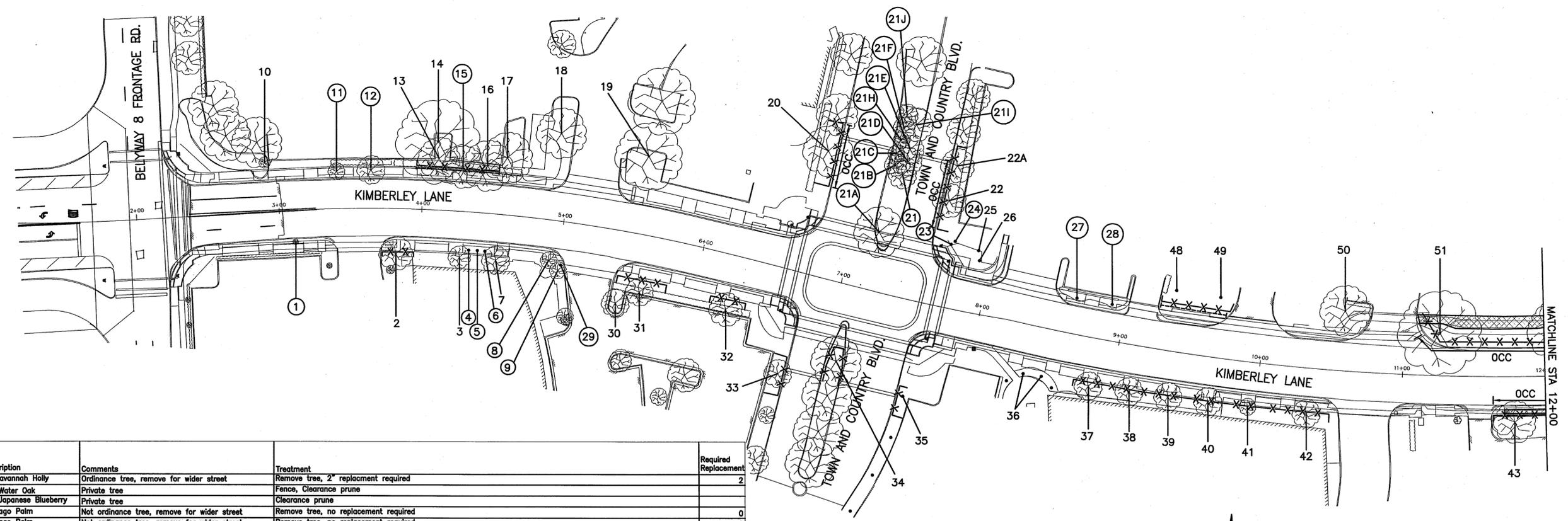
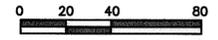


\$DATE\$ \$TIME\$ \$USERNAME\$ \$FILE\$

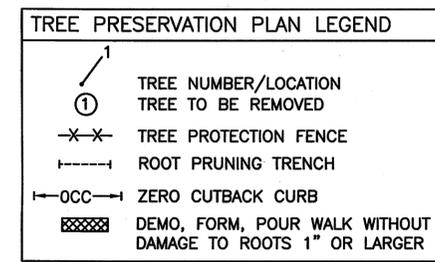
| | | |
|-----|------|----------|
| NO. | DATE | REVISION |
| | | |
| | | |



NOTE:
 THIS TREE PROTECTION PLAN WAS DEVELOPED WITH INFORMATION PROVIDED BY DESIGN ENGINEER IN DRAWINGS DATED OCTOBER 2010. THE PLAN CONSIDERS ALL FITTINGS, VERTICAL OFFSETS AND AREAS OF NECESSARY EXCAVATION. CHANGES MADE TO DESIGN MY COMPROMISE THE TREE PROTECTION PLAN. REFER SPECIFICATIONS 01562 AND 02915. CONDITION OF EACH TREE IS BASED ON VISUAL EVALUATION AT TIME OF DESIGN. CONDITION AND STRUCTURAL INTEGRITY OF EACH TREE IS NOT GUARANTEED BY DESIGNER AT ANY POINT IN THE FUTURE, AS ENVIRONMENTAL AND MAINTENANCE INFLUENCES ON EACH TREE CAN NOT BE DETERMINED BY DESIGNER.



| Tree No. | Description | Comments | Treatment | Required Replacement |
|----------|------------------------|---|--|----------------------|
| 1 | 2" Savannah Holly | Ordinance tree, remove for wider street | Remove tree, 2" replacement required | 2 |
| 2 | 10" Water Oak | Private tree | Fence, Clearance prune | |
| 3 | 10" Japanese Blueberry | Private tree | Clearance prune | |
| 4 | 3" Sago Palm | Not ordinance tree, remove for wider street | Remove tree, no replacement required | 0 |
| 5 | 3" Sago Palm | Not ordinance tree, remove for wider street | Remove tree, no replacement required | 0 |
| 6 | 3" Sago Palm | Not ordinance tree, remove for wider street | Remove tree, no replacement required | 0 |
| 7 | 10" Japanese Blueberry | Private tree | Clearance prune | |
| 8 | 6" Crepe Myrtle | Not ordinance tree, remove for wider street | Remove tree, no replacement required | 0 |
| 9 | 6" Crepe Myrtle | Not ordinance tree, remove for wider street | Remove tree, no replacement required | 0 |
| 10 | 8" Crepe Myrtle | Private tree, will not be impacted | | |
| 11 | 7" Chinese Pistache | Ordinance tree, remove for wider street | Remove tree, 7" replacement required | 7 |
| 12 | 11" Chinese Pistache | Ordinance tree, remove for wider street | Remove tree, 11" replacement required | 11 |
| 13 | 13" Post Oak | Private tree | Root prune for sidewalk, Fence | |
| 14 | 27" Post Oak | Private tree | Root prune for sidewalk, Fence | |
| 15 | 13" Post Oak | Ordinance tree, remove for wider street | Remove tree, 13" replacement required | 13 |
| 16 | 13" Post Oak | Private tree | Root prune for sidewalk, Fence | |
| 17 | 25" Post Oak | Private tree | Root prune for sidewalk, Fence | |
| 18 | 40" Palm | Private tree, will not be impacted | | |
| 19 | 27" Post Oak | Private tree, will not be impacted | | |
| 20 | 17" Sycamore | Ordinance tree | Zero curb cutback, Fence, Root stimulate, Clearance prune | |
| 21 | 10" Crepe Myrtle | Not ordinance tree, remove for storm | Remove tree, no replacement required | 0 |
| 21A | 17" Post Oak | Ordinance tree, remove for wider street | Remove tree, 17" replacement required | 17 |
| 21B | 8" Crepe Myrtle | Not ordinance tree, remove for storm | Remove tree, no replacement required | 0 |
| 21C | 7" Crepe Myrtle | Not ordinance tree, remove for storm | Remove tree, no replacement required | 0 |
| 21D | 10" Crepe Myrtle | Not ordinance tree, remove for storm | Remove tree, no replacement required | 0 |
| 21E | 10" Crepe Myrtle | Not ordinance tree, remove for storm | Remove tree, no replacement required | 0 |
| 21F | 8" Crepe Myrtle | Not ordinance tree, remove for storm | Remove tree, no replacement required | 0 |
| 21G | 13" Nuttall Oak | Ordinance tree | Zero curb cutback, Fence, Root stimulate, Clearance prune | |
| 21H | 9" Crepe Myrtle | Not ordinance tree, remove for storm | Remove tree, no replacement required | 0 |
| 21I | 10" Crepe Myrtle | Not ordinance tree, remove for storm | Remove tree, no replacement required | 0 |
| 21J | 10" Crepe Myrtle | Not ordinance tree, remove for storm | Remove tree, no replacement required | 0 |
| 22 | 13" Nuttall Oak | Ordinance tree | Zero curb cutback, Fence, Root stimulate, Clearance prune | |
| 23 | 23" Post Oak | Ordinance tree, remove for sidewalk | Remove tree, 23" replacement required | 23 |
| 24 | 19" Post Oak | Ordinance tree, remove for sidewalk | Remove tree, 19" replacement required | 19 |
| 25 | 14" Post Oak | Mostly dead, Private tree | | |
| 26 | 21" Post Oak | Mostly dead, Private tree | | |
| 27 | 11" Chinese Pistache | Ordinance tree, remove for wider street | Remove tree, 11" replacement required | 11 |
| 28 | 13" Chinese Pistache | Ordinance tree, remove for wider street | Remove tree, 13" replacement required | 13 |
| 29 | 5" Hibiscus | Not ordinance tree, remove for wider street | Remove tree, no replacement required | 0 |
| 30 | 10" Chinese Pistache | Private tree | Fence | |
| 31 | 10" Chinese Pistache | Private tree | Fence, Clearance prune | |
| 32 | 12" Chinese Pistache | Private tree | Fence, Clearance prune | |
| 33 | 8" Nuttall Oak | Ordinance tree | Fence, Clearance prune | |
| 34 | 40" Palm | Not ordinance tree | Fence | |
| 35 | 10" Nuttall Oak | Ordinance tree | Fence, Clearance prune | |
| 36 | 20" Palm | Private tree, will not be impacted | | |
| 37 | 10" Chinese Pistache | Private tree | Root prune for sidewalk, Fence, Clearance prune | |
| 38 | 10" Chinese Pistache | Private tree | Root prune for sidewalk, Fence, Clearance prune | |
| 39 | 10" Chinese Pistache | Private tree | Root prune for sidewalk, Fence, Clearance prune | |
| 40 | 10" Chinese Pistache | Private tree | Root prune for sidewalk, Fence, Clearance prune | |
| 41 | 10" Chinese Pistache | Private tree | Root prune for sidewalk, Fence, Clearance prune | |
| 42 | 10" Chinese Pistache | Private tree | Root prune for sidewalk, Fence, Clearance prune | |
| 43 | 19" Pine | Private tree | Demo-form-pour sidewalk without damage to tree roots 1" or larger, Zero curb cutback, Fence, Root stimulate | |
| 44 | 15" Pine | Private tree | Demo-form-pour sidewalk without damage to tree roots 1" or larger, Zero curb cutback, Fence, Root stimulate | |
| 45 | 17" Pine | Private tree | Demo-form-pour sidewalk without damage to tree roots 1" or larger, Zero curb cutback, Fence, Root stimulate | |
| 46 | 16" Pine | Private tree | Demo-form-pour sidewalk without damage to tree roots 1" or larger, Zero curb cutback, Fence, Root stimulate | |
| 47 | 13" Pine | Private tree | Demo-form-pour sidewalk without damage to tree roots 1" or larger, Zero curb cutback, Fence, Root stimulate | |
| 48 | 22" Pine | Private tree | Root prune for sidewalk, Fence | |
| 49 | 8" Live Oak | Private tree | Root prune for sidewalk, Fence | |
| 50 | 19" Willow Oak | SBISD tree, decay | SBISD has been made aware of condition | |
| 51 | 35" Post Oak | Ordinance tree | Crown Cleaning prune, Clearance prune, Root stimulate, Demo-form-pour sidewalk without damage to tree roots 1" or larger, Zero Curb cutback, Fence | |



| Tree No. | Description | Comments | Treatment | Required Replacement |
|----------|----------------|-------------------|--|----------------------|
| 45 | 17" Pine | Private tree | Demo-form-pour sidewalk without damage to tree roots 1" or larger, Zero curb cutback, Fence, Root stimulate | |
| 46 | 16" Pine | Private tree | Demo-form-pour sidewalk without damage to tree roots 1" or larger, Zero curb cutback, Fence, Root stimulate | |
| 47 | 13" Pine | Private tree | Demo-form-pour sidewalk without damage to tree roots 1" or larger, Zero curb cutback, Fence, Root stimulate | |
| 48 | 22" Pine | Private tree | Root prune for sidewalk, Fence | |
| 49 | 8" Live Oak | Private tree | Root prune for sidewalk, Fence | |
| 50 | 19" Willow Oak | SBISD tree, decay | SBISD has been made aware of condition | |
| 51 | 35" Post Oak | Ordinance tree | Crown Cleaning prune, Clearance prune, Root stimulate, Demo-form-pour sidewalk without damage to tree roots 1" or larger, Zero Curb cutback, Fence | |

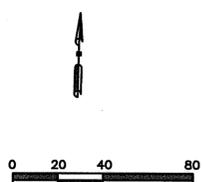
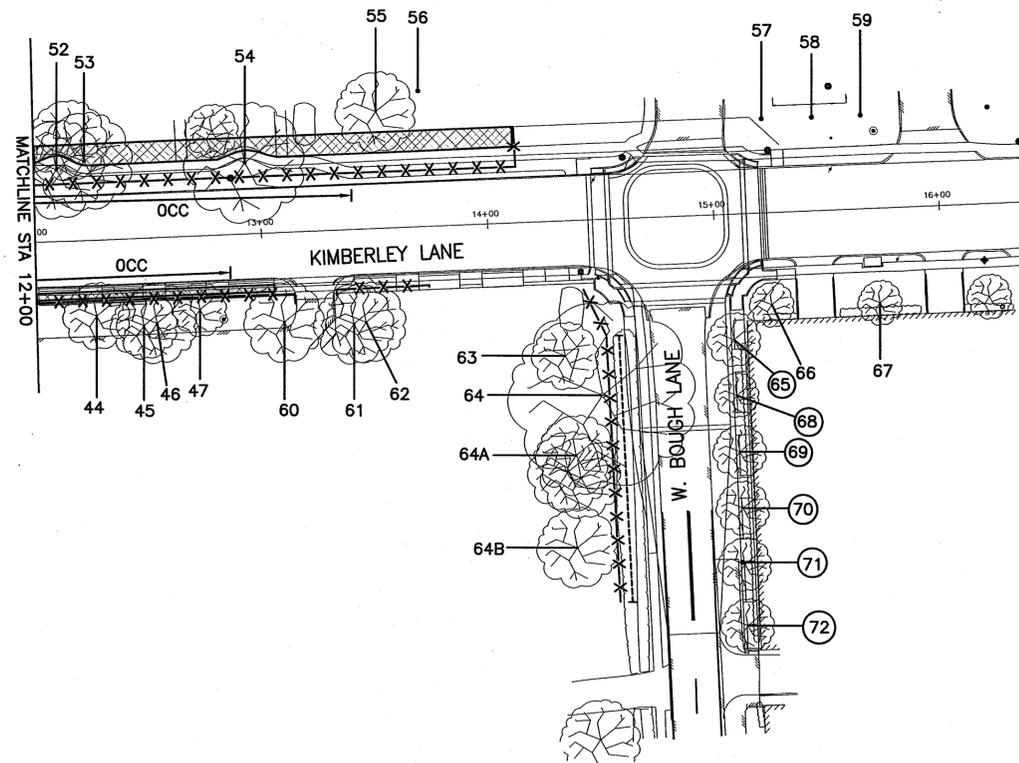
MEMORIAL CITY REDEVELOPMENT AUTHORITY

C.N. Koehl
 Urban Forestry, Inc.
 3237 Canvasback Street • Katy, Texas 77493
 281-391-0022 ckoehl@koehlurbanforestry.com
 Approved *[Signature]* 10/15/10
 KIMBERLEY LANE
 T-170018-0001-3
TREE PROTECTION PLAN
 SHEET 1 OF 3
CITY OF HOUSTON
 DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

| | | |
|--------------|------------|---------|
| WATER | WASTEWATER | TRAFFIC |
| ST. & BRIDGE | STORMWATER | SWQ |

FILE NO.: _____ FACILITY _____
 DRAWING SCALE: _____ CITY DWG NO. _____
 VERT: _____
 HORZ: 1" = 40'
 SHEET: 124 OF 137

\$USERNAME\$ \$TIME\$ \$DATE\$ \$FILES\$



NOTE:
 THIS TREE PROTECTION PLAN WAS DEVELOPED WITH INFORMATION PROVIDED BY DESIGN ENGINEER IN DRAWINGS DATED OCTOBER 2010. THE PLAN CONSIDERS ALL FITTINGS, VERTICAL OFFSETS AND AREAS OF NECESSARY EXCAVATION. CHANGES MADE TO DESIGN MY COMPROMISE THE TREE PROTECTION PLAN. REFER SPECIFICATIONS 01562 AND Q2915. CONDITION OF EACH TREE IS BASED ON VISUAL EVALUATION AT TIME OF DESIGN. CONDITION AND STRUCTURAL INTEGRITY OF EACH TREE IS NOT GUARANTEED BY DESIGNER AT ANY POINT IN THE FUTURE, AS ENVIRONMENTAL AND MAINTENANCE INFLUENCES ON EACH TREE CAN NOT BE DETERMINED BY DESIGNER.

| TREE PRESERVATION PLAN LEGEND | |
|-------------------------------|---|
| ① | TREE NUMBER/LOCATION TREE TO BE REMOVED |
| -X-X- | TREE PROTECTION FENCE |
| ---- | ROOT PRUNING TRENCH |
| ←OCC→ | ZERO CUTBACK CURB |
| ▨ | DEMO. FORM, POUR WALK WITHOUT DAMAGE TO ROOTS 1" OR LARGER |

| Tree No. | Description | Comments | Treatment | Required Replacement |
|----------|-------------------|---|--|----------------------|
| 44 | 15" Pine | Private tree | Demo-form-pour sidewalk without damage to tree roots 1" or larger, Zero curb cutback, Fence, Root stimulate | |
| 45 | 17" Pine | Private tree | Demo-form-pour sidewalk without damage to tree roots 1" or larger, Zero curb cutback, Fence, Root stimulate | |
| 46 | 16" Pine | Private tree | Demo-form-pour sidewalk without damage to tree roots 1" or larger, Zero curb cutback, Fence, Root stimulate | |
| 47 | 13" Pine | Private tree | Demo-form-pour sidewalk without damage to tree roots 1" or larger, Zero curb cutback, Fence, Root stimulate | |
| 48 | 22" Pine | Private tree | Root prune for sidewalk, Fence | |
| 49 | 8" Live Oak | Private tree | Root prune for sidewalk, Fence | |
| 50 | 19" Willow Oak | SBISD tree, decay | SBISD has been made aware of condition | |
| 51 | 35" Post Oak | Ordinance tree | Crown Cleaning prune, Clearance prune, Root stimulate, Demo-form-pour sidewalk without damage to tree roots 1" or larger, Zero Curb cutback, Fence, Bore waterline | |
| 52 | 22" Post Oak | Private tree | Clearance prune, Root stimulate, Demo-form-pour sidewalk without damage to tree roots 1" or larger, Zero Curb cutback, Fence, Bore waterline | |
| 53 | 20" Post Oak | Private tree | Clearance prune, Root stimulate, Demo-form-pour sidewalk without damage to tree roots 1" or larger, Zero Curb cutback, Fence, Bore waterline | |
| 54 | 28" Post Oak | Private tree | Clearance prune, Root stimulate, Demo-form-pour sidewalk without damage to tree roots 1" or larger, Zero Curb cutback, Fence, Bore waterline | |
| 55 | 24" Live Oak | Private tree | Demo-form-pour sidewalk without damage to tree roots 1" or larger, Fence, Clearance prune | |
| 56 | 26" Live Oak | Private tree | Demo-form-pour sidewalk without damage to tree roots 1" or larger, Fence, Clearance prune | |
| 57 | 3" Baldcypress | Private tree, will not be impacted | | |
| 58 | 5" Live Oak | Private tree, will not be impacted | | |
| 59 | 4" Live Oak | Private tree, will not be impacted | | |
| 60 | 25" Post Oak | Private tree | Demo-form-pour sidewalk without damage to tree roots 1" or larger, Fence | |
| 61 | 23" Post Oak | Private tree | Root prune for sidewalk, Fence | |
| 62 | 21" Post Oak | Private tree | Root prune for sidewalk, Fence | |
| 63 | 16" Pine | Private tree | Root prune for sidewalk, Fence | |
| 64 | 38" Cedar | Private tree | Root prune for sidewalk, Fence | |
| 64A | 15" Pine | Private tree | Root prune for sidewalk, Fence | |
| 64B | 15" Pine | Private tree | Root prune for street, Fence | |
| 65 | 11" Bradford Pear | Not ordinance tree, remove for sidewalk | Remove tree, no replacement required | 0 |
| 66 | 10" Bradford Pear | Dead, Private tree, will not be impacted | | |
| 67 | 9" Bradford Pear | 70% dieback, Private tree, will not be impacted | | |
| 68 | 10" Bradford Pear | Not ordinance tree, remove for sidewalk | Remove tree, no replacement required | 0 |
| 69 | 11" Bradford Pear | Not ordinance tree, remove for sidewalk | Remove tree, no replacement required | 0 |
| 70 | 10" Bradford Pear | Not ordinance tree, remove for sidewalk | Remove tree, no replacement required | 0 |
| 71 | 10" Bradford Pear | Not ordinance tree, remove for sidewalk | Remove tree, no replacement required | 0 |
| 72 | 10" Bradford Pear | Not ordinance tree, remove for sidewalk | Remove tree, no replacement required | 0 |

**MEMORIAL CITY
REDEVELOPMENT AUTHORITY**



**Lockwood, Andrews
& Newnam, Inc.**
A LEO A DALY COMPANY



C.N. Koehl
 Urban Forestry, Inc.
3237 Canvasback Street • Katy, Texas 77493
 281-391-0022 ckoehl@koehlurbanforestry.com

Approved: *Craig W. Koehl* 10/15/10
 KIMBERLEY LANE
 T-170018-0001-3
**TREE PROTECTION PLAN
SHEET 2 OF 3**

CITY OF HOUSTON
 DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

| | | |
|--------------|------------|---------|
| WATER | WASTEWATER | TRAFFIC |
| ST. & BRIDGE | STORMWATER | SWQ |

FILE NO.: _____ FACILITY _____
 DRAWING SCALE: _____ CITY DWG NO. _____
 VERT: _____
 HORZ: 1" = 40'
 SHEET: 125 OF 137

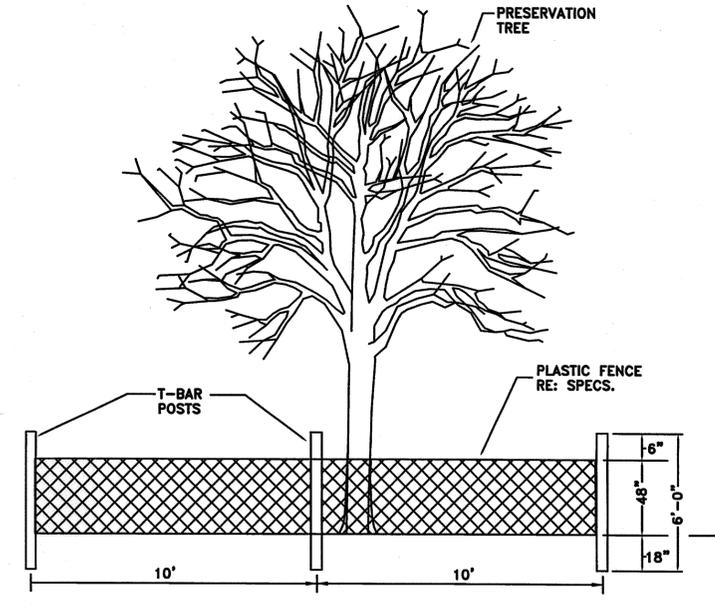
| |
|-------------------|
| APP |
| NO. DATE REVISION |

| Tree Removal List | | |
|-----------------------------------|----------------------|-------------------------|
| Tree No. | Description | Replacement requirement |
| 1 | 2" Savannah Holly | 2 |
| 4 | 3" Sago Palm | 0 |
| 5 | 3" Sago Palm | 0 |
| 6 | 3" Sago Palm | 0 |
| 8 | 6" Crepe Myrtle | 0 |
| 9 | 6" Crepe Myrtle | 0 |
| 11 | 7" Chinese Pistache | 7 |
| 12 | 11" Chinese Pistache | 11 |
| 15 | 13" Post Oak | 13 |
| 21 | 10" Crepe Myrtle | 0 |
| 21A | 17" Post Oak | 17 |
| 21B | 8" Crepe Myrtle | 0 |
| 21C | 7" Crepe Myrtle | 0 |
| 21D | 10" Crepe Myrtle | 0 |
| 21E | 10" Crepe Myrtle | 0 |
| 21F | 6" Crepe Myrtle | 0 |
| 21H | 9" Crepe Myrtle | 0 |
| 21I | 10" Crepe Myrtle | 0 |
| 21J | 10" Crepe Myrtle | 0 |
| 23 | 23" Post Oak | 23 |
| 24 | 19" Post Oak | 19 |
| 27 | 11" Chinese Pistache | 11 |
| 28 | 13" Chinese Pistache | 13 |
| 29 | 5" Hibiscus | 0 |
| 65 | 11" Bradford Pear | 0 |
| 68 | 10" Bradford Pear | 0 |
| 69 | 11" Bradford Pear | 0 |
| 70 | 10" Bradford Pear | 0 |
| 71 | 10" Bradford Pear | 0 |
| 72 | 10" Bradford Pear | 0 |
| TOTAL REPLACEMENT INCHES REQUIRED | | 116 |

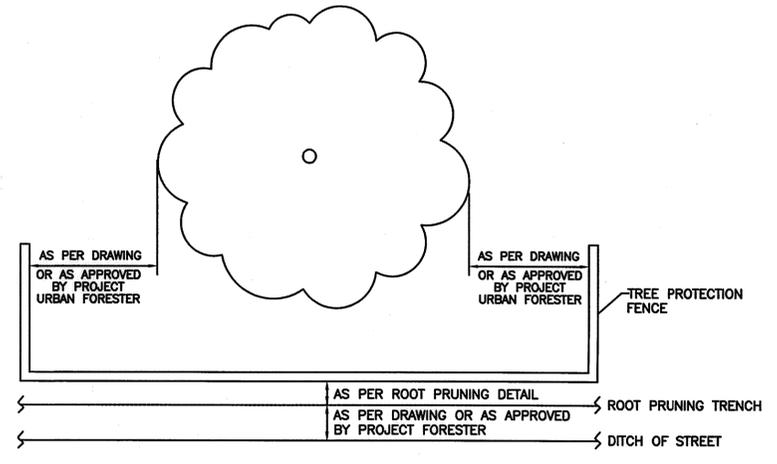
| Tree Replacement List | | |
|--|---------|---------------------------|
| Quantity | Species | Container/Tree Spade size |
| Proposed concrete construction across entire right of way. No available planting space along project area. | | |
| | | 0 |

NOTE: Tree replacement locations shown on plans must be coordinated with adjacent property owner and City of Houston Urban Forestry prior to excavation for planting. Coordination shall be completed by construction contractor's Certified Arborist.

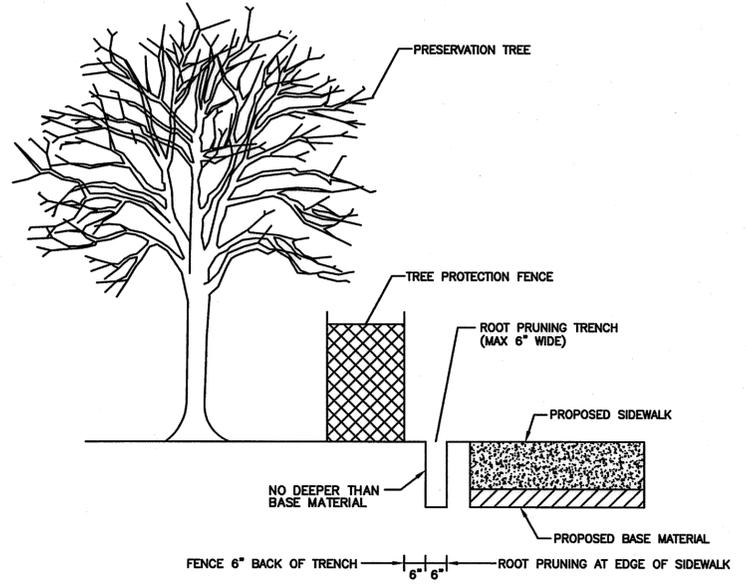
\$USERNAME\$ \$TIME\$ \$DATE\$ \$FILES\$



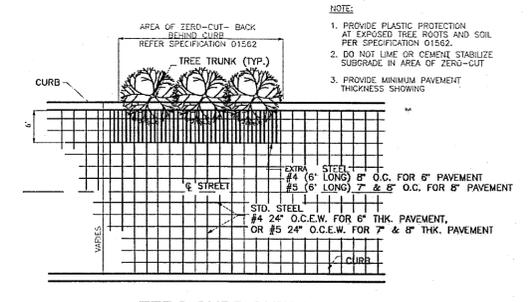
TREE PROTECTION FENCING DETAIL A
NOT TO SCALE



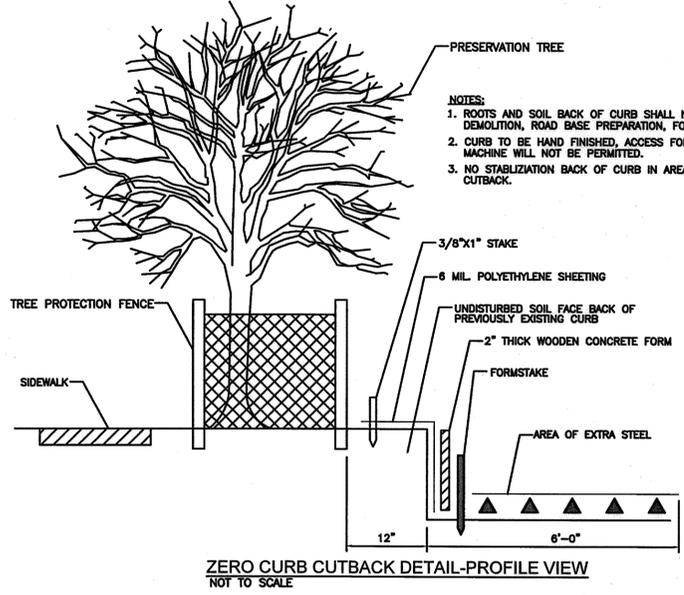
TREE PROTECTION FENCING DETAIL B
NOT TO SCALE



ROOT PRUNE FOR SIDEWALK
NOT TO SCALE



ZERO CURB CUTBACK DETAIL
EXTRA STEEL BEHIND CURB
NOT TO SCALE



ZERO CURB CUTBACK DETAIL-PROFILE VIEW
NOT TO SCALE

MEMORIAL CITY REDEVELOPMENT AUTHORITY

Lockwood, Andrews & Newnam, Inc. A LEO A DALY COMPANY

C.N. Koehl Urban Forestry, Inc.

3237 Canvasback Street • Katy, Texas 77493
281-391-0022 ckoehl@koehlurbanforestry.com
Approved *Craig W. Koehl* 10/15/10

KIMBERLEY LANE
T-170018-0001-3
TREE PROTECTION PLAN
SHEET 3 OF 3

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

| | | |
|--------------|------------|---------|
| WATER | WASTEWATER | TRAFFIC |
| ST. & BRIDGE | STORMWATER | SWQ |

FILE NO.: FACILITY

DRAWING SCALE: CITY DWG NO.

VERT: 1"=40'
SHEET: 126 OF 137

| |
|----------|
| APP |
| NO |
| DATE |
| REVISION |