

**MEMORANDUM OF UNDERSTANDING
BY AND BETWEEN
MAYOR AND CITY COUNCIL OF BALTIMORE
AND
BALTIMORE RACING DEVELOPMENT, LLC**

THIS MEMORANDUM OF UNDERSTANDING (“MOU”) is entered into this 8th day of August 2011 by and between the **MAYOR AND CITY COUNCIL OF BALTIMORE**, a political subdivision of the State of Maryland (“City”) and **BALTIMORE RACING DEVELOPMENT, LLC (“BRD”)**, a limited liability company duly organized and existing under the laws of the State of Maryland and registered to do business in the State (hereinafter individually the “Party” or collectively the “Parties”).

WHEREAS, the Parties entered into the Motorsports Development Agreement on May 5, 2010 regarding a three day motorsports festival to be held in Baltimore City beginning in 2011 (the “Agreement”), referred to in this MOU as the “Race”; and

WHEREAS, after the Agreement was executed by the Parties, the parties agreed that certain plantings and trees in the Race area needed to be removed and replaced in accordance with a Tree Plan (“Tree Plan”); and

WHEREAS, the Parties now wish to enter this MOU to provide detail for the Tree Plan;

The Parties agree as follows:

1. The City agrees to BRD’s removal of trees and plantings as indicated on Exhibit A.
2. Grand Prix Corridor Trees and Plantings
 - a. After the 2011 Race, BRD will install trees and plantings as indicated on Exhibit A. The trees, plantings, and containers will be of the type and size indicated in Exhibit A. and maintained by BRD according to Exhibit B
 - b. Each succeeding year of the Race, BRD will remove the trees and plants in containers and return the trees and plants in containers to the same locations after the Race..
 - c. BRD is responsible for safely storing removed trees, plants, and containers while removed from their normal locations for the Race.
 - d. BRD will maintain the trees, plantings, and containers throughout the year, according to the specifications contained in Exhibit B.


- e. After the final Race, BRD will remove all tree and plant containers and store the containers, trees, and plants where approved by the City Arborist.
 - f. Time Frames
 - i. Initial Planting—Trees and plants shall be initially installed as provided by Exhibits A and B. In the event of any inconsistency between Exhibits A and B, Exhibit A governs.
 - ii. Removal before Subsequent Races -- BRD may remove trees, plantings, and containers as provided by Exhibits A and B. In the event of any inconsistency between Exhibits A and B, Exhibit A governs. If neither Exhibit A nor Exhibit B set a clear time when BRD may begin removal, then BRD may remove trees, plantings, and containers when it begins installing race track elements such as fencing and bleachers, but in no event sooner than forty-five days before a Race. BRD must coordinate removal with the City arborist and obtain the City arborist's approval in advance of each removal.
3. Reinstallation after Subsequent Races -- Trees and plants shall be reinstalled as provided by Exhibits A and B. In the event of any inconsistency between Exhibits A and B, Exhibit A governs. If neither Exhibit A nor Exhibit B set a clear time when BRD must complete reinstallation, then BRD must reinstall trees, plantings, and containers while it removes track elements such as fencing and bleachers, but in any event no later than thirty days after a Race.. Non Race Course Trees
- a. Within sixty (60) days of the conclusion of the 2011 Race, BRD will plant a tree in each empty tree pit within the Downtown Business District using the Technical Specifications and planting list identified in Attachments C-1 and C-2. The City Arborist will determine the species and size of tree for each tree pit.
 - b. BRD will maintain the trees, plantings, and containers throughout the year, according to the Technical Specifications: Grand Prix Tree Replacements and Maintenance in Exhibits C-1 and C-2.
4. With the written approval of the City arborist, BRD may change the type of tree or planting at any location.
5. Under this MOU, BRD is required to install, reinstall, and maintain trees. The City will provide BRD written notice of any tree not installed or reinstalled as required by this MOU, or which dies as a result of BRD's failure to maintain the tree as required by this MOU. BRD will have sixty days from the date of the notice to install a tree as required under this MOU. If BRD fails to install a replacement tree, it shall pay to the City five hundred dollars in liquidated damages for each tree not installed or dead.
6. BRD is responsible for all expenditures associated with this Tree Plan, including purchase of trees, plants and containers, and their planting, maintenance, removal, and replacement.

ATTEST:

Custodian of City Seal

WITNESS:

MAYOR AND CITY COUNCIL
OF BALTIMORE

By: 
Stephanie Rawlings-Blake
Mayor, City of Baltimore

BALTIMORE RACING
DEVELOPMENT, LLC

By: 
James G. Davidson, Authorized
Agent

Approved As to Form and Legal
Sufficiency This 8 Day of

August 2011.

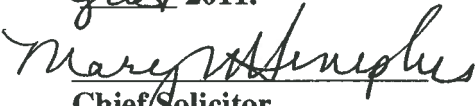
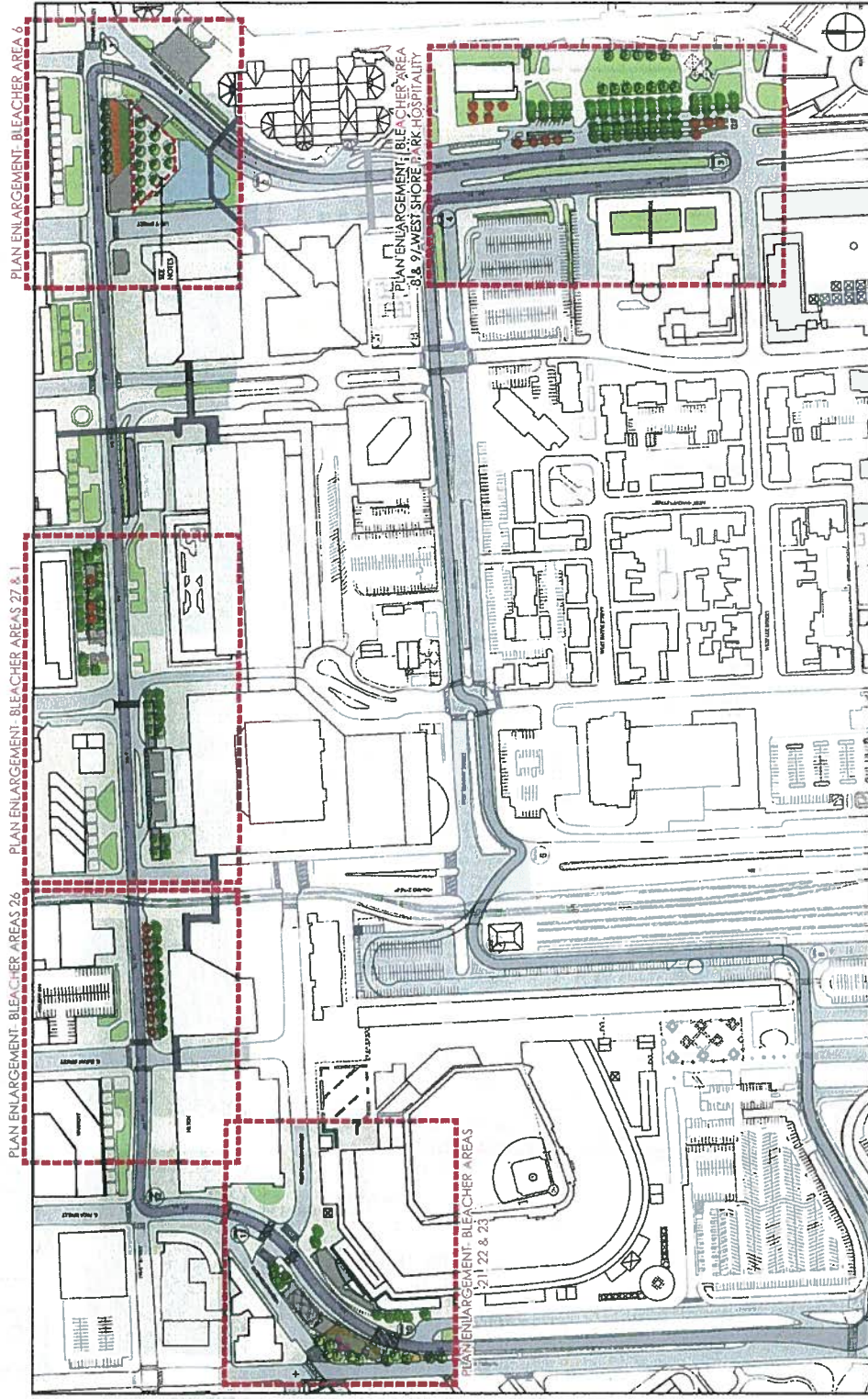

Chief Solicitor

Exhibit A



LEGEND

- EXISTING TREE TO BE REMOVED
- EXISTING TREE TO BE REPLACED
- EXISTING FLOWERING TREE TO BE REPLACED
- EXISTING FLOWERING TREE TO REMAIN
- EXISTING TREE TO REMAIN
- PROPOSED SHADE TREE

PROPOSED PLANTER SCHEDULE

PLANTER SIZE*	LARGE (6'-8" SQ.)
FIRST YEAR	12
TOTAL FIRST YEAR	12

*NOTE: ALL PLANTERS WILL HAVE SELF IRRIGATING WELLS

TREE PLAN TOTALS

TREES ALONG ROUTE
 TREES REMOVED BY BALTIMORE GRAND PRIX: 31
 TREES REMOVED BY PRIVATE OWNER: 9
 TREES REPLACED/ADDED BY BALTIMORE GRAND PRIX: 62
 TREES ADDED DOWNTOWN*

TOTAL REMOVED: 40 TOTAL REPLACED/ADDED: 197

*NOTE: TREES TO BE ADDED TO EXISTING TREE PITS DOWNTOWN WITH DEAD OR MISSING TREES

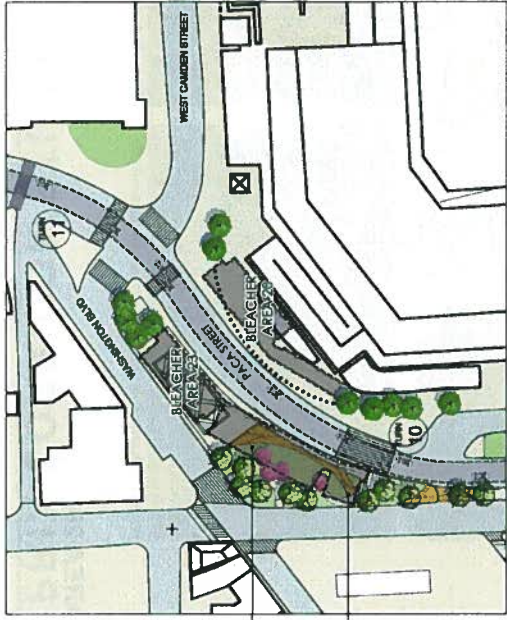
- EXISTING CONDITIONS**
 BLEACHER AREAS 21, 22 & 23
 TURF
 BLEACHER AREA 26
 (18) HONEY LOCUST IN 8" SQ. PLANTERS AT GRADE
 BLEACHER AREA 27
 (11) JAPANESE SOPHORA IN 4" SQ. GRATED PLANTERS
 BLEACHER AREA 1
 (10) RED MAPLES AT GRADE
 (2) SARGENT CHERRY AT GRADE
 (3) JAPANESE SOPHORA IN 7" SQ. PLANTERS
 BLEACHER AREA 6
 NO TREES
- BLEACHER AREA 8 WEST SHORE PARK HOSPITALITY
 (8) HONEY LOCUST AT BALTIMORE VISITORS CENTER
 (8) LONDON PLANE AT NORTH END OF WEST SHORE PARK ALONG BIKE PATH AT NORTHWEST END OF WEST SHORE PARK ALONG LIGHT STREET
 (22) LONDON PLANE AT WEST END OF WEST SHORE PARK ALONG LIGHT STREET
 BLEACHER AREA 9 WEST SHORE PARK HOSPITALITY
 (8) LONDON PLANE AT SOUTH END OF WEST SHORE PARK
 (4) LONDON PLANE ALONG BIKE PATH AT SOUTHWEST END OF WEST SHORE PARK ALONG LIGHT STREET
- PROPOSED CONDITIONS**
 BLEACHER AREAS 21, 22 & 23
 (11) LONDON PLANE SOUTH OF BROOKS ROBINSON PLAZA
 (4) GROUP WIRTLES
 NATIVE GRASS PERENNIALS
 BLEACHER AREA 26
 (8) EXISTING TREES TO REMAIN
 (2) (5'x10') PLANTERS WITH ENHANCED AT GRADE PLANTING (NO TREES)
 BLEACHER AREA 27
 (8) JAPANESE SOPHORA IN 4" SQ. GRATED PLANTERS TO REMAIN
 (8) HONEY LOCUST IN 4" SQ. GRATED (EXISTING) PLANTERS
 BLEACHER AREA 1
 (8) RED MAPLES TO REMAIN
 (1) 5' SQ. COBBLE PLANTERS WITH ENHANCED AT GRADE PLANTING (NO TREES)
 (2) SARGENT CHERRY REPLACED IN 8'x8' SQ. PLANTERS (FIRST YEAR)
 BLEACHER AREA 6
 (12) LONDON PLANE IN 7' SQ. AT GRADE PLANTERS. ADOPT EXISTING PAVING TO PLANT TREES AT THE OPTION OF THE CITY
 (1) NEW PLANTER WITH ENHANCED PLANTING OR TURF (NO TREES)
 BLEACHER AREA 8 WEST SHORE PARK HOSPITALITY
 (8) HONEY LOCUST AT THE BALTIMORE VISITORS CENTER TO BE TRANSPLANTED IN WEST SHORE PARK
 (8) LONDON PLANE AT NORTH END OF WEST SHORE PARK TO REMAIN
 (2) NEW PLANTERS WITH ENHANCED PLANTING OR TURF (NO TREES) ALONG LIGHT STREET TO BE REMOVED & REPLACED WITH CHESPENAKE BAY NATIVE GRASS PLANTING
 (12) NEW LONDON PLANES AT WEST END OF WEST SHORE PARK ALONG LIGHT STREET TO REMAIN
 (8) NEW LONDON PLANES TREES TO BE PLANTED IN WEST SHORE PARK TO REPLACE THE TREES REMOVED ALONG LIGHT STREET
 BLEACHER AREA 9 WEST SHORE PARK HOSPITALITY
 (8) LONDON PLANE AT SOUTH END OF WEST SHORE PARK TO REMAIN
 (4) LONDON PLANE ALONG BIKE PATH TO BE REMOVED AND REPLACED WITH (1) NEW RED MAPLE IN WEST SHORE PARK TO INCREASE TREE CANOPY

SCALE: NOT TO SCALE (N.T.S.)

OVERALL SITE PLAN BALTIMORE GRAND PRIX CORRIDOR STUDY BALTIMORE, MARYLAND

August 5, 2011





BLEACHER AREA 22

BLEACHER AREA 21

PLAN
Scale: 1" = 50'



KEY PLAN

LEGEND

- EXISTING TREE TO BE REMOVED
- EXISTING TREE TO BE REPLACED
- EXISTING FLOWERING TREE TO BE REPLACED
- EXISTING FLOWERING TREE TO REMAIN
- EXISTING TREE TO REMAIN
- PROPOSED SHADE TREE



BLEACHER AREA 21, 22 & 23 (RUSSEL STREET AREA)



EXISTING CONDITION



PROPOSED PLANTINGS:
NATIVE CHESAPEAKE BAY
GRASSES AND PERENNIALS



PROPOSED TREE:
CRAPE MYRTLE



PROPOSED TREE:
LONDON PLANE TREE



EXISTING CONDITION



EXISTING CONDITION:
• NO TREES
• TOTAL TREES: 0

- PROPOSED CONDITION:**
- (11) LONDON PLANE TREE PLANTED IN TURF AREA
 - (4) CRAPE MYRTLE PLANTED IN TURF AREA
 - ENHANCED AT GRADE PLANTINGS (CHESAPEAKE BAY NATIVE GRASSES AND PERENNIALS)
 - DESIGN BASED ON THE REQUEST OF THE COMMUNITY
 - TOTAL TREES: 15

NOTE: INITIAL PLANTINGS SHALL OCCUR WITHIN 30 DAYS OF END OF RACE AND BE MAINTAINED THROUGHOUT THE DURATION OF THE RACE

**PLAN ENLARGEMENT- BLEACHER AREAS 21, 22 & 23
BALTIMORE GRAND PRIX CORRIDOR STUDY**







BALTIMORE, MARYLAND

August 5, 2011

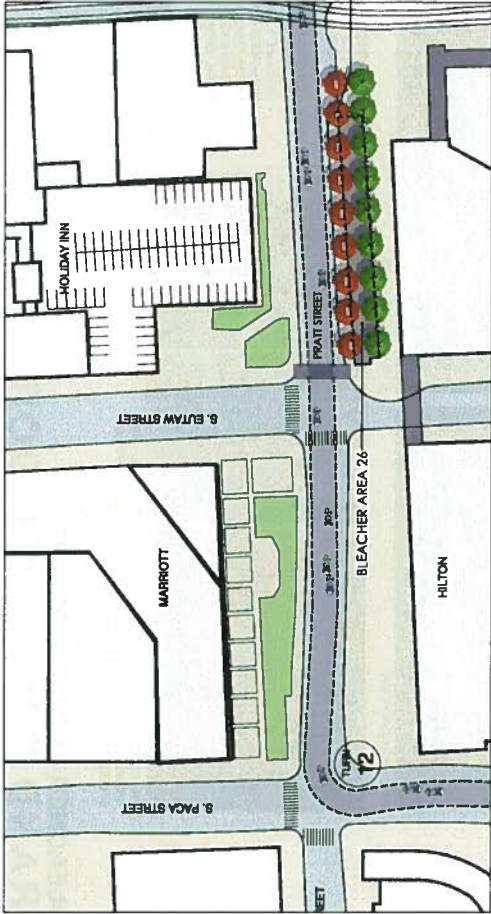




KEY PLAN

- LEGEND**
-  EXISTING TREE TO BE REMOVED
 -  EXISTING TREE TO BE REPLACED
 -  EXISTING FLOWERING TREE TO BE REPLACED
 -  EXISTING FLOWERING TREE TO REMAIN
 -  EXISTING TREE TO REMAIN
 -  PROPOSED SHADE TREE

(9) 5'x10'
Planters At
Grade



PLAN
Scale: 1" = 50'

BLEACHER AREA 26 (HILTON HOTEL)



EXISTING CONDITION



PROPOSED PLANTING IN EXISTING (5'x10') AT GRADE PLANTERS

PROPOSED PLANTING



PROPOSED PLANTING IN EXISTING (5'x10') AT GRADE PLANTERS

EXISTING CONDITION:

- (8) HONEY LOCUST IN 5'x10' PLANTERS TO REMAIN
- 9 TREES TO REMAIN
- 8 TREES TO BE REMOVED (BY OWNER)
- TOTAL TREES: 18

PROPOSED CONDITION:

- (9) EXISTING TREES TO REMAIN ALONG BUILDING
- (9) 5'x10' PLANTERS WITH ENHANCED AT GRADE PLANTING (LIRIOPE & SEASONAL ANNUAL/PERENNIALS) (NO TREES)
- TOTAL TREES: 9

NOTE: THE 9 HONEY LOCUST WILL BE REMOVED BETWEEN AUG. 8TH AND AUG. 15TH, 2011 (88-8/15). THE ENHANCED PLANTINGS SHALL OCCUR WITHIN 30 DAYS OF THE END OF THE RACE AND SHALL BE MAINTAINED THROUGHOUT THE DURATION OF THE RACE.

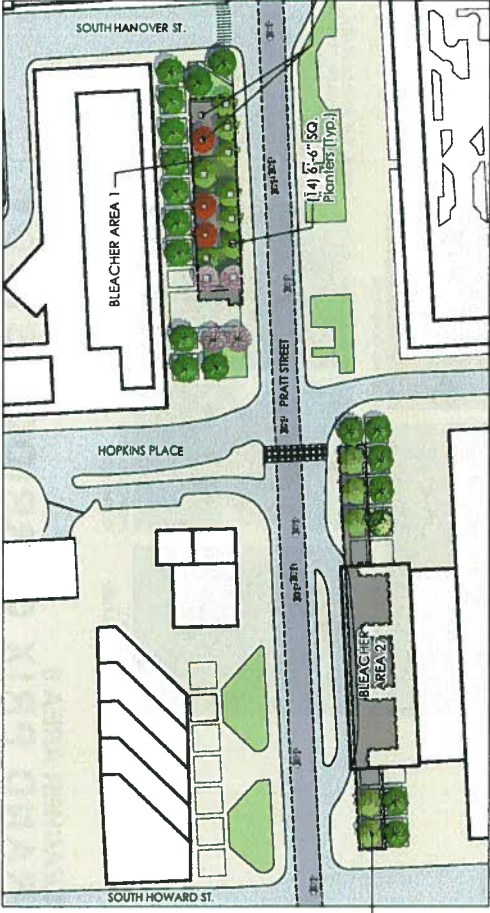
**PLAN ENLARGEMENT- BLEACHER AREA 26
BALTIMORE GRAND PRIX CORRIDOR STUDY**

BALTIMORE, MARYLAND

August 5, 2011



MAHAN RYKIEL
ASSOCIATES INC.



(12) 4' SQ. of grade Planters (Typ.)

(14) 5'-6" SQ. Planters (Typ.)



KEY PLAN

LEGEND

- EXISTING TREE TO BE REMOVED
- EXISTING TREE TO BE REPLACED
- EXISTING FLOWERING TREE TO BE REPLACED
- EXISTING FLOWERING TREE TO REMAIN
- EXISTING TREE TO REMAIN
- PROPOSED SHADE TREE

PLAN
Scale: 1" = 50'

BLEACHER AREA 27 (CONVENTION CENTER WEST)



EXISTING CONDITION

PROPOSED TREE:
GRAPE MYRTLE

- EXISTING CONDITION:
- (11) JAPANESE SOPHORA IN 4' SQ. GRATED PLANTERS
 - 5 TREES TO BE REMOVED
 - 6 TREES TO REMAIN
 - TOTAL TREES: 11

- PROPOSED CONDITION:
- (6) JAPANESE SOPHORA TO REMAIN
 - (6) HONEY LOCUST IN 4' SQ. (EXISTING) AT GRADE PLANTERS
 - TOTAL TREES: 12

NOTE: THE NEW HONEY LOCUST WILL BE PLANTED IN THE EXISTING TREE PITS WITHIN 30 DAYS OF THE FIRST RACE. EACH FOR THE NEXT YEAR, THE HONEY LOCUST FROM PREVIOUS YEARS WILL BE REMOVED AND REPLACED BEFORE THE RACE AND NEW HONEY LOCUST TREES WILL BE PLANTED IN THEIR PLACE WITHIN 30 DAYS OF THE END OF EACH CONSECUTIVE RACE. THE NEW TREES SHALL BE MAINTAINED THROUGHOUT THE DURATION OF THE RACE.

BLEACHER AREA 1 (COURT HOUSE)



EXISTING CONDITION

PROPOSED TREE:
RED MAPLE

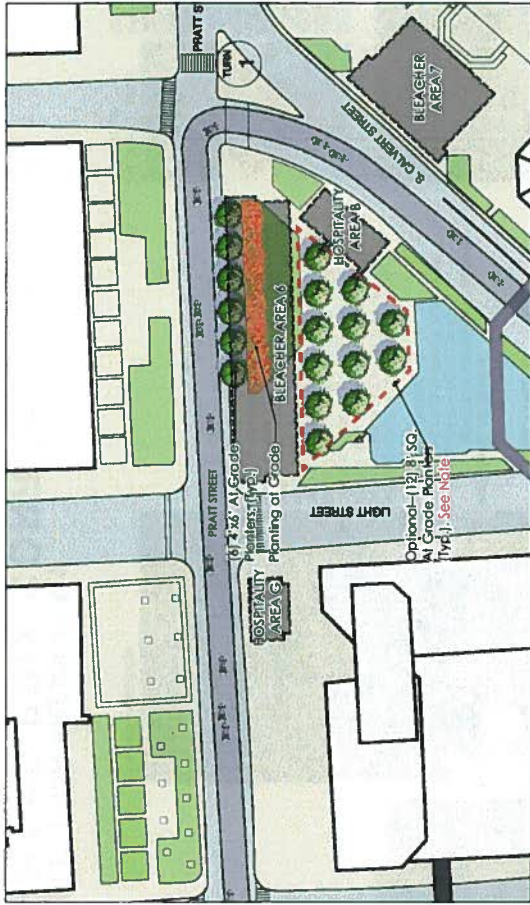
- EXISTING CONDITION:
- (10) RED MAPLES AT GRADE
 - (3) JAPANESE SOPHORA IN 5' SQ. PLANTERS
 - (2) SARGENT CHERRY AT GRADE
 - 13 TREES TO BE REMOVED
 - TOTAL TREES: 15

- PROPOSED CONDITION:
- (2) RED MAPLES TO REMAIN
 - (6) RED MAPLES RE-PLANTED IN 6'-6" SQ. PLANTERS (FIRST YEAR)
 - (4) 5' SQ. COBBLE PLANTERS WITH ENHANCED AT GRADE PLANTING (LIRIOPE & SEASONAL ANNUALS/ PERENNIALS; NO TREES)
 - (2) SARGENT CHERRY REPLANTED IN 6'-6" SQ. PLANTERS (FIRST YEAR)
 - TOTAL TREES: 12

NOTE: THE NEW PLANTERS WITH NEW TREES (UNDER PLANTED WITH LIRIOPE) SHALL BE MAINTAINED THROUGHOUT THE DURATION OF THE RACE. THE PLANTERS SHALL BE REMOVED APPROXIMATELY 2 WEEKS BEFORE EACH CONSECUTIVE RACE, STORED AND REPLACED ON SITE WITHIN 30 DAYS OF THE END OF EACH CONSECUTIVE RACE.

PLAN ENLARGEMENT- BLEACHER AREAS 27 & 1
BALTIMORE GRAND PRIX CORRIDOR STUDY
BALTIMORE, MARYLAND

August 5, 2011



PLAN
Scale: 1" = 50'



KEY PLAN

- LEGEND**
- EXISTING TREE TO BE REMOVED
 - EXISTING TREE TO BE REPLACED
 - EXISTING FLOWERING TREE TO BE REPLACED
 - EXISTING FLOWERING TREE TO REMAIN
 - EXISTING TREE TO REMAIN
 - PROPOSED SHADE TREE

BLEACHER AREA 6 (Mc KELDIN PLAZA)

- EXISTING CONDITION:**
- NO TREES
 - TOTAL TREES: 0
- PROPOSED CONDITION:**
- (2) LONDON PLANE TREE IN 8' SO AT GRADE PLANTER, MIDDLE EXISTING PAVING TO PLANT TREES (IF REQUIRED)
 - (6) RED MAPLE IN 4'x6' AT GRADE PLANTERS ALONG STREET
 - AT GRADE PLANTER WITH ENHANCED PLANTING OR TURF (NO TREES)
 - TOTAL TREES: 18



EXISTING CONDITION



PROPOSED TREE: LONDON PLANE TREE



PROPOSED TREE: RED MAPLE



PROPOSED PLANTING AT GRADE

NOTE: THE PROPOSED NEW TREES AT MCKELDIN PLAZA ARE OPTIONAL. THE PROPOSED (12) LONDON PLANE TREES SHOWN IN THE PAVED AREA IN THE CENTER REPRESENT THE EXTENT TO WHICH (BRD) WILL PROVIDE FOLIAGE AT THE CITY'S OPTION.

NOTE: NEW TREES AND ENHANCED PLANTINGS SHALL BE INSTALLED WITHIN 30 DAYS OF THE END OF THE RACE AND BE MAINTAINED THROUGHOUT THE DURATION OF THE RACE. THE RED MAPLES ALONG PRATT STREET WILL BE REMOVED AND RELOCATED BEFORE THE RACE EACH YEAR AND NEW RED MAPLES WILL BE PLANTED IN THEIR PLACE WITHIN 30 DAYS OF THE END OF EACH CONSECUTIVE RACE.

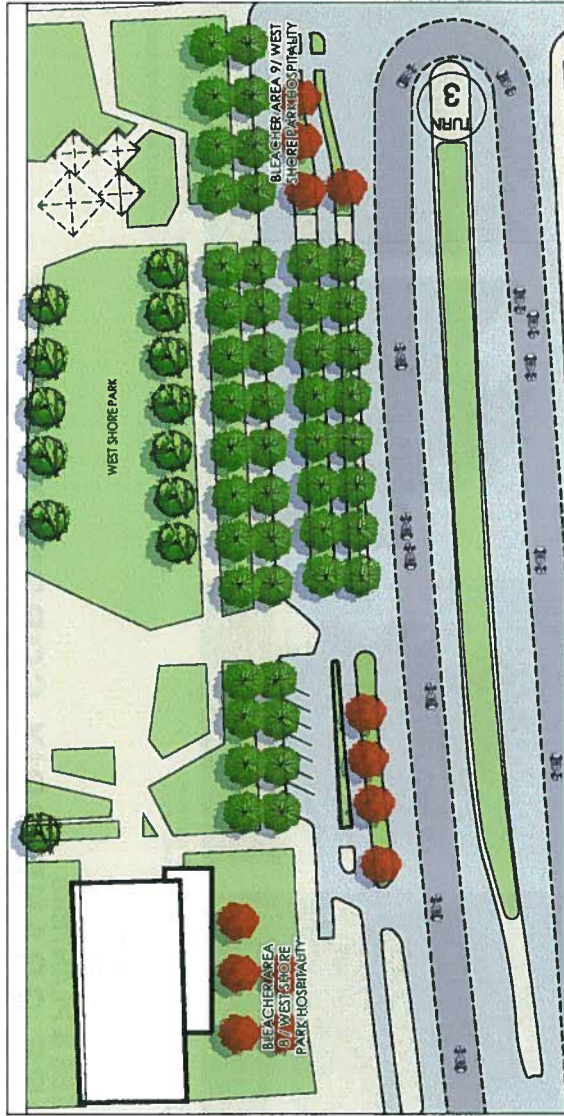
**PLAN ENLARGEMENT- BLEACHER AREA 6
BALTIMORE GRAND PRIX CORRIDOR STUDY**

BALTIMORE, MARYLAND
August 5, 2011



KEY PLAN

- LEGEND**
- EXISTING TREE TO BE REMOVED
 - EXISTING TREE TO BE REPLACED
 - EXISTING FLOWERING TREE TO BE REPLACED
 - EXISTING FLOWERING TREE TO REMAIN
 - EXISTING TREE TO REMAIN
 - PROPOSED SHADE TREE



PLAN
Scale: 1" = 50'

BLEACHER AREA 8/ WEST SHORE PARK HOSPITALITY



EXISTING CONDITION



EXISTING CONDITION

- EXISTING CONDITION:**
- (5) HONEY LOCUST AT BALTIMORE VISITORS CENTER
 - (6) LONDON PLANE AT NORTH END OF WEST SHORE PARK
 - (7) LONDON PLANE ALONG BIKE PATH AT NORTHWEST END OF WEST SHORE PARK ALONG LIGHT STREET
 - (23) LONDON PLANE AT WEST END OF WEST SHORE PARK ALONG LIGHT STREET
 - TOTAL TREES: 48

- PROPOSED CONDITION:**
- REMOVE (5) HONEY LOCUST AT BALTIMORE VISITORS CENTER (DONE)
 - RETAIN (8) LONDON PLANE AT NORTH END OF WEST SHORE PARK
 - REMOVE (4) LONDON PLANE ALONG BIKE PATH AT NORTHWEST END OF WEST SHORE PARK ALONG LIGHT STREET
 - RETAIN (32) LONDON PLANE AT WEST END OF WEST SHORE PARK ALONG LIGHT STREET
 - TOTAL TREES: 40

NOTE: NATIVE PLANTINGS TO BE PLANTED WITHIN 30 DAYS OF THE END OF THE RACE AND MAINTAINED THROUGHOUT THE DURATION OF THE EVENT.

EXISTING CONDITION



PROPOSED PLANTING: NATIVE CHESAPEAKE BAY GRASSES

BLEACHER AREA 9/ WEST SHORE PARK HOSPITALITY



EXISTING CONDITION



EXISTING CONDITION



EXISTING CONDITION

- EXISTING CONDITION:**
- (6) LONDON PLANE AT SOUTHWEST END OF WEST SHORE PARK
 - (3) LONDON PLANE ALONG BIKE PATH AT SOUTHWEST END OF WEST SHORE PARK ALONG LIGHT STREET
 - TOTAL TREES: 12

- PROPOSED CONDITION:**
- RETAIN (8) LONDON PLANE AT SOUTHWEST END OF WEST SHORE PARK
 - REMOVE (4) LONDON PLANE ALONG BIKE PATH AND REPLACE WITH CHESAPEAKE BAY NATIVE GRASS PLANTING
 - TOTAL TREES: 8

NOTE: 13 TREES ADDED TO WEST SHORE PARK, NO NET LOSS OF TREES AT WEST SHORE PARK

EXISTING CONDITION



PROPOSED PLANTING: NATIVE CHESAPEAKE BAY GRASSES

**PLAN ENLARGEMENT- BLEACHER AREA AND WEST SHORE PARK HOSPITALITY 8 & 9
BALTIMORE GRAND PRIX CORRIDOR STUDY**

BALTIMORE, MARYLAND

August 5, 2011



PROPOSED TREES



ACER RUBRUM/
RED MAPLE



PLATANUS X ACERIFOLIA/
LONDON PLANE TREE



LAGERSTROEMIA INDICA NATCHEZ/
NATCHEZ GRAPE MYRTLE



CUSTOM AT GRADE 6' x 6' SQUARE PLANTERS
BY YARD ART

PROPOSED PLANTERS

ALTERNATIVE TREE TYPES



ACER CAMPESTRE/
HEDGE MAPLE



ACER GINNALA/
AMUR MAPLE



ACER GRISEUM/
PAPERBARK MAPLE



AMELANCHIER x GRANDIFLORA
AUTUMN BRILLIANCE/
AUTUMN BRILLIANCE SERVICEBERRY



AMELANCHIER LAEVIS/
ALLEGHENY SERVICEBERRY



CARPINUS CAROLINIANA/
AMERICAN HORNBEAM

**PROPOSED TREES & PLANTERS
BALTIMORE GRAND PRIX CORRIDOR STUDY**

BALTIMORE, MARYLAND

August 5, 2011



EXHIBIT B
BALTIMORE GRAND PRIX CORRIDOR PLANTING SCHEDULE

Bleacher Areas 21-23 (Brooks Robinson Plaza)

- Tree Removal
 - No tree removal required.
- Planting Schedule
 - 11 London Plane trees and 4 Crape Myrtle trees shall be planted before September 30, 2011 at the direction of the Baltimore City Arborist.
 - Supplemental plantings with native Chesapeake Bay grasses and perennial plantings should be installed as per the Tree Corridor Study and the approval of the City of Baltimore Horticulture Division, Recreation and Parks.
- All new plantings in the Brooks Robinson Plaza area in 2011 are to be planted within 30 days of the end of the 2011 race and will remain in place between September 30, 2011 and October 2016. These plants may not be removed for future Baltimore Grand Prix events.
- Maintenance Schedule
 - Trees and other plantings to be watered weekly until established and then during periods of drought from 2011 through 2016. .
 - Plant beds must be weeded on a monthly basis during the growing season from October 2011 through October 2016. .

Bleacher Area 27 (Convention Center West)

- Tree Removal
 - 5 existing trees identified in the Corridor Plan have been removed as of August 7, 2011 with the permission of the Convention Center.
- Planting Schedule
 - Five (5) new Crape Myrtle trees will be planted in the existing tree pits before September 30, 2011. In spring of 2012 (March – May) the five Crape Myrtle trees will be dug up and relocated to the West Shore Park area to a location approved by the Waterfront Partnership of Baltimore and the City Arborist. Between September 6, 2012 and October 30, 2012, five new Crape Myrtles will be planted at this location in approved above ground pots (see Exhibit D for design) The BRP and City of Baltimore may choose to renegotiate this requirement if both parties agree the tree pot design is not sufficient, and if another, more appropriate method of mitigating the loss of trees is agreed upon before March, 2012.
- Maintenance Schedule
 - The five trees at this location shall be maintained by BRD from the date of their planting in 2011 through October 30, 2016. Maintenance Schedule
 - Trees and other plantings must be watered weekly until their root system is established and then during periods of drought from October 2011 through October 2016 Planting beds will be weeded on a monthly basis during the planting season between September 2011 and October 2016.

Bleacher Area 1 (Courthouse)

- Tree Removal
 - 13 existing trees have been removed with permission of the U.S. Courthouse as per the drawings contained in the Tree Corridor Study.
- Planting Schedule
 - The new trees will be planted in 5'-6" square above ground planters as per the drawings contained in the Tree Corridor Study. See Exhibit D_ for design of the planters. The tree planters will include an under-planting of Liriope. The above ground planters with trees must be placed at the positions shown in the Tree Corridor study the same day the bleachers are removed after the race event. The four at grade 5' x 5' planters will be planted with a border of Liriope and in-filled with annual and perennial plantings as directed by the City of Baltimore, Division of Horticulture, Recreation and Parks. All plantings may not be removed without express permission of the City of Baltimore and the Federal Courthouse. For race years 2012 through 2016, the trees in pots will be moved to a safe location the same day the bleachers are to be constructed for the event and stored at a safe location, and returned to their places the same day the bleachers are removed.
 - Note: The planters shall be moved by fork lift only. There is a removable kick plate that hides the understructure that the fork lift will lift from. This kick plate will need to be re-installed when the planters are put back in place after each race. See Exhibit D for design of the planters
- Maintenance Schedule
 - Enhanced plantings in the 4 at grade plant beds to be watered weekly throughout the growing season from September 2011 through October 2016.
 - Plant beds and planters shall be weeded on a bi-weekly basis and re-mulched monthly during the planting season from September 2011 through October 2016. Annuals in the at grade plant beds should be switched out seasonally:
 - Spring tulips (to be planted in the fall)
 - Summer Annuals may vary by year and will be planted to bloom throughout the summer blooming season
 - Fall pansies under planted with tulips.
 - The planters have reservoirs for irrigation that must be kept filled every two-three weeks during the growing season. These reservoirs will also must be drained in November of each year avoid frost damage.

Bleacher Area 6 (McKeldin Plaza)

- Tree Removal
 - No tree removal required.
- Planting Schedule
 - The six new Red Maple trees along Pratt Street (See Tree Corridor Study) will be planted at grade in 4' x 6' pits. . .

- The six Red Maple tree pits will be planted with a border of Liriope and in-filled with annual and perennial plantings approved by the Baltimore City Horticulture Division, Recreation and Parks. All at grade plantings to be planted before September 30, 2011 and will remain until October 2016. The Red Maples along Pratt Street will be re-moved and re-planted to a safe location annually to another site within Downtown Baltimore to a location approved by the Downtown Partnership of Baltimore and the City Arborist. Annually, after the end of each Grand Prix event, six new Red Maples will be planted in their place in the existing pits. The Baltimore Grand Prix also agrees to plant 12 trees in at grade planters within the center of the plaza as per the Tree Corridor study and at the direction of the City Arborist. The City may either decide to reduce that number, remove the planter requirement, or eliminate those trees altogether as it sees fit.
- Maintenance Schedule
 - The new trees in the 4' x 6' plant beds and the enhanced plantings in the large at grade plant beds must be watered weekly throughout the growing season from September 2011 through October 2016.
 - Plant beds and at grade tree planters must be weeded on a monthly basis during the planting season between September 2011 and October 2016.
 - Annuals in the large at grade plant bed should be switched out seasonally and the plants approved by the Baltimore City Horticulture Division, Recreation and Parks:
 - Spring tulips (to be planted in the fall)
 - Summer Annuals may vary by year and will be planted to bloom throughout the summer blooming season
 - Fall pansies under planted with tulips.

Bleacher Areas 8 & 9 (West Shore Park)

- Tree Removal
 - 13 existing trees have been relocated from the grandstand area to West Shore Park with the permission of the Waterfront Partnership.
- Planting Schedule
- The planters where the trees were removed will be re-planted with native Chesapeake Bay grasses and perennial plantings before September 30, 2011 and shall be maintained in place between September 2011 and October 2016.
- Maintenance Schedule
 - The native Chesapeake Bay plantings in these plant beds are to be watered regularly throughout the growing season from September 2011 through October 2016.
 - Plant beds must be weeded on a monthly basis during the planting season for the five years the race is operated in Baltimore.

EXHIBIT C-1
TECHNICAL SPECIFICATIONS: GRAND PRIX TREE
REPLACEMENTS AND MAINTENANCE
OUTSIDE GRAND PRIX CORRIDOR

SCOPE

Provide all labor, equipment and supervision to supply, plant, maintain and warrant 139 trees in Baltimore, Maryland at the locations identified in Exhibit A.

NURSERY STOCK SPECIFICATIONS

Trees must be of the size, species, and cultivar as listed for each planting location (See Exhibit A), and meet or exceed each of the following:

- a.) American Standard for Nursery Stock (ANSI Z60.1-2004). Minimum root ball sizes will be strictly enforced.
- b.) Trees shall be true to name as ordered and as labeled.
- c.) Trees shall be healthy and vigorous with a growth habit that is symmetrical and well-branched, and otherwise typical for a specimen of the species and cultivar. The crown shall not be deformed by wind, pruning, pests or other factors.
- d.) Trees shall be free of pests (insects, pathogens, or other injurious organisms), wounds or abrasions.
- e.) Foliage, if present, shall be the typical size, color and appearance for the time of year and stage of growth of the species/cultivar. Leaves are not stunted, misshapen, tattered, discolored (chlorotic or necrotic), or otherwise atypical.
- f.) Branch and shoot growth throughout the crown is typical for the age or size of the species/ cultivar. Trees do not have dead, diseased, broken branches or other branch injuries.
- g.) Trunk shall be relatively straight, vertical and free of wounds (except properly made pruning cuts), sun-scald, signs of pathogens or insect activity, or girdling from ties.
- h.) Trees shall have a single, central leader that is relatively straight, vigorous and a properly tapered trunk (except when it is typical for the species or cultivar to have multiple trunks or leaders). If the original leader has been removed, a new leader at least one half the diameter of the original leader must be present.

- i.) Main branches shall be distributed radially and vertically along the trunk, forming a symmetrical crown that is typical for the species/cultivar. Branch diameter shall be no greater than two thirds (2/3) the diameter of the trunk measured one (1) inch above the branch. The attachment of scaffold branches shall be free of included bark.
- j.) Trees shall be plantation or nursery-grown within a 200 mile radius of Baltimore, Maryland. Baltimore City Recreation and Parks (BCRP) – Forestry shall be notified if trees must come from a source outside this area and will at that time determine whether to accept or reject the source. Trees shall be accessible for inspection and selection by a BCRP-Forestry Representative at both the growing location and upon delivery.
- k.) Trees specified to be balled and burlapped shall have been dug and wrapped immediately prior to shipment - and shall otherwise meet requirements stated above. The BCRP-Forestry Representative may accept pre-dug trees, upon his or her discretion. Pre-dug trees must meet the same quality standards above.
- l.) Trees specified to be in containers shall have root systems that fill the container so that upon planting the soil does not fall away from the root system – nor shall the root systems be root-bound (i.e., roots growing out of the drainage holes, or coiled and matted on the inside surface of the container).

PLANTING SPECIFICATIONS

The contractor is to plant the trees in the locations identified Attachment A, and in the following manner:

- a.) Under the supervision of an Arborist certified by the International Society of Arboriculture.
- b.) In accordance with Technical Exhibit C-2.
- c.) Topsoil or other soil amendment may be substituted for, or mixed with the existing soil – at the City Arborist’s discretion.
- d.) A circular spade edge of 3 inches deep shall be made around the entire tree pit area, with the trunk of the tree centered in the “tree ring”. The “tree ring” shall be mulched to a depth of 2 to 3 inches. Mulch shall be double-shredded hardwood bark and approved in

advance by the City Arborist. Mulch shall be kept 3 inches away from the trunk of the tree.

- e.) Trees shall receive not less than two inches of water per square foot of area of the planting pit, immediately after planting. Desiccated trees or trees damaged during installation will not be accepted.
- f.) As referenced in the Technical Exhibit C-2, dig planting pits, mix backfill, and plant trees only when soil conditions are not wet, and when mixing and backfilling will not adversely affect soil structure. Planting otherwise will be unacceptable.

A staging area shall be provided for the temporary storage of trees to be planted and other supplies. Trees shall not be left in the storage area longer than one week, unless a longer period is agreed upon, and shall be maintained in good health while in storage by the contractor. Regardless of storage location, it is the contractor's responsibility to maintain the health of the trees prior to planting.

MAINTENANCE

Trees are to be maintained and warranted for a period of two (2) years after planting by BRD.

At the time of planting, the contractor will tag each tree planted or transplanted with a tag, nursery seal, or colored ribbon. The identification method will be agreed upon with the BCRP-Forestry Representative.

BRD will supply adequate water and pest control to ensure a healthy, vigorous specimen from initial post-planting walk-through and acceptance until final walk-through and acceptance one year later. Any pesticide usage must have prior approval from the BCRP-Forestry Representative.

During this period at least once every ten days, ensure: trees are straight, watered, stake or guy wire supports are intact, trees have a two to three inch mulch layer, tree basins are edged, and all weeds are removed. The contractor shall supply water on a more frequent basis if necessary because of drought conditions, in order to maintain the vigor and health of the newly planted trees. Contractor shall ensure watering of a single tree delivers a minimum three inches of water on top of the entire root zone – with no run-off (“Gator bags” or similar water containers are not an acceptable substitute for directly watering the tree with a hose via a water tank or hydrant).? Final acceptance will not be granted if any of the above referenced maintenance procedures have not been completed. The Contractor must notify the BCRP-Forestry Representative when a work crew is assigned prior to performing any work.

Supply the BCRP-Forestry Representative a monthly written report of all work performed during this period.

Schedule all inspections with the City Arborist or his designee. It is the Contractor's responsibility to schedule the initial and final inspections and any subsequent follow-up inspections. The warranty period does not begin until the initial inspection is complete and all trees approved. Likewise, the maintenance and warranty period does not end until final inspection is complete and all trees have been approved.

Prior to final inspection, remove stakes and guy wires, unless it is determined by the COR that the stakes are to remain on individual trees.

Immediately remove any dead or dying tree. Install replacement trees within two weeks of removal and before final inspection (unless a replacement delay is authorized by the BCRP-Forestry Representative). Trees found to be unhealthy, not vigorous, or otherwise unacceptable during the final inspection with the City Arborist shall be replaced within two weeks and re-inspected. The contractor will replace dead or unacceptable trees no more than twice during the maintenance period.

OUTSIDE GRAND PRIX CORRIDOR TREE LOCATIONS

STREET #		STREET NAME	Direction	EMPTY PIT	COMMENT
109	N	Park Ave.	West	O	Concreted
100	N	Park Ave.	East	S	Dead
100	N	Park Ave.	East	X	Open
100	N	Park Ave.	East	S	Dead
300	N	Park Ave.	East	S	Church, stump, Elm
300	N	Park Ave.	East	S	Stump
309	N	Park Ave.		X	Open
326	N	Park Ave.		X	Open
332	N	Park Ave.		X	Open
410	N	Park Ave.		O	Bricked Over
412	N	Park Ave.		O	Concreted Over
416-420	N	Park Ave.		X	Open / Maple
508	N	Park Ave.		S	West side:dead
508	N	Park Ave.		S	West side:dead
508	N	Park Ave.		S	West side:dead
611	N	Park Ave.	East	X	Open/Next to awning
124	N	Liberty St		O	Asphalted in
102	N	Liberty St		X	Open
104	N	Liberty St		X	Open
106	N	Liberty St		X	Open
225	N	Liberty St		X	Open
225	N	Liberty St		O	Paved Over
225	N	Liberty St.		S	Stump
300	N	Cathedral		S	Stump: Golden Rain Tree
309	N	Cathedral		S	Stump: Golden Rain Tree
320	N	Cathedral		S	Dead

320	N	Cathedral		S	Stump
320	N	Cathedral		S	Stump
100	W	Centre St.		S	parking lot /Stump
111	W	Centre St.		X	Open / Linden
111	W	Centre St.		X	Open / Linden
15	W	Centre St		S	South side Dead
20	E	Centre St		S	North Side: Stump
9	E	Centre St		S	North Side: Stump
5	W	Hamilton St.		X	Open
18	W	Hamilton St.		O	bricked over
100	W	Hamilton St.	North	S	Dead
100	W	Hamilton St.	North	X	Open
100	W	Hamilton St.	North	S	Stump
100	W	Hamilton St.	North	S	Stump
100	W	Hamilton St.	South	S	Stump
100	W	Hamilton St.	South	S	Dead
100	W	Hamilton St.	South	S	Dead
100	W	Hamilton St.	South	S	Dead
100	W	Hamilton St.	South	S	Stump
100	W	Hamilton St.	South	S	Dead
100	W	Franklin St.	North	S	Stump Next to Traffic Sig
100	W	Franklin St.	South	S	Dead
100	W	Franklin St.	South	X	Open / Maple
100	W	Franklin St.	South	S	Stump
100	W	Franklin St.	South	X	Open
100	W	Franklin St.	South	X	Open
100	W	Franklin St.	South	X	Open
100	W	Franklin St.	South	X	Open
124	W	Franklin St.	North	S	Stump
128	W	Franklin St.	North	O	Concreted
128	W	Franklin St.	North	O	Concreted
0	W	Mulberry St.		S	North side: Stump
1	W	Mulberry St.		S	North side: Stump
2	E	Lexington St.		X	Open / Ginko
2	E	Lexington St.		X	Open / Ginko
10	E	Lexington St.		X	Open / Ginko
80	E	Lexington St.		X	Open / Ginko
80	E	Lexington St.		X	Open / Ginko
100	E	Lexington St.		X	Open / Ginko
300	E	Fayette St.		X	Open/City Hall:north side
205	W	Fayette St.		X	Open/Honeylocust
100	W	Baltimore St.		X	Open/PNC Bank: elm
100	W	Baltimore St.		X	Open/PNC Bank:elm
228	W	Baltimore St.		X	Open/Ash
0-100	W	Lombard St.		O	Concreted over: bus stop
0-100	W	Lombard St.		O	Concreted over:bus stop
100	W	Lombard St.		X	Open/Fallon Building
100	W	Lombard St.		X	Open/North Side
100	W	Lombard St.		X	Open/London Plane
100	W	Lombard St.		X	Open/London Plane

400	E	Lombard St.		X	Parking Garage: South
100	S	St. Paul Street		X	Open/Jos Bank; east side
400	N	St. Paul Place	east	S	Dead; in median
400	N	St. Paul Place	east	S	Dead; in median
400	N	St. Paul Place	east	S	Dead; in median
400	N	St. Paul Place	east	S	Dead; in median
400	N	St. Paul Place	east	S	Dead; in median
400	N	St. Paul Place	median	S	Dead; Orleans & Mulberry
400	N	St. Paul Place	median	S	Dead; Orleans & Mulberry
400	N	St. Paul Place	median	S	Dead; Orleans & Mulberry
400	N	St. Paul Place	median	S	Dead; Orleans & Mulberry
400	N	St. Paul Place	median	S	Dead; Orleans & Mulberry
400	N	St. Paul Place	median	S	Dead; Orleans & Mulberry
400	N	Calvert St.		O	Filled in:Balt sun
400	N	Calvert St.		O	Filled in:Balt sun
400	N	Calvert St.		O	Filled in:Balt sun
400	N	Calvert St.		O	Filled in:Balt sun
400	N	Calvert St.		O	Filled in:Balt sun
359	N	Calvert St.		O	Filled in
353	N	Calvert St.		S	Stump
353	N	Calvert St.		O	Filled in
315	N	Calvert St.		S	East Side: Stump
321	N	Calvert St.		S	East Side: Stump
321	N	Calvert St.		S	West Side: Stump
321	N	Calvert St.		X	West Side
315	N	Calvert St.		S	East Side: Stump
300	N	Calvert St.		X	West Side
300	N	Calvert St.		X	West Side
11		Guilford St.		X	Open/Parking Garage
11		Guilford St.		X	Open/Parking Garage
11		Guilford St.		X	Open/Parking Garage
11		Guilford St.		X	Open/Parking Garage
11		Guilford St.		X	Open/Parking Garage
200	N	Holliday St		X	Open/Linden
6	N	Holiday St.		O	Filled In
6	N	Holiday St.		O	Filled In
100	S	Commerce St		O	Filled In
100	S	Commerce St		O	Filled In
400	E	Water St.		X	Open/South side
400	E	Water St.		X	Open/South side
111		Market Place		X	Open/Willow Oak
111		Market Place		X	Open/Willow Oak
111		Market Place		X	Open/Willow Oak
20	S	President St.		S	Open/port discovery
20	S	President St.		X	Open
20	S	President St.		X	Open
20	S	President St.		X	Open
20	S	President St.		X	Open

S	Dead/Stump	47
	Subtotal	118
O	Filled	
	In	21
	Total locations	139

Technical Exhibit
Exhibit c-2

TREE PLANTING FOR BOTH DECIDUOUS AND EVERGREEN TREES FOR BOTH
OPEN GROUND AND SIDEWALK TREE PITS

IN OPEN GROUND: HOLE IS NLT 3.0 TIMES DIAMETER OF ROOT BALL, NO DEEPER THAN ROOT BALL HEIGHT, AND TAPERED AS SHOWN. IN SIDEWALK TREE PIT: BACKFILL ENTIRE LENGTH AND WIDTH OF PIT TO A DEPTH OF 3 FT.

SCARIFY SIDES OF HOLE.

PLANT ONE-EIGHTH OF ROOT BALL ABOVE EXISTING GRADE.

PLANTING IN WET SOIL IS NOT PERMITTED.

FOR CONTAINER-GROWN TREES:
LOOSEN AND/OR PULL APART
EXTERIOR ROOTS.

CUT OFF TOP 1/2 OF WIRE BASKETS.
REMOVE BURLAP.

GENTLY TAMP WHILE BACKFILLING TO
REMOVE AIR POCKETS IN SOIL.

BACKFILL WITH A SOIL AMENDED TO 45-77% SILT, 0-25% CLAY, 25-33% SAND, AND WITH A PH OF 6.0-7.0 AND ORGANIC CONTENT OF 3-5%. CORRECT ANY DEFICIENCIES IDENTIFIED BY A SOIL TEST THROUGH ADDITION OF AN ORGANIC FERTILIZER WITH A 1-2-1 NPK RATIO.

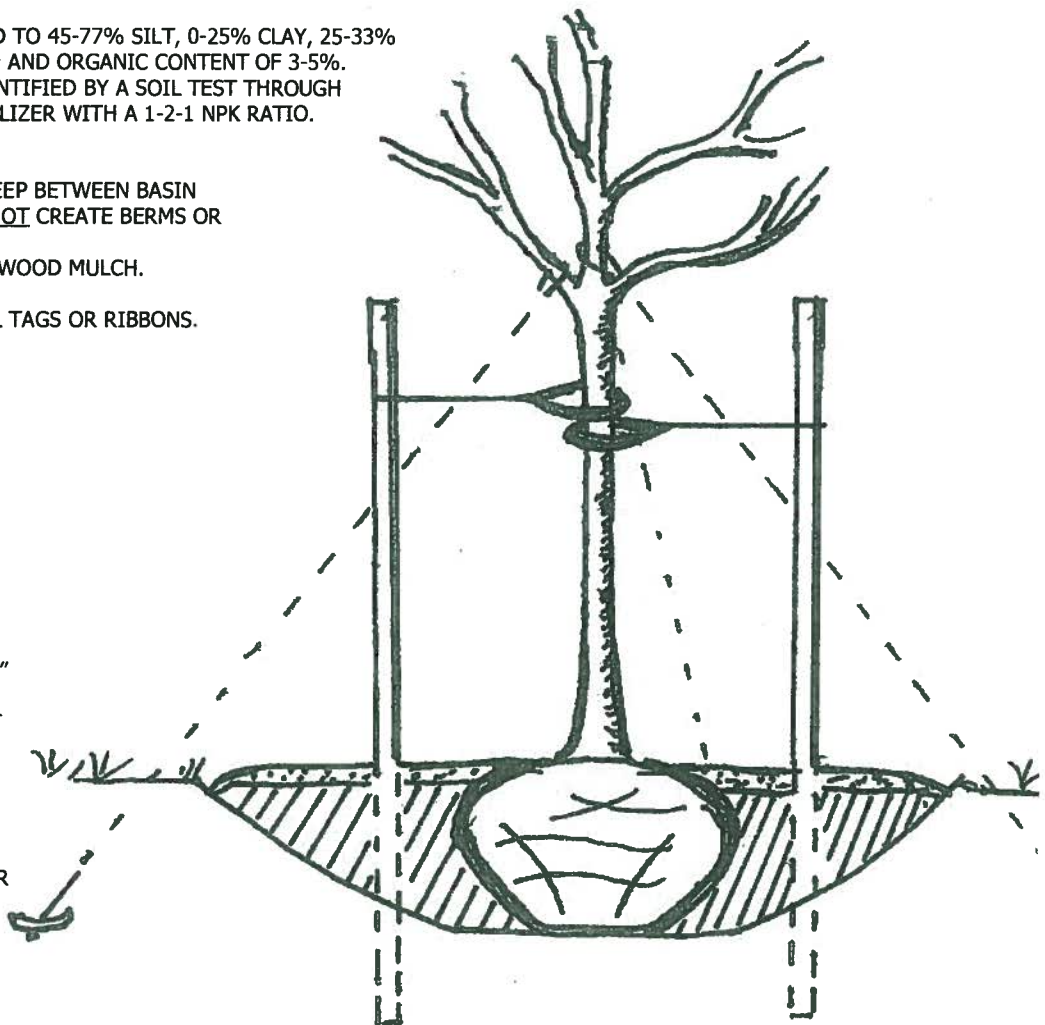
MAKE AN EDGE THREE INCHES DEEP BETWEEN BASIN AND SURROUNDING TURF. DO NOT CREATE BERMS OR RIDGES. APPLY A TWO TO THREE INCH LAYER OF SHREDDED HARDWOOD MULCH. KEEP MULCH AWAY FROM TRUNK. REMOVE TRUNK GUARDS AND ALL TAGS OR RIBBONS.

DO NOT PRUNE TREES.

SOAK BOTH ROOT BALL AND BACKFILL WITH WATER. ADD ADDITIONAL BACKFILL AS NEEDED.

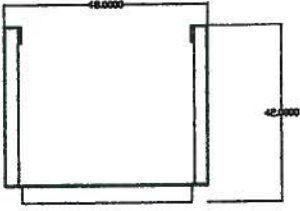
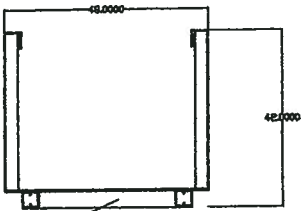
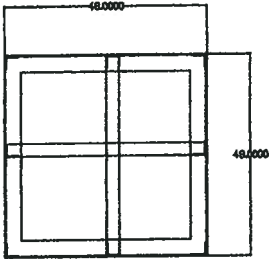
UNLESS CANCELED BY FORESTRY STAFF, SUPPORT THE TREE WITH GUY WIRES ATTACHED TO TWO 2" x 2" OAK STAKES EXTENDING 4 FEET ABOVE GROUND AND 2 FEET BELOW. WIRE WITHIN EIGHT INCHES OF THE TRUNK SHALL BE ENCLOSED IN RUBBER HOSE OR CANVAS STRAPS.

TREES 4 INCHES DBH OR GREATER MUST BE GUYED WITH 3 GROUND ANCHORS.



PLANT TREE(S) ONLY IN COORDINATION WITH THE BALTIMORE CITY RECREATION AND PARKS – FORESTRY STAFF. PLANT TREES ONLY BETWEEN THE DATES OF MARCH 15 THRU MAY 15 OR OCTOBER 1 THRU DECEMBER 1, UNLESS AUTHORIZED BY CEMETERY STAFF.

Exhibit D



Removable toe kick to access slides.

8

