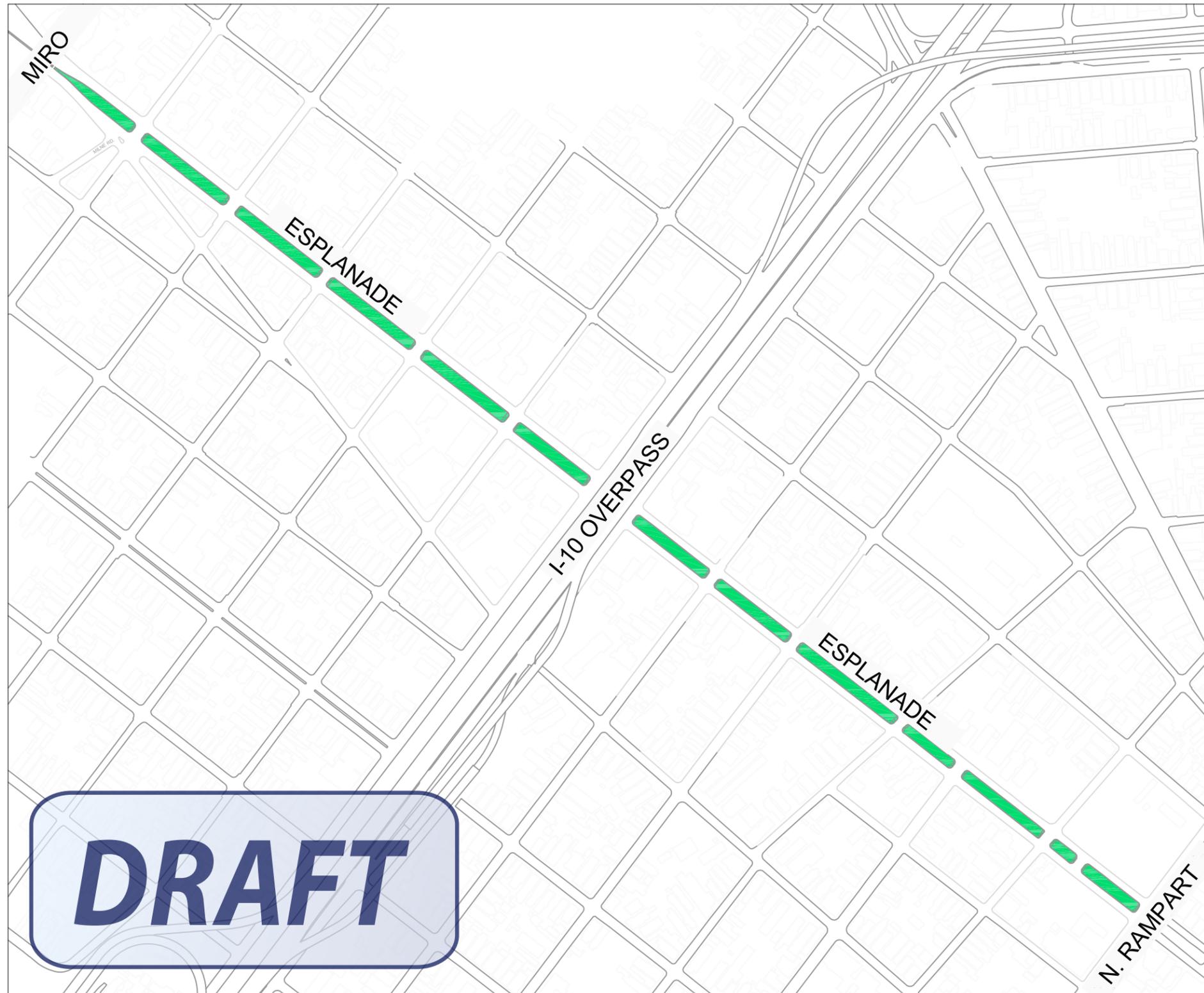


Esplanade Avenue Median Restoration

Landscape Plan: Miro Street to N. Rampart Street

November 2013



OWNER:
City of New Orleans
1300 Perdido Street, City Hall
New Orleans, LA 70112



LANDSCAPE ARCHITECT:
Department of Parks & Parkways
Ann E. Macdonald, Director
Hailey D. Bowen, Landscape Architect
2829 Gentilly Blvd.
New Orleans, LA 70122

SHEETS:

1-13	Plans
14-16	Site Documentation
17	Schedule of Work
18	Tree Planting Detail
19-20	Alternate 2 & 3 Details

RESTORATION GOALS:

1. Rejuvenate the existing live oak canopy (soil aeration, soil conditioning, dead wood removal, fertilize and mulch).
2. Install new live oak trees where mature live oak trees are currently in decline.
3. Remove hazardous live oak trees as a last resort.
4. Restore the ground plane (restore turf where possible, simplify the existing random groundcover and shrub plantings, prune/remove small trees and shrubs as appropriate).
5. A turf reinforcement system will be utilized to protect the grass in the event that the budget does not allow for a concrete path.

MIRO

Crape Myrtle - corrective pruning

30" Oak

Mulch

20" Oak

Sod

20" Oak

20" Oak

Remove 2" Tallow Tree
(invasive tree)

Ligustrum - corrective pruning

28" Oak

Utility Box

Note:
Generally remove all debris,
including old path edging,
concrete spill, gravel, volunteer
seedlings, etc. along the length
of the entire project area

Remove 16" Oak due to major decline

New Live Oak

9" Oak - corrective prune

LEGEND:

-  Sod
-  Mulch
-  Turf reinforcement or Concrete Path
-  Existing tree
-  Existing tree in decline
-  Tree or plant removal
-  New Live Oak tree

DRAFT

RD.

N. GALVEZ

2100 BLOCK



ESPLANADE AVENUE RESTORATION

Miro Street to Rampart St.
City of New Orleans Department of Parks & Parkways

Drawn: Hailey Bowen, Chief Landscape Architect
Checked: Ann E. Macdonald, Director
Date: November 2013
Scale: 1" = 30'



SHEET NO.

1

OF 20

N. GALVEZ

Remove concrete debris from trunk flare (typical for entire site)

Remove edging (typical for entire site)

3" Oak - corrective pruning

Alt. 1: Turf reinforcement mesh or Alt. 2: Concrete Path. Do not airspace path location.

9" Oak - corrective pruning

7" Oak - corrective pruning

Remove Ligustrum due to proximity to cypress

10" Cypress - limb up canopy

29" Oak

Existing Pampas Grass & Cast Irons

Bed clean up: Remove volunteer rain tree seedlings and crape myrtle (poor condition)

21" Oak

Sod

Remove Crape Myrtle due to poor condition

31" Oak

18" Oak

22" Oak (In decline) - remove dead wood

Remove Crape Myrtle due to poor condition

24" Oak

LEGEND:

- Sod
- Mulch
- Turf reinforcement or Concrete Path
- Existing tree
- Existing tree in decline
- Tree or plant removal
- New Live Oak tree

BAYOU RD.

DRAFT

JOHNSON

Orchid

2000 BLOCK

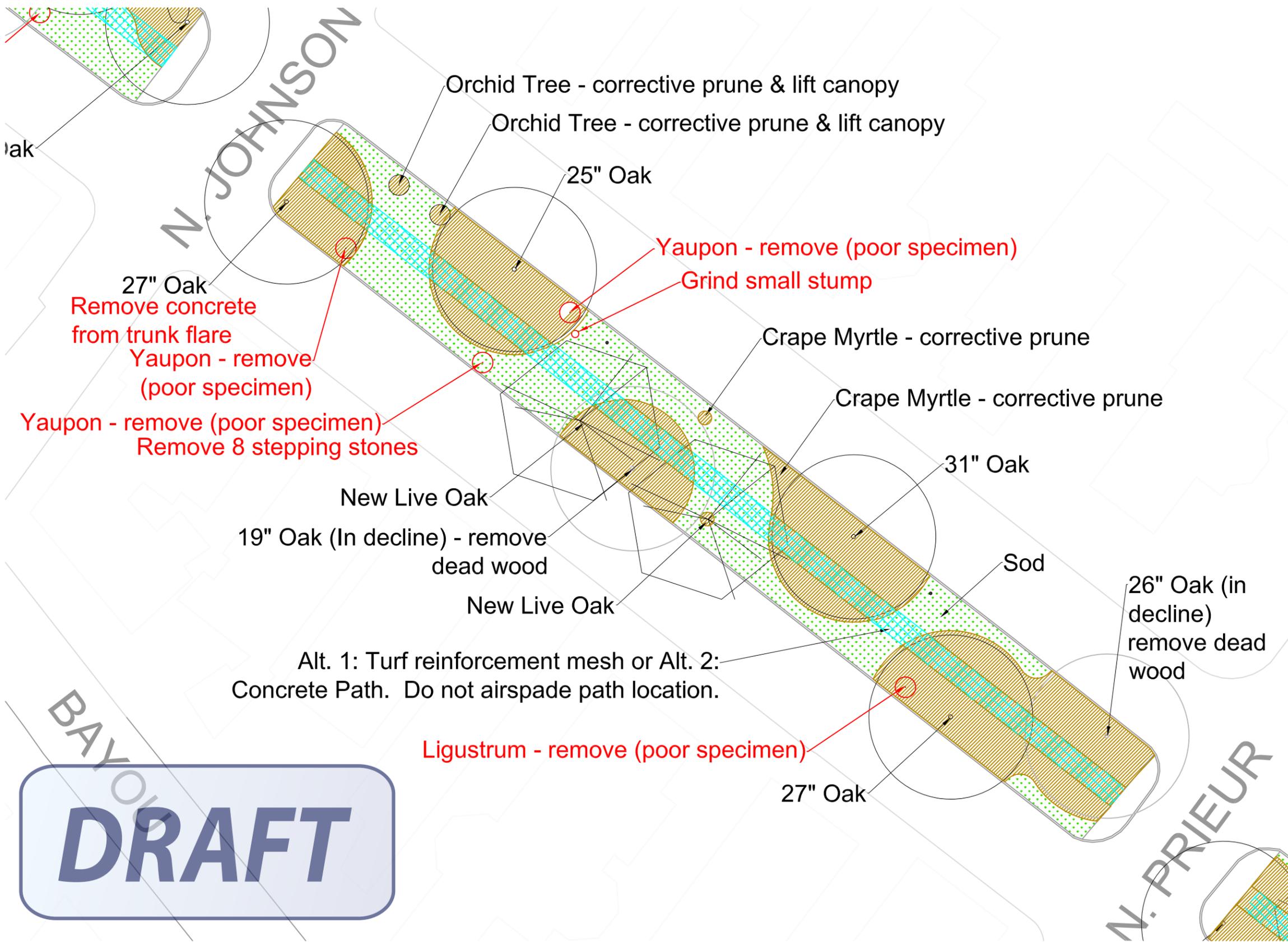


ESPLANADE AVENUE RESTORATION
Miro Street to Rampart St.
City of New Orleans Department of Parks & Parkways

Drawn: Hailey Bowen, Chief Landscape Architect
Checked: Ann E. Macdonald, Director
Date: August 2013
Scale: 1" = 30'



SHEET NO.
2
OF 18



LEGEND:

-  Sod
-  Mulch
-  Turf reinforcement or Concrete Path
-  Existing tree
-  Existing tree in decline
-  Tree or plant removal
-  New Live Oak tree

1900 BLOCK

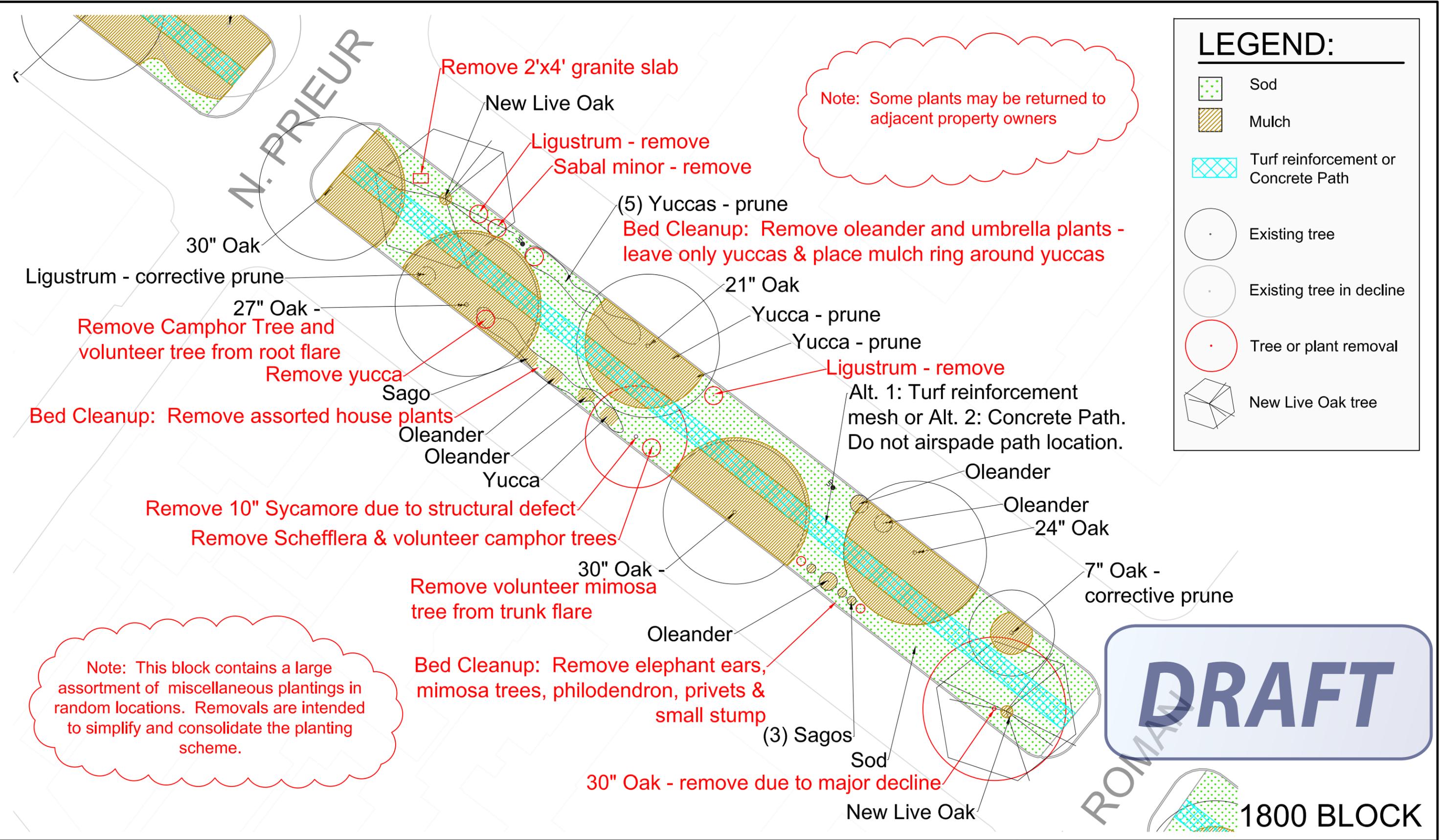


ESPLANADE AVENUE RESTORATION
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SHEET NO.
3
 OF 20



ESPLANADE AVENUE RESTORATION

Miro Street to Rampart St.
City of New Orleans Department of Parks & Parkways

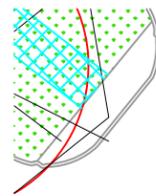
Drawn: Hailey Bowen, Chief Landscape Architect
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Date: August 2013
Scale: 1" = 30'



SHEET NO.

4

OF 20



N. ROMAN

23" Oak
24" Oak

Alt. 1: Turf reinforcement mesh or Alt. 2:
Concrete Path. Do not airspade path location.

New Live Oak

19" Oak (in decline) -
remove dead wood

34" Oak -
Remove volunteer tree in root flare

25" Oak

25" Oak

Sod

26" Oak

Random Ginger plantings

26" Oak

Random Ginger plantings

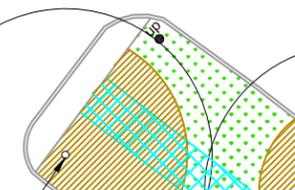
Consolidate gingers into a
single bed

Random Ginger plants

20" Oak

26" Oak

N. DERBIGNY



LEGEND:

-  Sod
-  Mulch
-  Turf reinforcement or Concrete Path
-  Existing tree
-  Existing tree in decline
-  Tree or plant removal
-  New Live Oak tree

DRAFT

1700 BLOCK



ESPLANADE AVENUE RESTORATION

Miro Street to Rampart St.
City of New Orleans Department of Parks & Parkways

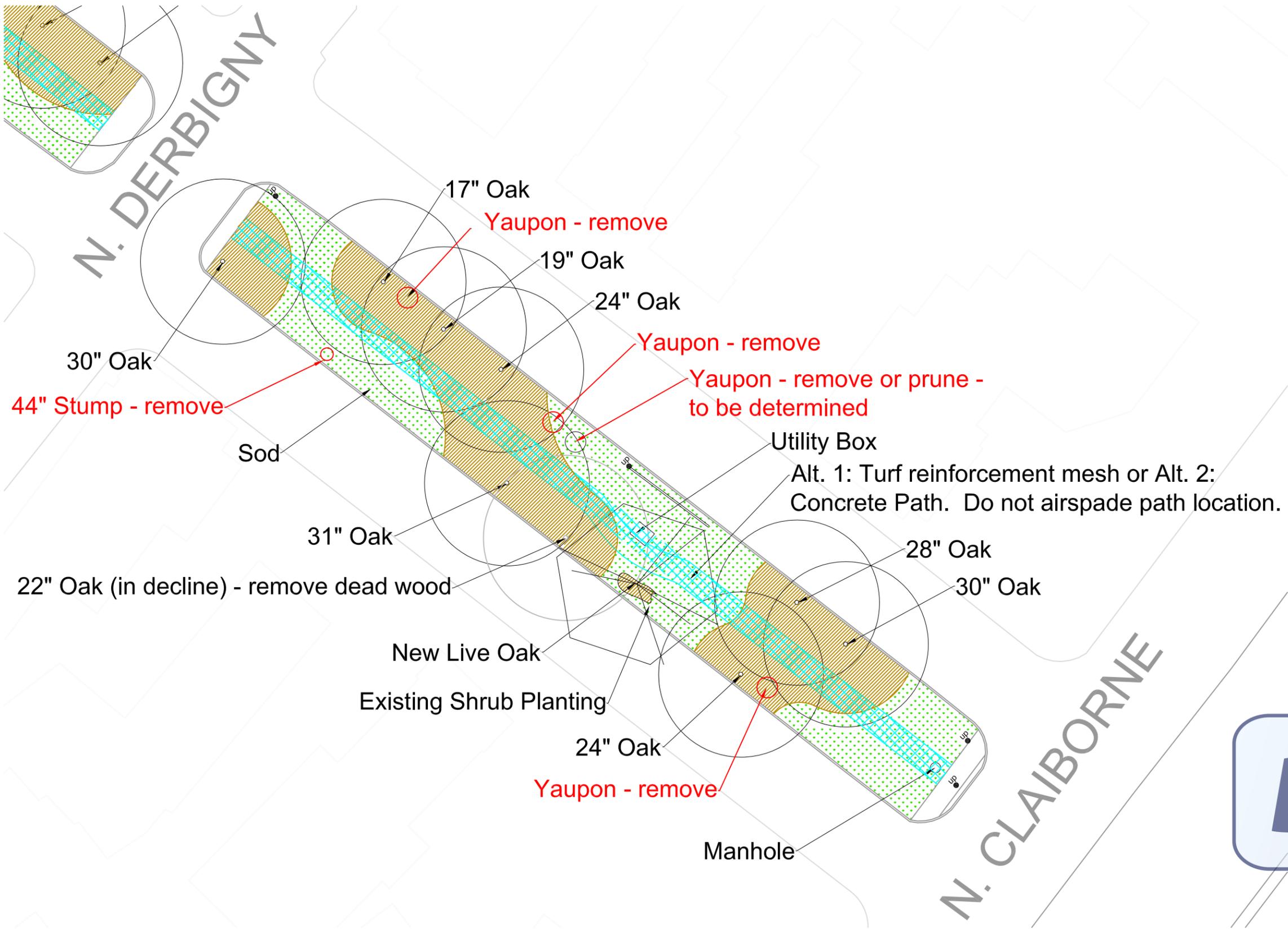
Drawn: Hailey Bowen, Chief Landscape Architect
Checked: Ann E. Macdonald, Director
Date: August 2013
Scale: 1" = 30'



SHEET NO.

5

OF 20



LEGEND:

-  Sod
-  Mulch
-  Turf reinforcement or Concrete Path
-  Existing tree
-  Existing tree in decline
-  Tree or plant removal
-  New Live Oak tree

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1600 BLOCK



ESPLANADE AVENUE RESTORATION

Miro Street to Rampart St.
City of New Orleans Department of Parks & Parkways

Drawn: Hailey Bowen, Chief Landscape Architect
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 Date: August 2013
 Scale: 1" = 30'

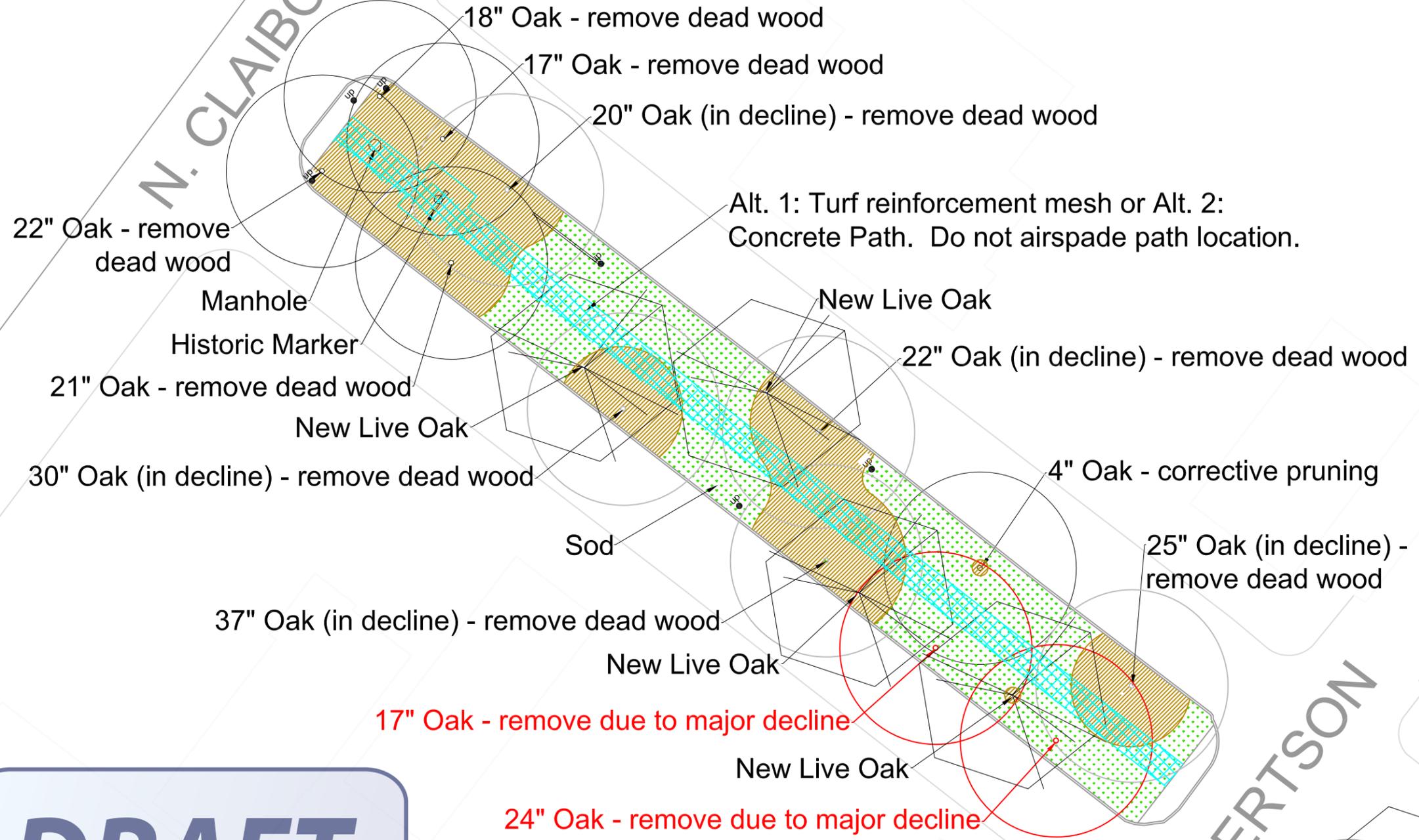
SHEET NO.

6

OF 20



N. CLAIBORNE



LEGEND:

-  Sod
-  Mulch
-  Turf reinforcement or Concrete Path
-  Existing tree
-  Existing tree in decline
-  Tree or plant removal
-  New Live Oak tree

DRAFT

J. ROBERTSON

1500 BLOCK

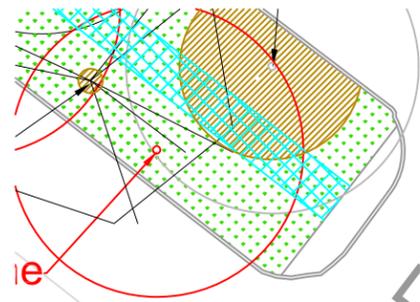


ESPLANADE AVENUE RESTORATION
 Miro Street to Rampart St.
 City of New Orleans Department of Parks & Parkways

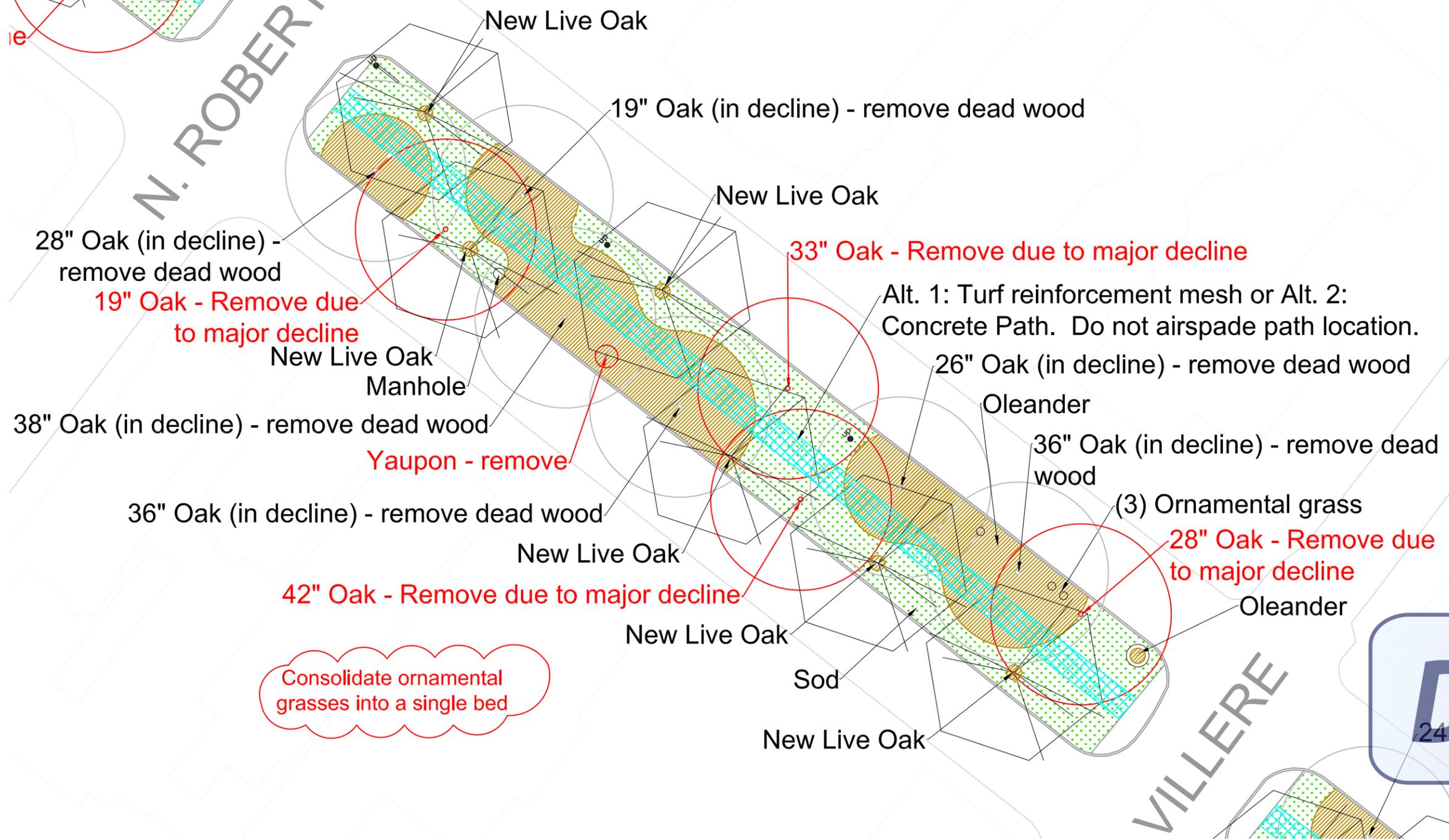
Drawn: Hailey Bowen, Chief Landscape Architect
 Checked: Ann E. Macdonald, Director
 Date: August 2013
 Scale: 1" = 30'



SHEET NO.
7
 OF 20



N. ROBERTSON



LEGEND:

-  Sod
-  Mulch
-  Turf reinforcement or Concrete Path
-  Existing tree
-  Existing tree in decline
-  Tree or plant removal
-  New Live Oak tree

DRAFT

VILLERE

1400 BLOCK

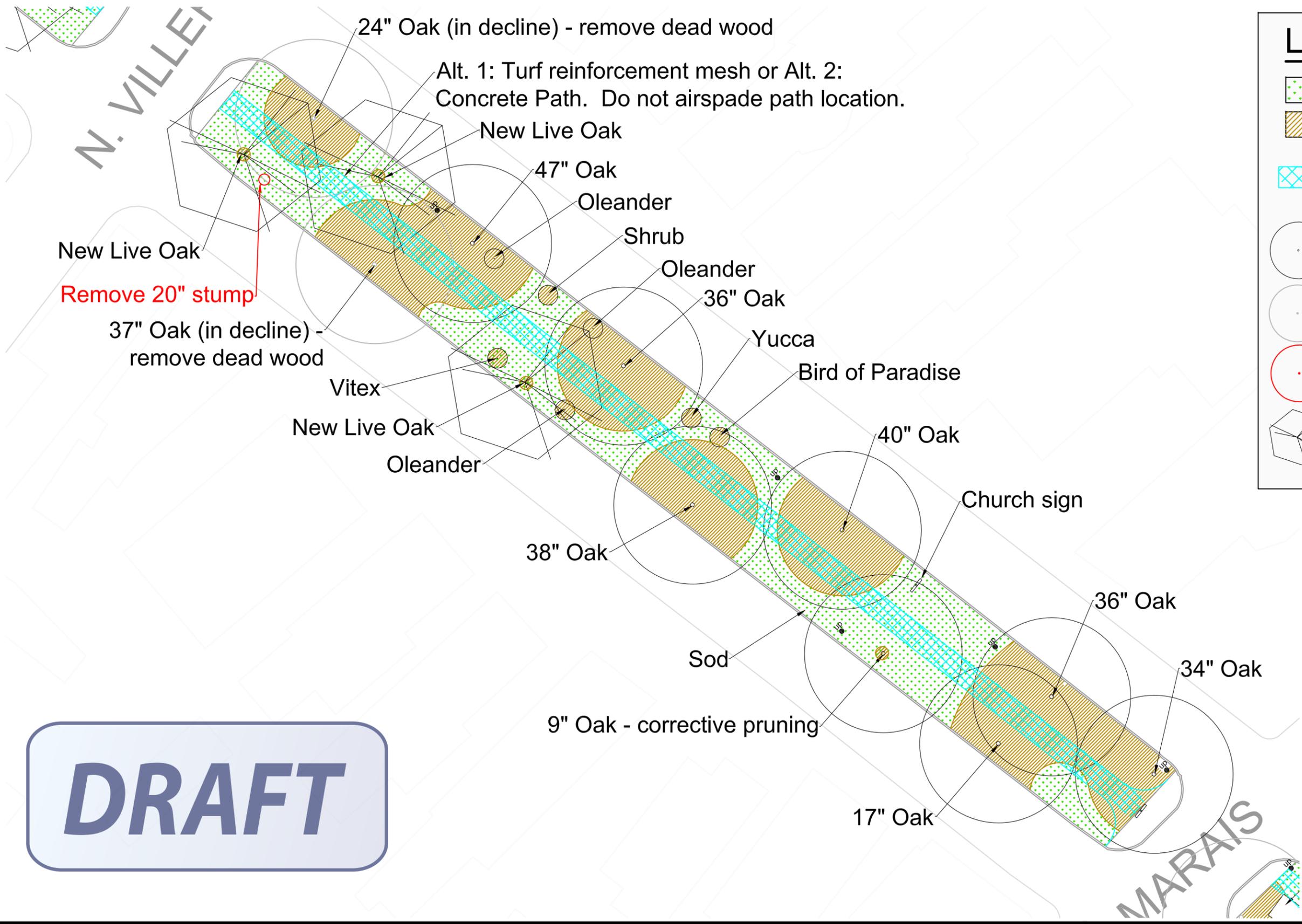


ESPLANADE AVENUE RESTORATION
 Miro Street to Rampart St.
 City of New Orleans Department of Parks & Parkways

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SHEET NO.
8
 OF 20



LEGEND:

-  Sod
-  Mulch
-  Turf reinforcement or Concrete Path
-  Existing tree
-  Existing tree in decline
-  Tree or plant removal
-  New Live Oak tree

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1300 BLOCK



ESPLANADE AVENUE RESTORATION
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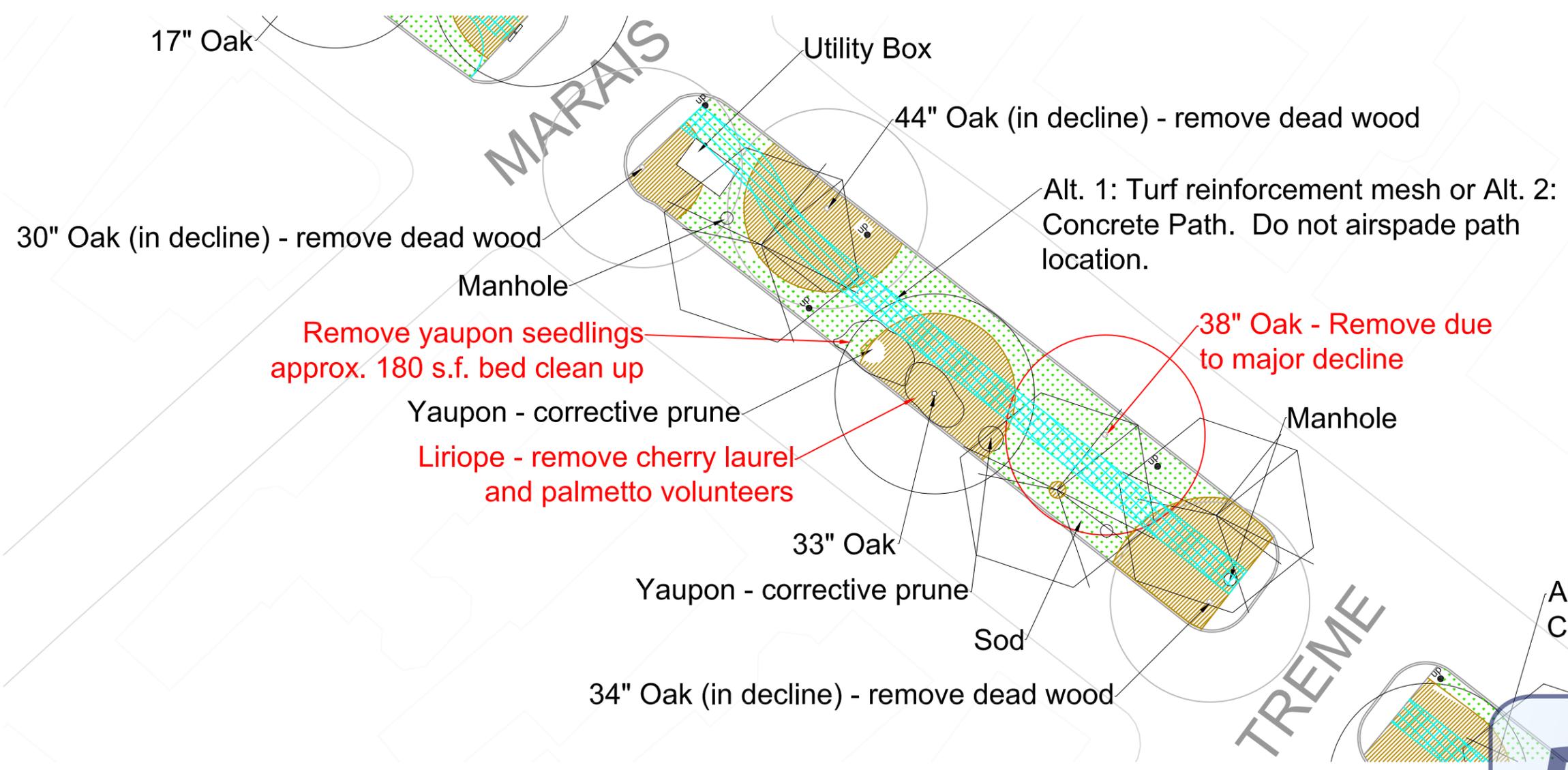
Drawn: Hailey Bowen, Chief Landscape Architect
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 Date: August 2013
 Scale: 1" = 30'



SHEET NO.
9
 OF 20

LEGEND:

-  Sod
-  Mulch
-  Turf reinforcement or Concrete Path
-  Existing tree
-  Existing tree in decline
-  Tree or plant removal
-  New Live Oak tree



DRAFT

1200 BLOCK

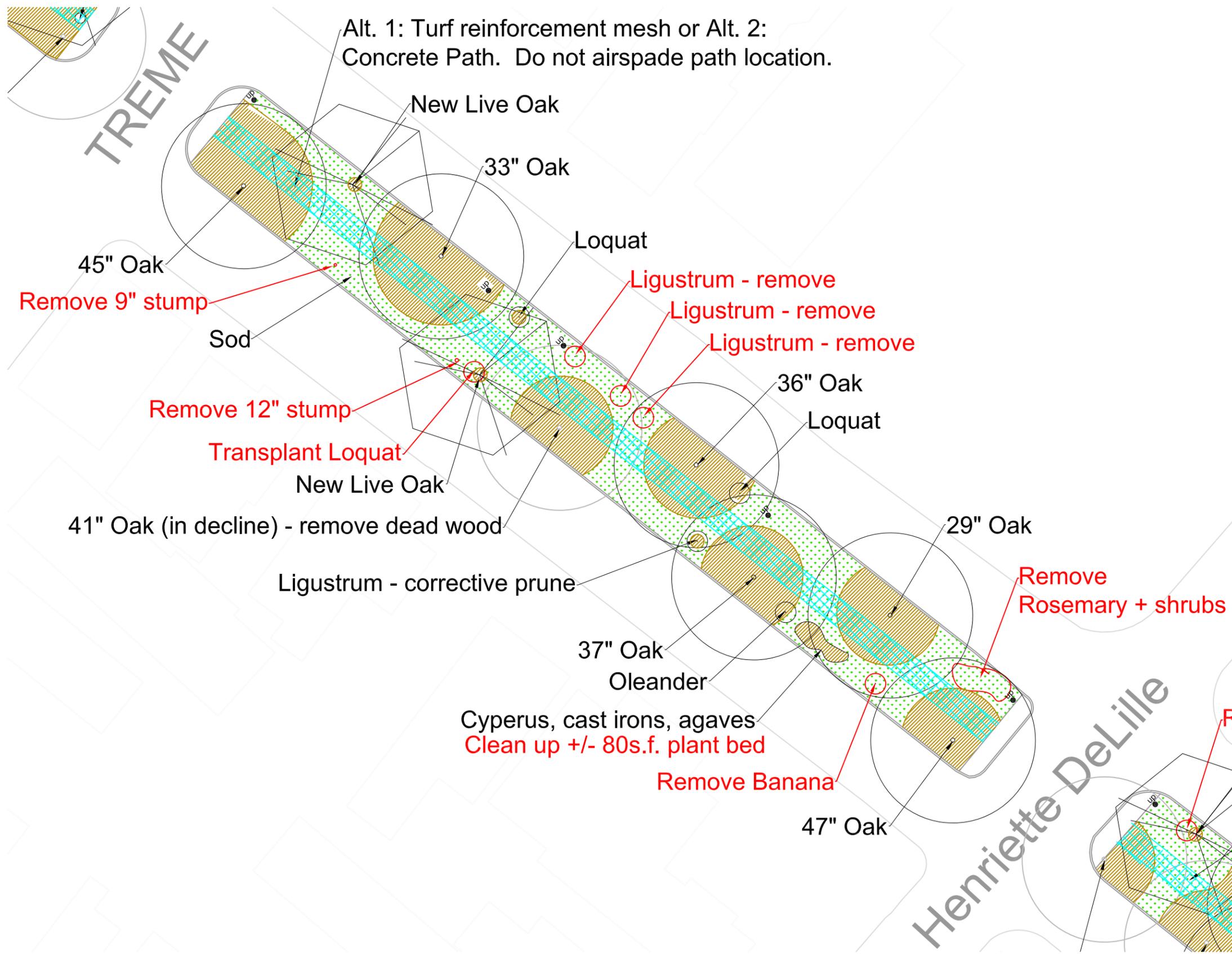


ESPLANADE AVENUE RESTORATION
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SHEET NO.
10
 OF 20



Alt. 1: Turf reinforcement mesh or Alt. 2:
Concrete Path. Do not airspade path location.

LEGEND:

-  Sod
-  Mulch
-  Turf reinforcement or Concrete Path
-  Existing tree
-  Existing tree in decline
-  Tree or plant removal
-  New Live Oak tree

DRAFT

1200 BLOCK



ESPLANADE AVENUE RESTORATION

Miro Street to Rampart St.
City of New Orleans Department of Parks & Parkways

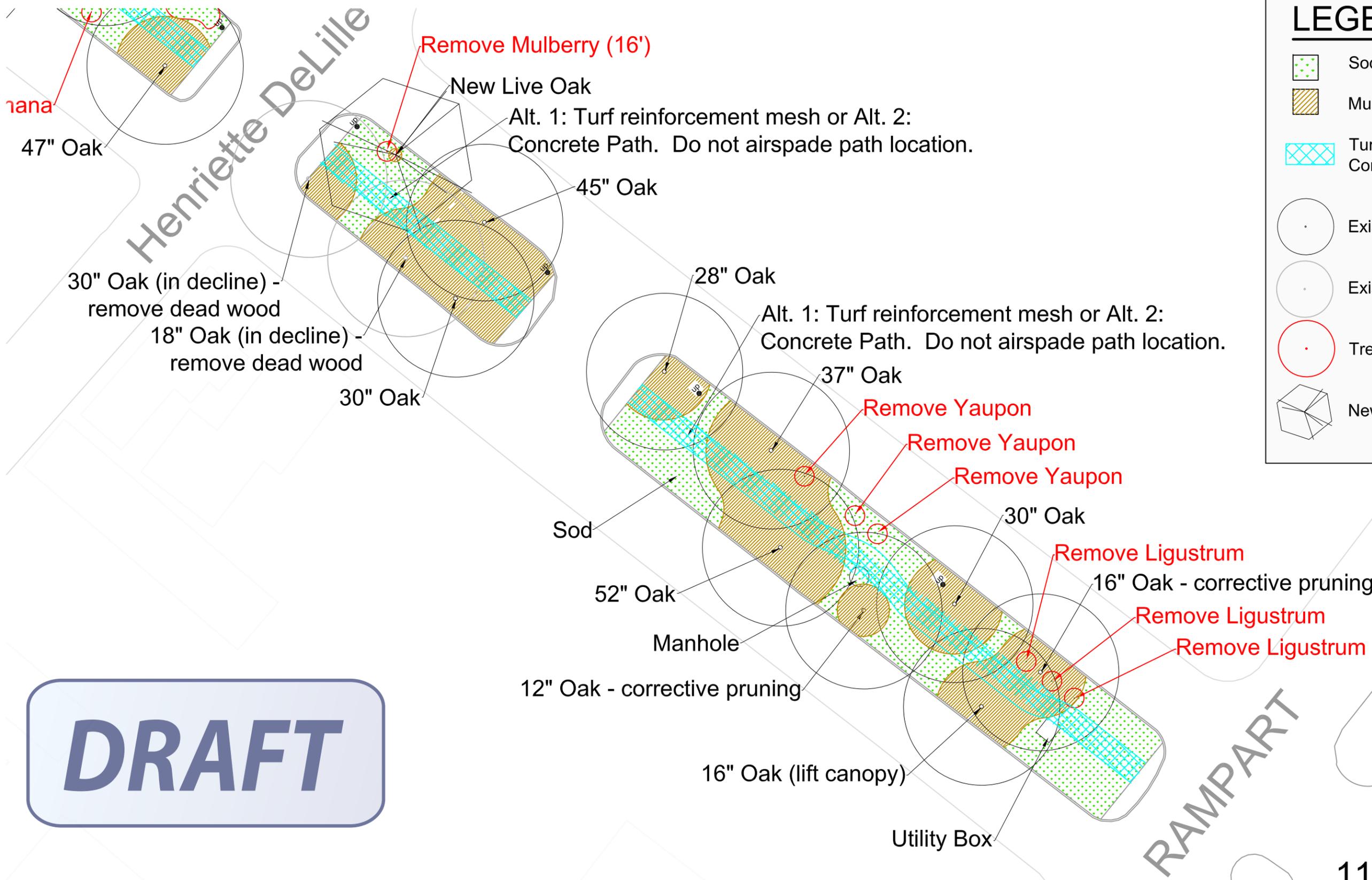
Drawn: Hailey Bowen, Chief Landscape Architect
Checked: Ann E. Macdonald, Director
Date: August 2013
Scale: 1" = 30'



SHEET NO.

11

OF 20



LEGEND:

-  Sod
-  Mulch
-  Turf reinforcement or Concrete Path
-  Existing tree
-  Existing tree in decline
-  Tree or plant removal
-  New Live Oak tree

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1100 BLOCK



ESPLANADE AVENUE RESTORATION
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 Scale: 1" = 30'

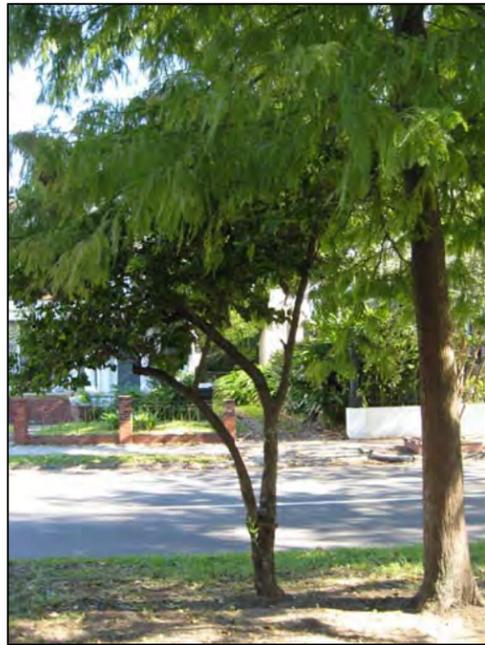


SHEET NO.
12
 OF 20

DRAFT



2100 Block:
Remove 16" Oak due to major decline



2000 Block:
Remove ligustrum



2000 Block:
Remove crape myrtle



2000 Block:
Remove crape myrtle



2000 Block:
Remove concrete debris (and at any other location containing debris)



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1900 Block:
Grind yaupon stump and roots



1800 Block:
Prune yuccas



1800 Block:
Remove 10" sycamore due to
structural defect



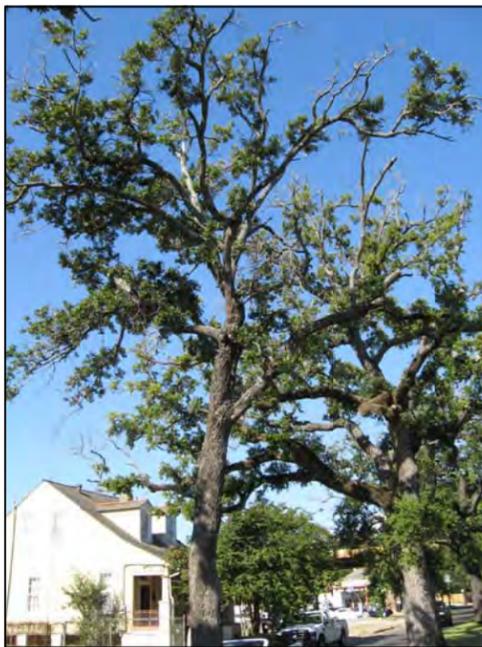
1800 Block:
Remove ligustrum



1800 Block:
Remove 30" live oak due to major decline



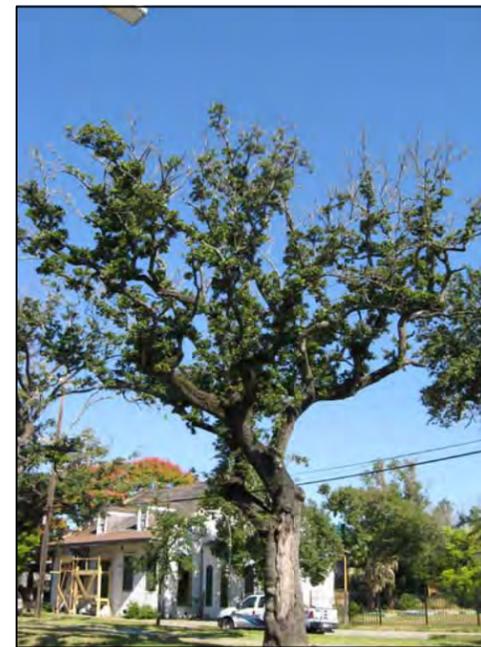
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1500 Block:
Remove 17" Oak

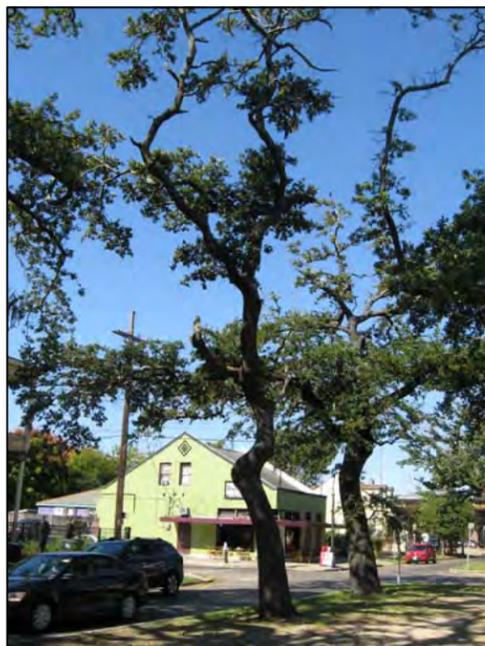


1500 Block:
Remove 25" Oak



1500 Block:
Remove 24" Oak

*All proposed removals are due to major decline



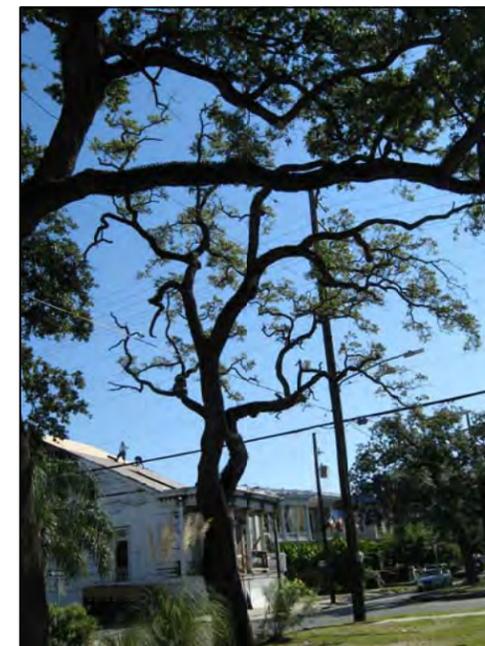
1400 Block:
Remove 19" Oak



1400 Block:
Remove 33" Oak



1400 Block:
Remove 42" Oak



1400 Block:
Remove 28" Oak



ESPLANADE AVENUE RESTORATION

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SHEET NO.
15
OF 20



1300 Block:
Transplant vitex



1200 Block:
Transplant loquat



1200 Block:
Remove 38" oak due to major decline



1100 Block:
Remove mulberry to make room for new live oak planting

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LEGEND

BASE BID			
PLANTING			
	27	Live Oak	4" 14'-16' ht., min. 8' spread, specimen quality only, straight trunk
	1	Loquat	transplant on site
	5	ginger plants	transplant on site
	1	miscanthus grass	transplant on site
	4773	sod	SY bermuda
REMOVALS			
	28	remove	under 15" Crape myrtles, yaupon hollies, mimosa, sycamore (includes removal of stump/rootball)
	3	remove	16"-21" live oaks (includes removal of stump/rootball)
	1	remove	22"-27" live oaks (includes removal of stump/rootball)
	3	remove	28"-33" live oaks (includes removal of stump/rootball)
	1	remove	34"-39" live oaks (includes removal of stump/rootball)
	1	remove	40"-45" live oaks (includes removal of stump/rootball)
	3	small stumps	10" - 18"
	2	medium stumps	19"-36"
	1	large stump	37"-54"
	3	volunteer seedling clump	treat with roundup one week prior to removal
	4	volunteer seedlings in oak root flare	treat with roundup one week prior to removal
	5	miscellaneous shrubs	30"
	1	banana	
	8	concrete stepping stones	
	5	concrete debris from oak root flare	
	1290 sf	bed cleanup	approximate square footage, treat plant material for removal with roundup or equivalent one week prior to removal
	entire site	general cleanup	remove exposed edging, clam shells, dead plant material, concrete spill, gravel and all other debris from the site
	1	granite slab	2'x4'
PRUNING			
	25	trim up to 15" DBH (corrective pruning)	ligustrum, yaupons, crape myrtles, orchid trees, oleander, yuccas, bald cypress (lift canopy), live oaks
	21	trim 16" - 21"	pruning to remove dead wood only
	59	trim 22" - 27"	pruning to remove dead wood only
	22	trim 28" - 33"	pruning to remove dead wood only
	15	trim 34" - 39"	pruning to remove dead wood only
	5	trim 40" - 45"	pruning to remove dead wood only
	2	trim 46" - 51"	pruning to remove dead wood only
	1	trim 52" +	pruning to remove dead wood only
TREATMENT			
	85321	airspading	sf airspade to decompact soil - do not airspade at "desire line" pedestrian path where grass protecta or sidewalk will be installed
	87	live oaks	ea fertilize 13-13-13
	42256	mulch	sf Pine straw mulching - 2' radius for trees under 7", 10' radius under 15", 15' radius under 30', 20' radius if over 31', 4" depth
	790	compost	cy compost to incorporate into soil with airspade
ALTERNATE 1: GRASSPROTECTA UNDER SOD ALONG MOST HEAVILY TRAVELED PATH AREA			
	13254	mulch rings under trees	sf Pine straw
	39	u pin bags	ea 50 per bag
	20	Heavy duty grass protecta roll	EA under grass portions of median center (where pedestrian desire line path currently exists)
ALTERNATE 2: PAVED SIDEWALK INSTEAD OF GRASS PROTECTA			
	21754	Concrete sidewalk	SF
ALTERNATE 3: ADA RAMPS			
	20	ADA ramps	EA shift existing ramps back to create corner connections, install ramps where there are none, to connect medians



NOTES:

- Tree fertilizer shall be complete 13-13-13 and shall occur in April or May. Fertilization shall be in compliance with "Soil Test Information Sheet No. H-850" by Dr. Allen Owings available through the LSU Agricultural Extension Service and ANSI A300 (Part 2), *Fertilization*.
 - Fertilization shall occur over the entire median, as tree roots are present far beyond the tips of the farthest branches.
 - Apply fertilizer at the rate of one pound of nitrogen per 1000 s.f. (the rate shall not exceed eight pounds of fertilizer per 1000 s.f. area).
 - Place fertilizer in drilled holes, 2" in diameter and 12" deep. Holes shall be 2-3' apart in concentric rings around the tree. Fertilizer is not necessary near the trunk. Divide the fertilizer to be applied evenly between the holes and water in.
 - Fertilization shall be completed by a Louisiana Licensed Arborist.
- Compost shall be in compliance with Department of Environmental Quality *Environmental Regulatory Code*, Title 33, "Environmental Quality", Part VII. Solid Waste, Chapter 7. "Solid Waste Standards", Subchapter C., Section 723. *Standards Governing Composting Facilities*.
 - Compost shall be Class SI, Class M1 or Class YW; and shall include double grind #2 screened composted hardwood garden mulch.
 - Compost shall be accompanied with a label or leaflet that indicates, at a minimum, the type of waste from which the compost was derived, any restriction on the use of the product and recommended application rates.
- Tree pruning is intended to remove dead wood only on the large live oaks unless otherwise noted on the plan. Tree pruning for smaller trees is intended to shape and lift the canopy where appropriate and to develop proper branching form.
 - Tree pruning shall be in compliance with ANSI A300 *Tree, Shrub, and Other Woody Plant Maintenance - Standard Practices (Pruning)*.
 - Tree pruning shall be completed by a Louisiana licensed Arborist.
- All tree pruning, air spading and fertilization work shall be completed in consultation with the Department of Parks and Parkways Chief Urban Forester, Robert Richards (504-658-3207). All work shall additionally be in consultation with Hailey Bowen, Chief Landscape Architect (504-658-3204).
- Additional requirements are included in Department of Parks and Parkways Section 02480, *Installation of Plant Materials*; Section 02485, *Seeding and Sodding*; and Section 02481, *Landscape Protection During Construction*.



ESPLANADE AVENUE RESTORATION
Miro Street to Rampart St.
City of New Orleans Department of Parks & Parkways

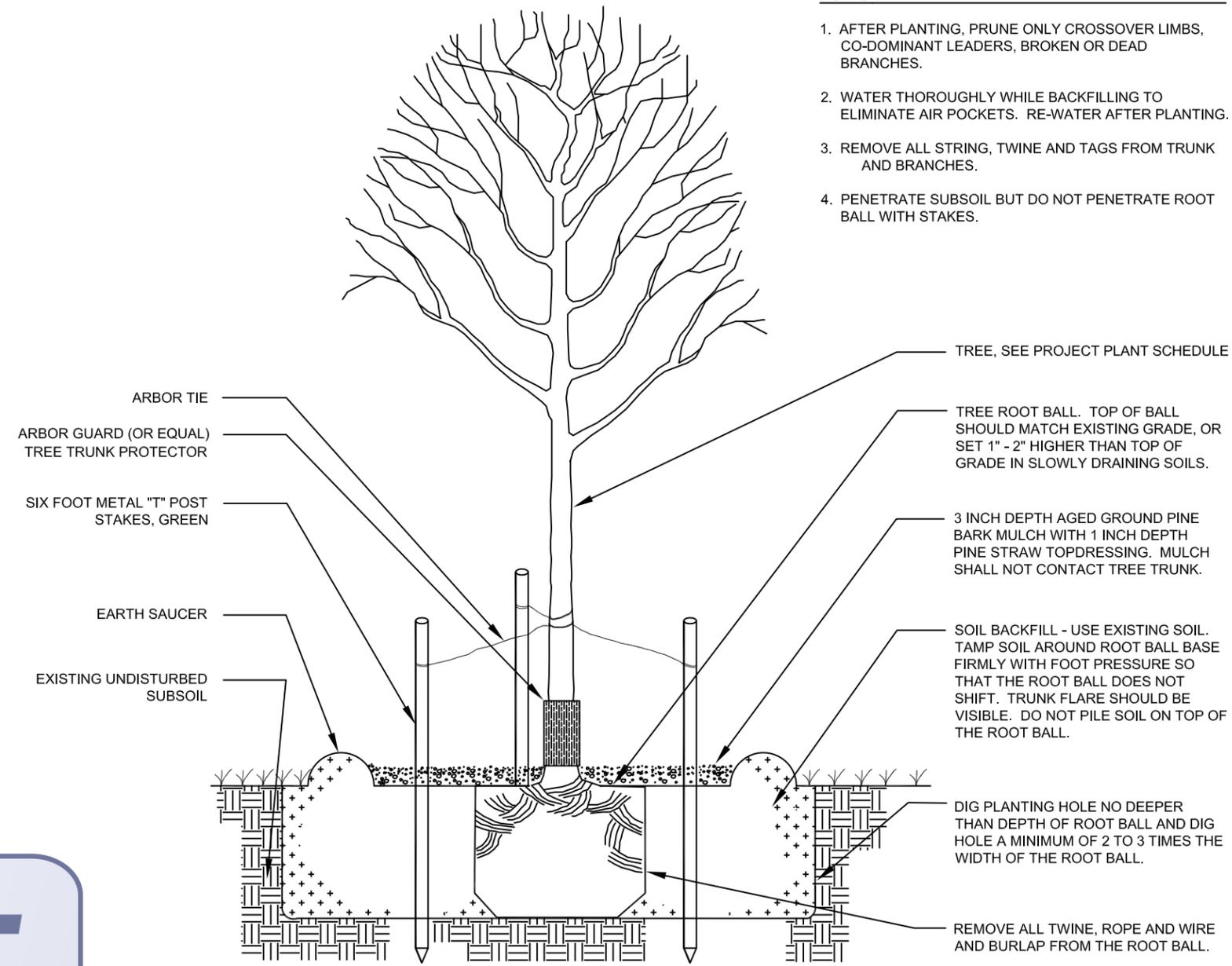
Drawn: Hailey Bowen, Chief Landscape Architect
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Date: August 2013
Scale: 1" = 30'



SHEET NO.
17
OF 20

NOTES:

1. AFTER PLANTING, PRUNE ONLY CROSSOVER LIMBS, CO-DOMINANT LEADERS, BROKEN OR DEAD BRANCHES.
2. WATER THOROUGHLY WHILE BACKFILLING TO ELIMINATE AIR POCKETS. RE-WATER AFTER PLANTING.
3. REMOVE ALL STRING, TWINE AND TAGS FROM TRUNK AND BRANCHES.
4. PENETRATE SUBSOIL BUT DO NOT PENETRATE ROOT BALL WITH STAKES.



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TREE PLANTING DETAIL

N. T. S.

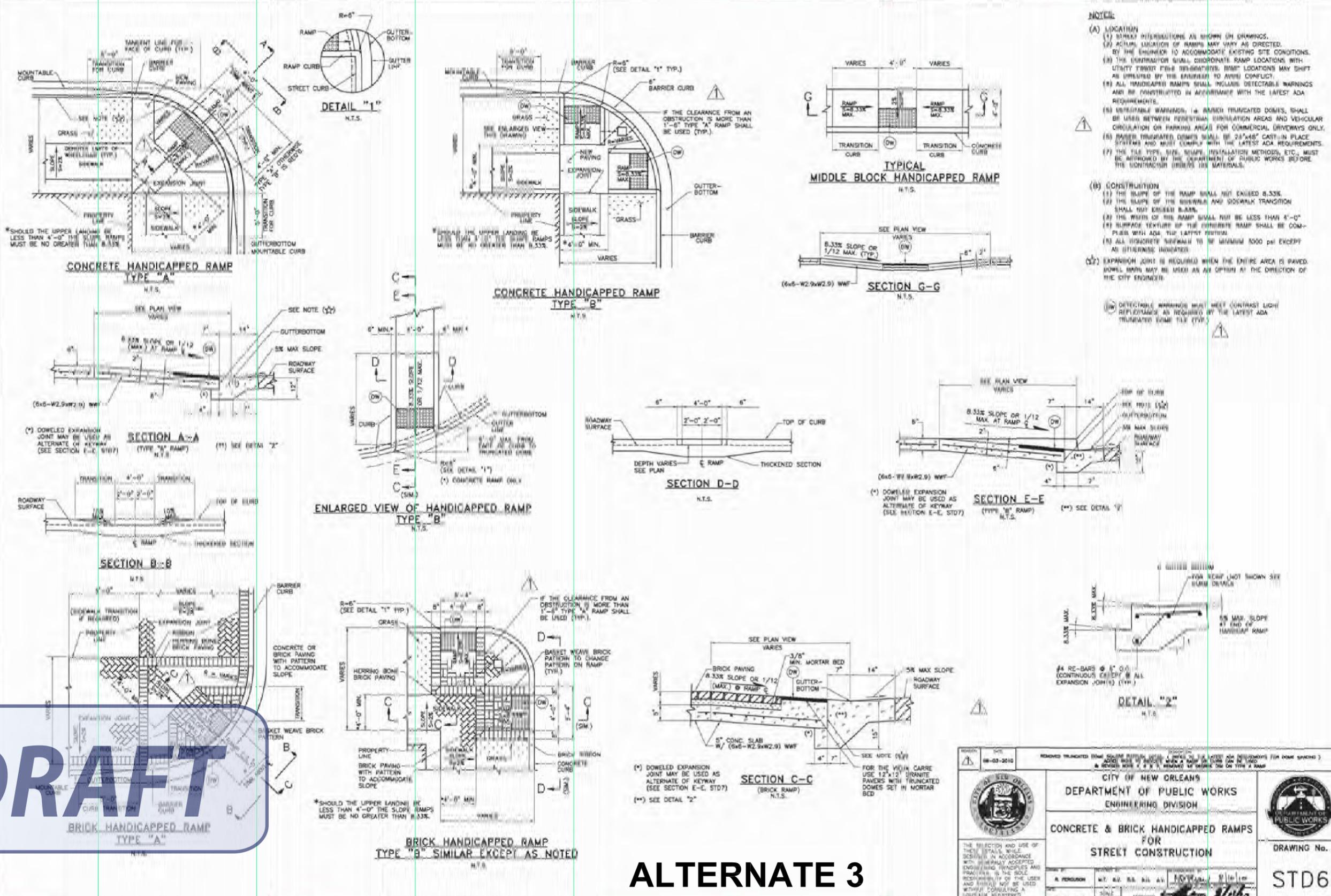


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SHEET NO.
18
 OF 20



- NOTICE:**
- (A) **LOCATION**
- (1) RAMP LOCATIONS AS SHOWN ON DRAWINGS.
 - (2) ACTUAL LOCATION OF RAMPS MAY VARY AS DIRECTED BY THE ENGINEER TO ACCOMMODATE EXISTING SITE CONDITIONS.
 - (3) THE CONTRACTOR SHALL COORDINATE RAMP LOCATIONS WITH UTILITY TRENCH FILE INVESTIGATIONS. RAMP LOCATIONS MAY SHIFT AS DETERMINED BY THE ENGINEER TO AVOID CONFLICT.
 - (4) ALL HANDICAPPED RAMPS SHALL INCLUDE DETECTABLE WARNINGS AND BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST ADA REQUIREMENTS.
 - (5) DETECTABLE WARNINGS, i.e. RAISED TRUNCATED DOMES, SHALL BE USED BETWEEN PEDESTRIAN CIRCULATION AREAS AND VEHICULAR CIRCULATION OR PARKING AREAS FOR COMMERCIAL DRIVEWAYS ONLY.
 - (6) RAISED TRUNCATED DOMES SHALL BE 2" x 2" CAST-IN PLACE GRANITE AND MUST COMPLY WITH THE LATEST ADA REQUIREMENTS.
 - (7) THE FILE TYPE, SIZE, SHAPE, INSTALLATION METHODS, ETC., MUST BE APPROVED BY THE DEPARTMENT OF PUBLIC WORKS BEFORE THE CONTRACTOR ORDERS THE MATERIALS.
- (B) **CONSTRUCTION**
- (1) THE SLOPE OF THE RAMP SHALL NOT EXCEED 8.33%.
 - (2) THE SLOPE OF THE SIDEWALK AND SIDEWALK TRANSITION SHALL NOT EXCEED 5.00%.
 - (3) THE WIDTH OF THE RAMP SHALL NOT BE LESS THAN 4'-0".
 - (4) SURFACE TEXTURE OF THE CONCRETE RAMP SHALL BE COMPLIANT WITH ADA TYP. 107.02.
 - (5) ALL CONCRETE SIDEWALK TO BE MINIMUM 3000 PSI EXCEPT AS OTHERWISE INDICATED.
 - (6) EXPANSION JOINTS ARE REQUIRED WHEN THE ENTIRE AREA IS PAVED. DOWEL BARS MAY BE USED AS AN OPTION AT THE DISCRETION OF THE CITY ENGINEER.
 - (7) DETECTABLE WARNINGS MUST MEET CONTRAST LIGHT REFLECTANCE AS REQUIRED BY THE LATEST ADA TRUNCATED DOME TILE (TYP.).

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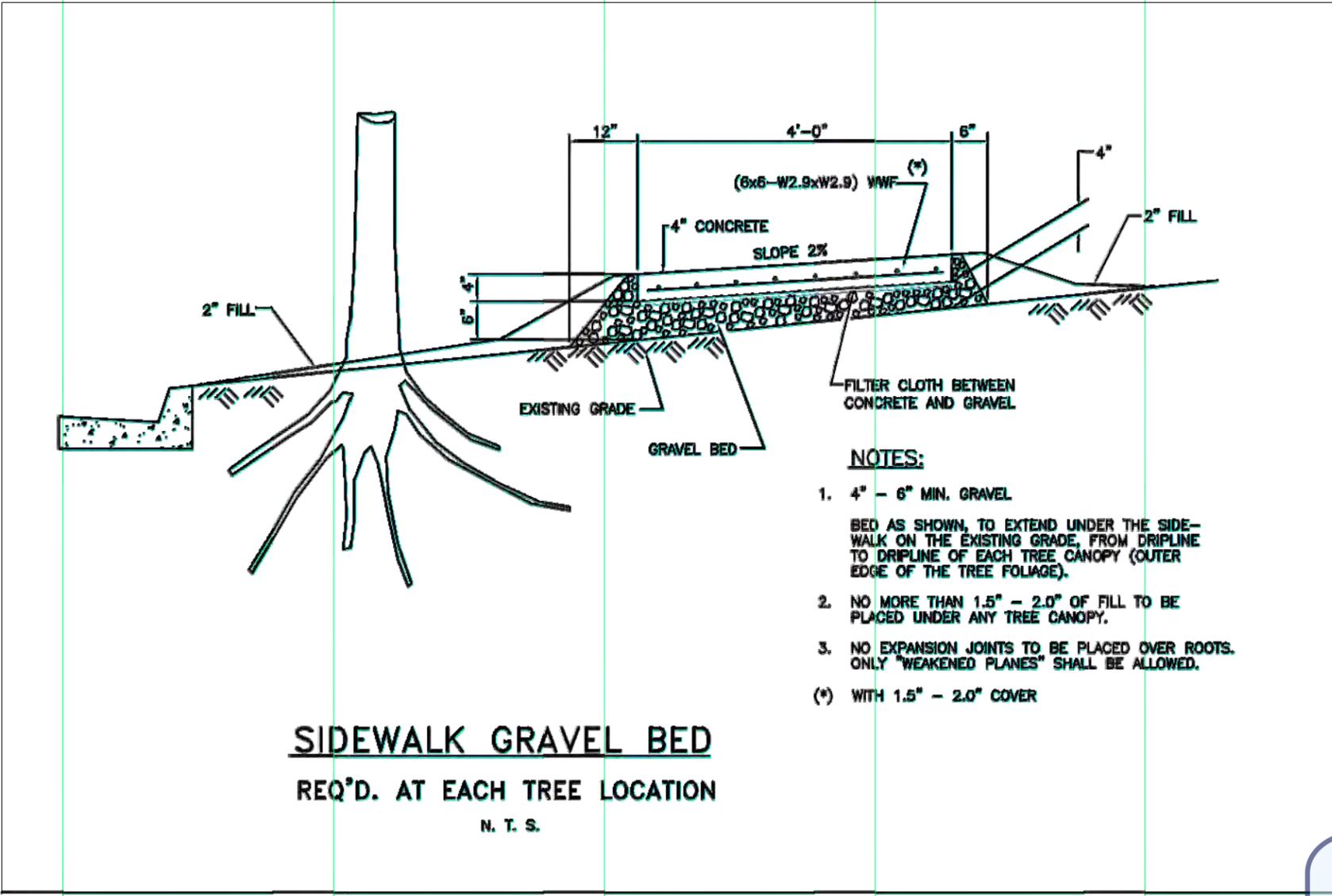
ALTERNATE 3

	CITY OF NEW ORLEANS DEPARTMENT OF PUBLIC WORKS ENGINEERING DIVISION	
	CONCRETE & BRICK HANDICAPPED RAMPS FOR STREET CONSTRUCTION	
DRAWING No. STD6	DATE: 08-03-2013 REVISIONS: (1) REVISED TRUNCATED DOME TILE SPECIFICATIONS FOR DOME SIZES (2) REVISED TRUNCATED DOME TILE SPECIFICATIONS FOR DOME SIZES (3) REVISED TRUNCATED DOME TILE SPECIFICATIONS FOR DOME SIZES	DRAWING No. STD6



ESPLANADE AVENUE RESTORATION
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SIDEWALK GRAVEL BED
REQ'D. AT EACH TREE LOCATION
 N. T. S.

DETAIL: ALTERNATE 2

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