

Gateway to the Arborway Landscape Treatment Plans

Boston, Massachusetts

July 2008

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Prepared For:



Massachusetts Department of
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TREATMENT PLANS

NOTE: ALL TREATMENT PLANS ARE SUBJECT TO FINAL REVIEW AND DESIGN BY DCR ENGINEERS

MULTI-USE PATH

FOLLOWING REPAIR OF SETTLEMENT AREAS ALONG THE ARNOLD ARBORETUM STONE WALL, THE EXISTING CONCRETE SIDEWALK (APPROXIMATELY 11’ TO 12’ WIDE) ON THE SOUTH SIDE OF THE ARBORWAY FROM MURRAY CIRCLE TO THE FOREST HILLS ENTRY GATE OF THE ARBORETUM SHALL BE REMOVED AND REPLACED WITH A BITUMINOUS CONCRETE MULTI-USE PATH. NEW PATH SHALL BE 12’ WIDE AT MURRAY CIRCLE AND 13’ WIDE ALONG THE ARBORETUM WALL. CROSSWALK LINE STRIPING WILL BE REQUIRED AT THE MAIN ARBORETUM ENTRANCE. 18”-DEEP TREE ROOT BARRIERS ALONG THE NEW PATH WILL PREVENT TREE ROOTS FROM DISTURBING THE PATH SURFACE.

CROSSWALK FENCE

THE EXISTING CHAIN LINK FENCE IN THE MEDIAN BETWEEN THE ARBORWAY AND THE UPPER ARBORWAY SHALL BE REMOVED. IN ITS PLACE, A NEW 4’ HIGH BLACK STEEL PICKET FENCE SHALL BE INSTALLED IN THE MEDIAN FROM CENTRE STREET TO THE EXISTING CROSSWALK (APPROX. 615’ LONG) AND THEN CONTINUING APPROXIMATELY 890’ TO THE BASE OF THE "ARBORWAY HILLSIDE". THE NEW FENCE SHALL TYPICALLY BE OFFSET 3’ FROM THE BACK OF THE UPPER ARBORWAY CURB WITH THE FENCE LAYOUT ADJUSTED AT THE ARBORWAY HILLSIDE TO ACCOMODATE THE PLANNED HILLSIDE WALKWAY (SEE BELOW). IN ADDITION, LOW SHRUBS AND STREET TREES SHALL BE PLANTED ALONG THE ARBORWAY SIDE OF THE FENCE.

STREET TREES

NEW STREET TREES (RED OAKS) SHALL BE PLANTED IN AREAS WHERE TREES ARE MISSING. THE TYPICAL TREE SPACING IS 40’. IN ADDITION, WHERE EXISTING OAKS ARE IN POOR CONDITION OR STRUCTURE, THESE TREES SHALL BE REMOVED COMPLETE AND REPLACED WITH NEW TREES. SOIL WITHIN THE TREE PLANTING STRIPS SHALL BE DECOMPACTED, AERATED AND RESEEDDED. EXISTING TREES TO REMAIN SHALL BE PRUNED AS NEEDED AND FERTILIZED.

HILLSIDE WALKWAY

ALONG THE BASE OF THE ARBORWAY HILLSIDE, INSTALL A NEW 5’ WIDE BITUMINOUS CONCRETE WALKWAY FROM THE END OF THE EXISTING CASEY OVERPASS SIDEWALK TO A NEW RAISED CROSSWALK ON THE UPPER ARBORWAY. TO ALLOW FOR A LANDSCAPE SEPARATION BETWEEN THE WALKWAY AND THE ARBORWAY, THE EXISTING CURBLINE SHALL BE MOVED OUT 5’ THUS OVERTAKING THE EXISTING NARROW BREAKDOWN LANE. CATCHBASINS SHALL BE ADJUSTED ACCORDINGLY. GRADING INTO SOME STEEP SECTIONS OF THE HILLSIDE WILL BE NEEDED TO CONSTRUCT THE WALKWAY. THE MAXIMUM CUT SLOPE SHALL BE 2:1 AND REVEGETATED WITH SHRUBS AND A GRASS SEED MIX FORMULATED FOR STABILIZING SLOPES. SEVERAL EXISTING TREES MAY REQUIRE REMOVAL DUE TO GRADING, BUT A CERTIFIED ARBORIST SHALL BE PRESENT DURING CONSTRUCTION TO VERIFY WHETHER TREES CAN BE SAVED OR IF REMOVAL IS VALIDATED. SEVERAL NEW TREES SHALL ALSO BE PLANTED. THE RAISED CROSSWALK SHALL CONNECT THE NEW WALKWAY TO THE EXISTING SIDEWALK ALONG THE NORTH SIDE OF THE UPPER ARBORWAY. DCR ENGINEERS SHALL VERIFY FINAL LOCATION AND DESIGN OF SAID RAISED CROSSWALK.

DCR SIGNS

FIVE NEW STANDARD DCR SIGNS, TWO VEHICULAR GATEWAY AND THREE PEDESTRIAN CANTILEVER (ALL "URBAN" STEEL POSTS) SHALL BE INSTALLED ALONG THE SECTION OF THE ARBORWAY BETWEEN MURRAY CIRCLE AND THE CASEY OVERPASS. SIGNS SHALL CONFORM TO ALL CURRENT DCR STANDARDS AND DETAILS AT THE TIME OF CONSTRUCTION. SHRUB PLANTINGS SHALL BE INSTALLED AT THE BASES OF THE TWO VEHICULAR SIGNS.

GENERAL NOTES:

1. EXISTING CONDITIONS WERE OBTAINED FROM GENERAL CITY OF BOSTON STREETS CAD PLAN AND DATA LAYERS FROM MASS GIS. EXISTING CONDITIONS ON THESE PLANS SHALL IN NO WAY BE CONSIDERED DIMENSIONALLY OR MATERIALLY ACCURATE. PRESSLEY ASSOCIATES IS NOT RESPONSIBLE FOR THE ACCURACY OF ANY OF THE EXISTING CONDITIONS SHOWN ON THESE PLANS. MINIMAL EXISTING UTILITY INFORMATION IS SHOWN ON PLAN (SEE NOTE 2 BELOW). DO NOT SCALE OFF OF DRAWINGS. FOR THE HILLSIDE WALKWAY PLANS (SHEET SET L4) ONLY, EXISTING CONDITIONS WERE OBTAINED FROM BRYANT ASSOCIATES, INC., 98 NORTH WASHINGTON STREET, SUITE 1B, BOSTON, MA 02114, DATED MAY 05, 2008.
2. CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS AND ELEVATIONS PRIOR TO EXCAVATION. UTILITIES MUST BE LOCATED PER "DIG SAFE". BEFORE CONSTRUCTION STARTS. ALL UTILITY COMPANIES, PUBLIC AND PRIVATE, MUST BE CONTACTED INCLUDING THOSE IN CONTROL OF UTILITIES NOT SHOWN ON THIS PLAN. SEE CHAPTER 370 ACTS OF 1963 MASSACHUSETTS AND CONTACT "DIG SAFE" 1-800-322-4844. REPORT ANY DISCREPANCIES IN WRITING TO DEPARTMENT OF CONSERVATION AND RECREATION (DCR) AND RECEIVE WRITTEN INSTRUCTIONS PRIOR TO PROCEEDING.
3. CONTRACTOR TO MEASURE AND VERIFY ALL EXISTING CONDITIONS, DIMENSIONS AND GRADES IN THE FIELD PRIOR TO PROCEEDING WITH CONSTRUCTION. TREATMENT PLANS SHALL BE MODIFIED ACCORDINGLY AND COORDINATED WITH THE DCR BEFORE PRECEEDING WITH ANY CONSTRUCTION.

GENERAL NOTES (contd):

4. CONTRACTOR SHALL COORDINATE TRAFFIC MANAGEMENT PLANS WITH THE DCR DURING CONSTRUCTION TO ENSURE SAFE VEHICULAR TRAFFIC PATTERNS ALONG ABUTTING STREETS.
5. CONTRACTOR SHALL EMPLOY SPECIAL CARE IN SCHEDULING CONSTRUCTION SO AS TO MINIMIZE DISRUPTION TO SURROUNDING PEDESTRIAN TRAFFIC. APPROXIMATE LIMIT OF WORK IS NOTED ON DRAWINGS. CONTRACTOR SHALL EMPLOY SPECIAL CARE TO PROTECT SAFETY OF PEDESTRIANS INSIDE AND OUTSIDE OF THE LIMIT OF WORK LINE. TEMPORARY BARRIERS AND SIGNAGE SHALL BE SUPPLIED BY THE CONTRACTOR AT NO ADDITIONAL COST TO DCR. CONTRACTOR TO ESTABLISH CONTROLS TO DIRECT PEDESTRIAN MOVEMENT INSIDE AND IMMEDIATELY OUTSIDE THE LIMIT OF WORK LINE AS DIRECTED BY DCR. CONSTRUCTION STAGING LOCATION(S) SHALL BE COORDINATED WITH THE DCR.
6. CONTRACTOR IS RESPONSIBLE FOR ALL DAMAGE DUE TO OPERATIONS INSIDE AND OUTSIDE THE LIMIT OF WORK LINE. CONTRACTOR SHALL MEET LINE AND GRADE OF EXISTING CONDITIONS AT THE LIMIT OF WORK LINE.
7. IT IS THE INTENT OF THIS CONTRACT TO AVOID ANY DISTURBANCE TO EXISTING VEGETATION ON THE SITE OTHER THAN VEGETATION SPECIFICALLY DESIGNATED FOR REMOVAL. PROTECT VEGETATION PER CURRENT DCR STANDARDS AND PROTECTION MEASURES. ADJUSTMENTS SHALL BE MADE IN THE FIELD AT THE DIRECTION OF THE DCR. SEE DRAWINGS FOR VEGETATION TO REMAIN AND TO BE REMOVED.
8. SHOULD ANY DAMAGE OCCUR TO EXISTING TREES, SHRUBS, OR UTILITIES TO REMAIN, THE CONTRACTOR SHALL BE RESPONSIBLE FOR, AND BEAR THE FULL COST OF RESTORATION OF THE VEGETATION AND UTILITIES TO THE SATISFACTION OF THE DEPARTMENT OF CONSERVATION AND RECREATION, OTHER PUBLIC AGENCIES, AND UTILITY PROVIDERS.
9. MAINTAIN THE INTEGRITY OF THE EXISTING STORM DRAINAGE SYSTEM AND DRAINAGE SWALES AT ALL TIMES.
10. EROSION CONTROL MESH SHALL BE USED ON ALL SEEDED AREAS GREATER THAN 3:1 SLOPE.
11. CONTRACTOR SHALL SUBMIT A CONSTRUCTION FENCE, SIGNAGE, TRAFFIC BARRIER AND MANAGEMENT PLAN, AN EROSION CONTROL PLAN, AND A VEGETATION PROTECTION PLAN TO THE DCR FOR APPROVAL PRIOR TO BEGINNING OF ANY CONSTRUCTION ACTIVITIES.
12. WHEN NEW PAVEMENT IS TO BE PLACED AGAINST EXISTING PAVEMENT, THE EXISTING PAVEMENT SHALL BE SAWCUT. PROTECT SAWCUT EDGE UNTIL INSTALLATION OF NEW PAVEMENT.
13. STAKE CENTERLINE OF PROPOSED PATHS FOR APPROVAL BY DCR BEFORE INSTALLATION. THE DCR SHALL VERIFY LAYOUT OF PAVEMENTS, SITE IMPROVEMENTS, AND PLANTINGS IN FIELD BEFORE FINAL INSTALLATION.
14. CONTRACTOR’S PERSONNEL SHALL EXERCISE CARE TO REFRAIN FROM USING OFFENSIVE AND / OR ABUSIVE LANGUAGE ON SITE.
15. CONTRACTOR SHALL SUBMIT A TASK SEQUENCE AND SCHEDULE TO THE DCR AND RECEIVE APPROVAL BEFORE COMMENCEMENT OF THE JOB.
16. ADJUST ALL EXISTING UTILITY FRAMES, GRATES, COVERS, ETC. WHICH ARE TO REMAIN TO PROPOSED FINISHED GRADES. IF NO SPECIFIC PROPOSED GRADE IS INDICATED ON THE DRAWINGS, THE CONTRACTOR SHALL ADJUST THE UTILITIES TO MEET THE PROPOSED ADJACENT CONDITIONS.
17. ALL WALK PAVEMENT SHALL HAVE A MINIMUM 1.5% AND A MAXIMUM 2% CROSS PITCH UNLESS OTHERWISE INDICATED ON THE PLANS.
18. CHANGES ARE PERIODICALLY MADE IN THE HANDICAPPED ACCESSIBILITY CODES, WHICH CANNOT BE FORESEEN DURING THE PREPARATION OF THESE PLANS. SHOULD SUCH CHANGES OCCUR DURING THE COURSE OF THE CONSTRUCTION OF THE CONTRACT NECESSITATING CHANGES TO THE SCOPE OF WORK, THE DCR SHALL ISSUE A CHANGE ORDER TO COVER STATUTORY REQUIREMENTS.
19. EXCAVATE BASE AND SUBGRADE SOILS TO DEPTHS REQUIRED FOR NEW DESIGN TREATMENTS.
20. ALL MATERIALS REMOVED SHALL BE DISPOSED OFFSITE UNLESS OTHERWISE NOTED. ALL MATERIALS REMOVED FROM THE SITE SHALL BE DISPOSED OF IN A SAFE AND LEGAL MANNER. THE CONTRACTOR SHALL ASSUME COST OF ANY FEES REQUIRED FOR PROPER AND LEGAL DISPOSAL.
21. STRIPPED TOPSOIL FOR RE-USE SHALL BE STOCKPILED ON SITE, IN AN AREA DESIGNATED BY DCR. IF EXPOSED, STRAW BALES OR SIMILAR EROSION CONTROL MEASURES SHALL BE INSTALLED AT THE TOE OF THE STOCKPILE TO PREVENT EROSION AS PER THE CONTRACTOR’S REQUIRED EROSION CONTROL PLAN.



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General Notes

DRAWN BY: SW/GC

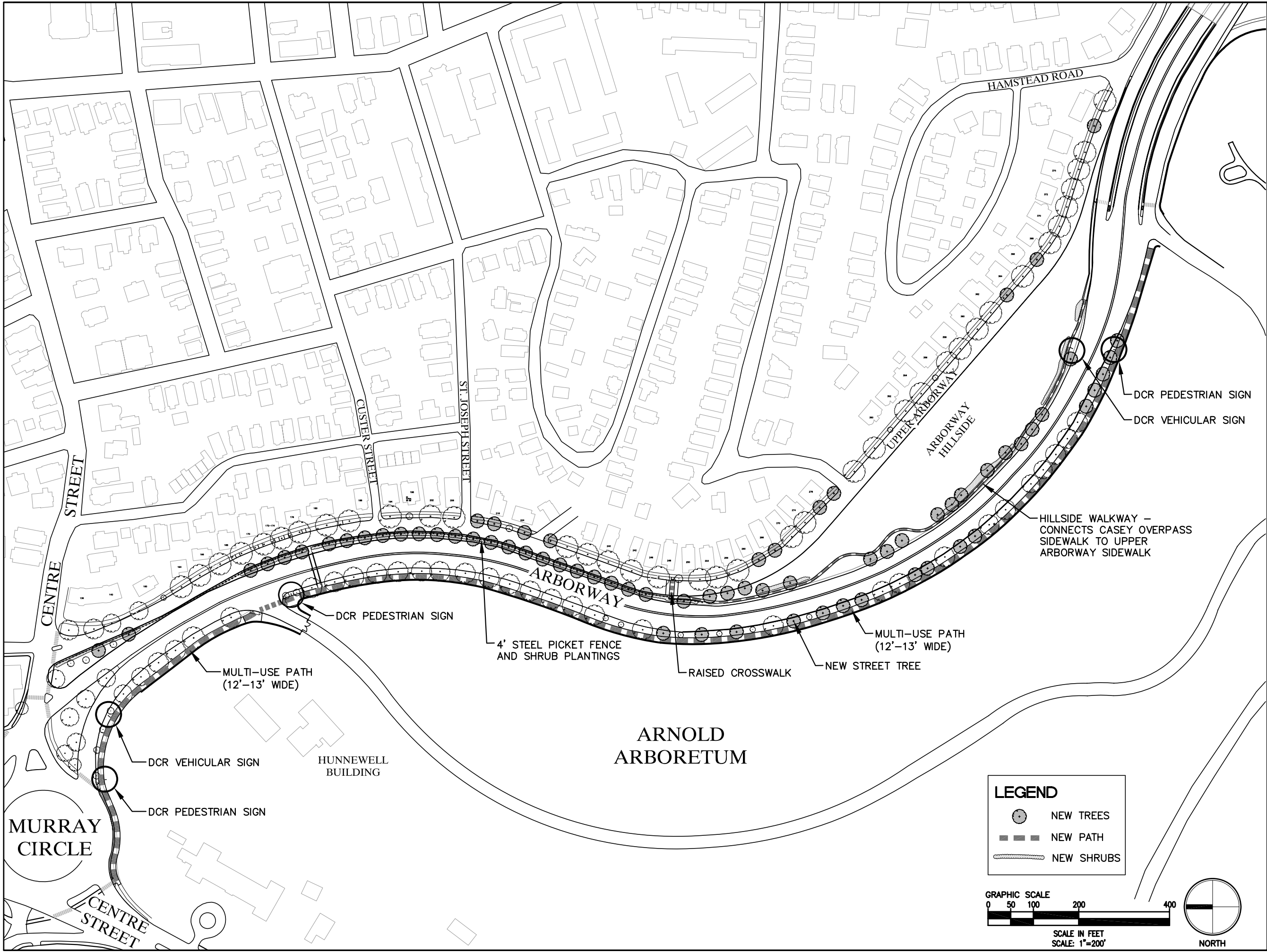
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DATE: JULY 2008

SCALE: AS NOTED

DRAWING NO.

G1



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Overall Treatment Plan

DRAWN BY: SW/GC
CHECKED BY: GC
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SCALE: AS NOTED

DRAWING NO.
G2

LEGEND

- NEW TREES
- NEW PATH
- NEW SHRUBS

