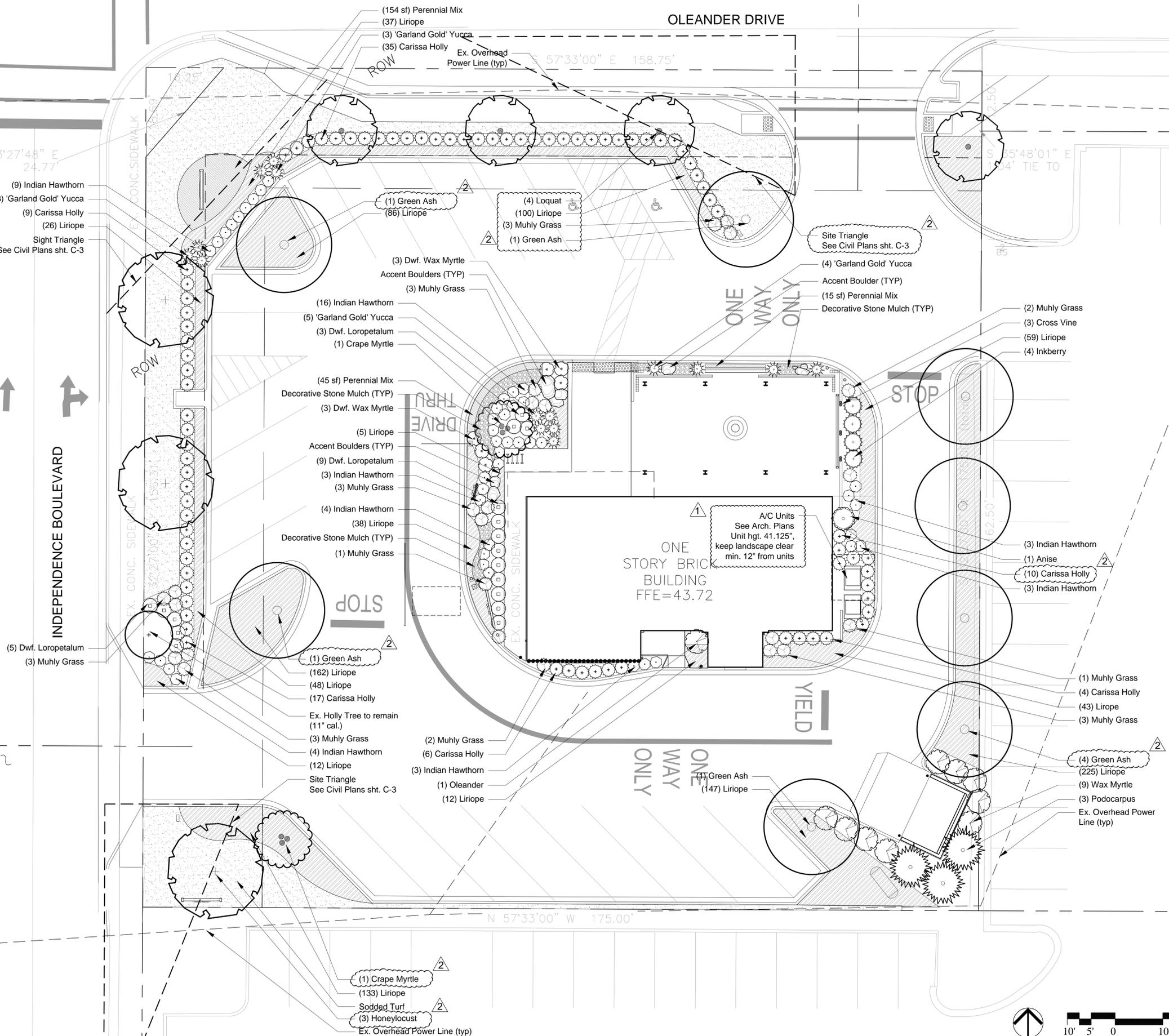
VICINITY MAP
SCALE: 1" = 1000'

GENERAL NOTES:

- All planted and retained living material, required to meet provisions of the city of Wilmington's landscape requirements shall be perpetually protected and maintained to professionally accepted standards by joint and several responsibility of the owner, occupant, tenant, and respective agents of the property on which the material is located. Maintenance of trees on non-residential property shall be performed by a professional that has signified that they are knowledgeable of both ANSI standards and the OSHA standards for tree pruning, removal, and safety and that they are insured against potential damages. Any planted material that becomes damaged or diseased or dies, or is improperly maintained shall be replaced by the owner within sixty (60) days of the occurrence of such condition.
- Areas within the triangular sight distance shall be maintained free of all obstructions between 30" and 10'.
- A rain/freezer sensor shall be used if there an irrigation system used on the site.

INDEPENDENCE BOULEVARD

OLEANDER DRIVE



CITY OF WILMINGTON
NORTH CAROLINA
Public Services • Engineering Division
APPROVED DRAINAGE PLAN
Date: _____ Permit # _____
Signed: _____

For each open utility cut of City streets, a \$325 permit shall be required from the City prior to occupancy and/or project acceptance.

| Approved Construction Plan | |
|----------------------------|-------|
| Name | Date |
| Planning | _____ |
| Public Utilities | _____ |
| Traffic | _____ |
| Fire | _____ |



REVISIONS

| | |
|----------|--------------------------|
| 09.18.12 | - Issued For Permit |
| 11.07.12 | - Rev. per City Comments |
| 11.20.12 | - Rev. per City Comments |



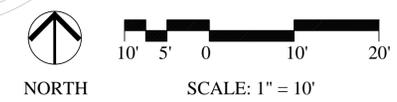
LANDSCAPE PLAN

Issued For Construction

STARBUCKS
3502 OLEANDER DRIVE
WILMINGTON, N.C.

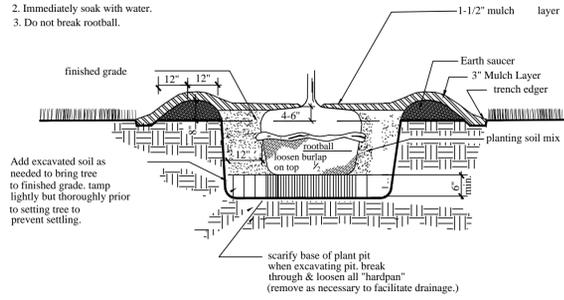
| | |
|----------|-------------|
| DATE | 09-18-12 |
| JOB NO. | 2012010 |
| SCALE | 1" = 10'-0" |
| DRAWN BY | CK |
| CHKD BY | RM |

DISCLAIMER
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RAA DESIGN



Date: Nov. 26, 2012, 10:20am. User: G. Kay, Kiser, Lutz. File: K:\2012\2012010 - Starbucks Wilmington (Wg)\Starbucks - Wilmington - current.dwg

- GENERAL NOTES:**
1. Do not allow air pockets to form when backfilling.
 2. Immediately soak with water.
 3. Do not break rootball.

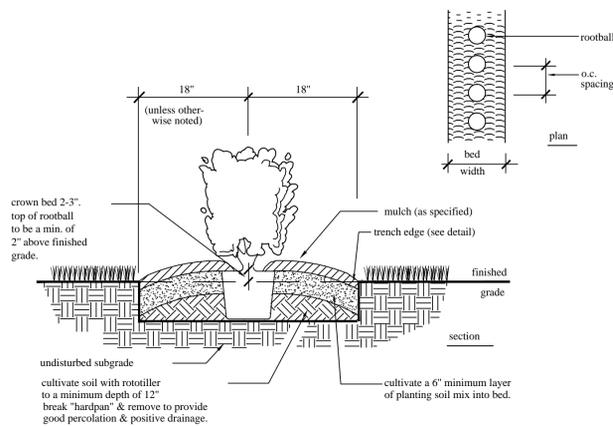


PLANTING PROCEDURE

1. excavate rootball pit.
2. add excavated soil & tamp.
3. set tree such that top of rootball is 2-3" higher than finished grade.
4. backfill w/ soil mix & "water in".
5. stake & guy securely.
6. complete backfilling, construct trench edge & add specified mulch.

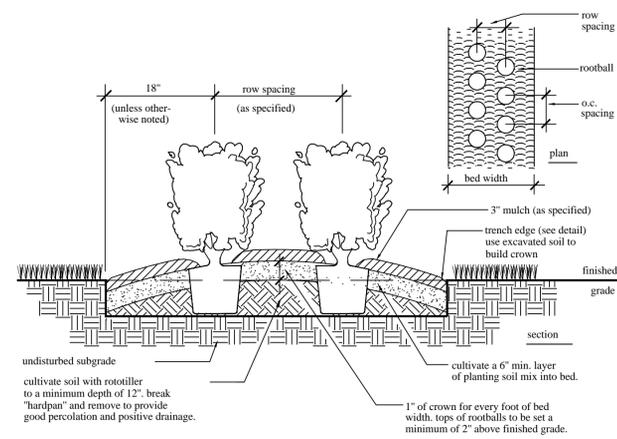
TYP. TREE ROOTBALL PIT

N.T.S.



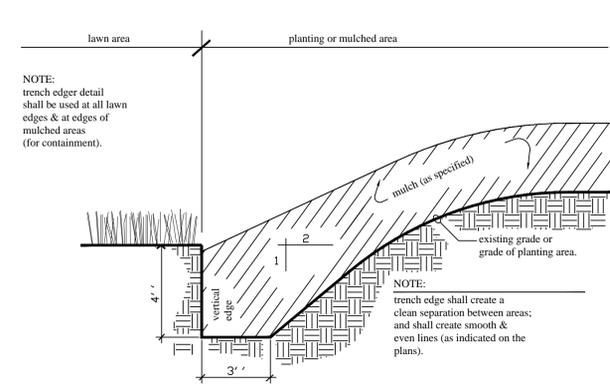
HEDGE PLANTING (SINGLE ROW)

N.T.S.



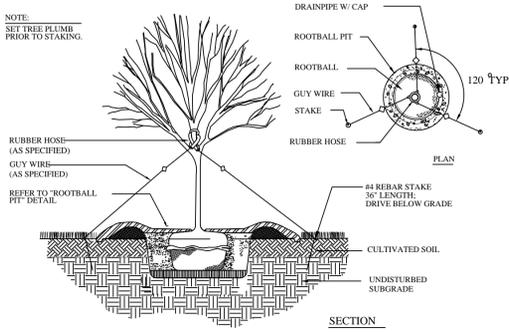
HEDGE PLANTING (DOUBLE ROW)

N.T.S.



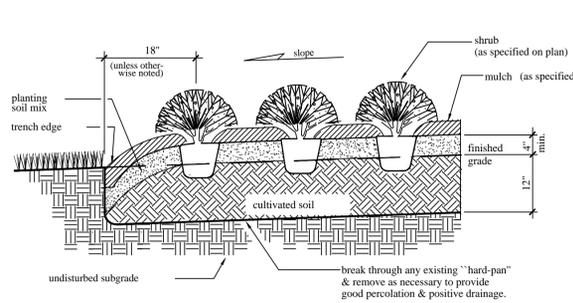
TRENCH EDGER

N.T.S.



TREE STAKING & GUYING

N.T.S.

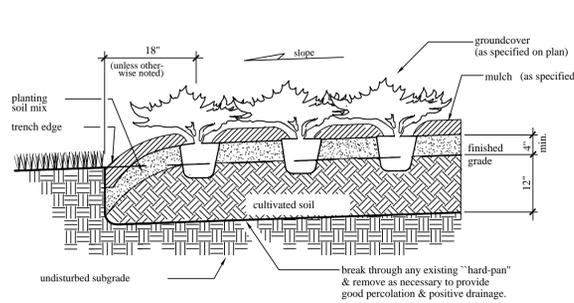


PLANTING PROCEDURE

1. lay out bed and outline with trench edge, place soil from edge within bed.
2. rototill bed to 12" depth, spread 4" min. layer of planting soil mix over bed, rototill soil mix into top of bed, install plants & mulch, water thoroughly.

SHRUB PLANTING

N.T.S.

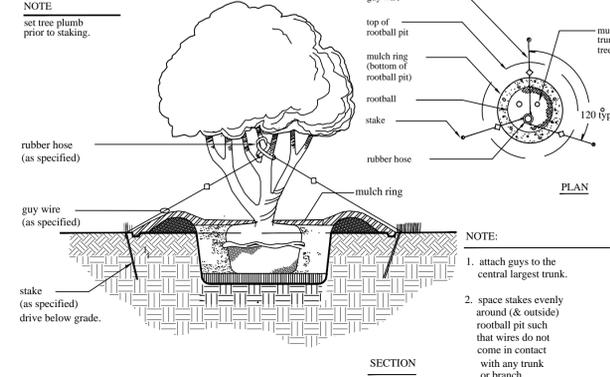


PLANTING PROCEDURE

1. lay out bed and outline with trench edge, place soil from edge within bed.
2. rototill bed to 12" depth, spread 4" min. layer of planting soil mix over bed, rototill soil mix into top of bed, install plants & mulch, water thoroughly.

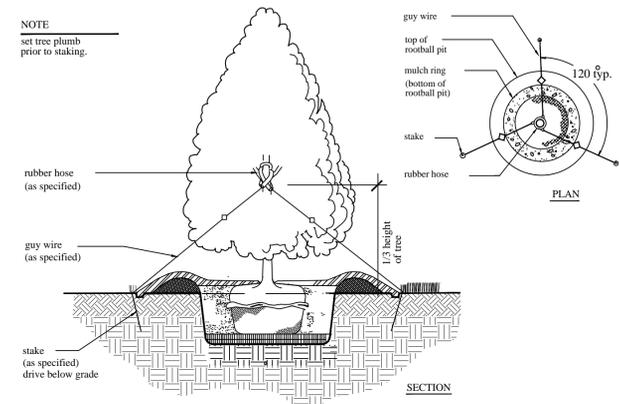
GROUNDCOVER PLANTING

N.T.S.



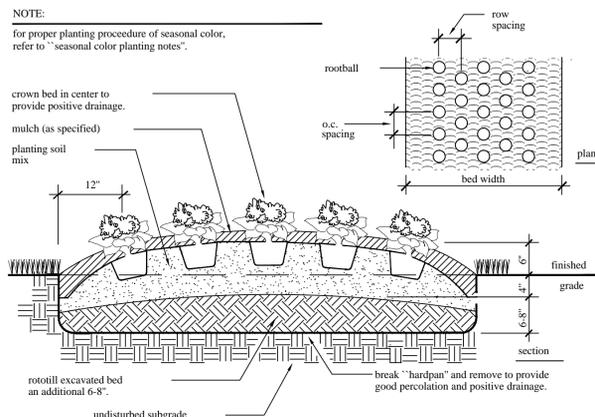
MULTI-TRUNK TREE STAKING

N.T.S.



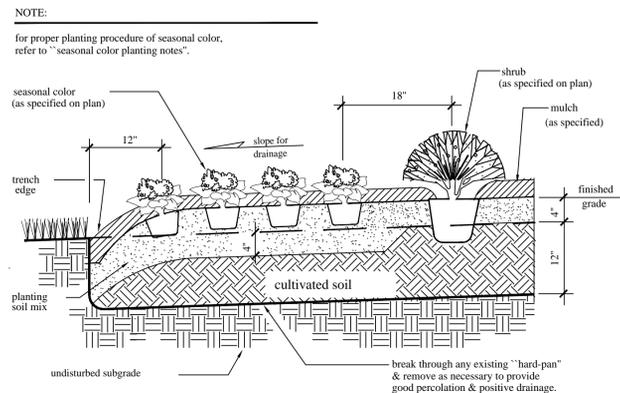
EVERGREEN TREE STAKING

N.T.S.



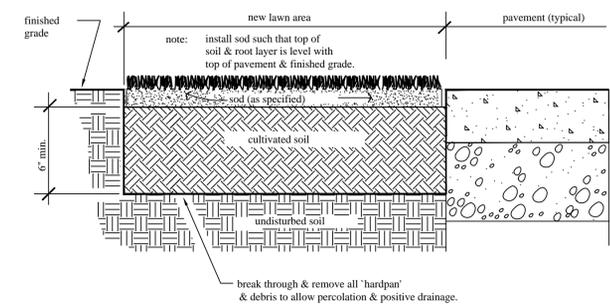
SEASONAL COLOR BED

N.T.S.



SEASONAL COLOR BED (FRONTING SHRUB BED)

N.T.S.



SODDING PROCEDURE

1. the general contractor will provide grades to (+/- .20) of a foot of proposed grades.
2. cultivate entire area to a minimum 6" depth, handrake smooth.
3. add additives (as per soil test analysis) & rototill.
4. water area to be sodded prior to laying sod.
5. lay & roll sod, water thoroughly.

SOD INSTALLATION

N.T.S.



REVISIONS

| | |
|----------|--------------------------|
| 09.18.12 | - Issued For Permit |
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LANDSCAPE DETAILS

STARBUCKS
3502 OLEANDER DRIVE
WILMINGTON, N.C.

Issued For Construction

| | |
|----------|----------|
| DATE | 09-18-12 |
| JOB NO. | 202000 |
| SCALE | NTS |
| DRAWN BY | GK |
| CHKD BY | RM |

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SHEET
LS-2
2 OF 3

Date: Nov. 26, 2012, 10:21am, User: G. Kiser, Last: G. Kiser, File: K:\2012\2012010 - Starbucks Wilmington (Wg) Starbucks - current.dwg

For each open utility cut of City streets, a \$325 permit shall be required from the City prior to occupancy and/or project acceptance.

CITY OF WILMINGTON
NORTH CAROLINA
Public Services • Engineering Division
APPROVED DRAINAGE PLAN

Date: _____ Permit # _____
Signed: _____

Approved Construction Plan

| | |
|------------------|-------|
| Name | Date |
| Planning | _____ |
| Public Utilities | _____ |
| Traffic | _____ |
| Fire | _____ |

GENERAL PLANTING NOTES

- All plants must be healthy, vigorous material, free of pests and disease.
- All plants must be container-grown or balled and burlapped (B&B) as indicated in the plant list.
- All trees must be straight trunked, full headed and meet all requirements as specified.
- All plants are subject to the approval of the Landscape Architect and the Owner before, during, and after installation.
- All trees must be guyed or staked as shown in the details.
- All plants and planting areas must be completely mulched as specified.
- Prior to construction, the Landscape Contractor shall be responsible for locating all underground utilities and shall avoid damage to all utilities during the course of work. The Landscape Contractor is responsible for repairing any and all damage to utilities, structures, site appurtenances, etc. which occurs as a result of the landscape construction.
- The Landscape Contractor is responsible for verifying all quantities shown on these plans before pricing the work.
- The Landscape Contractor is responsible for fully maintaining all planting (including, but not limited to: watering, spraying, mulching, fertilizing, etc.) of planting areas and lawns until the work is accepted in total by the Landscape Architect and the Owner.
- The Landscape Contractor shall completely guarantee all plant material for a period of one (1) year beginning at the date of final acceptance. The Landscape Contractor shall promptly make all replacements before or at the end of the guarantee period (as per direction of the Owner).
- The Owner agrees to perform all landscape maintenance (including watering) throughout the one year guarantee period unless otherwise determined.
- The Landscape Architect will approve the staked location of all plant material prior to installation.
- After being dug at the nursery source, all trees in leaf shall be acclimate for two (2) weeks under a mist system prior to installation.
- Any plant material which dies, turns brown, or defoliates (prior to total acceptance of work) shall be promptly removed from the site and replaced with material of the same species, quantity, size and meeting all plant list specifications.
- Standards set forth in 'American Standards for Nursery Stock' represent guideline specifications only, and constitute a minimum quality requirements for plant material.

PLANTING SOIL MIX NOTES

- Landscape Contractor shall supply all planting soil. Planting soil shall be mixed and stored on site.
- Landscape Contractor shall furnish (from his source) a good, clean, dark, loamy, topsoil. Topsoil must be approved by the Landscape Architect.
- The planting soil mix must be approved Landscape Architect prior to any backfilling.
- The planting soil mix shall consist of the following for trees, shrubs and groundcovers:
50% topsoil
50% prepared additives (by volume as follows)
3 parts humus
1 part sterilized cow manure
commercial fertilizer at 4 lbs./cu. yd.
lime (as recommended in soil analysis)

SEASONAL COLOR PLANTING NOTES

- Excavate seasonal color bed to depth of 4". Remove existing soil from site. Break through hardpan and remove all stone, roots, debris, etc. Rototill excavated bed an additional 6-8" depth.
- Slope the base of the seasonal color bed to the trench edge
- Prepare planting soil mix consisting of topsoil and the following soil amendments per 50 sq. ft.:
50 lbs. composted cow manure
200 lbs. humus
100 lbs. pine bark mulch (fingernailed size, 1/4" max.), or mini nuggets
3 c.f. Nature's Helper
200 lbs. sand (decrease quantity of topsoil has large amounts of existing sand)
5 lbs. lime (adjust for alkaline soils)
- Add 6" of planting soil to excavated bed and rototill into existing soil
- Place additional planting soil mix to raise entire bed 6" above finished grade. If seasonal bed fronts a shrub or groundcover bed, match that bed's height (4" above finished grade) and continue positive drainage toward trench edge.
- Rototill entire bed to depth of 12" +/-
- Evenly spread fertilizer appropriate to variety of seasonal color at a maximum rate of 2.5 lbs. per 100 sq. ft. and rake into top 3" of soil.
- Plant seasonal color as specified and at indicated spacing shown on plans.
- Edge seasonal color bed and mulch as specified.
- Water thoroughly

| Trees | | | | | | | | | | |
|-------|------|------------------------------------|---------------|---------|----------|--------|-------|-------|---------------------------------------|--|
| Qty. | Sym. | Botanical Name | Common Name | Size | Spacing | Hgt. | Width | Root | Notes | |
| 4 | ⊙ | Eriobotrya japonica | Bronze Loquat | 3" cal. | as shown | 7-8' | 5-6' | cont. | Hand tagged - three equal canes, min. | |
| 8 | ⊙ | Fraxinus pennsylvanica | Green Ash | 3" cal. | as shown | 10-12' | 6-7' | cont. | Hand tagged | |
| 3 | ⊙ | Gleditsia triacanthus var. inernis | Honeylocust | 3" cal. | as shown | 10-12' | 6-7' | cont. | Hand tagged | |
| 3 | ⊙ | Podocarpus macrophyllus var. maki | Podocarpus | 15 gal | as shown | 7' | 4' | cont. | Hand tagged | |
| 2 | ⊙ | Lagerstroemia x Natchez | Crape Myrtle | 2" cal | as shown | 8' | 8' | cont. | Hand tagged - three equal canes, min. | |

| Shrubs | | | | | | | | | | |
|--------|------|--|------------------|--------|---------|------|-------|-------|-------------|--|
| Qty. | Sym. | Botanical Name | Common Name | Size | Spacing | Hgt. | Width | Root | Notes | |
| 76 | ⊙ | Ilex cornuta 'Carissa' | Carissa Holly | 3 gal. | 3' o.c. | 3' | 4' | cont. | Hand tagged | |
| 4 | ⊙ | Ilex glabra 'Shamrock' | Inkberry | 3 gal. | 3' o.c. | 3' | 3' | cont. | Hand tagged | |
| 1 | ⊙ | Illicium parviflorum | Anise | 7 gal. | 5' o.c. | 8' | 8' | cont. | Hand tagged | |
| 12 | ⊙ | Loropetalum chinense var. rubrum 'Blush' | Loropetalum | 3 gal. | 3' o.c. | 3' | 3' | cont. | Hand tagged | |
| 6 | ⊙ | Myrica cerifera var. pumila | Dwarf Wax Myrtle | 3 gal. | 3' o.c. | 2' | 2' | cont. | Hand tagged | |
| 9 | ⊙ | Myrica cerifera | Wax Myrtle | 5 gal. | 4' o.c. | 4' | 4' | cont. | Hand tagged | |
| 1 | ⊙ | Nerium oleander | Oleander | 5 gal. | 4' o.c. | 4' | 4' | cont. | Hand tagged | |
| 46 | ⊙ | Rhaphiolepis indica | Indian Hawthorn | 3 gal. | 3' o.c. | 2' | 2' | cont. | Hand tagged | |
| 9 | ⊙ | Yucca filamentosa 'Garland Gold' | Yucca | 3 gal. | 3' o.c. | 2' | 2' | cont. | Hand tagged | |

| Ornamental Grass | | | | | | | | | | |
|------------------|------|-------------------------|------------------|--------|---------|------|-------|-------|-------------|--|
| Qty. | Sym. | Botanical Name | Common Name | Size | Spacing | Hgt. | Width | Root | Notes | |
| 18 | ⊙ | Muhlenbergia capillaris | Pink Muhly Grass | 3 gal. | 3' o.c. | 2' | 2' | cont. | Hand tagged | |

| Vines | | | | | | | | | | |
|-------|------|---------------------|-------------|--------|----------|------|-------|-------|---------------|--|
| Qty. | Sym. | Botanical Name | Common Name | Size | Spacing | Hgt. | Width | Root | Notes | |
| 3 | ⊙ | Bignonia capreolata | Cross Vine | 1 gal. | as shown | | | cont. | Train to wall | |

| Groundcover | | | | | | | | | | |
|-------------|------|-----------------|-------------|--------|----------|------|-------|-------|-------------|--|
| Qty. | Sym. | Botanical Name | Common Name | Size | Spacing | Hgt. | Width | Root | Notes | |
| 1290 | ⊙ | Liriope muscari | Liriope | 4" pot | 18" o.c. | | | cont. | Hand tagged | |

| Perennials | | | | | | | | | | |
|------------|------|--------------------------|----------------------|--------|----------|------|-------|-------|--|--|
| Qty. | Sym. | Botanical Name | Common Name | Size | Spacing | Hgt. | Width | Root | Notes | |
| 214 sf | ⊙ | Perennial Mix A | | 4" pot | 18" o.c. | | | cont. | Equal ratio of plant mix, plant in natural plant groupings | |
| | | Artemisia absinthium | Artemisia | | | | | | | |
| | | Baptisia australis | Blue Wild Indigo | | | | | | | |
| | | Coreopsis verticillata | Threadleaf Coreopsis | | | | | | | |
| | | Gaillardia x grandiflora | Blanket Flower | | | | | | | |
| | | Lavandula angustifolia | Lavender | | | | | | | |
| | | Rudbeckia fulgida | Black Eyed Susan | | | | | | | |
| | | Salvia leucantha | Velvet Sage | | | | | | | |

| Groundcover | | | | | | | | | | |
|-------------|------|----------------|-------------|------|---------|------|-------|------|-------|--|
| Qty. | Sym. | Botanical Name | Common Name | Size | Spacing | Hgt. | Width | Root | Notes | |
| | ⊙ | | Bermuda Sod | | | | | | | |
| | ⊙ | | Zoysia Sod | | | | | | | |

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Name _____ Date _____

Planning _____
Public Utilities _____
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Fire _____



REVISIONS

09.18.12 - Issued For Permit
11.07.12 - Rev. per City Comments
11.20.12 - Rev. per City Comments



LANDSCAPE NOTES

STARBUCKS
3502 OLEANDER DRIVE
WILMINGTON, N.C.

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JOB NO.: 202000
SCALE: NTS
DRAWN BY: GK
CHKD BY: RM

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