



REMOVE EXISTING 26" STUMP  
THE CONTRACTOR SHALL TAKE SPECIAL CARE TO PROTECT AND PRESERVE THE EXIST. TREE DURING THE CONST. OPERATIONS.

- 1) CONSTRUCT ENLARGED TREE PROTECTION FENCE FOR GROVE AS INDICATED
- 2) APPLY 6" BURLAP AND 6" TEMPORARY WOODCHIPS ON ALL EXPOSED ROOTS AND ZONE INDICATED AFTER WALL AND PAVING REMOVAL AND UNTIL THE ADDITION OF NEW TOPSOIL. IF BACKFILLING OF TOPSOIL DOES NOT OCCUR WITHIN 48 HOURS INSTALL TEMPORARY STRAW BALES TO MINIMIZE EROSION AT EDGES WHERE WALL WAS REMOVED.
- 3) WATER THE ROOT ZONE AND ALL EXPOSED ROOTS AS PER SPECIFICATION OR ADDITIONALLY AS DIRECTED BY THE RESIDENT ENGINEER OR MANHATTAN FORESTRY.
- 4) ABSOLUTELY NO LIMBS OR ROOTS SHALL BE CUT WITHOUT WRITTEN APPROVAL FROM NYCPRK

THE CONTRACTOR SHALL TAKE SPECIAL CARE TO PROTECT AND PRESERVE THIS SIZEMORE DURING THE REMOVAL OF THE ADJACENT TREE. TREE SHALL BE FELLED AWAY FROM THE EXISTING TREE.

NO PRUNING OTHER THAN THE REMOVAL OF DEAD WOOD. MAINTAIN VEHICULAR ACCESS

**STAGING AND TREE PROTECTION NOTES:**

1. CONTRACTOR MUST SUBMIT A PROJECT SCHEDULE PRIOR TO COMMENCEMENT OF WORK. PROVIDE FOR PEDESTRIAN ACCESS APPROVED BY NYCPRK AND NYCDOT PERMIT. SUBMIT PLANS TO NYCDOT FOR PERMITTING OF STAGING AREAS OUTSIDE THE PARK AND ANY TEMPORARY SIDEWALK CLOSINGS.
2. AS PER SECTION C, ARTICLE 14 CONTRACTOR SHALL FORMULATE IN CONSULTATION WITH THE RESIDENT ENGINEER A TREE PROTECTION PLAN. THIS PLAN SHALL INCLUDE THE PHASING OF ALL TREE RELATED WORK TO MINIMIZE CONFLICTS WITH REMOVALS AND RELATED SITE WORK.
3. MAINTAIN ACCESS TO PARK ENTRANCES AS INDICATED AT ALL POSSIBLE TIMES. NOTIFY RESIDENT ENGINEER 48 HOURS IN ADVANCE OF ANTICIPATED TEMPORARY CLOSINGS DUE TO CONSTRUCTION.
4. PROVIDE ADEQUATE SIGNAGE TO PEDESTRIANS INDICATING ALTERNATIVE ROUTES IF SIDEWALK OR PARK PATHS ARE CLOSED. DO NOT LEAVE PARK ENTRANCES OBSTRUCTED OVER WEEKENDS AND HOLIDAYS.
5. CONTRACTOR IS TO HAVE PRECISE BOUNDARY OF STAGING AREAS WITHIN THE CONTRACT LIMIT LINE APPROVED BY THE RESIDENT ENGINEER PRIOR TO CONSTRUCTION. OBTAIN PERMIT FROM NYCDOT FOR ALL STAGING AREAS AND WORK WITHIN THE STREET BED OR IN PARKING LINES.
6. NO STAGING OF MATERIALS, DEBRIS OR FILL AND NO MOVEMENT OR PARKING OF EQUIPMENT ON THE LAWN AREAS OR ADJACENT TO THE WASHINGTON SQUARE ARCH. EXTREME CAUTION SHALL BE TAKEN TO NOT DISTURB EXISTING TREE ROOTS FROM COMPACTION AND CONTAMINATION OR TO CAUSE DAMAGE THE ARCH.
7. ADDITIONAL HAND OR PNEUMATIC EXCAVATION WITHIN THE DRIPLINE OF ALL EXISTING TREES MAY BE REQUIRED AS DIRECTED BY THE RESIDENT ENGINEER BASED ON SUB-SURFACE ROOT, UTILITY OR OTHER UNOBSERVED CONDITIONS. MICROTUNNEL FOR UTILITIES UNDER SIGNIFICANT TREE ROOTS AS DIRECTED BY THE RESIDENT ENGINEER.

8. APPLY 6" PROTECTIVE WOODCHIP LAYER AS PER SPECIFICATIONS IN TREE ROOT ZONES AS INDICATED ON SCALED PLAN IF REPLACEMENT OF PAVING OR TOPSOIL DOES NOT OCCUR WITHIN 48 HOURS OF REMOVAL, OR AS DIRECTED BY RESIDENT ENGINEER.
9. CARE SHALL BE TAKEN WHEN EXCAVATING NEAR ALL EXISTING SURFACE AND SUB-SURFACE UTILITIES WHICH CROSS AND LIE UNDER THE SITE. CONSULT EXISTING CONDITIONS PLANS PRIOR TO EXCAVATION. ALL DAMAGE TO EXISTING UTILITIES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, AT NOT COST OR LIABILITY TO THE CITY OF NEW YORK.
10. ALL EXISTING TREES WITHIN THE CONTRACT LIMIT LINE SHALL BE PRUNED AS PER SPECIFICATIONS UNDER THE DIRECTION OF A CERTIFIED ARBORIST IN THE PRESENCE OF THE MANHATTAN BOROUGH FORESTER.
11. NO TREE REMOVALS SHALL TAKE PLACE WITHOUT THE PRESENCE OF A CERTIFIED ARBORIST AND THE MANHATTAN BOROUGH FORESTER.
12. TRANSPLANT ALL TREES INDICATED FOR TRANSPLANTING PRIOR TO THE COMMENCEMENT OF REMOVING PAVEMENT AND STAGING OF MATERIALS. PROTECT IN PLACE ALL HERBACEOUS PLANTS AND SHRUBS FOR TRANSPLANTING BY NYC PARKS FOLLOWING PREPARATION OF NEW PLANTING BEDS.
13. REFER TO ARTICLE 14 OF SECTION C OF THE CONTRACT FOR FURTHER TREE PROTECTION REQUIREMENTS. THIS ARTICLE SHALL BE STRICTLY ENFORCED. ALL PROVISIONS OF ARTICLE 14 SHALL BE PERFORMED AT NO ADDITIONAL COST TO THE CITY. THE COST FOR THESE REQUIREMENTS SHALL BE PREPARED INCLUDED IN THE PRICE BID FOR THE APPROPRIATE EXCAVATION ITEM.

**TREE PROTECTION AND REMOVALS SCHEDULE**

No.	ITEM	LIMIT	QTY.
1.	TEMPORARY WOODEN TREE GUARD	EA.	87
2.	TEMPORARY WOODEN TREE GUARD FOR GROVES	EA.	2
3.	PROTECT EXISTING TREE ROOTS W/ WOOD CHIPS 6" DEPTH	SF	1900
4.	HAND AND/OR PNEUMATIC EXCAV.	CY	95
5.	TREE REMOVAL - 18" DBH	EA.	32
6.	STUMP REMOVAL	EA.	2
7.	PREPARE TREE PRUNING	EA.	80
8.	TREE TRANSPLANT 18" TO 10" CAL.	EA.	19
9.	TEMPORARY STAKE AND BALE	LF	45
10.	TEMPORARY STAKE AND BALE	LF	500
11.	MICRO TUNNELING	LF	200
12.	PROTECT EXIST. ROOTS W/ PLWD	SF	320
13.	DECOMPACT TREE - 20" DBH	EA.	50

HAND EXCAVATION WITHIN THE DRIPLINE INDICATED. APPLY 6" WOODCHIPS AND BURLAP IMMEDIATELY FOLLOWING REMOVAL OF PAVEMENT. BACK FILL WITH TOPSOIL WITHIN 48 HOURS OF REMOVAL. IF BACK FILLING DOES NOT OCCUR WITHIN 48 HOURS ROOT ZONE BURLAP AND MULCH LAYER SHALL BE MAINTAINED AND WATERED ON A REGULAR BASIS AS PER SECTION C, ARTICLE 14 OF THE CONTRACT. SURROUND ROOT ZONE WITH SNOW FENCE OR INSTALL PLYWOOD ON TOP OF MULCH LAYER IF CONSTRUCTION TRAFFIC IMPACTS ROOT ZONE AS DIRECTED BY THE RESIDENT ENGINEER.

- LEGEND:**
- CONTRACT LIMIT LINE
  - CONSTRUCTION SIGN (2)
  - TEMPORARY CONSTRUCTION FENCING-CHAIN LINK
  - TEMPORARY CONSTRUCTION FENCING-SNOW
  - CONSTRUCTION STAGING AREA
  - VEHICULAR ACCESS FOR CONSTRUCTION
  - MAINTAIN PEDESTRIAN ACCESS
  - 18" EXISTING TREE WITH SIZE
  - 18" EXISTING STUMP WITH SIZE TO BE REMOVED
  - TEMPORARY MULCH ZONE (6") FOR ROOT PROTECTION - SEE SPECIFICATION
  - HAND OR PNEUMATIC EXCAVATION
  - REMOVE EXISTING TREE
  - TRANSPLANT EXISTING TREE - SEE PLANTING PLAN
  - TEMPORARY WOODEN TREE GUARD WITH TREE BAP
  - DECOMPACT DECOMPACT TREE OVER 6" TO 12" DBH

- SYMBOLS AND ABBREVIATIONS**
- PARKS PLAQUE
  - ROSETTE
  - FLAG POLE
  - TRAFFIC SIGN
  - BOLLARD
  - PLANTERS
  - GAMING TABLE W/ BENCHES
  - BENCH
  - DIRT CURB
  - ELECTRIC MANHOLE
  - ELECTRIC BOX
  - PARK LIGHT
  - STREET LIGHT
  - PEDESTRIAN LIGHT
  - SPOT LIGHT
  - T.S.B. TRAFFIC SIGNAL BOX
  - CATCH BASIN
  - YARD DRAIN
  - ROUND DRAIN
  - DRAINAGE MANHOLE
  - WATER VALVE
  - WATER MANHOLE
  - QUICK COUPLER
  - FIRE HYDRANT
  - GROUND HYDRANT
  - DRINKING FOUNTAIN
  - SEWER MANHOLE
  - GAS VALVE
  - TELEPHONE BOOTH
  - TELEPHONE MANHOLE
  - STEAM MANHOLE
  - MANHOLE (UNDRIVEN UTILITY)
  - TREE STUMP W/ DIAMETER
  - TREE W/ DIAMETER
  - P.A.P. PIPE RAIL FENCE
  - RET. WALL PIPE RAIL FENCE
  - CS. COBBLESTONE
  - BR. BRICK
  - T.S.B. TRAFFIC SIGNAL BOX
  - C.L.F. CHAIN LINK FENCE
  - FF. FINISHED FLOOR

**NOTES**

- ALL INTERIOR PARK PATHS ARE "ASPHALT PAVED WALK" UNLESS OTHERWISE STATED
- ALL TREE PITS ARE FILLED WITH GRY AND ARE DRAINED TO THE STREET
- THIS PLAN IS REFERENCED TO THE MANHATTAN BOROUGH PRESENTS DATUM.
- THE LOCATION OF UNDERGROUND UTILITIES AS SHOWN HEREON ARE BASED ON DATA PROVIDED BY THE CITY OF NEW YORK. THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES AND SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES UNDER SIGNIFICANT TREE ROOTS AS DIRECTED BY THE RESIDENT ENGINEER.

**City of New York Parks & Recreation**  
 Olmsted Center  
 Flushing Meadows Corona Park  
 Flushing, New York 11368

PROJECT TITLE: THE RECONSTRUCTION OF THE FOUNTAIN, PLAZA AND NORTH WEST QUADRANT IN WASHINGTON SQUARE PARK, LOCATED BETWEEN WASHINGTON SQUARE, WEST 4TH STREET, UNIVERSITY PLACE AND MACDOUGAL

DRAWING TITLE: STAGING AND TREE PROTECTION PLAN

DESIGNED BY: GEORGE YELLONAKIS  
 REVIEWED TEAM LEADER: MONA POLAK, B.A.  
 APPROVED-DEP. CHIEF OF DIVISION: CHARLES MCCORMY  
 DATE: FEBRUARY 2006

DRAWN BY: GEORGE YELLONAKIS  
 APPROVED-DIRECTOR: DWIGHT CARLSOHL, B.A.  
 APPROVED-CHIEF ENGINEER: JOHN MACALE, P.E.  
 SCALE: 1" = 20'-0"

CHECKED BY: GEORGE YELLONAKIS  
 FORESTER:  
 CONTRACT NO: M098-105M  
 SHEET NO. 4 OF 68 SHEETS