HISTORICAL PERSPECTIVES INC.

Phase IA Archaeological Documentary Study
Weeping Beech Park Playground Reconstruction
Flushing, Queens County, New York

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EXECUTIVE SUMMARY

The New York City Department of Parks and Recreation (Parks) proposes the reconstruction of Weeping Beech Park (also known as Margaret I. Carman Green-Weeping Beech) in Flushing, Queens County, New York (Figures 1 and 2). The portion of the park that will be reconstructed is located on the western portion of Block 5012, Lot 5, at Bowne Street and 37th Avenue. A narrow strip of land at its southern end contains Block 5012, Lots 1 and 76, and was a former roadway that has been discontinued. The project work will include, but not be limited to, improvements to the park's drainage system, security lighting, water supply and structural foundations of the sports courts and the flagpole. Selected sheets from the project's plan package are included as Appendix A.

Because it is a New York City-owned property, Parks is consulting with the New York City Landmarks Preservation Commission (LPC), which indicated the need for completion of a Phase IA Archaeological Documentary Study that would address both the Indigenous Precontact and historic periods (Sutphin 8/7/2024). The present report comprises the requested Phase IA Archaeological Documentary Study by Historical Perspectives, Inc. (HPI), which identifies known and potential archaeological resources within the Area of Potential Effect (APE) and complies with the standards of LPC (LPC 2018, CEQR 2021). The APE for this project includes the Weeping Beech Park property on Block 5012, Lots 5, 1, and 76.

HPI presents the following conclusions as to potential archaeological sensitivity at Weeping Beech Park for Indigenous Precontact and historic period resources.

From what is known of Indigenous Precontact period settlement patterns in New York City, most habitation and processing sites are found in sheltered, well-drained, elevated sites close to wetland features, major waterways, and with nearby sources of fresh water. The project site was at one time within approximately 1200 feet of a freshwater source, and is on a level landform. Prior to earthmoving associated with development of the project site, the soils likely were well-drained. The nearest previously recorded Indigenous Precontact site was at the Friends Meeting House, approximately 0.3 mile to the west, and which was considerably closer to a natural water source. In addition, the previous archaeological field investigations at both the Bowne House property immediately to the south of the project site and the Flushing Manor Geriatric Center one block to the east of the project site failed to recover any Indigenous Precontact artifacts. Finally, there has been very significant disturbance to the natural ground surface on the project site from earlier roadway, residential and parkland construction, as well as demolition of the former residences and the installation of subsurface utilities. Based on all of these factors, HPI concludes that the project site has a low sensitivity for Indigenous Precontact archaeological resources.

The project site was formerly part of the large Bowne family farm holdings. The Bowne House itself is located immediately south of the project site, and ongoing archaeological field investigations have recovered significant features and artifact collections associated with the occupation of the house from the 1660s through the twentieth century. The front of the Bowne House faces to the south, and the rear of the house faces to the north, suggesting that the project site may have at one time been used as an extension of the rear yard of the house. It is possible that there could have been shaft features, outbuildings, and/or artifact deposits associated with the Bowne House within the project site. From the 1830s through the 1870s, historic maps showed that the project site was part of the large Parsons & Co. nursery and commercial gardens, although no buildings or structures were depicted on the property, and it is less likely the project site was used for domestic purposes during that period. During the first half of the twentieth century, the project site contained large residences and associated outbuildings fronting Bowne Street and the former Fox Lane, which were demolished in order to construct Weeping Beech Park. The locations of these former buildings in relation to the current park features is shown on Figure 14.

Given the very significant disturbance to the natural ground surface described above, HPI concludes that while the project site may have once had a high sensitivity for historic period archaeological resources associated with the Bowne House and the commercial nursery, this sensitivity has been greatly diminished. Archaeological excavations at the Bowne House property have indicated that most resources were located just below the existing ground surface, and in many cases sterile subsoil was recorded ranging from 1-2 feet below the ground surface. The known disturbance to the project site very likely has destroyed the majority of any potential archaeological resources that once may have existed on the property. The possible exception could be remains from deeper shaft features, which could have been truncated beneath the disturbed soils, or potential deeper foundations of unknown outbuildings

from this period. However, the locations of any potential deeper resources cannot be predicted with any certainty due to the absence of lot lines in the Colonial and Early American eras.

Based on these conclusions, HPI recommends that an Unanticipated Discoveries Plan be created for the project site that will provide a response mechanism in case any deeply buried archaeological resources such as shaft features or foundations are discovered during park reconstruction. Although not expected, as a precaution and as is frequently implemented in New York City, the Unanticipated Discoveries Plan should also include a section addressing the protocols for the recovery of human remains. The Unanticipated Discoveries Plan should be created in accordance with the LPC *Guidelines* (2018) for archaeology in New York City and the New York State Unmarked Burial Protection Act (2023).

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I. INTRODUCTION

The New York City Department of Parks and Recreation (Parks) proposes the reconstruction of Weeping Beech Park (also known as Margaret I. Carman Green-Weeping Beech) in Flushing, Queens County, New York (Figures 1 and 2). The portion of the park that will be reconstructed is located on the western portion of Block 5012, Lot 5, at Bowne Street and 37th Avenue. A narrow strip of land at its southern end contains Block 5012, Lots 1 and 76, and was a former roadway that has been discontinued. The project work will include, but not be limited to, improvements to the park's drainage system, security lighting, water supply and structural foundations of the sports courts and the flagpole. Selected sheets from the project's plan package are included as Appendix A.

Because it is a New York City-owned property, Parks is consulting with the New York City Landmarks Preservation Commission (LPC), which indicated the need for completion of a Phase IA Archaeological Documentary Study that would address both the Indigenous Precontact and historic periods (Sutphin 8/7/2024). The present report comprises the requested Phase IA Archaeological Documentary Study by Historical Perspectives, Inc. (HPI), which identifies known and potential archaeological resources within the Area of Potential Effect (APE) and complies with the standards of LPC (LPC 2018, CEQR 2021). The APE for this project includes the Weeping Beech Park property on Block 5012, Lots 5, 1, and 76.

II. METHODOLOGY

The present study entailed review of various resources:

- Primary and secondary sources concerning the general history of Flushing, Queens and specific events associated with the project site and vicinity were reviewed using materials at the Archives at Queens Library, the New York Public Library, the library of HPI, and online resources.
- Historic maps and atlases were reviewed using materials at the Archives at Queens Library, the New York Public Library, the library of HPI, and various online websites. These cartographic sources provided an overview of the topography and a chronology of land usage for the project site. A selection of these maps and atlases has been reproduced for this report.
- A geotechnical survey with soil boring logs was provide by Parks (MFS Engineers & Surveyors 2024). The soil boring logs are included as Appendix B.
- Historic photographs were reviewed using online materials from the New York City Municipal Archives, the Archives at Queens Library, and the New York Public Library. The Parks Olmsted Center archives provided additional historic photographs. A selection of these photographs is provided in Appendix C.
- Parks provided original and reconstruction as-built plans for the project site. Selected sheets from these plans are provided in Appendices D and E.
- Department of Building records were reviewed using online resources.
- Information about previously recorded archaeological sites and surveys in the area was compiled from data available at the New York State Office of Parks, Recreation and Historic Preservation (NYSOPRHP), the LPC, and the library of HPI. Of particular note were archaeological survey reports associated with the Bowne House, located immediately south of Weeping Beech Park.
- Last, Julie Abell Horn of HPI conducted a site visit on April 15, 2025 (Photographs 1-11; Figure 2).

III. CURRENT CONDITIONS AND ENVIRONMENTAL SETTING

A. Current Conditions

The project site contains the majority of Weeping Beech Park, located on Block 5012, Lots 5, 1, and 76. Additional portions of the park include Block 5012, Lot 60 to the east, which contains the historic Kingsland Homestead housing the Queens Historical Society, and Block 5013, Lot 6 to the south, which contains the historic Bowne House.

The project site is bounded on the west by Bowne Street, on the south by the Bowne House on Block 5013, Lot 6 and 37th Avenue, on the east by the Kingsland Homestead on Block 5012, Lot 6, and on the north by additional

privately held lots on Block 5012. The project site is fully enclosed by wrought iron fencing on the east, west, and south sides, and chain link fencing on the north side.

The northwestern portion of the project site, fronting Bowne Street, contains an asphalt-paved athletic court that previously contained basketball hoops and markings (Photographs 1 and 2). Prior to park construction this area contained an early twentieth-century residence (see Appendix C, Photographs H-2 and H-6). There are several subsurface utilities crossing under this area.

The southwestern portion of the project site, also fronting Bowne Street, contains an undeveloped sitting area surrounding a grassy center (Photographs 3-6). There are mature trees and benches lining this area. Because the southern portion of this area was an active roadway prior to park construction, there are still water and sewer lines running beneath the southernmost pathway. Prior to the park construction, there were two early twentieth-century residences facing the former roadway (see Appendix C, Photographs H-7, H-8 and H-9). This portion of the project site is located immediately north of the historic Bowne house property (see Appendix C, Photographs H-1, H-2, H-3 H-4, H-5, and H-10).

The interior portion of the project site contains additional park components. East of the athletic court are asphalt-paved sitting areas, a small play area, a one-story brick comfort station, a handball court that is enclosed by additional chain link fencing, and vegetated areas (Photographs 7 and 8). There are multiple subsurface utilities running under this portion of the park. Prior to park construction, these areas were part of the large yard associated with the former residence fronting Bowne Street.

The eastern section of the project site contains two additional playground areas, a spray shower play area, and vegetated areas, again containing multiple subsurface utilities (Photographs 9-11). This portion of the park once contained a large wading pool and different playground components (see Appendix C, Photograph H-11), which were removed in the 1980s. Prior to park construction, these areas also were part of the large yard associated with the former residence fronting Bowne Street.

B. Topography and Hydrology

Early maps of Queens recorded the topography and environment of the project site prior to twentieth-century development. The project site is in a relatively level area on firm ground. The 1891 Bien and Vermeule atlas, which was among the first historic maps to indicate elevations, showed that the project site was between 60-70 feet above sea level. The more detailed early-twentieth century surveys, the Queens "Final Map[s]" of 1912 and 1925, also showed the project site between the 60- and 65-foot contour lines (Queens Final Maps 1912, 1925). The 1903 Sanborn map indicated that the intersection of Bowne Street and the line of modern 37th Avenue was 61 feet above sea level. Today, the project survey (Figure 2) indicates that the project site ranges from elevation 63-65 feet (NAVD 88 datum). It appears that although the project site has been substantially disturbed from grading and filling activities associated with residential and park construction and demolition, the basic elevations have not changed considerably over time.

Prior to nineteenth-century landfilling, the nearest natural water source to the project site was a pond at the headwaters of a local creek that emptied into Flushing Bay. The creek was surrounded by marshland. Local historian Lawson noted "numerous" freshwater springs north of Northern Boulevard in the vicinity of Spring Lane (now Leavitt Street at 35th Avenue) (Lawson 1952:62). Historian Innes's 1908 "reconstruction" of early Flushing depicted a pond on the north side of Northern Boulevard, in the line of Main Street, about 1200 feet west northwest of the project site. A small creek running into the pond was also recorded along the east side of and parallel to Main Street, approximately 800 feet west northwest of the project site. According to written accounts, the pond "was a watering place for cattle, it received several springs east of Main Street, and ran off through swampy woodland to the north." The Munsell history also mentions it, describing "a noisome frog pond" (Munsell 1882). Local historians reported that it became a public nuisance and was filled in before 1843 when the first town hall, called the "Trustees Hall" was built there, at the west end of the park in the center of Broadway (now Northern Boulevard) (HCBQ 1938:8.56).

C. Soils

The U.S.D.A. web soil survey (Figure 3) indicates that the APE falls within a large mapping unit known as UGA, Urban land-Greenbelt complex, 0 to 3 percent slopes.

A typical soil profile for Urban Land is:

M - 0 to 15 inches: cemented material
2^C - 15 to 79 inches: gravelly sandy loam

A typical soil profile for Greenbelt soils is:

^A - 0 to 5 inches: loam
^Bw1 - 5 to 16 inches: loam
^Bw2 - 16 to 30 inches: loam
^C - 30 to 79 inches: sandy loam

Note that the USDA indicates that horizons formed in human-transported materials are indicated by a caret symbol (^) preceding the master horizon symbol.

As part of the current project, a set of five soil borings was completed within the park (MFS Engineers & Surveyors 2024). The locations of the borings and the logs are included as Appendix B. All of the borings were excavated to approximately 16 feet below grade. Results of the soil boring program indicated that Borings B-1 and B-2, located within the western side of the athletic court, contained an initial 2-foot thick upper layer of asphalt, concrete, and fill. Boring B-3, located to the east of Borings B-1 and B-2 and overlapping the footprint of a former residence, contained an upper 6-foot thick layer of asphalt, concrete, and fill, and Borings B-4 and B-5, located within the interior of the park, contained a 6-foot thick layer of asphalt and fill. Inclusions within the fill strata were noted as brick and concrete. Under the upper fill layer, the soil borings recorded various strata of deep subsoil. Although nearly all soils were noted as “moist,” no groundwater was identified. None of the soil borings reached bedrock.

IV. BACKGROUND RESEARCH/HISTORICAL OVERVIEW

A. Indigenous Precontact Period Summary

For this report, the words Indigenous Precontact period are used to describe the period prior to the use of formal written records, and dates presented are for years before present (B.P.). In the western hemisphere, the Indigenous Precontact period also refers to the time before European exploration and settlement of the New World. Archaeologists and historians gain their knowledge and understanding of Indigenous Peoples in the metropolitan New York area from three sources: ethnographic reports, Indigenous People’s artifact collections, and archaeological investigations.

Based on data from these sources, a precontact cultural chronology has been devised for the New York City area. Scholars generally divide the Indigenous Precontact period era into four main periods, the PaleoIndian (ca. 14,000-10,000 B.P.), the Archaic (ca. 10,000-2700 B.P.), the Woodland (ca. 2700-400 B.P.), and the Contact Period (ca.400-300 B.P.) (Cantwell and diZerega Wall 2001). The Archaic and Woodland periods are further divided into Early, Middle, and Late substages. Artifacts, settlement, subsistence, and cultural systems changed through time with each of these stages.

- **PaleoIndian Period (ca. 14,000-10,000 BP)**

The PaleoIndian Period represents the earliest known human occupation of the New York City area. Approximately 14,000 years ago, the Wisconsin Glacier retreated from the area leading to the emergence of a cold dry tundra environment. Sea levels were considerably lower than modern levels during this period (they did not reach current levels until ca. 7000 B.P., in the Early to Middle Archaic Period). The material remains of the Paleo Indians include lithic tools such as Clovis-type fluted projectile points, bifacial knives, drills, gravers burins, scrapers, flake cores,

and flake tools, although sites generally are represented by limited small surface finds. The highly mobile nomadic bands of this period specialized in hunting large game animals such as mammoth, moose-elk, bison, and caribou and gathering plant foods.

From the locations of recorded sites in the Northeast, PaleoIndians exhibited a marked preference for well-elevated situations. However, 30% of sites were found on or near the margins of swampy ground. Sites have also been found near lithic sources, rock shelters and lower river terraces. Environmental characteristics that appear to have been attractive to PaleoIndians include the proximity of major waterways, large fertile valleys and the coastal plain, where the densest population of desired food animals was supported (Ritchie 1980:7). However since 10,000 years ago, the rise in sea level estimated to be from 75 to 80 feet, has submerged large numbers of these sites.

The retreat of ice from the New York City area approximately 18,000 years ago and a global warming trend circa 14,000 B.P., encouraged PaleoIndian settlement in the Northeast. The post-glacial environment of spruce and pine underwent a gradual modification in favor of deciduous hardwoods such as oak and hickory, which have greater importance in terms of nutritional value to both animals and humans than do conifers. By 10,000 B.P., these deciduous species dominated forests along the eastern seaboard. In general, settlement patterns suggest small mobile nomadic groups that utilized a wide range of seasonally available resources. The Paleoindian Period is theorized to have ended because of "overspecialized subsistence strategies emphasizing big-game hunting" (Snow 1980).

A typical artifact assemblage from Paleoindian sites in the Northeast include diagnostic Clovis-type fluted projectile points and processing tools such as scrapers, gravers, and drills indicative of processing faunal material. Stone tools were most often made from chert native to eastern New York and jasper from Pennsylvania and New Jersey. To some archaeologists, lithics recovered far from their sources suggest well-defined or extensive travel or trade networks in operation at that time. Although no PaleoIndian sites have been recorded in Queens, materials have been recovered at several sites on Staten Island including Port Mobil, the Cutting site, Smoking Point, and along the beach in the Kreischerville area. One fluted projectile point was found in the Bayswater section of Queens, likely from the high, well drained ground west of Little Neck Bay (Boesch 1997).

- **Archaic Period (ca. 10,000-2700 B.P.)**

During the ensuing Archaic Period a major shift occurred in the subsistence and settlement patterns of Indigenous Peoples. Archaic period peoples still relied on hunting and gathering for subsistence, but the emphasis shifted from hunting large animal species, which were becoming unavailable, to smaller game and collecting plants in a deciduous forest. The settlement pattern of the Archaic people consisted of small bands that occupied larger and relatively more permanent habitations sites. Typically, such sites were located on high ground overlooking water courses. The Archaic has been subdivided into four smaller periods, the Early, Middle, Late, and Terminal Archaic.

The environment during the Early Archaic (ca. 10,000 - 8000 B.P.) displayed a trend toward a milder climate and the gradual emergence of a deciduous-coniferous forest with a smaller carrying capacity for the large game animals of the previous period (Ritchie and Funk 1971). The large Pleistocene fauna of the previous period were gradually replaced by modern species such as elk, moose, bear, beaver, and deer. New species of plant material suitable for human consumption also became abundant. The increasing diversification of utilized food sources is further demonstrated by a more complex tool kit. The tool kit of the Early Archaic people included bifurcated or basally notched projectile points generally made of high quality stone. Tool kits were more generalized than during the PaleoIndian period, showing a wider array of plant processing equipment such as grinding stones, and mortars and pestles. Early Archaic sites are exceedingly rare in Queens. Boesch (1997) notes only one potential Early Archaic site in the Borough, along high ground bordering Little Neck Bay.

The archaeological record suggests that a population increase took place during the Middle Archaic Period (ca. 8000 - 6000 B.P.). This period is characterized by a moister and warmer climate and the emergence of an oak-hickory forest. The settlement pattern during this period displays specialized sites and increasing cultural complexity. The exploitation of the diverse range of animal and plant resources continued with an increasing importance of aquatic resources such as mollusks and fish (Snow 1980). In addition to projectile points, the tool kits of Middle Archaic peoples included grinding stones, mortars, and pestles. Boesch (1997) wrote that "although rare (or rarely

recognized) in Queens, Middle Archaic components reportedly have been identified at sites located on the high ground around Little Neck Bay."

Late Archaic people (ca. 6000 - 3700 B.P.) were specialized hunter-gatherers who exploited a variety of upland and lowland settings in a well-defined and scheduled seasonal round. The period reflects an increasingly expanded economic base, in which groups exploited the richness of the now established oak-dominant forests of the region. It is characterized by a series of adaptations to the newly emerged, full Holocene environments. As the period progressed, the dwindling melt waters from disappearing glaciers and the reduced flow of streams and rivers promoted the formation of swamps and mudflats, congenial environments for migratory waterfowl, edible plants, and shellfish. The new mixed hardwood forests of oak, hickory, chestnut, beech, and elm attracted white-tailed deer, wild turkey, moose and beaver. The large herbivores of the Pleistocene were rapidly becoming extinct and the Archaic Indians depended increasingly on smaller game and the plants of the deciduous forest. The projectile point types attributed to this period include the Lamoka, Brewerton, Normanskill, Lackawaxen, Bare Island, and Poplar Island. The tool kit of these peoples also included milling equipment, stone axes, and adzes. Coastal sites showed a principal reliance upon shellfish, especially oysters, hard and soft shell clams and bay scallops, which were readily available in the waters around the Bronx. In contrast to conditions during the PaleoIndian, Early and Middle Archaic, "by Late Archaic times sea level was so close to present levels that its subsequent small rise has failed to obliterate much of what remains on Long Island from that period" (Gwynne 1982:192). Boesch (1997) indicated that sites with Late Archaic components have been documented in Queens on high ground along north shore bays and inlets and in low lying areas near estuaries and along major interior streams.

During the Terminal Archaic Period (ca. 3700 - 2700 B.P.), Indigenous Peoples developed new and radically different broad bladed projectile points, including Susquehanna, Perkiomen and Orient Fishtail types. The use of steatite or stone bowls is a hallmark of the Terminal Archaic Period. Boesch (1997) noted that Terminal Archaic period components have been found on high ground bordering the bays and inlets of the north shore.

- **Woodland Period (ca. 2700 - 400 B.P.)**

The Woodland Period is generally divided into Early, Middle, and Late Woodland on the basis of cultural materials and settlement-subsistence patterns. Settlement pattern information suggests that the broad based strategies of earlier periods continued with a possibly more extensive use of coastal resources. The Early Woodland was essentially a continuation of the tool design traditions of the Late Archaic. However, several important changes took place. Clay pottery vessels gradually replaced the soapstone bowls during the Early Woodland Period (ca. 2700 to 2000 B.P.). An early ceramic type is called Vinette 1, an interior-exterior cordmarked, sand tempered vessel. The Meadowood-type projectile point is a chronological indicator of the Early Woodland Period. According to Boesch (1997), Little Neck Bay is the only area of Queens where Early Woodland period sites have been previously recorded.

Cord marked vessels became common during the Middle Woodland Period (ca. 2000-1000 B.P.). Jacks Reef and Fox Creek-type projectile points are diagnostic of the Middle Woodland. Another characteristic projectile point of the early to Middle Woodland Period is the Rossville type, named for the site at Rossville where it predominated. It is believed to have originated in the Chesapeake Bay area and is found in New Jersey, southeastern New York, and southern New England (Lenik 1989:29). The Early and Middle Woodland periods displayed significant evidence for a change in settlement patterns toward a more sedentary lifestyle. The discovery of large storage pits and larger sites in general has fueled this theory. Some horticulture may have been utilized at this point but not to the extent that it was in the Late Woodland period. Boesch (1997) wrote that Middle Woodland components in Queens have been found at sites near Little Neck Bay and in Captain Tilly Park. Boesch's field investigation at the Flushing Friends Meeting House recovered two Jack's Reef projectile points from the Middle Woodland Period (Boesch 2008).

In the Late Woodland period (ca. 1000 – 400 B.P.), triangular projectile points such as the Levanna and Madison types, were common throughout the Northeast (Lenik 1989:27). Made both of local and non-local stones, brought from as far afield as the northern Hudson and Delaware River Valleys, these artifacts bear witness to the broad sphere of interaction between groups of Indigenous Peoples in the Northeast. Additionally, during this period collared ceramic vessels, many with decorations, made their appearance.

Woodland Period Indigenous Peoples in the New York City area and surrounding regions shared common attributes. The period saw the advent of horticulture and with it, the appearance of large, permanent or semi-permanent villages. Plant and processing tools became increasingly common, suggesting an extensive harvesting of wild plant foods. Maize cultivation may have begun as early as 800 years ago. The bow and arrow, replacing the spear and javelin, pottery vessels instead of soap stone ones, and pipe smoking, were all introduced at this time. A semi-sedentary culture, the Woodland Indians moved seasonally between villages within palisaded enclosures and campsites, hunting deer, turkey, raccoon, muskrat, ducks and other game and fishing with dug-out boats, bone hooks, harpoons and nets with pebble sinkers. Their shellfish refuse heaps, called "middens," sometimes reached immense proportions of as much as three acres (Ritchie 1980:80, 267). Habitation sites of the Woodland Period Indians increased in size and permanence.

The archaeological evidence from Woodland Period sites indicates a strong preference for large-scale habitation sites in close proximity to a major fresh water source, e.g., a river, a lake, or an extensive wetland; and smaller scale sites for extractive operations, e.g., butchering stations, shellfish processing sites, and quarrying sites, to be situated at other resource locales. Late Woodland Stage sites of the East River Tradition in southern New York have been noted on the "second rise of ground above high water level on tidal inlets," and situated on "tidal streams or coves" and "well-drained sites" (Ritchie 1980:16). Carlyle S. Smith, who studied and analyzed the distribution of prehistoric ceramics in coastal New York, stated that "village sites" are found on the margins of bays and tidal streams (Smith 1950:130). Boesch (1997) noted that a number of Late Woodland sites have been recorded in Queens, including those with components at the Wilkins, Clearview, Aqueduct, and Oakland Lake sites and on Sanford Neck and in Baywater.

- **Contact Period (ca. 400 - 300 B.P.)**

The first recorded visit to the Flushing area by a European was probably that of the trader/explorer Adriaen Block, in the ship *Onrust*, who sailed up Long Island Sound and explored the bays on either side in 1614 (Waller 1899:5). Contact with Europeans had far-reaching effects on Indigenous cultures. European goods such as metal and glass began to replace traditional materials. Trade for these and other goods probably encouraged a more sedentary lifestyle, and larger villages developed into permanent settlements. The population of these villages would expand and contract with the seasonal availability of natural food resources, and maize agriculture contributed surplus food which could be stored to bolster their already rich diet. Tragically, these cultural developments were cut short, as natives were exposed to European diseases against which their bodies had no resistance and the Indigenous population was decimated (HPI 1989:10).

Due to these tremendous stresses, the socio-political situation of Long Island's Indigenous peoples was extremely fluid, with groups splitting and combining in complex ways, which are only beginning to be understood. Most nineteenth century histories of Flushing and Queens County identify the seventeenth century inhabitants of the Flushing area as being Matinecock Indians (Waller 1899:17). The Matinecock claimed jurisdiction over northern Long Island east of Newtown and as far west as Smithtown in Suffolk. They were described as being once numerous in northeastern Queens, with their settlements in Little Neck and Bayside and a large one in Flushing, where they made wampum, and dried oysters and clams for winter use (Munsell 1882:19, 76).

Others record the original sellers of the land as the Massapequa, despite recording the presence of the Matinecock's Flushing settlement (Thompson 1918:I 126, III 3), or Canarsee or even Rockaway (HPI 1985:6). At present, it is generally believed that western Long Island was inhabited by Munsee-speaking Canarsee Indians, members of the Delaware culture group. According to the research of Robert Grumet and Reginald Bolton, the divisions or sub-divisions known as the Matinecock and the Massapequa had fairly close ties. They were allies during the late seventeenth century, and eventually combined in 1676, and went to live in the Rockaways. The Massapequa sachem signed treaties with the Dutch in the name of other groups such as the Rockaway on more than one occasion, and when he was killed the Matinecock sachem signed an agreement representing his own and some of the Massapequa's towns. Thus, there existed a complex relationship between the Indigenous groups on Long Island which is yet to be explained sufficiently (Grumet 1981:5-6, 30-33).

B. Historic Period Summary

Until the late nineteenth century, the project site shared much of the same history as the Bowne House property immediately to the south. Portions of this section are excerpted and adapted from HPI's Archaeological Documentary Study and Field Testing Report for the Bowne House (HPI 2012). For a more detailed history of early Flushing, Quakerism, and the Bowne House property, the reader is directed to that report.

Flushing was one of several English towns founded in New Netherland, along with Newtown, Jamaica, Gravesend, and Hempstead. Governor General Kieft granted a patent for approximately 16,000 acres east of Flushing Creek to a group of English emigrants, including Thomas Farrington, John Lawrence, and Thomas Stiles in October 1645. The Dutch called the settlement Vlissingen, after an important town in the Dutch province of Zealand, known to the English as Flushing (Brodhead 1853:410).

As was the practice of the Dutch West India Company (GWIC), rather than appropriate native property, title was secured by purchase. This had been accomplished in 1639 when the area which was later the Towns of Flushing and Jamaica (now the eastern half of Queens County) was purchased from an Indian delegation headed by Mechowod, sachem of the "Massapeague," accompanied by his cousin Piscamoe, Worttewoockhow, Kackpohor, and Ketachquawars. The liberal terms allowed Mechowod's people to "remain to dwell, to plant Indian corn, to fish and to hunt in the said lands" (Thompson 1918:3.3–4).

John Bowne (1627–1695), the first owner/resident of the Bowne House, was born in Matlock, in English county of Derbyshire, and emigrated to Boston, Massachusetts, in ca. 1649. He visited Flushing in 1651, and in 1653 acquired 4 acres of land there, moving to the town in 1654, accompanied by his father, Thomas Bowne. Their first house was in the vicinity of Northern Boulevard and Union Street, about 750 feet northwest of the present Bowne House. The journal of later Bowne House owner, Samuel Parsons, places the building somewhat farther north, at 35th Avenue near the east side of Union, with foundations visible as late as 1800 (Wheeler 2007:2.1). In 1656, John Bowne married Hannah Feke (or Feake), daughter of Lt. Robert Feke of Flushing, and the couple eventually moved into the newly built Bowne House, at what was then the eastern edge of Flushing village. Following tradition, the house was built in 1661 (Brodhead 1853:705n), based on references by Bowne to "our house at Flushing" in 1661 and 1662. Hannah Bowne's brother, John Feke, may have been the builder of the original house, the south-central part of the current building, which was a 1½-story, one-room structure, measuring about 31 × 21 feet (Wheeler 2007:2.7–2.8).

After joining the Society of Friends and converting to Quakerism in the early 1660s, John Bowne invited the group to worship at his house. In 1662, the magistrates in Jamaica reported Bowne for hosting illegal "conventicles" (worship services) for the Quakers of Flushing and the neighboring villages, and upon his confession, he was arrested, fined 25 Flemish pounds, and threatened with banishment (Brodhead 1853:705–706). After three months' imprisonment, Bowne was banished and sent to Amsterdam in 1663, although he successfully petitioned to return to Flushing in 1665. After that time, the Flushing Friends prospered. It is believed that the Friends in the Flushing vicinity continued to meet in John Bowne's house (Hinshaw 1940:10), which served as their place of worship for over 30 years until the first meetinghouse was completed in 1694 (Lowry 1994: 10–11).

John Bowne was not idle through this period. His farm and other business ventures prospered. By 1675 he was the largest landowner in Flushing with 50 acres, 20 acres of land and 30 acres of meadow; in addition to 9 horses, 4 oxen/bulls, 21 cattle (7 cows), 10 swine, and 50 sheep (O'Callaghan 1849:460); in 1683 he owned 60 acres of uplands and meadows (Fulton 1981:17–18). He had steadily purchased small lots of land (generally in four-acre increments) through 1665, and from 1665 to 1693 began purchasing meadowlands. He also had extensive landholdings in other parts of Queens County, and in Pennsylvania (Fulton 1981:21–25). An estimate of the original boundaries of the farm by historian August Kupka places the approximate north boundary at Northern Boulevard, south at Sanford Avenue, west at Union Street, and east at Murray Street (Fulton 1981:18). The project site was part of the extensive Bowne farm, although there is no indication whether there were any buildings on it during this period. Given that the project site is located at the rear of the Bowne House, it is possible that portions of the property were used as extensions of its yard area.

In 1665/66 Bowne contracted with his brother-in-law, John Feake, to build a 20 × 40 ft. barn to accommodate "catels" and also a threshing floor. Architectural historian Fulton noted that this contract coincided with John

Bowne's program of acquiring meadowland, i.e., land for grazing cattle. A stable was constructed by 1681. There is no record of the locations of these buildings. The potential payment scheme in 1665/66 likely reflects what John Bowne's farm was producing: wheat, Indian corn, oats, "catel," a good cow, and a mare colt. Work in ca. 1680 was contracted for Indian corn, wheat, and cider (Fulton 1981:22; Wheeler 2007:2.19, 50), and son Samuel Bowne described some of his August 1693 chores as sowing hay and making cider (Thomas 1918:70). The market for Flushing produce was New York City, since it was easier to transport goods to Manhattan by canoe than west by overland routes through the marshes around Flushing Creek.

During John Bowne's lifetime and residence in Flushing, he married three times and fathered 15 children. The large Bowne household also included multiple enslaved members at various times. After John Bowne's death in 1695, the house passed to John's eldest son Samuel Bowne, who was the owner from 1696–1745, also married three times having multiple children. After Samuel Bowne's death, his third son with his first wife, John Bowne III[1], inherited the property and owned it from 1745–1757. At John Bowne III's death in 1757 he left a widow, four children, and four enslaved Africans. John Bowne III's eldest surviving son, John Bowne IV, and his widow shared ownership of the house until 1770, after which John Bowne IV owned the house until his death in 1804. The enslaved household members were emancipated between 1795 and 1800, and although African-Americans workers were associated with the Bowne House well into the nineteenth century, they were listed in records as free blacks. In subsequent decades, due to the continued strong Quaker influence in the area, as well as the abolitionist activism of Bowne family members and descendants, Flushing became a haven for free blacks (Mandeville 1860:26). The 2012 HPI report for the Bowne House detailed the names and relationships of the extensive family members, enslaved persons, and changes to the Bowne House to accommodate the rising number of residents during these years.

At his death in 1804, John Bowne IV left the house and estate in equal shares to his widow, Anne Field, and daughters Mary, Anne, Elizabeth, and Catharine (Fulton 1981:47). From this period onward, the house and surrounding property, including the project site, tended to be owned by multiple family members. As the heirs aged and passed away, their shares of the estate were passed on to the other heirs and their progeny. Throughout these transfers the testator tended to encourage the testees to keep the house within the Bowne family, as Anne Field Bowne's will put it: "preserved in the family without alienation or diminition" (Fulton 1981:27, 48). Since Mary Bowne was the only daughter to marry and produce children, ownership of the house eventually passed to Mary's children with husband Samuel Parsons.

Mary Bowne's (1784–1839) marriage to Samuel Parsons (1774–1841) opened a new chapter in the history of the Bowne estate and, at the very least, injected new wealth into this particular branch of the Bowne family. Samuel Parsons outlived Mary, sharing ownership of the house with his sister-in-law, Anne Bowne (1785–1863), who lived her entire life in the house, eventually bequeathing her share to her Parsons nieces and nephews.

Samuel Parsons was a merchant in the pharmaceutical trade in Manhattan, the son of Quaker parents, member of the New York Monthly Meeting, and clerk of the Yearly Meeting for over 30 years. He married Mary Bowne in 1806. She seems to have been equally devoted to the Friends, "successively filled the stations of overseer and elder in the church" (Monthly Meeting of New-York 1843:5–9; *Long Island Star-Journal* 1946:3), and the two were also antislavery activists (Sturge 1842:108n). In the same year as his marriage, Samuel Parsons purchased property to the north of the Bowne House, land once owned by the Bowne family. The newlyweds lived in an existing house on this property (Fulton 1981:49), at the head of Bowne Avenue, on the north side of Broadway (Northern Boulevard).

In 1838, in the tradition of the great Flushing horticulturists, Samuel Parsons established Parsons & Co., a nursery business to be run by his sons Samuel Bowne Parsons and Robert Bowne Parsons. The sons made numerous plant collecting trips abroad, and the nurseries "became famous the world over for the propagation of ornamental trees and shrubs" (*Brooklyn Daily Eagle* 1906:3). The 1841 Smith map of Flushing (Figure 4) recorded "The Bowne House," a recognized landmark of the time, in the southwest corner of the extensive Parsons & Co's Nursery & Commercial Garden," extending to Northern Boulevard (Broadway). To the south and west of the house was

[1] Given the repetition of the name "John Bowne" in the Bowne House history, the John Bownes after the original have been numbered for ease of identification. John II, son of John, did not live to inherit the property, and does not appear in the historical narrative.

property of the "Estate of John Bowne," presumably jointly owned by the group of John Bowne IV heirs. The project site was shown as part of the nursery property, although undeveloped with any buildings.

The U.S. agricultural census of 1850 noted that the Parsons concern (listed under Robert B. Parsons) sold between $10,000 and $20,000 in trees yearly. In addition, the business was also a working farm, its 135 acres producing 150 bushels of wheat, 400 bushels of Indian corn, and 100 bushels of oats. Under Samuel Bowne Parsons' name an additional 100 lb. of potatoes, 30 bushels of buckwheat, 300 lb. of butter, and 50 tons of hay were produced on 50 acres that seem to have been his personal estate.

The 1852 Conner map (Figure 5) showed the extent of the Bowne family and Parsons & Co. land holdings in the vicinity of the project site. By this time, an unfinished extension of Washington Street was shown linking Bowne Street with the main Parsons & Co. commercial operations to the east. The project site was undeveloped and although part of the overall Parsons holdings, not depicted as containing plantings. The 1854
Perhaps the most famous plant associated with the Parsons family was the weeping beech tree. Weeping Beech Park is named for the very large weeping beech tree that was planted as a seedling by Samuel Bowne Parsons in 1847, to the east of the project site. Parsons had acquired the seedling from a nobleman's estate in Beersal, Belgium. The tree ultimately grew to 60 feet in height and had a canopy of 80 feet in diameter. It was the first living object to be given New York City Landmark Status, in 1966. The tree is still standing, although has not produced any foliage since the 1990s (Margaret I. Carman Green - Weeping Beech : NYC Parks).

In 1871, Samuel B. and Robert B. Parsons decided to dissolve their Parsons & Company partnership, with Samuel B. Parsons establishing "Kissena Nurseries" about a mile to the south near Kissena Lake, and Robert B. Parsons retaining the old property, headquartered on the lands containing and surrounding the project site. A street, present Parsons Boulevard, was built to connect the two establishments (Fulton 1981:49–50; Driscoll 2005:101). As Flushing took on a more suburban and even commercial tone, however, parts of the nursery lands were subdivided into building lots and sold. As if to underline the change, James Bowne Parsons, brother of Samuel and Robert, who was for many years listed in Flushing directories with the occupation of "nursery" or "florist" (Boyd 1864; Curtin 1865, 1867, 1868), was listed as "[real estate] broker" in 1871 (Curtin 1871). In 1875, Robert Bowne Parsons retired from the business (Fulton 1981:50). However, historic maps and images from the 1870s continued to depict the project site as an undeveloped part of the R.B. Parsons & Co. nursery (Beers 1873 [Figure 7], Fowler 1876 [Figure 8]).

By the 1890s, the R.B. Parsons & Co. nursery had been disbanded and Block 5012 containing the project site had been divided into residential building lots. The 1891 Wolverton map (Figure 9) showed that the project site was part of a larger parcel attributed to A.E. Leavett and a residence (also shown on the 1876 Fowler panorama [Figure 8]) was located at the southeast corner of Bowne Street and Broadway (Northern Boulevard), just north of the project site. The 1903 Sanborn map (Figure 10) indicated that by this time, a large residence had been constructed in the northwestern portion of the project site fronting Bowne Street. Another residence had been constructed overlapping the edge of the project site on the southeast, largely within the area now covered by the end of 37th Avenue.

By the 1910s, two more residences had been constructed on the project site fronting the former Fox Lane (an extension of the line of modern 37th Avenue) near Bowne Street, as shown on the 1909 Bromley map and the 1917 Sanborn map (Figure 11). Similar conditions were shown on the 1934 Sanborn map (Figure 12). The western end of the former Fox Lane roadway within the project site, which separated the Bowne House and the residences on the project site, can be seen in historic photographs in Appendix C, Photographs H-1 to H-6). Tax photographs of the buildings on the project site lots were taken from 1939-1941 and are on file at the New York City Municipal Archives. They provide a visual companion to the twentieth century Sanborn maps. The tax photographs for the project site are included as Appendix C, Photographs H-7 to H-9.

The residence on the project site fronting Bowne Street had been demolished by issuance of the 1951 Sanborn map (Figure 13). However, the residences on the project site fronting Fox Lane endured until the mid-1950s, when they too were removed, in preparation for the creation of Weeping Beech Park. The park had begun as a smaller parcel to the east of the project site in the 1920s, and included the weeping beech tree. It was called Jackson Park, after Jackson Avenue (today's Northern Boulevard). In 1951, the city acquired the project site parcels, including the former Fox Lane roadway, and created the current lot configuration. The as-built plans for Weeping Beech Park,

from 1955, are included as Appendix D. These plans also indicated the locations of the former residences and outbuildings on the project site. An aerial photograph from 1954 showed that the homes along Fox Lane were still standing; Department of Buildings records indicate that demolition permits were filed in 1956. Construction of the project site's portion of Weeping Beech Park began in 1956; a historic photograph of the Bowne House that year showed the progress of the park's construction along its southwestern side (Appendix C, Photograph H-10). The certificate of occupancy for the park's comfort station was issued in 1957.

The as-built plans from 1955 showed that the original configuration of the eastern side of Weeping Beech Park was different than it is today. There was a shallow wading pool at the park's northeastern corner (shown in Appendix C, Photograph H-11). South of the wading pool were play areas including see saws and sand pits. The paved area along the western side of the park was originally constructed as basketball courts.

There have been a number of changes and upgrades to the park since 1955. In 1968, the present Kingsland Homestead building, to the east of the project site, was relocated to the park. Today it houses the Queens County Historical Society. In 1976, the park was given its official current name, Margaret I. Carman Green-Weeping Beech. Margaret I. Carman (1890-1976) was a Flushing High School teacher who created the Flushing Freedom Trail to link the area's rich heritage through its landmarks.

The most recent changes to the park were in 2012, when the eastern side of the project site was reconfigured to eliminate the wading pool, see saws, and sand pits, and create the present playgrounds, spray showers, and natural areas. These changes are shown in Appendix E.

C. Archaeological Sites and Surveys

Research conducted using materials from the NYSOPRHP, the LPC, and the library of HPI revealed no Indigenous Precontact period archaeological resources specifically mapped within the project site. The Bowne House Archaeological Deposits site is located immediately south of the project site, however. Several other archaeological sites also have been documented within a one mile radius of project site, including a number of historic period cemeteries. The sites are listed in Table 3, below.

Table 3: Archaeological sites within a one mile radius of the project site

Site Number	Site Name	Distance from the project site	Site Type/Time Period
NYSM 4524	Linnean Garden?	Ca. 0.3 mile west	Historic with human remains
NYSM 4525		Ca. 0.9 mile east	Indigenous Precontact with human remains
NYSM 4526	Matinicocks' Settlements	Ca. 0.3 mile east	Indigenous Precontact village
NYSM 4542		Ca. 0.3 mile northwest	Indigenous Precontact Camp
08101.000133	Grantville Site	Ca. 1 mile northwest	Early-Late Woodland
08101.011356	Flushing Friends Meeting House Archaeological Site	Ca. 0.3 mile west	Historic period with human remains
08101.011370	Flushing Friends Meeting House Prehistoric Site	Ca. 0.3 mile west	Middle Woodland Period artifacts
08101.011590	Bowne House Archaeological Deposits	Adjoining to south	Historic period domestic site
08101.013320	Linnean Garden	Ca. 0.4 mile northwest	Historic with human remains
08101.014045	Bloodgood Family Cemetery	Ca. 0.4 mile southwest	Historic cemetery
08101.014046	Peck Family Cemetery	Ca. 0.4 mile southwest	Historic cemetery

Site Number	Site Name	Distance from the project site	Site Type/Time Period
08101.014047	Saint George's Church Cemetery (Flushing)	Ca. 0.4 mile southwest	Historic cemetery
08101.014048	Methodist Church of Flushing	Ca. 0.2 mile southwest	Historic cemetery
08101.014049	Friends Meeting House Cemetery	Ca. 0.3 mile west	Historic cemetery
08101.014050	Macedonia African Methodist Episcopal Church Cemetery, Location 1	Ca. 0.2 mile southwest	Historic cemetery
08101.014051	Macedonia African Methodist Episcopal Church Cemetery, Location 2	Ca. 0.2 mile southwest	Historic cemetery
08101.014052	Bowne-Parsons Family Cemetery, Location 1	Ca. 0.2 mile southeast	Historic cemetery
08101.014053	Bowne-Parsons Family Cemetery, Location 2	Ca. 0.2 mile southeast	Historic cemetery
08101.014054	Saint Michael's Roman Catholic Church Cemetery	Ca. 0.3 mile southwest	Historic cemetery

Additionally, Archaeologist/Historian Robert S. Grumet noted the presence of an Indigenous trail along modern Northern Boulevard, located on the north side of the project site block (Grumet 1981). Last, the NYSOPRHP GIS database identifies the project site as within an area of archaeological sensitivity, based on proximity to other known sites, as does the archaeological sensitivity study of Queens prepared for the LPC (Boesch 1997).

In addition to the previously recorded archaeological sites, there have been a number of archaeological surveys completed within a one-mile radius of the project site. The closest archaeological surveys have been for the Bowne House, located immediately south of the project site (e.g. Cece 1985, Moore 2000, HPI 2012a, Chrysalis 2015). Additional archaeological work is being completed at the Bowne House in 2025 by Chrysalis, although no report has been produced yet. On Block 5014, one block to the east of the project site and also within the former Parsons nursery holdings, Phase IA and Phase IB studies were conducted for the Flushing Manor Geriatric Center (Grossman and Associates 1993a, 1993b). Two blocks to the west, several archaeological studies have been conducted on and adjacent to the property of the Friends Meeting House and cemetery (Boesch 2008, HPI 2009, 2012b). Additional archaeological studies in the Flushing neighborhood have included the Downtown Flushing Rezoning project (Geismar 1996), the Flushing Center project (HPI 1988a, 1988b), the Queens Crossing project (HPI 2004), the Flushing Bay Ecosystem Restoration Project (Panamerican 2003), P.S. 242 (Bergoffen 1999, Greenhouse 2000), work at the Queens Botanical Garden (AKRF 2021), work related to LaGuardia Airport (Richard Grubb Associates 2019, 2020), a project at 136-21 Roosevelt Avenue (Greenhouse 1997), and a project at 37-16 Union Street (AKRF 2024).

V. CONCLUSIONS AND RECOMMENDATIONS

HPI presents the following conclusions as to potential archaeological sensitivity at Weeping Beech Park for Indigenous Precontact and historic period resources.

From what is known of Indigenous Precontact period settlement patterns in New York City, most habitation and processing sites are found in sheltered, well-drained, elevated sites close to wetland features, major waterways, and with nearby sources of fresh water. The project site was at one time within approximately 1200 feet of a freshwater source, and is on a level landform. Prior to earthmoving associated with development of the project site, the soils likely were well-drained. The nearest previously recorded Indigenous Precontact site was at the Friends Meeting House, approximately 0.3 mile to the west, and which was considerably closer to a natural water source. In addition,

the previous archaeological field investigations at both the Bowne House property immediately to the south of the project site and the Flushing Manor Geriatric Center one block to the east of the project site failed to recover any Indigenous Precontact artifacts. Finally, there has been very significant disturbance to the natural ground surface on the project site from earlier roadway, residential and parkland construction, as well as demolition of the former residences and the installation of subsurface utilities. Based on all of these factors, HPI concludes that the project site has a low sensitivity for Indigenous Precontact archaeological resources.

The project site was formerly part of the large Bowne family farm holdings. The Bowne House itself is located immediately south of the project site, and ongoing archaeological field investigations have recovered significant features and artifact collections associated with the occupation of the house from the 1660s through the twentieth century. The front of the Bowne House faces to the south, and the rear of the house faces to the north, suggesting that the project site may have at one time been used as an extension of the rear yard of the house. It is possible that there could have been shaft features, outbuildings, and/or artifact deposits associated with the Bowne House within the project site. From the 1830s through the 1870s, historic maps showed that the project site was part of the large Parsons & Co. nursery and commercial gardens, although no buildings or structures were depicted on the property, and it is less likely the project site was used for domestic purposes during that period. During the first half of the twentieth century, the project site contained large residences and associated outbuildings fronting Bowne Street and the former Fox Lane, which were demolished in order to construct Weeping Beech Park. The locations of these former buildings in relation to the current park features is shown on Figure 14.

Given the very significant disturbance to the natural ground surface described above, HPI concludes that while the project site may have once had a high sensitivity for historic period archaeological resources associated with the Bowne House and the commercial nursery, this sensitivity has been greatly diminished. Archaeological excavations at the Bowne House property have indicated that most resources were located just below the existing ground surface, and in many cases sterile subsoil was recorded ranging from 1-2 feet below the ground surface. The known disturbance to the project site very likely has destroyed the majority of any potential archaeological resources that once may have existed on the property. The possible exception could be remains from deeper shaft features, which could have been truncated beneath the disturbed soils, or potential deeper foundations of unknown outbuildings from this period. However, the locations of any potential deeper resources cannot be predicted with any certainty due to the absence of lot lines in the Colonial and Early American eras.

Based on these conclusions, HPI recommends that an Unanticipated Discoveries Plan be created for the project site that will provide a response mechanism in case any deeply buried archaeological resources such as shaft features or foundations are discovered during park reconstruction. Although not expected, as a precaution and as is frequently implemented in New York City, the Unanticipated Discoveries Plan should also include a section addressing the protocols for the recovery of human remains. The Unanticipated Discoveries Plan should be created in accordance with the LPC *Guidelines* (2018) for archaeology in New York City and the New York State Unmarked Burial Protection Act (2023).

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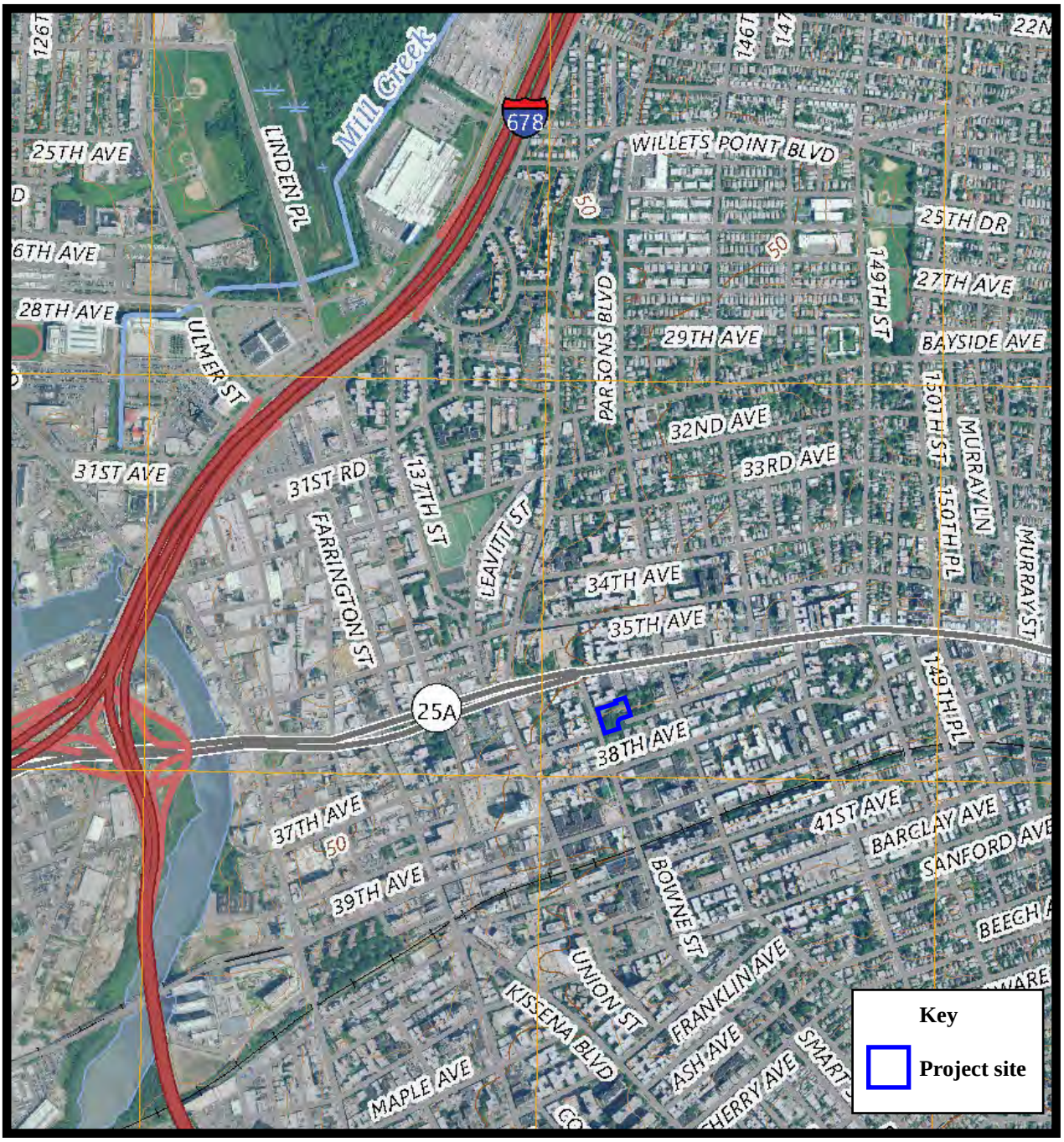
FIGURES



Phase IA Archaeological Documentary Study
Weeping Beech Park Playground Reconstruction
Flushing, Queens County, New York

Figure 1: Project site on *Flushing, New York* 7.5 Minute Quadrangle (U.S.G.S. 2023).

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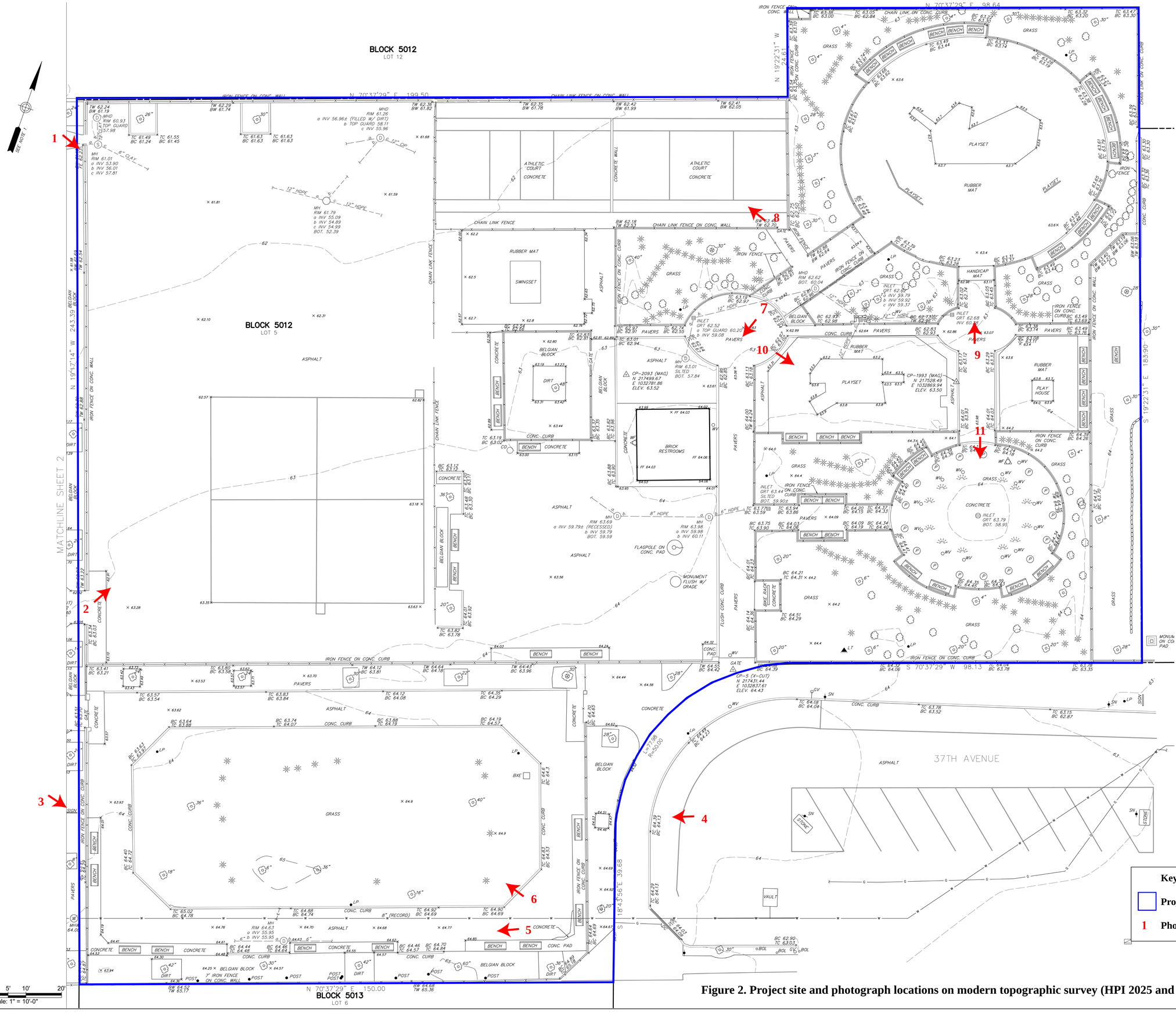

Figure 2. Project site and photograph locations on modern topographic survey (HPI 2025 and Parks 2025).

CITY OF NEW YORK
PARKS & RECREATION
OLMSTED CENTER
FLUSHING MEADOWS CORONA PARK
FLUSHING, NEW YORK 11368

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THÉRÈSE BRADDICK
DEPUTY COMMISSIONER, CAPITAL PROJECTS

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ALLAIRE O'CONNOR, PE
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CONSULTANTS:

N/A

NO.	DATE	REVISION

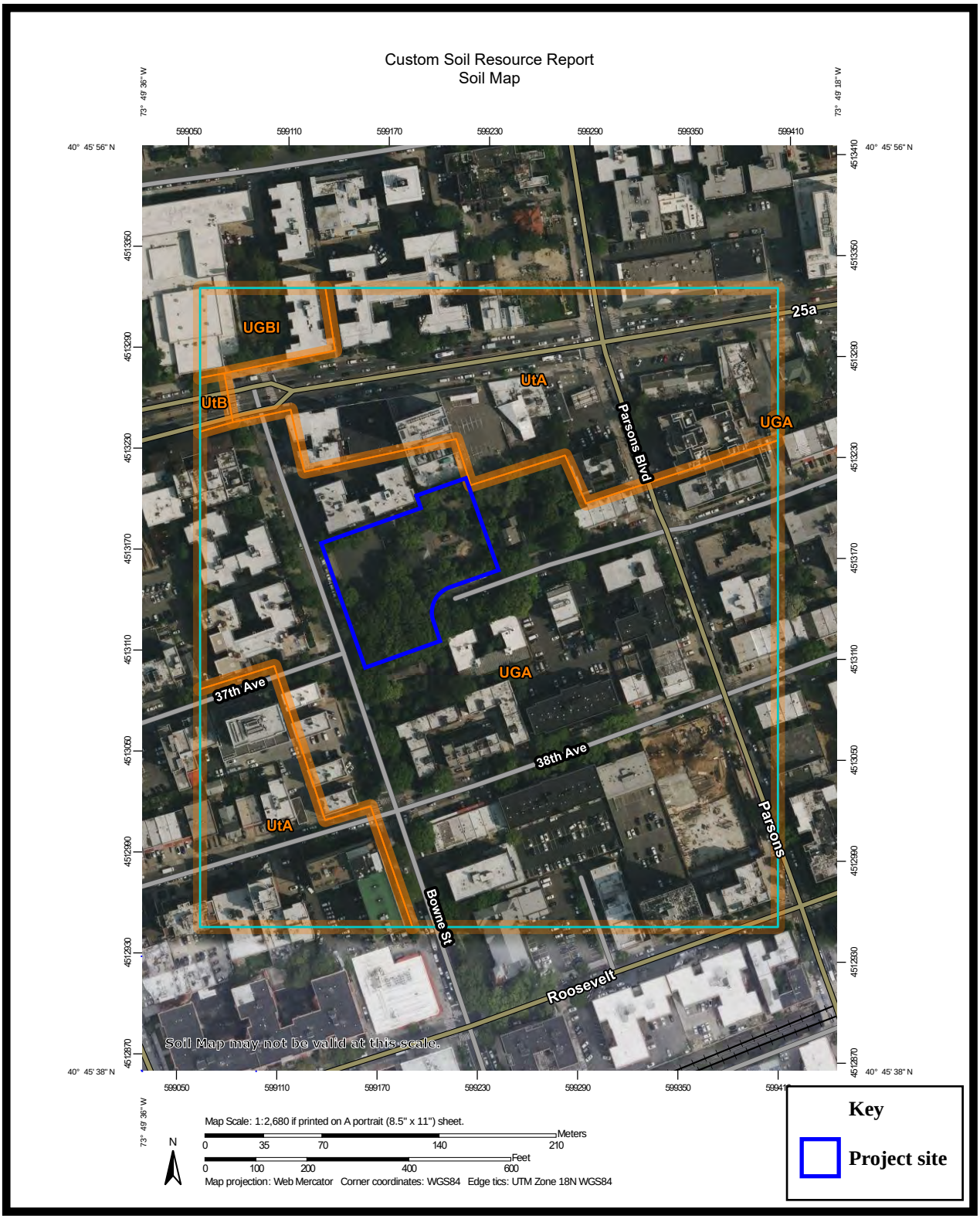
PROJECT MANAGER/DEPUTY DIRECTOR: OLIVIA LIU-IRELAND, RLA / STACIA TULL, RLA
DISCIPLINE LEAD: XXX
DESIGNER: XXX
DRAFTED BY: XXX
CHECKED BY: XXX
CONTRACT NO.: Q022-224M
DATE: 01/13/2025

PROJECT TITLE:
WEEPING BEECH PARK
MULTI-PURPOSE PLAY AREA
RECONSTRUCTION
ADDRESS: BOWNE STREET AND 37TH AVEUNE
BLOCK: 5012 LOT: 5

RESERVED FOR PLAN EXAMINER'S STAMPS

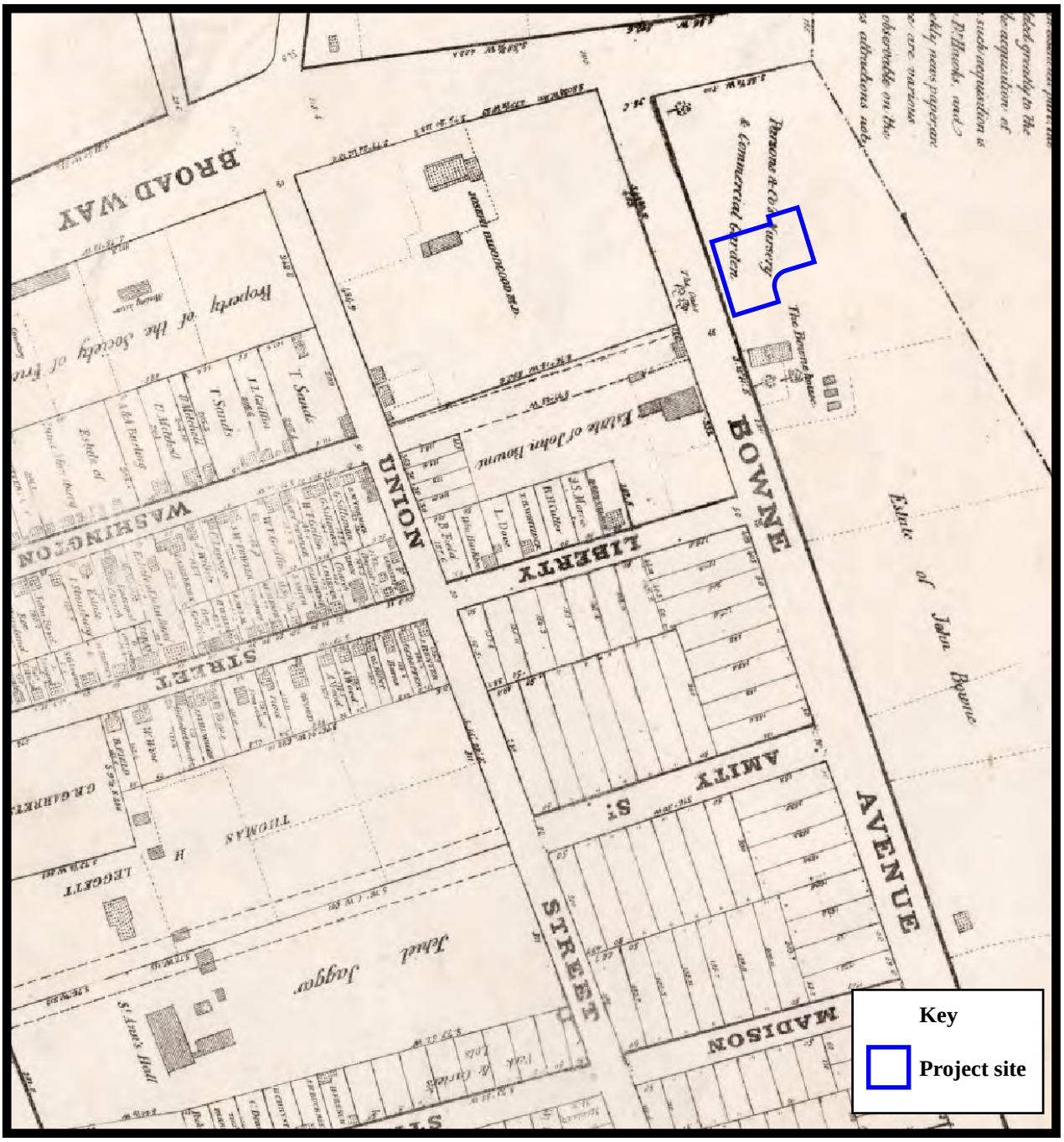
DRAWING TITLE:
TOPOGRAPHIC SURVEY - 1

DRAWING NO.: V-101.00
SHEETS IN CONTRACT SET:
SHEET 03 OF 20



Phase IA Archaeological Documentary Study
Weeping Beech Park Playground Reconstruction
Flushing, Queens County, New York

Figure 3: Project site on web soil survey (U.S.D.A. 2025).



Phase IA Archaeological Documentary Study
Weeping Beech Park Playground Reconstruction
Flushing, Queens County, New York

Figure 4: Project site on *Map of the Village of Flushing, Queens County, L.I.* (Smith 1841).

0 200 400 600 800 1000 FEET

Phase IA Archaeological Documentary Study
Weeping Beech Park Playground Reconstruction
Flushing, Queens County, New York

Figure 5: Project site on *Map of Kings and Part of Queens Counties, Long Island, N.Y.* (Conner 1852).

0 400 800 1200 1600 2000 FEET

Phase IA Archaeological Documentary Study
Weeping Beech Park Playground Reconstruction
Flushing, Queens County, New York

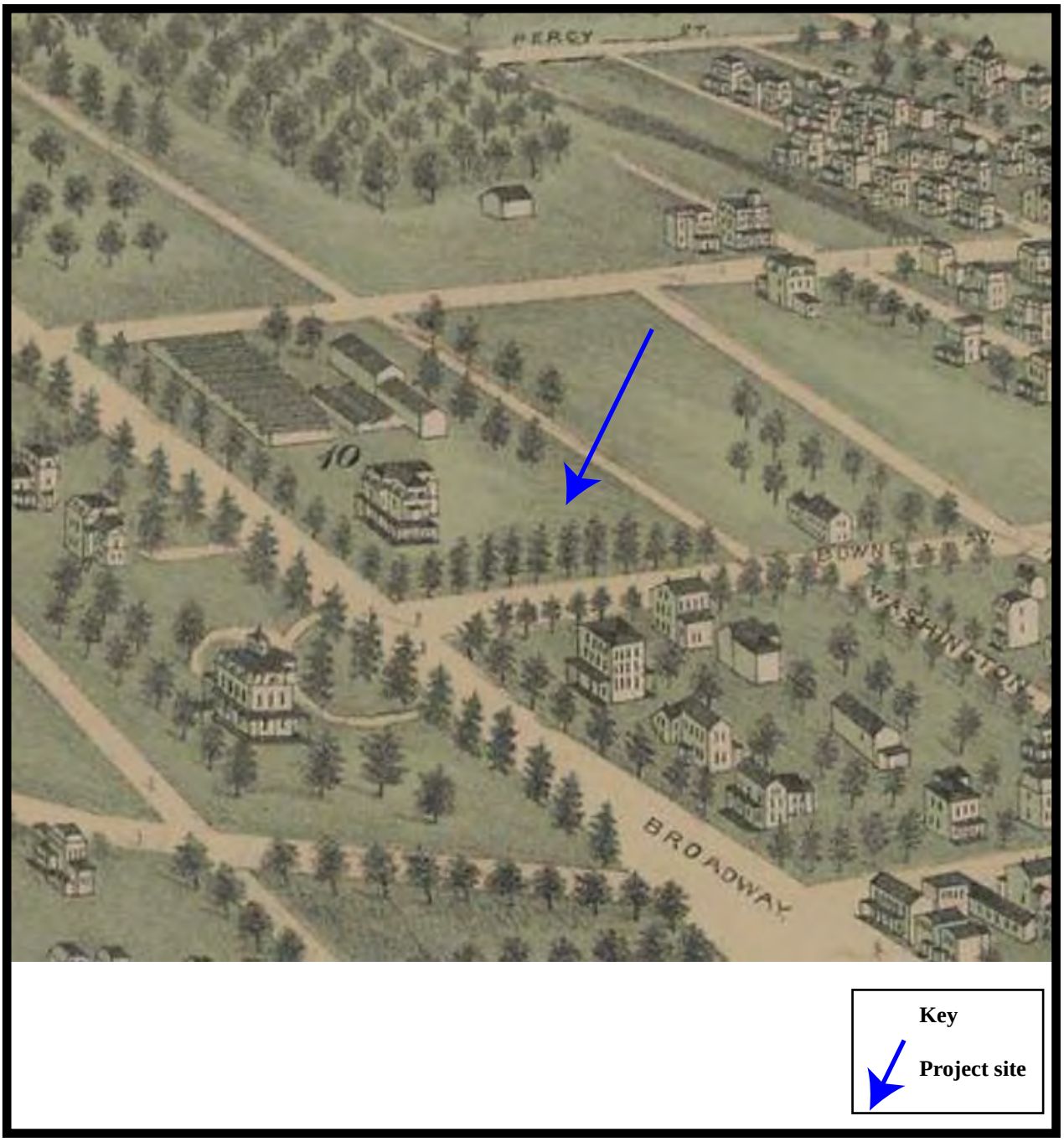
Figure 6: Project site on *Map of Flushing Village, County of Queens, L.I.* (Hatheway 1854).

0 200 400 600 800 1000 FEET

Phase IA Archaeological Documentary Study
Weeping Beech Park Playground Reconstruction
Flushing, Queens County, New York

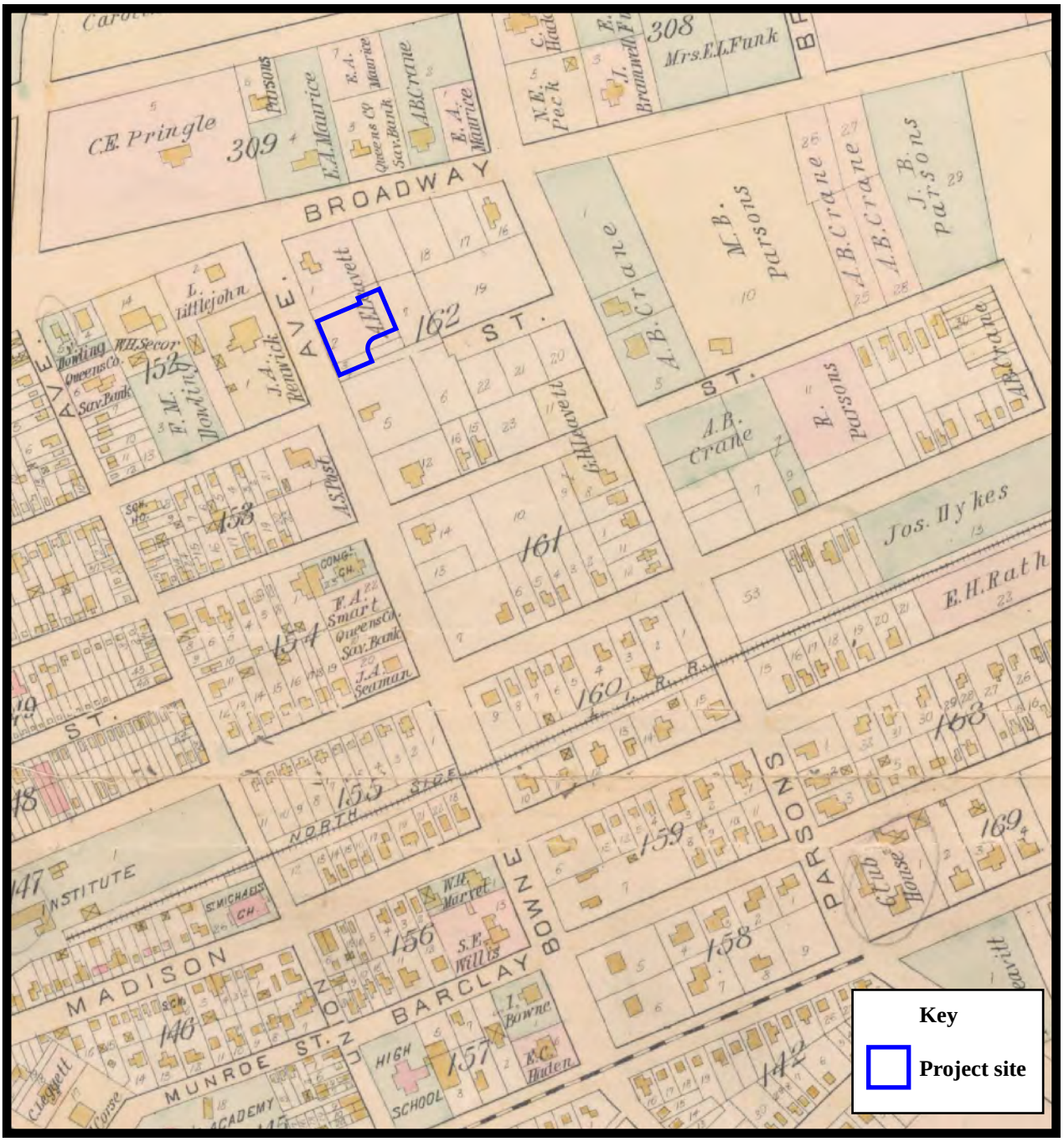
Figure 7: Project site on *Atlas of Long Island, New York* (Beers 1873).

0 200 400 600 800 1000 FEET



Phase IA Archaeological Documentary Study
Weeping Beech Park Playground Reconstruction
Flushing, Queens County, New York

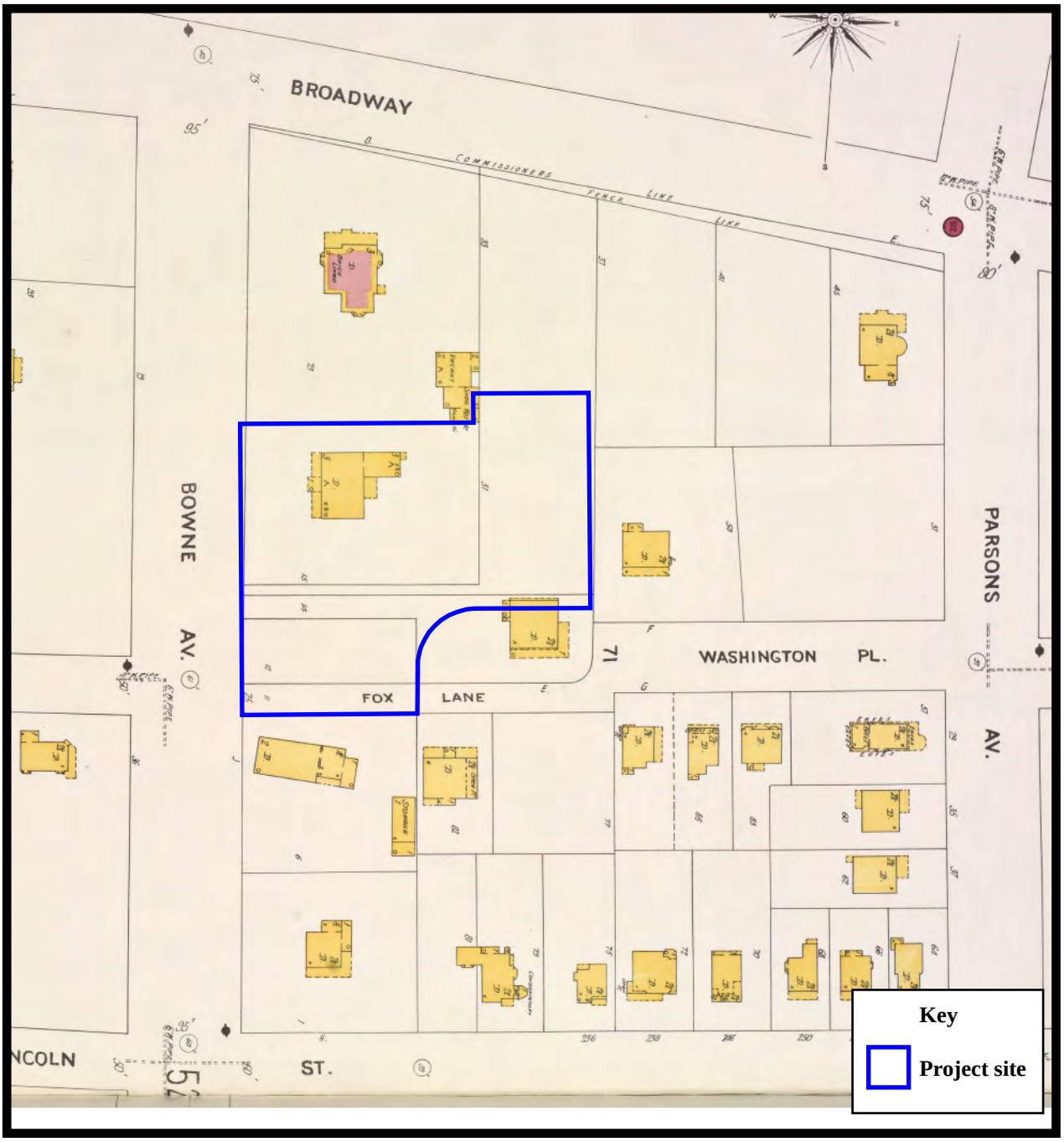
Figure 8: Project site on *Flushing, N.Y., Long Island* (Fowler 1876).
#10 = R.B. Parsons & Co. Nurseries.



Phase IA Archaeological Documentary Study
Weeping Beech Park Playground Reconstruction
Flushing, Queens County, New York

Figure 9: Project site on *Atlas of Queens County, New York* (Wolverton 1891).

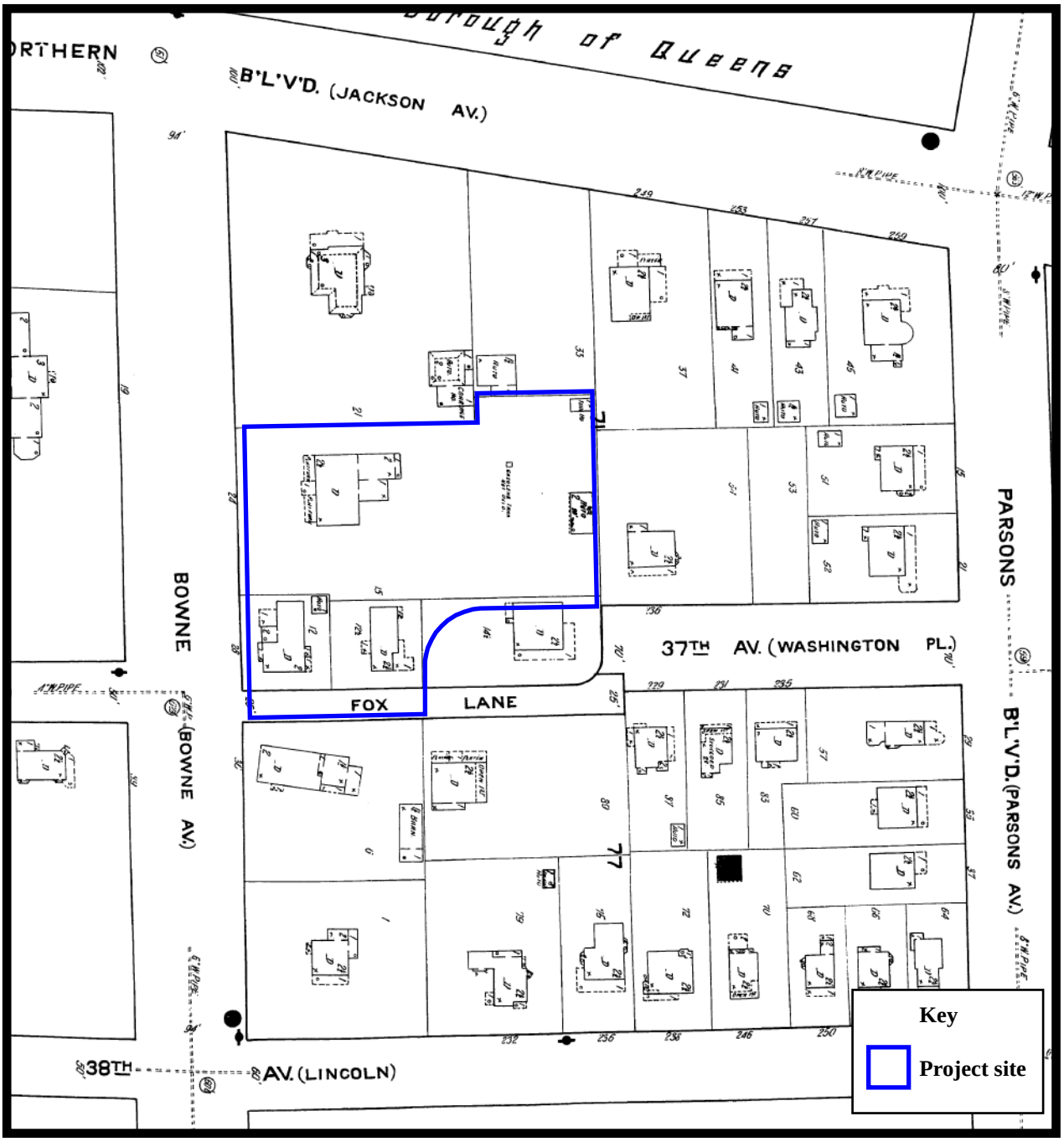
0 200 400 600 800 1000 FEET



Phase IA Archaeological Documentary Study
Weeping Beech Park Playground Reconstruction
Flushing, Queens County, New York

Figure 10: Project site on *Insurance Maps of the Borough of Queens, New York* (Sanborn 1903).

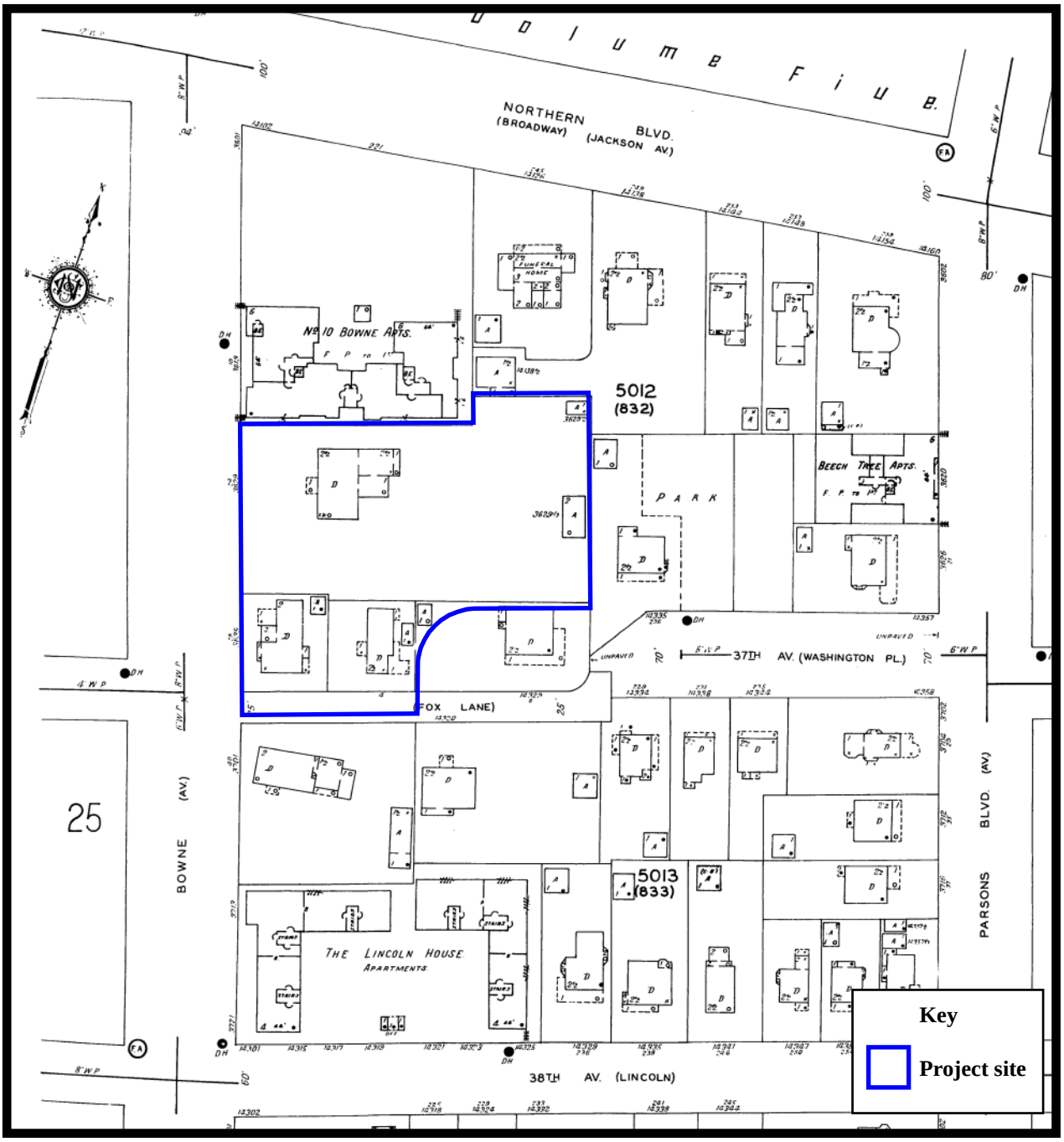
0 50 100 150 200 250 FEET



Phase IA Archaeological Documentary Study
Weeping Beech Park Playground Reconstruction
Flushing, Queens County, New York

Figure 11: Project site on *Insurance Maps of the Borough of Queens, New York* (Sanborn 1917).

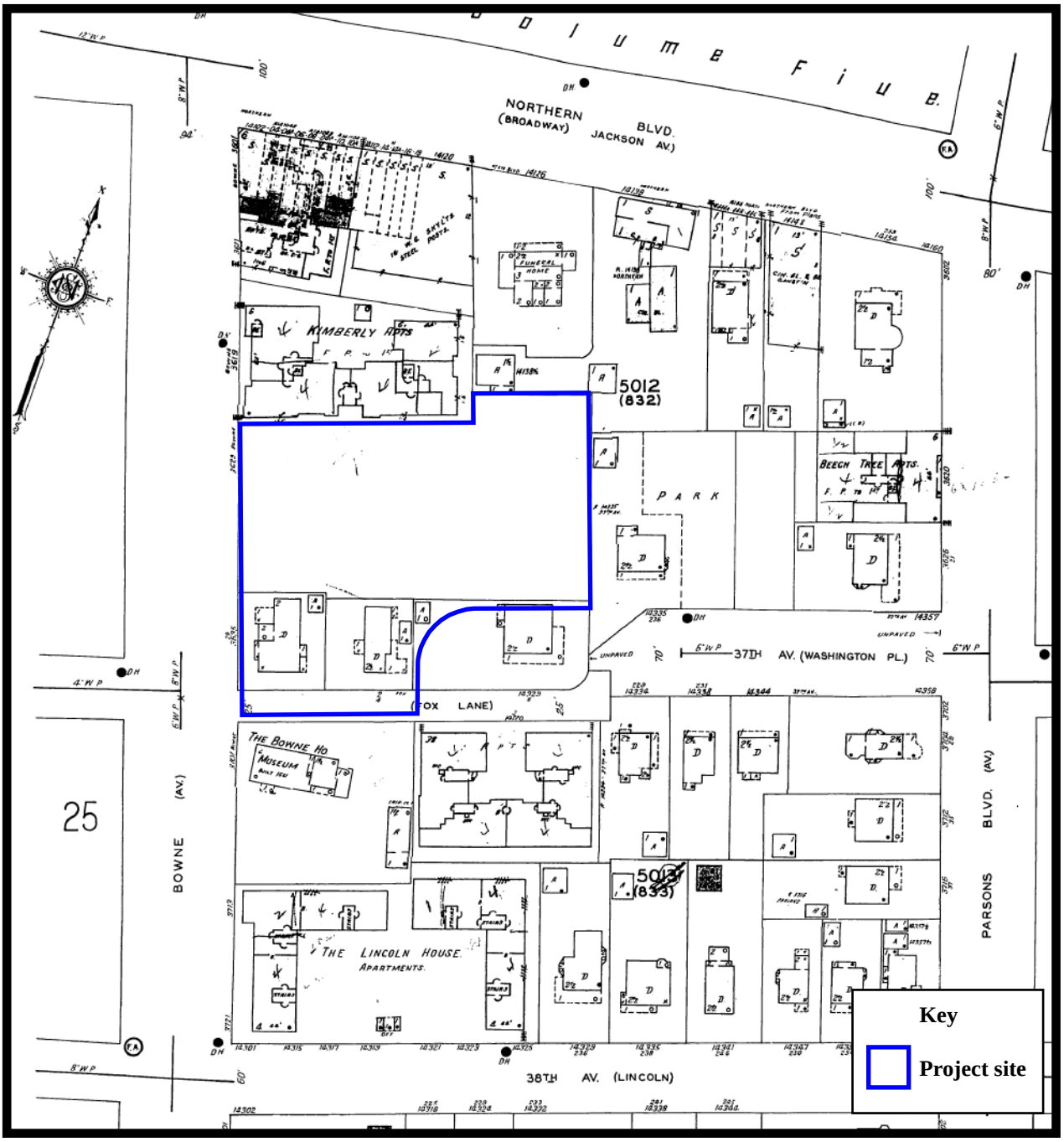
0 50 100 150 200 250 FEET



Phase IA Archaeological Documentary Study
Weeping Beech Park Playground Reconstruction
Flushing, Queens County, New York

Figure 12: Project site on *Insurance Maps of the Borough of Queens, New York* (Sanborn 1934).

0 50 100 150 200 250 FEET



Phase IA Archaeological Documentary Study
Weeping Beech Park Playground Reconstruction
Flushing, Queens County, New York

Figure 13: Project site on *Insurance Maps of the Borough of Queens, New York* (Sanborn 1951).

0 50 100 150 200 250 FEET

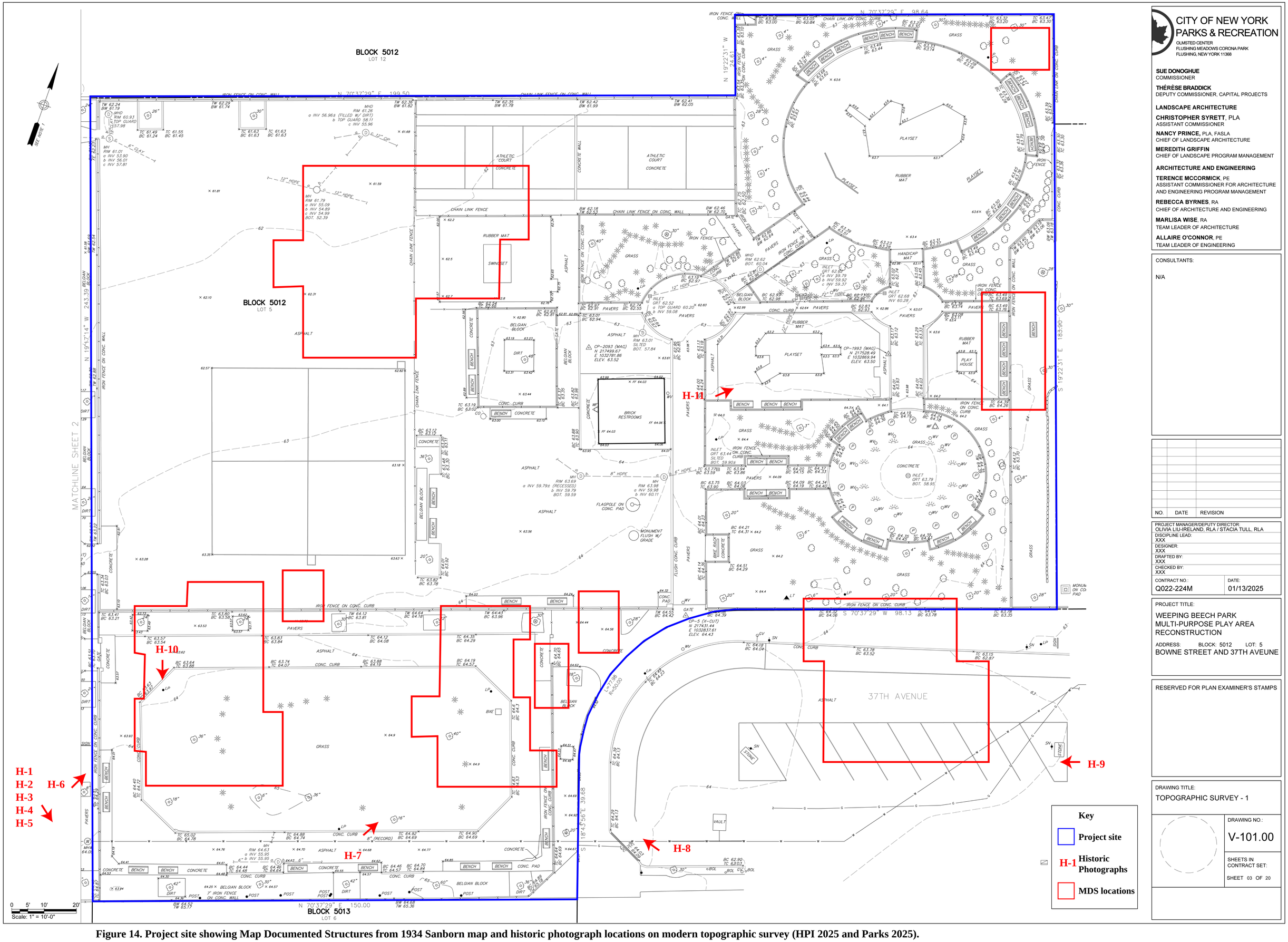


Figure 14. Project site showing Map Documented Structures from 1934 Sanborn map and historic photograph locations on modern topographic survey (HPI 2025 and Parks 2025).

CITY OF NEW YORK
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CONSULTANTS:

N/A

NO.	DATE	REVISION

PROJECT MANAGER/DEPUTY DIRECTOR:
OLIVIA LIU-IRELAND, RLA / STACIA TULL, RLA
DISCIPLINE LEAD:
XXX
DESIGNER:
XXX
DRAFTED BY:
XXX
CHECKED BY:
XXX

CONTRACT NO.: Q022-224M
DATE: 01/13/2025

PROJECT TITLE:
WEEPING BEECH PARK
MULTI-PURPOSE PLAY AREA
RECONSTRUCTION
ADDRESS: BOWNE STREET AND 37TH AVEUNE
BLOCK: 5012 LOT: 5

RESERVED FOR PLAN EXAMINER'S STAMPS

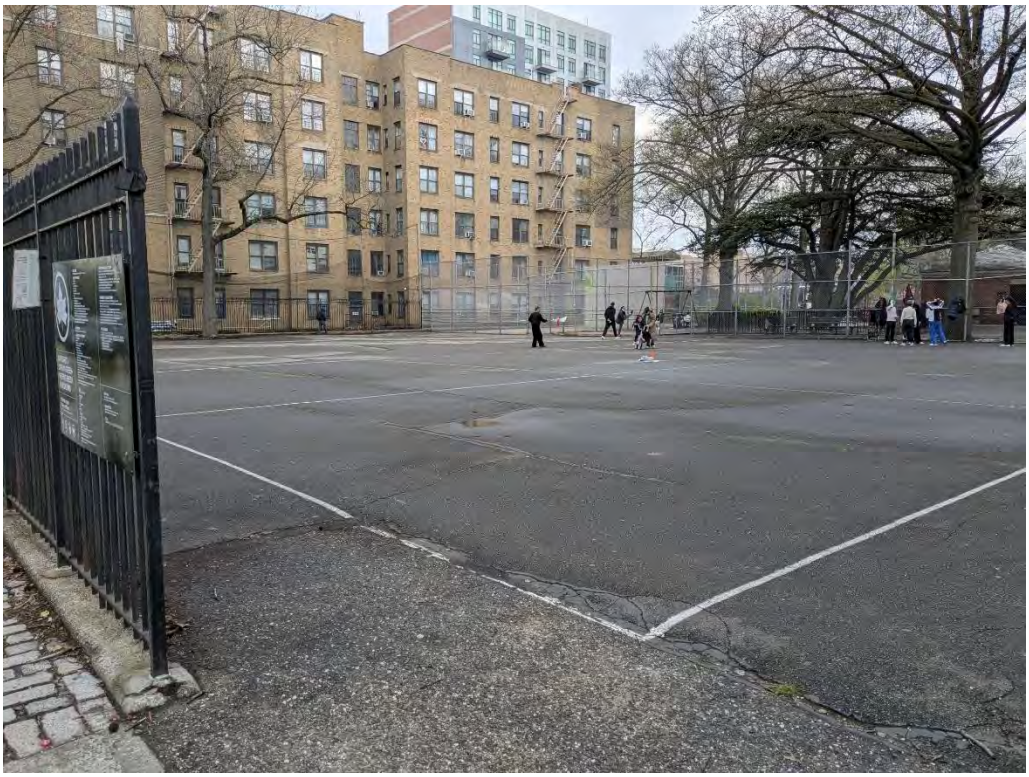
DRAWING TITLE:
TOPOGRAPHIC SURVEY - 1

DRAWING NO.:
V-101.00

SHEETS IN CONTRACT SET:
SHEET 03 OF 20

PHOTOGRAPHS (see Figure 2 for locations)

Photograph 1. The athletic court at the northwestern corner of the project site. View looking southeast from Bowne Street.


Photograph 2. The athletic court at the northwestern corner of the project site. View looking northeast from Bowne Street.

Photograph 3. The sitting area behind the fence that was once part of the Fox Lane active roadbed. The Bowne House is on the right. View looking southeast from Bowne Street.

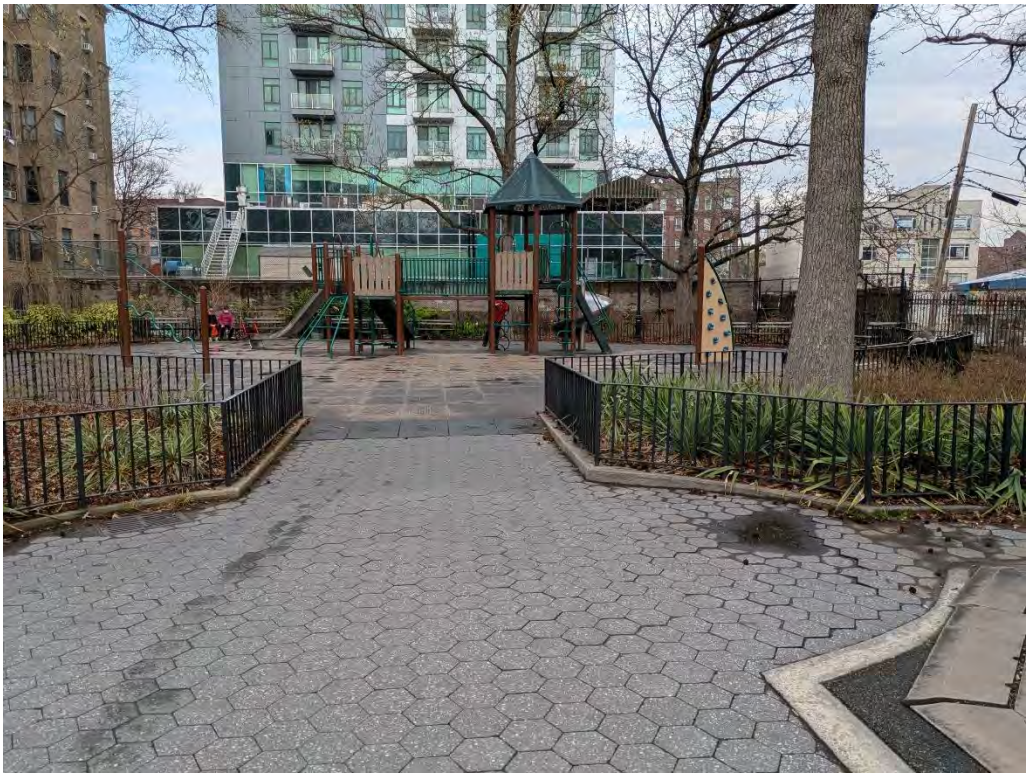
Photograph 4. The sitting area as seen from the dead end of 37th Avenue. The former Fox Lane roadway was on the left and there were former residences on the right. View looking southwest.

Photograph 5. Detail of the location of the former Fox Lane roadway. There are subsurface utilities running under the pathway that serviced the former residences previously located where the grassy area is shown on the right. View looking southwest with Bowne Street in the background.

Photograph 6. Detail of the parkland where the former residences were located. View looking northwest, with Bowne Street in the left background.

Photograph 7. The interior of the project site, showing the comfort station. 37th Avenue is in the left background. View looking southwest.

Photograph 8. The handball court at the northern end of the project site. View looking northwest.



Photograph 9. One of the playground areas at the northeastern end of the project site. This area previously contained a wading pool. View looking northwest.

Photograph 10. Another playground area, with the Queens County Historical Society's Kingsland Homestead building in the background. View looking southeast.

Photograph 11. The park's spray shower play area. View looking southeast, with 37th Avenue in the background.

APPENDIX A: SELECTED CURRENT PARK PROJECT PLANS

CITY OF NEW YORK PARKS & RECREATION

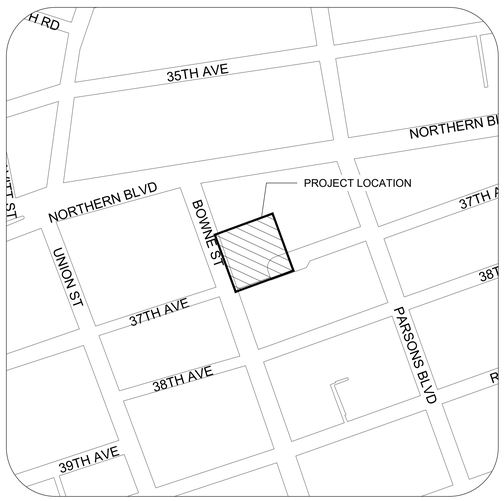
Parks

WEEPING BEECH PARK
MULTI-PURPOSE PLAY AREA RECONSTRUCTION

BOWNE STREET AND 37TH AVEUNE, FLUSHING

BOROUGH OF QUEENS

CONTRACT #: Q022-224M



LOCATION PLAN
NOT TO SCALE

NORTH

AERIAL PHOTO
NOT TO SCALE

NORTH

CAPITAL PROJECTS

OLMSTED CENTER
FLUSHING MEADOWS CORONA PARK
FLUSHING, NEW YORK, NY 11368

COMMISSIONER
SUE DONOGHUE

DEPUTY COMMISSIONER, CAPITAL PROJECTS
THÉRÈSE BRADDICK

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CHIEF OF LANDSCAPE PROGRAM MANAGEMENT
MEREDITH GRIFFIN

TEAM LEADER, BRONX
ANDREW PENZI, PLA

DESIGN DIRECTOR, BRONX
RENATA SOKOLOWSKI, PLA

TEAM LEADER, BROOKLYN
CHRISTOPHER SYRETT, PLA

DESIGN DIRECTOR, BROOKLYN
DENISE MATTES, PLA

TEAM LEADER, MANHATTAN
DESMOND SPILLANE

TEAM LEADER, QUEENS
ERIC MATTES, PLA

DESIGN DIRECTOR, QUEENS
JAMES MITUZAS, PLA

TEAM LEADER, STATEN ISLAND
ADRIAN SMITH, PLA

DESIGN DIRECTOR, STATEN ISLAND
STEPHEN HAMSON, PLA

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ASSISTANT COMMISSIONER FOR ARCHITECTURE AND ENGINEERING PROGRAM MANAGEMENT
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TEAM LEADER FOR ARCHITECTURE
MARLISA WISE, RA

TEAM LEADER FOR ENGINEERING
ALLAIRE O'CONNOR, PE

CONSTRUCTION

CHIEF OF CONSTRUCTION
PHILIP GRANITTO

CONSULTANTS:

COLLIERS ENGINEERING AND DESIGN

Q022-224M

SCOPE OF WORK SUMMARY

THIS PROJECT WILL RECONSTRUCT THE MULTIPURPOSE PLAY AREA AND THE PATHS IN MARGARET CARMAN GREEN AT WEEPING BEECH PARK.

STANDARD DETAILS USED

SHEET TITLE	DETAIL SHEET NO.	REVISION DATE
CONSTRUCTION SIGN	TYLA /146-R10 - #1	09/01/2020
DRAINAGE DETAILS - NO. 1	TYLA /146-R10 - #2	09/01/2020
DRAINAGE DETAILS - NO. 2	TYLA /146-R10 - #3	09/01/2020
STORMWATER MANAGEMENT DETAILS	TYLA /146-R10 - #4	09/01/2020
PARKS LEAF MANHOLE AND CATCH BASIN COVERS	TYLA /146-R10 - #5	09/01/2020
WATER SUPPLY DETAILS	TYLA /146-R10 - #7	09/01/2020
RPZ AND WATERMETER DETAIL FOR SITEWORK	TYLA /146-R10 - #8	09/01/2020
DRINKING FOUNTAIN - TYPE 'E'	TYLA /146-R10 - #12	09/01/2020
DRINKING FOUNTAIN - TYPE 'F'	TYLA /146-R10 - #13	09/01/2020
BOTTLE FILLER	TYLA /146-R10 - #14	09/01/2020
PAVEMENT DETAILS - NO. 1	TYLA /146-R10 - #15	09/01/2020
PAVEMENT DETAILS - NO. 2	TYLA /146-R10 - #16	09/01/2020
CURBS AND PIERS	TYLA /146-R10 - #17	09/01/2020
CURBS, RAMPS, MISCELLANEOUS DETAILS	TYLA /146-R10 - #18	09/01/2020
STEEL FLAGPOLE - 45' HIGH	TYLA /146-R10 - #19	09/01/2020
FLAGPOLE FOUNDATION	TYLA /146-R10 - #20	09/01/2020
CONCRETE AND STEEL GAME TABLE	TYLA /146-R10 - #21	09/01/2020
CONCRETE GAME TABLE LAYOUT AND BICYCLE RACK	TYLA /146-R10 - #22	09/01/2020
BENCH 1939 WORLDS FAIR	TYLA /146-R10 - #23	09/01/2020
BENCH, TYPE 'B'	TYLA /146-R10 - #24	09/01/2020
BENCH, TYPE 'B' - BACKLESS	TYLA /146-R10 - #25	09/01/2020
BENCH, 1964 WORLD'S FAIR	TYLA /146-R10 - #27	09/01/2020
PICNIC TABLE - FIXED	TYLA /146-R10 - #28	09/01/2020
CHAIN LINK FENCE - DETAILS	TYLA /146-R10 - #29	09/01/2020
CHAIN LINK FENCE - SPECIAL CONDITIONS	TYLA /146-R10 - #30	09/01/2020
CHAIN LINK FENCE - SINGLE GATE	TYLA /146-R10 - #31	09/01/2020
CHAIN LINK FENCE - DOUBLE GATE	TYLA /146-R10 - #32	09/01/2020
STEEL FENCE DETAILS	TYLA /146-R10 - #33	09/01/2020
2'-6" HT. / 3'-0" HT. STEEL FENCE AND WICKET FENCE	TYLA /146-R10 - #34	09/01/2020
4'-0" HT. STEEL FENCE	TYLA /146-R10 - #35	09/01/2020
7'-0" HT. STEEL FENCE AND GATES	TYLA /146-R10 - #36	09/01/2020
PIPE RAIL FENCE	TYLA /146-R10 - #37	09/01/2020
STEEL GUIDE RAIL - BOLLARD DETAILS	TYLA /146-R10 - #38	09/01/2020

LIST OF DRAWINGS

SHEET NO.	DRAWING NO.	DRAWING TITLE
01	T-001	TITLE SHEET
02	G-001	GENERAL INFO AND NOTES
03	V-101	TOPOGRAPHIC SURVEY - 1
04	V-102	TOPOGRAPHIC SURVEY - 2
05	L-101	TREE PROTECTION SCHEDULE AND NOTES
06	L-102	TREE PROTECTION, STAGING AND ACCESS PLAN
07	L-103	REMOVALS PLAN
08	L-201	MATERIALS PLAN
09	L-202	LAYOUT PLAN - UTILITIES
10	L-203	LAYOUT PLAN - CURBS AND PAVEMENT
11	L-204	LAYOUT PLAN - SITE FURNISHINGS
12	L-205	GRADING PLAN
13	L-206	PLANTING PLAN
14	L-401	ENLARGEMENT PLAN - FITNESS EQUIPMENT AND SWINGS
15	L-501	SITE DETAILS - 1
16	L-502	SITE DETAILS - 2

CITY OF NEW YORK
PARKS & RECREATION

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CONSULTANTS:

N/A

NO.	DATE	REVISION

PROJECT MANAGER/DEPUTY DIRECTOR:
OLIVIA LIU-IRELAND, RLA / STACIA TULL, RLA

DISCIPLINE LEAD:
JAMES MITUZAS, RLA

DESIGNER:
OLIVIA LIU-IRELAND, RLA

DRAFTED BY:
OLIVIA LIU-IRELAND, RLA

CHECKED BY:
STACIA TULL, RLA

CONTRACT NO.:
Q022-224M

DATE:
01/13/2025

PROJECT TITLE:

WEEPING BEECH PARK
MULTI-PURPOSE PLAY AREA
RECONSTRUCTION

ADDRESS: BLOCK: 5012 LOT: 5
BOWNE STREET AND 37TH AVEUNE

RESERVED FOR PLAN EXAMINER'S STAMPS

DRAWING TITLE:

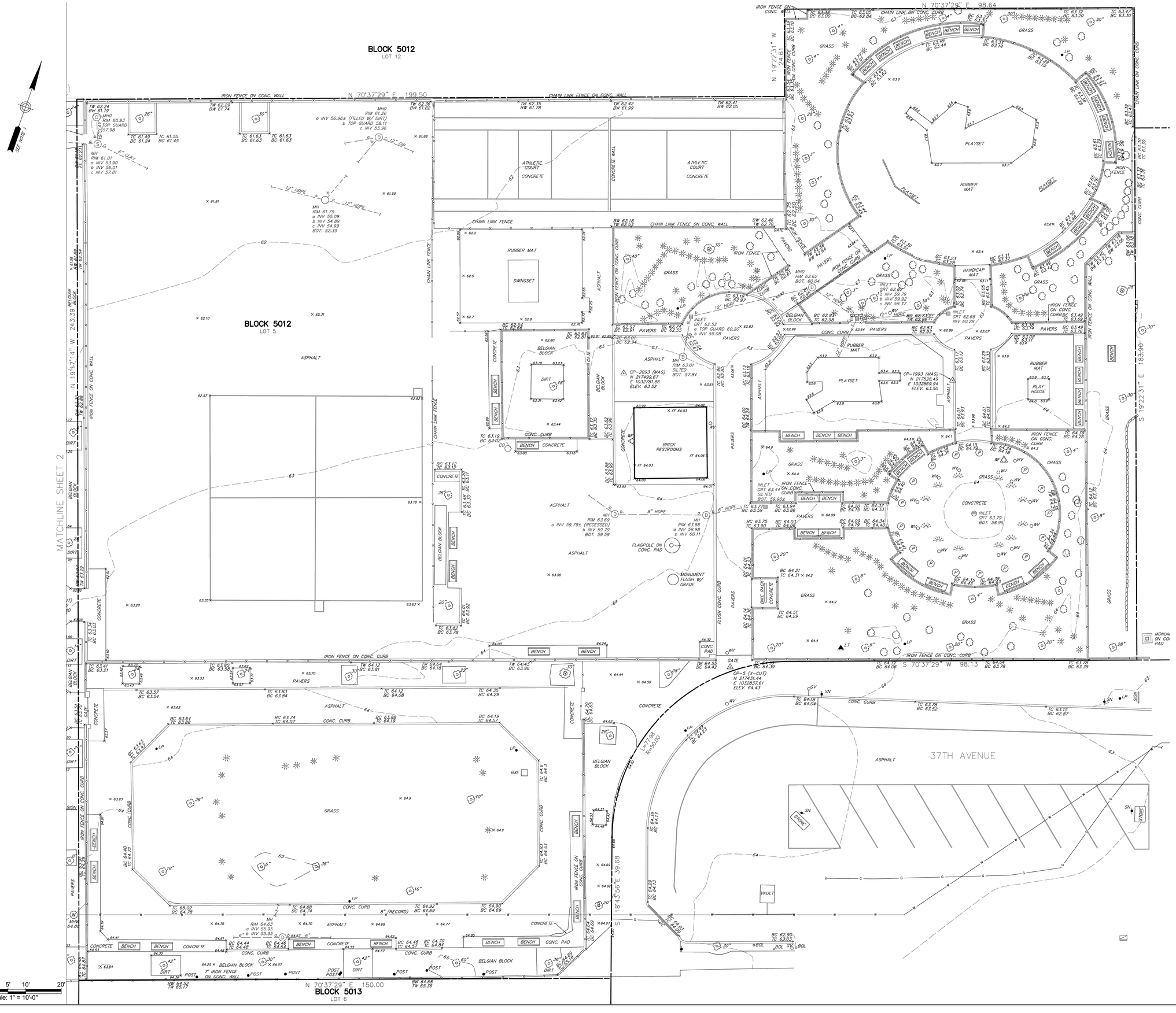
GENERAL INFO AND NOTES

DRAWING NO.:

G-001.00

SHEETS IN CONTRACT SET:

SHEET 02 OF 20



CITY OF NEW YORK
PARKS & RECREATION
OLMSTED CENTER
FLUSHING MEADOWS CORONA PARK
FLUSHING, NEW YORK 11368

SUE DONOGHUE
COMMISSIONER

THÉRÈSE BRADDICK
DEPUTY COMMISSIONER, CAPITAL PROJECTS

LANDSCAPE ARCHITECTURE

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ALLAIRE O'CONNOR, PE
TEAM LEADER OF ENGINEERING

CONSULTANTS:

N/A

NO.	DATE	REVISION

PROJECT MANAGER/DEPUTY DIRECTOR: OLIVIA LIU-IRELAND, RLA / STACIA TULL, RLA
DISCIPLINE LEAD: XXX
DESIGNER: XXX
DRAFTED BY: XXX
CHECKED BY: XXX
CONTRACT NO.: Q022-224M
DATE: 01/13/2025

PROJECT TITLE:

WEEPING BEECH PARK MULTI-PURPOSE PLAY AREA RECONSTRUCTION

ADDRESS: BOWNE STREET AND 37TH AVEUNE
BLOCK: 5012
LOT: 5

RESERVED FOR PLAN EXAMINER'S STAMPS

DRAWING TITLE:
TOPOGRAPHIC SURVEY - 1

DRAWING NO.: V-101.00

SHEETS IN CONTRACT SET:
SHEET 03 OF 20

ABBREVIATIONS

AC	– AIR CONDITIONER	HDPE	– HIGH DENSITY POLYETHYLENE PIPE
BC	– BOTTOM OF CURB	HDW	– HANDICAP DETECTABLE WARNING MAT
BW	– BOTTOM OF WALL	LT	– LIGHT
BLDG	– BUILDING	LP	– LIGHT POLE
BOL	– BOLLARD	MH	– MANHOLE
BXE	– ELECTRIC UTILITY BOX	MHW	– MANHOLE WATER
CONC.	– CONCRETE	P&R	– POST AND RAIL
CP	– CONTROL POINT	RCP	– REINFORCED CONCRETE PIPE
DC	– DEPRESSED CURB	SN	– SIGN
ELEC.	– ELECTRIC	TC	– TOP OF CURB
EOP	– EDGE OF PAVEMENT	TW	– TOP OF WALL
FF	– FINISHED FLOOR	WF	– WATER FOUNTAIN
GRT	– GRATE	WV	– WATER VALVE
GV	– GAS VALVE		
INV	– INVERT		

GENERAL NOTES

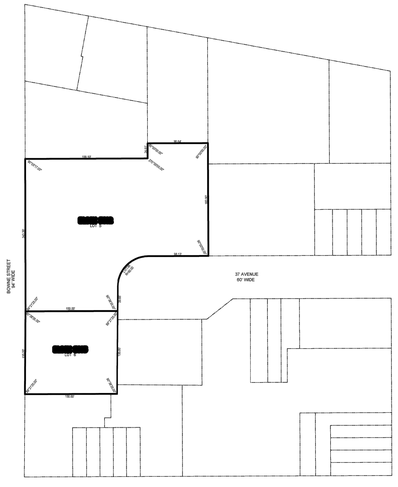
1. COORDINATES AND BEARINGS ARE BASED ON NEW YORK STATE PLANE COORDINATE SYSTEM LONG ISLAND ZONE (NAD83) AS DETERMINED BY GPS OBSERVATIONS.
2. ELEVATIONS ARE BASED ON NAVD1988 DATUM AS DETERMINED BY GPS OBSERVATIONS.
3. THIS SURVEY REFLECTS CONDITIONS AS SURVEYED BY MFS BETWEEN MARCH 6, 2024 AND MARCH 27, 2024.
4. A LIMITED QUALITY LEVEL C UTILITY SURVEY WAS PERFORMED. UTILITIES SHOWN ON THIS SURVEY ARE BASED ON THE LOCATION OF SURFACE UTILITY HARDWARE SUCH AS MANHOLES, VALVE COVERS, CATCH BASINS AND OTHER UTILITY STRUCTURES INCLUDING PIPE INVERTS OBTAINED IN THE FIELD BY MFS. THIS SURVEY WAS PERFORMED WITH LIMITED UTILITY RECORDS. THE USERS OF THIS INFORMATION SHOULD USE CAUTION WHERE AS MFS CANNOT GUARANTEE THAT ALL EXISTING UTILITIES AND SUBSTRUCTURES, WHETHER FUNCTIONAL, OR ABANDONED, ARE SHOWN ON THIS MAP.
5. UNAUTHORIZED ALTERATION OR ADDITION TO A SURVEY MAP BEARING A LICENSED LAND SURVEYOR'S SEAL IS A VIOLATION OF SECTION 7209, SUB–DIVISION 2, OF THE NEW YORK STATE EDUCATION LAW.
6. ONLY COPIES FROM THE ORIGINAL OF THIS SURVEY MARKED WITH AN ORIGINAL OF THE LAND SURVEYOR'S EMBOSSED SEAL SHALL BE CONSIDERED TO BE VALID TRUE COPIES.

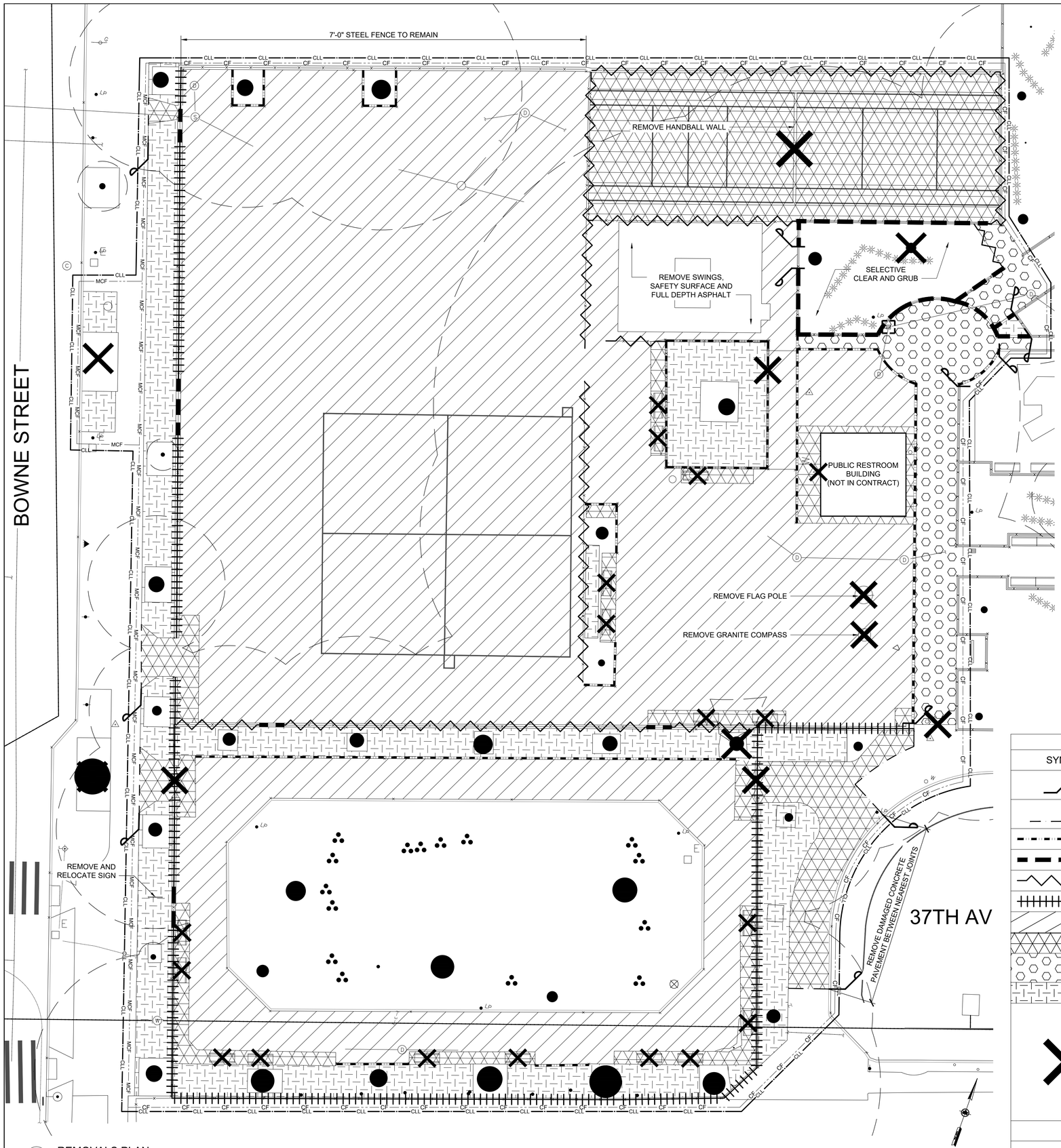
RECORD DOCUMENTS:

1. SEWER MAPPING BY NEW YORK CITY DEPARTMENT OF ENVIRONMENTAL PROTECTION, BUREAU OF WATER AND SEWER OPERATIONS, 59–17 JUNCTION BOULEVARD, 3RD FLOOR, CORONA, NY 11373–5180 AND DATED FEBRUARY 21, 2024.
2. WATER MAPPING BY NEW YORK CITY DEPARTMENT OF ENVIRONMENTAL PROTECTION, BUREAU OF WATER AND SEWER OPERATIONS, 59–17 JUNCTION BOULEVARD, 3RD FLOOR, CORONA, NY 11373–5180 AND DATED FEBRUARY 21, 2024.

LEGEND

- DECORATIVE BELGIAN BLOCK
- COMMUNICATION LINE
- FENCE LINE
- DRAINAGE LINE
- ELECTRIC LINE (APPROXIMATE LOCATION AS PER RECORD DOCUMENT)
- WATER LINE (APPROXIMATE LOCATION AS PER RECORD DOCUMENT)
- GAS LINE
- DEPRESSED CURB
- BUILDING LINE
- PAINTED LINE
- SEWER LINE
- MAJOR CONTOUR
- MINOR CONTOUR
- PROPERTY LINE
- BUSH CONIFEROUS
- BUSH DECIDUOUS
- STUMP
- INLET(S)
- LIGHT POLE
- DRAINAGE MANHOLE
- SANITARY MANHOLE
- WATER FOUNTAIN
- WATER MANHOLE
- CONTROL POINT
- TREE W/ DIAMETER
- SIGN
- SPOT ELEVATION
- FLAGPOLE
- PLAQUE FLUSH WITH GRADE
- SPRINKLER


BOWNE STREET
37 AVENUE
37 AVENUE
NO PARKING
NO PARKING
NO PARKING



1 REMOVALS PLAN
SCALE: 1"=10'-0"

0 5' 10' 20'
SCALE: 1" = 10'-0"

REMOVAL NOTES:

1. ALL EXISTING SURVEY AND TOPOGRAPHICAL DATA TAKEN FROM SURVEY BY NYC PARKS (DPR), DATED: ####, ARCHIVE #: QXXX-X-XXX-XXXX. ALL ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM, 1988 (NAVD 88). SEE SURVEY SHEET V101 FOR SURVEY LEGEND.
2. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL EXISTING SITE CONDITIONS, BOTH ABOVE AND BELOW THE SURFACE, PRIOR TO COMMENCING WORK. ANY DISCREPANCIES BETWEEN THE INFORMATION SHOWN ON THE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE RESIDENT ENGINEER AND DPR IN WRITING PRIOR TO COMMENCING WORK.
3. IT IS MANDATORY, AS PER NYS INDUSTRIAL CODE RULE 53, FOR THE CONTRACTOR TO NOTIFY NEW YORK 811 AT LEAST FORTY-EIGHT (48) HOURS BEFORE COMMENCING EXCAVATION (ITEM, "UNCLASSIFIED EXCAVATION"). THE EMAIL ADDRESS IS EMAIL@NEWYORK811INC.COM AND THE WEB SITE IS HTTP://NEWYORK-811.COM (SEE ITEM "UNCLASSIFIED EXCAVATION").
4. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR ANY DAMAGE AND/OR RESTORE ANY INTERRUPTION TO ANY UTILITY SERVICE THAT MAY BE CAUSED BY THE CONTRACTOR'S CONSTRUCTION OR EQUIPMENT, AT THE CONTRACTOR'S EXPENSE, WITH NO ADDITIONAL EXPENSE TO THE CITY OF NEW YORK.
5. ALL EXISTING SEWER, GAS, WATER, AND ELECTRIC UTILITY LINES, AS WELL AS STRUCTURES WITHIN THE CONTRACT AREA SHALL REMAIN, UNLESS REMOVAL OF SAME IS SPECIFICALLY NOTED. ALL STORM DRAINAGE PIPES TO BE ABANDONED OR REMOVED ARE NOTED ON THE PLANS. IF ABANDONED PIPES ARE ENCOUNTERED DURING EXCAVATION, THEN THE CONTRACTOR SHOULD REMOVE PIPE IN AREA OF EXCAVATION AND PLUG AT EACH END OF EXCAVATION. CONTRACTOR SHOULD ENSURE THAT THE PIPE REALLY IS ABANDONED BEFORE ATTEMPTING THIS OPERATION.
6. THE CONTRACTOR IS TO USE CARE DURING CONSTRUCTION TO AVOID DISTURBING OR DAMAGING ADJACENT ABOVE-GRADE OR SUBGRADE STRUCTURES, FACILITIES, CURBS, PAVEMENTS, AND PERIMETER FENCING. ANY DAMAGE RESULTING FROM THIS WORK WILL BE RESTORED TO THE SATISFACTION OF DPR AT THE CONTRACTOR'S EXPENSE.
7. WHERE NEW CONSTRUCTION ABUTS EXISTING PAVEMENTS, CURBS, OR WALLS, THE EXISTING MATERIALS SHALL BE CLEANLY SAWCUT TO PROVIDE A CLEAN, NEAT MATCH AND A SMOOTH, FLUSH TRANSITION, AS DIRECTED BY THE RESIDENT ENGINEER. ALL SAWCUTTING SHALL BE DONE TO NEAT, STRAIGHT, AND ACCURATE LINES. CONTRACTOR SHALL PROVIDE EXPANSION JOINTS (TIE ROD AND/OR SLIP JOINT) WHERE OLD AND NEW CURBS MEET.
8. THE CONTRACTOR SHALL REPLACE ANY EXISTING CURBS, FENCING, OR PAVEMENTS THAT WERE INTENDED TO REMAIN BUT ARE DAMAGED OR DISTURBED DURING CONSTRUCTION. IF REPLACEMENT IS NECESSARY, IT SHALL BE DONE AT THE CONTRACTOR'S EXPENSE, TO THE SATISFACTION OF DPR AND THE RESIDENT ENGINEER.
9. THE CONTRACTOR SHALL TAKE EXTREME CARE TO PROTECT THE ROOT SYSTEMS OF EXISTING TREES. MATERIAL, EQUIPMENT, OR VEHICLES SHALL NOT BE STOCKPILED OR PARKED WITHIN THE DRIPLINE OF ANY TREE.
10. SEE TREE PROTECTION AND STAGING PLAN FOR ADDITIONAL NOTES REGARDING PROTECTION, PRUNING AND DECOMPACTION OF EXISTING TREES.
11. THE CONTRACTOR SHALL ALWAYS EXCAVATE BY HAND OR PNEUMATICALLY WITHIN THE DRIPLINES OF EXISTING TREES, OR AS DIRECTED BY THE RESIDENT ENGINEER IN CONSULTATION WITH THE DIRECTOR OF LANDSCAPE CONSTRUCTION OR THEIR REPRESENTATIVE. NO ROOTS SHALL BE CUT WITHOUT THE WRITTEN AUTHORIZATION OF THE DIRECTOR OF LANDSCAPE CONSTRUCTION OR THEIR REPRESENTATIVE.
12. ALL FOOTINGS AND OTHER BELOW-GRADE STRUCTURES TO BE REMOVED SHALL BE EXCAVATED TO A DEPTH OF 4'-0" BELOW FINISHED GRADE AND BACKFILLED WITH APPROVED SUITABLE FILL MATERIAL.
13. THE CONTRACTOR SHALL DISPOSE OF ALL ITEMS AND MATERIALS REMOVED AND NOT SALVAGED, INCLUDING ALL EXCAVATED MATERIAL, OFF-SITE AND IN A LEGAL MANNER.
14. ALL MATERIALS TO BE SALVAGED FOR DPR MAINTENANCE & OPERATIONS (M&O) SHALL BE DELIVERED BY THE CONTRACTOR TO THE CHIEF OF OPERATIONS OF THE APPROPRIATE BOROUGH. ALL MATERIALS NOT NEEDED BY M&O SHALL BE REMOVED AS INDICATED IN REMOVALS ITEM.
15. THE CONTRACTOR SHALL REMOVE, EXCAVATE, AND DISPOSE OF ALL MATERIALS ACCORDING TO SPECIFICATION.
16. THE CONTRACTOR SHALL EXERCISE EXTREME CARE IN REMOVING CONCRETE OR ASPHALT WITHIN THE DRIPLINE OF EXISTING TREES - LIFTING RATHER THAN DRAGGING PIECES OF PAVING. TOOLS FOR THIS ACTIVITY SHALL BE APPROVED BY THE DIRECTOR OF LANDSCAPE CONSTRUCTION OR THEIR REPRESENTATIVE AND THE RESIDENT ENGINEER PRIOR TO THE START OF EXCAVATION.

LEGEND

[XX] EXISTING TREE
NUMBER REFERS TO TREE PROTECTION SCHEDULE
CRITICAL ROOT ZONE (CRZ)
WITHIN THIS AREA EXCAVATION SHALL BE BY HAND AND/OR PNEUMATIC EXCAVATION. SEE TREE PROTECTION, ACCESS AND STAGING PLAN

REMOVALS SCHEDULE

SYMBOL	ITEM	PAYMENT ITEMS
	SAW CUT CURB	SAW CUT CURBS AND WALLS
	SAW CUT PAVEMENT	SAW CUT PAVEMENT
	REMOVE CONCRETE CURB - 0'-4" BELOW PROPOSED GRADE	CURB - HAND/PNEUMATIC EXCAVATION FENCE - REMOVALS
	REMOVE CONCRETE CURB	CURB - HAND/PNEUMATIC EXCAVATION FENCE - REMOVALS
	REMOVE CHAIN LINK/STEEL FENCE	REMOVALS HAND/PNEUMATIC EXCAVATION
	LOWER STEEL FENCE	LOWER STEEL FENCE
	REMOVE FULL DEPTH ASPHALT	UNCLASSIFIED EXCAVATION HAND/PNEUMATIC EXCAVATION
	REMOVE CONCRETE PAVEMENT	UNCLASSIFIED EXCAVATION HAND/PNEUMATIC EXCAVATION
	REMOVE HEX BLOCK AND BASE MATERIALS	PAVERS - REMOVALS BASE MATERIAL - UNCLASSIFIED EXCAVATION, HAND/PNEUMATIC EXCAVATION
	REMOVE GRANITE BLOCK	UNCLASSIFIED EXCAVATION HAND/PNEUMATIC EXCAVATION
	REMOVE TREE/STUMP	TREE REMOVAL STUMP REMOVAL
	REMOVE DRINKING FOUNTAIN ON BUILDING	DRINKING FOUNTAIN - REMOVALS FOOTING - HAND/PNEUMATIC EXCAVATION
	REMOVE FLAG POLE AND FOOTING	FLAGPOLE - REMOVALS FOOTING - UNCLASSIFIED EXCAVATION, HAND/PNEUMATIC EXCAVATION
	REMOVE GRANITE PLAQUE	REMOVALS
	REMOVE 7'-0" HT. STEEL SINGLE & DOUBLE GATES	REMOVALS
	REMOVE DRAINAGE STRUCTURE	UNCLASSIFIED EXCAVATION HAND/PNEUMATIC EXCAVATION
	REMOVE SAFETY SURFACE AND ASPHALT PAVEMENT, TYP.	SAFETY SURFACE - REMOVALS ASPHALT - HAND/PNEUMATIC EXCAVATION
	REMOVE 4'-0" HT. STEEL FENCE, TYP.	REMOVALS
	REMOVE BENCH AND FOOTING, TYP.	BENCH - REMOVALS FOOTING - HAND/PNEUMATIC EXCAVATION

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CONSULTANTS:

N/A

NO.	DATE	REVISION

PROJECT MANAGER/DEPUTY DIRECTOR:
OLIVIA LIU-IRELAND, RLA / STACIA TULL, RLA
DISCIPLINE LEAD:
JAMES MITUZAS, RLA
DESIGNER:
OLIVIA LIU-IRELAND, RLA
DRAFTED BY:
OLIVIA LIU-IRELAND, RLA
CHECKED BY:
STACIA TULL, RLA

CONTRACT NO.: Q022-224M
DATE: 01/13/2025

PROJECT TITLE:
WEEPING BEECH PARK
MULTI-PURPOSE PLAY AREA
RECONSTRUCTION

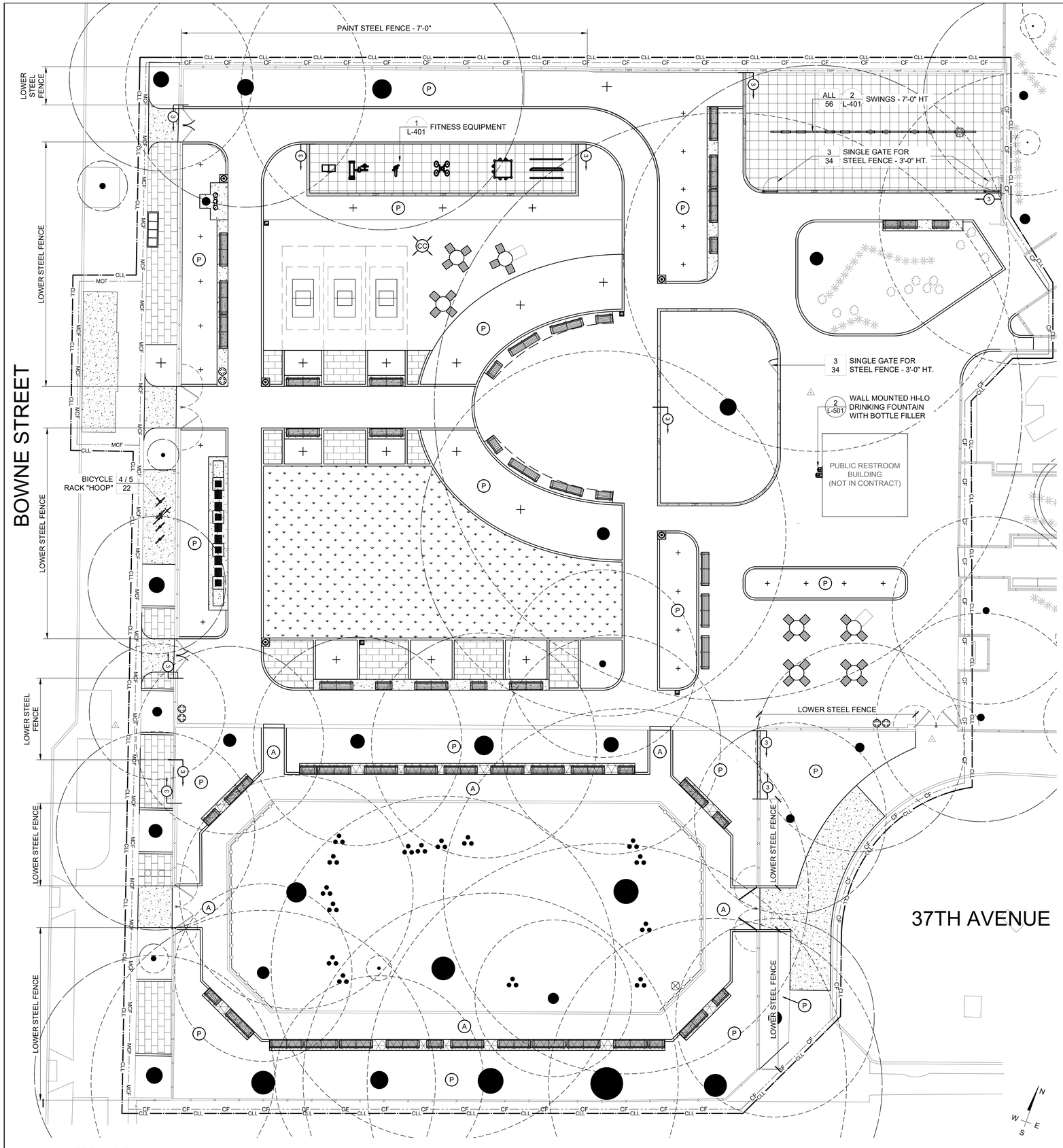
ADDRESS: BOWNE STREET AND 37TH AVEUNE
BLOCK: 5012 LOT: 5

RESERVED FOR PLAN EXAMINER'S STAMPS

DRAWING TITLE:
REMOVALS PLAN

DRAWING NO.: L-103.00

SHEETS IN CONTRACT SET:
SHEET 07 OF 20



1 MATERIALS PLAN
SCALE: 1"=10'-0"

0 5' 10' 20'
SCALE: 1" = 10'-0"

LAYOUT AND MATERIALS NOTES:

1. ALL EXISTING SURVEY AND TOPOGRAPHICAL DATA TAKEN FROM SURVEY BY NYC PARKS (DPR), DATED: XX/XX/XXXX, ARCHIVE #: QXXX-X-XXX-XXXX. ALL ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM, 1988 (NAVD 88). SEE SURVEY SHEET V101 FOR SURVEY LEGEND.
2. THE CONTRACTOR SHALL VERIFY ALL EXISTING SITE CONDITIONS, BOTH ABOVE AND BELOW THE SURFACE. ANY DISCREPANCIES BETWEEN INFORMATION SHOWN ON THE DRAWINGS AND ACTUAL FIELD CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE RESIDENT ENGINEER AND PARKS IN WRITING PRIOR TO COMMENCING WORK.
3. LOCATIONS OF EXISTING TREES SHALL BE VERIFIED IN THE FIELD.
4. NO CHANGES SHALL BE MADE TO THE DESIGN OR LAYOUT WITHOUT THE WRITTEN APPROVAL OF THE LANDSCAPE ARCHITECT. LAY OUT THE WORK AS DIMENSIONED ON THE PLANS. WRITTEN DIMENSIONS SHALL GOVERN; DO NOT SCALE DISTANCES.
5. CONTRACTOR SHALL LAY OUT AND STAKE IN THE FIELD THE ALIGNMENT AT ALL PATHS, PAVEMENTS AND TRAILS FOR REVIEW BY THE LANDSCAPE ARCHITECT. ADJUSTMENTS MAY BE MADE ONLY AS DIRECTED BY THE LANDSCAPE ARCHITECT. CONTRACTOR MAY NOT PROCEED WITH CONSTRUCTION OF IMPROVEMENTS UNTIL HE HAS RECEIVED THE FINAL APPROVAL OF THE LAYOUT FROM THE LANDSCAPE ARCHITECT.
6. ALL NEW PAVEMENTS CURBS AND EXISTING PAVEMENTS AND CURBS TO REMAIN SHALL MEET IN SMOOTH FLUSH CONDITION UNLESS NOTED OTHERWISE. NEW CURBS, WALLS, AND PAVEMENTS SHALL BE BUILT TO A SMOOTH EVEN FINISH WITH A CONSISTENT TOP AND PROFILE WITHOUT WAVES OR IRREGULARITIES. ANY WORK NOT MEETING THIS QUALITY STANDARD SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
7. THE CONTRACTOR SHALL EXERCISE CARE DURING EXCAVATION OPERATIONS TO AVOID DISTURBING ADJACENT FACILITIES, SUBGRADE STRUCTURES AND TREES. ALL DAMAGE RESULTING FROM THE CONSTRUCTION SHALL BE THE CONTRACTOR'S RESPONSIBILITY AND SHALL BE REPAIRED AT NO EXPENSE TO THE CITY AND DPR. ALL REPAIR WORK SHALL BE TO THE SATISFACTION OF THE RESIDENT ENGINEER AND DPR. PLANTED AREAS DISTURBED BY CONTRACTOR'S WORK SHALL BE RESTORED AS DIRECTED BY THE LANDSCAPE ARCHITECT.
8. NO HEAVY MACHINERY, EQUIPMENT OR STOCKPILING OF MATERIAL IS PERMITTED WITHIN THE DRIP LINES OF EXISTING TREES.
9. THE CONTRACTOR SHALL TAKE SPECIAL CARE TO PROTECT ALL EXISTING TREES AND THEIR ROOT SYSTEM. EXCAVATIONS WITHIN THE DRIP LINES OF TREES SHALL BE KEPT TO A MINIMUM AND SHALL BE COMPLETED BY HAND ONLY AND SHALL BE PERFORMED IN THE PRESENCE OF THE RESIDENT ENGINEER, AT NO ADDITIONAL EXPENSE TO THE CITY. NO ROOTS SHALL BE CUT WITHOUT THE WRITTEN AUTHORIZATION OF DIRECTOR OF LANDSCAPE CONSTRUCTION OR THEIR REPRESENTATIVE. BRIDGE CURBS SHALL BE CONSTRUCTED OR THE AMOUNT OF FOUNDATION MATERIAL SHALL BE REDUCED WHERE NECESSARY, AS DIRECTED BY ENGINEER (SEE GENERAL CONDITIONS, SPECIAL PROVISION, SECTION C, ARTICLE 14 "TREE WORK").
10. THE CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING LONG LEAD ITEMS AND ORDERING THESE MATERIALS IN A TIMELY MANNER.

LEGEND

CLL CONTRACT LIMIT LINE

- 2 / 17 — CONCRETE CURB - 6" — SEE GRADING PLAN FOR REVEAL
- 3 / 17 — CONCRETE CURB FOR STEEL FENCE — SEE GRADING PLAN FOR REVEAL
- ALL 35 / 13 17 — STEEL PANEL FENCE - 3'-0" HT.
- ALL 35 / 13 17 — STEEL PANEL FENCE - 4'-0" HT.
- ALL 35 / 13 17 — STEEL PANEL FENCE - 7'-0" HT.
- 2 37 — PIPE RAIL FENCE - TYPE B (ONE RAIL) ON PIERS
- A — 1 15 — FULL DEPTH ASPHALT
- X X — STEEL FABRIC REINFORCED CONCRETE PAVEMENT W/O BASE - 5"
- 3 16 — CEMENT CONCRETE PAVEMENT
- CC — 1 16 — COLORED CEMENT CONCRETE PAVEMENT — COLOR: OUTBACK BY DAVIS COLORS OR APPROVED EQUAL
- 12 15 — GRANITE BLOCK ON SAND - ACCESSIBLE
- 8 15 — ASPHALT BLOCK ON ASPHALT CONCRETE BASE BY HANOVER OR APPROVED EQUAL, SHAPE: HEX, COLOR: MATRIX #A80010, MATRIX #A80014
- ALL 57 — SAFETY SURFACE ON FULL DEPTH ASPHALT - 8' FALL HEIGHT — COLOR: TAN BY xxxx OR APPROVED EQUAL
- 5 41 — SYNTHETIC TURF - TUFTED NYLON ON STONE BASE — SEE SPECIFICATION
- P — ALL 58 — ALL L-206 — PLANTING BED — SEE DRAWING L-206
- PUBLIC SPACE RECEPTACLE BIN - TRASH AND RECYCLE — COLOR: BLACK, SEE SPECIFICATION
- 1 L-501 — HOOF BENCH — SEE SPECIFICATION
- ACCESSIBLE/STANDARD STEEL TABLE - 42" ROUND W/ PERFORATED TOP WITH CHAIR TYPE 'E' WITH VERTICAL STEEL SLATS, SEE SPECIFICATION
- ALL 21 — 1 22 — ACCESSIBLE/STANDARD CONCRETE AND STEEL GAME TABLE W/ CHAIR TYPE 'E'
- 1 L-502 — PING PONG TABLE
- 2 35 — DOUBLE GATE FOR STEEL FENCE - 4'-0" HT.
- 3 34 — SINGLE GATE FOR STEEL FENCE - 3'-0" HT.
- 1 7 — GROUND HYDRANT
- CATCH BASIN - SEE DRAWING C-201 FOR TYPE
- E — FLUSHING MEADOW LUMINAIRE AND POLE & ELECTRICAL BOX SEE DRAWING E-201
- EXISTING DRAINAGE STRUCTURE
- EXISTING TREE
- [#] — CRITICAL ROOT ZONE (CRZ) WITHIN THIS AREA EXCAVATION SHALL BE BY HAND AND/OR PNEUMATIC EXCAVATION. SEE TREE PROTECTION, ACCESS AND STAGING PLAN

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CONSULTANTS:

N/A

NO.	DATE	REVISION

PROJECT MANAGER/DEPUTY DIRECTOR: OLIVIA LIU-IRELAND, RLA / STACIA TULL, RLA
DISCIPLINE LEAD: JAMES MITUZAS, RLA
DESIGNER: OLIVIA LIU-IRELAND, RLA
DRAFTED BY: OLIVIA LIU-IRELAND, RLA
CHECKED BY: STACIA TULL, RLA
CONTRACT NO.: Q022-224M
DATE: 01/13/2025

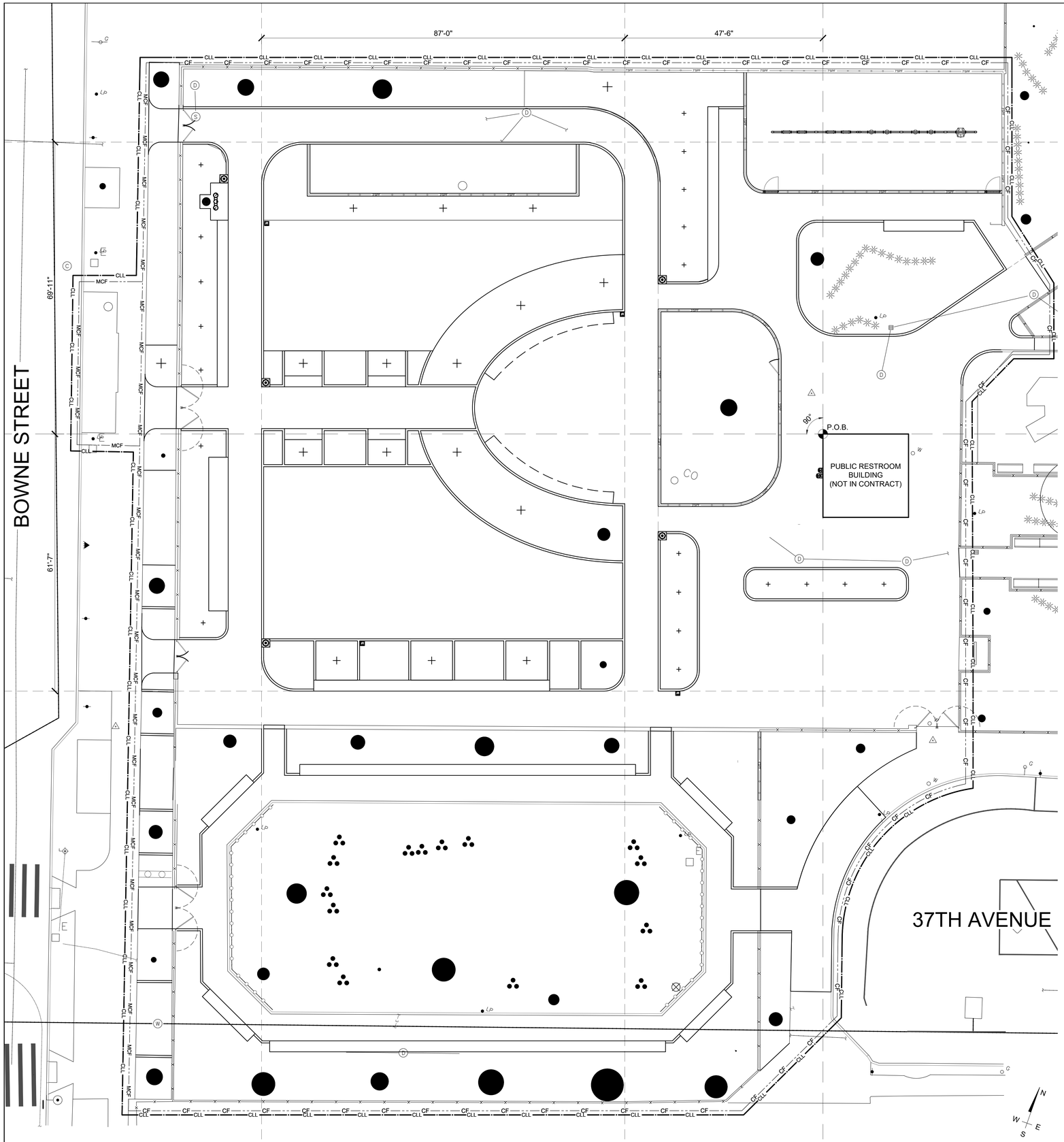
PROJECT TITLE:
WEEPING BEECH PARK
MULTI-PURPOSE PLAY AREA
RECONSTRUCTION
ADDRESS: BLOCK: 5012 LOT: 5
BOWNE STREET AND 37TH AVEUNE

RESERVED FOR PLAN EXAMINER'S STAMPS

DRAWING TITLE:
MATERIALS PLAN

DRAWING NO.:
L-201.00

SHEETS IN CONTRACT SET:
SHEET 08 OF 20



1 LAYOUT PLAN - UTILITIES
SCALE: 1"=10'-0"

0 5' 10' 20'
SCALE: 1" = 10'-0"

LAYOUT AND MATERIALS NOTES:

1. ALL EXISTING SURVEY AND TOPOGRAPHICAL DATA TAKEN FROM SURVEY BY NYC PARKS (DPR), DATED: XX/XX/XXXX, ARCHIVE #: QXXX-X-XXX-XXXX. ALL ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM, 1988 (NAVD 88). SEE SURVEY SHEET V101 FOR SURVEY LEGEND.
2. THE CONTRACTOR SHALL VERIFY ALL EXISTING SITE CONDITIONS, BOTH ABOVE AND BELOW THE SURFACE. ANY DISCREPANCIES BETWEEN INFORMATION SHOWN ON THE DRAWINGS AND ACTUAL FIELD CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE RESIDENT ENGINEER AND PARKS IN WRITING PRIOR TO COMMENCING WORK.
3. LOCATIONS OF EXISTING TREES SHALL BE VERIFIED IN THE FIELD.
4. NO CHANGES SHALL BE MADE TO THE DESIGN OR LAYOUT WITHOUT THE WRITTEN APPROVAL OF THE LANDSCAPE ARCHITECT. LAY OUT THE WORK AS DIMENSIONED ON THE PLANS. WRITTEN DIMENSIONS SHALL GOVERN; DO NOT SCALE DISTANCES.
5. CONTRACTOR SHALL LAY OUT AND STAKE IN THE FIELD THE ALIGNMENT AT ALL PATHS, PAVEMENTS AND TRAILS FOR REVIEW BY THE LANDSCAPE ARCHITECT. ADJUSTMENTS MAY BE MADE ONLY AS DIRECTED BY THE LANDSCAPE ARCHITECT. CONTRACTOR MAY NOT PROCEED WITH CONSTRUCTION OF IMPROVEMENTS UNTIL HE HAS RECEIVED THE FINAL APPROVAL OF THE LAYOUT FROM THE LANDSCAPE ARCHITECT.
6. ALL NEW PAVEMENTS CURBS AND EXISTING PAVEMENTS AND CURBS TO REMAIN SHALL MEET IN SMOOTH FLUSH CONDITION UNLESS NOTED OTHERWISE. NEW CURBS, WALLS, AND PAVEMENTS SHALL BE BUILT TO A SMOOTH EVEN FINISH WITH A CONSISTENT TOP AND PROFILE WITHOUT WAVES OR IRREGULARITIES. ANY WORK NOT MEETING THIS QUALITY STANDARD SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
7. THE CONTRACTOR SHALL EXERCISE CARE DURING EXCAVATION OPERATIONS TO AVOID DISTURBING ADJACENT FACILITIES, SUBGRADE STRUCTURES AND TREES. ALL DAMAGE RESULTING FROM THE CONSTRUCTION SHALL BE THE CONTRACTOR'S RESPONSIBILITY AND SHALL BE REPAIRED AT NO EXPENSE TO THE CITY AND DPR. ALL REPAIR WORK SHALL BE TO THE SATISFACTION OF THE RESIDENT ENGINEER AND DPR. PLANTED AREAS DISTURBED BY CONTRACTOR'S WORK SHALL BE RESTORED AS DIRECTED BY THE LANDSCAPE ARCHITECT.
8. NO HEAVY MACHINERY, EQUIPMENT OR STOCKPILING OF MATERIAL IS PERMITTED WITHIN THE DRIP LINES OF EXISTING TREES.
9. THE CONTRACTOR SHALL TAKE SPECIAL CARE TO PROTECT ALL EXISTING TREES AND THEIR ROOT SYSTEM. EXCAVATIONS WITHIN THE DRIP LINES OF TREES SHALL BE KEPT TO A MINIMUM AND SHALL BE COMPLETED BY HAND ONLY AND SHALL BE PERFORMED IN THE PRESENCE OF THE RESIDENT ENGINEER, AT NO ADDITIONAL EXPENSE TO THE CITY. NO ROOTS SHALL BE CUT WITHOUT THE WRITTEN AUTHORIZATION OF DIRECTOR OF LANDSCAPE CONSTRUCTION OR THEIR REPRESENTATIVE. BRIDGE CURBS SHALL BE CONSTRUCTED OR THE AMOUNT OF FOUNDATION MATERIAL SHALL BE REDUCED WHERE NECESSARY, AS DIRECTED BY ENGINEER (SEE GENERAL CONDITIONS, SPECIAL PROVISION, SECTION C, ARTICLE 14 "TREE WORK").
10. THE CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING LONG LEAD ITEMS AND ORDERING THESE MATERIALS IN A TIMELY MANNER.

LEGEND

CLL — CONTRACT LIMIT LINE

P.O.B. — POINT OF BEGINNING
NORTH WEST CORNER OF PUBLIC RESTROOM BUILDING

CITY OF NEW YORK
PARKS & RECREATION
OLMSTED CENTER
FLUSHING MEADOWS CORONA PARK
FLUSHING, NEW YORK 11368

SUE DONOGHUE
COMMISSIONER

THÉRÈSE BRADDICK
DEPUTY COMMISSIONER, CAPITAL PROJECTS

LANDSCAPE ARCHITECTURE

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CONSULTANTS:

N/A

NO.	DATE	REVISION

PROJECT MANAGER/DEPUTY DIRECTOR: OLIVIA LIU-IRELAND, RLA / STACIA TULL, RLA
DISCIPLINE LEAD: JAMES MITUZAS, RLA
DESIGNER: OLIVIA LIU-IRELAND, RLA
DRAFTED BY: OLIVIA LIU-IRELAND, RLA
CHECKED BY: STACIA TULL, RLA

CONTRACT NO.: Q022-224M
DATE: 01/13/2025

PROJECT TITLE:
WEEPING BEECH PARK
MULTI-PURPOSE PLAY AREA
RECONSTRUCTION

ADDRESS: BLOCK: 5012 LOT: 5
BOWNE STREET AND 37TH AVEUNE

RESERVED FOR PLAN EXAMINER'S STAMPS

DRAWING TITLE:
LAYOUT PLAN - UTILITIES

DRAWING NO.:
L-202.00

SHEETS IN CONTRACT SET:
SHEET 09 OF 20

BOWNE STREET

37TH AVENUE

ELLIPSE CP 2 L-203

P.O.B.

PUBLIC RESTROOM BUILDING (NOT IN CONTRACT)

2'-8" TYP. BENCH PAD

1 LAYOUT PLAN - CURBS AND PAVEMENT
SCALE: 1"=10'-0"

0 5' 10' 20'
SCALE: 1" = 10'-0"

LAYOUT AND MATERIALS NOTES:

1. ALL EXISTING SURVEY AND TOPOGRAPHICAL DATA TAKEN FROM SURVEY BY NYC PARKS (DPR), DATED: XX/XX/XXXX, ARCHIVE #: QXXX-X-XXX-XXXX. ALL ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM, 1988 (NAVD 88). SEE SURVEY SHEET V101 FOR SURVEY LEGEND.
2. THE CONTRACTOR SHALL VERIFY ALL EXISTING SITE CONDITIONS, BOTH ABOVE AND BELOW THE SURFACE. ANY DISCREPANCIES BETWEEN INFORMATION SHOWN ON THE DRAWINGS AND ACTUAL FIELD CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE RESIDENT ENGINEER AND PARKS IN WRITING PRIOR TO COMMENCING WORK.
3. LOCATIONS OF EXISTING TREES SHALL BE VERIFIED IN THE FIELD.
4. NO CHANGES SHALL BE MADE TO THE DESIGN OR LAYOUT WITHOUT THE WRITTEN APPROVAL OF THE LANDSCAPE ARCHITECT. LAY OUT THE WORK AS DIMENSIONED ON THE PLANS. WRITTEN DIMENSIONS SHALL GOVERN; DO NOT SCALE DISTANCES.
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6. ALL NEW PAVEMENTS CURBS AND EXISTING PAVEMENTS AND CURBS TO REMAIN SHALL MEET IN SMOOTH FLUSH CONDITION UNLESS NOTED OTHERWISE. NEW CURBS, WALLS, AND PAVEMENTS SHALL BE BUILT TO A SMOOTH EVEN FINISH WITH A CONSISTENT TOP AND PROFILE WITHOUT WAVES OR IRREGULARITIES. ANY WORK NOT MEETING THIS QUALITY STANDARD SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
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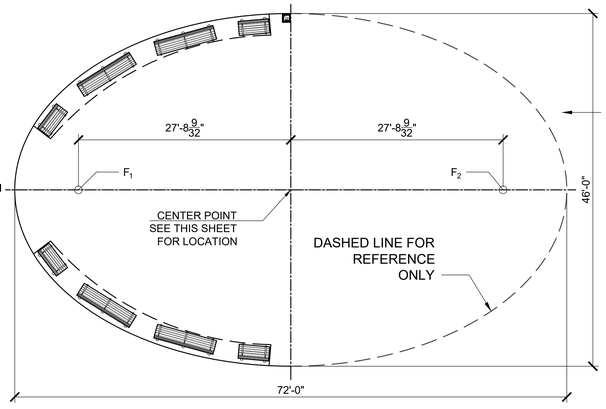
LEGEND

CLL — CONTRACT LIMIT LINE

P.O.B. POINT OF BEGINNING
NORTH WEST CORNER OF PUBLIC RESTROOM BUILDING



LAYOUT OF ELLIPSE:

1. PIN AND STRING METHOD:
   MAJOR AXIS = 72'-0"
   MINOR AXIS = 46'-0"
2. SET PINS AT F_1 AND F_2 (THE FOCI OF THE ELLIPSE) : 27'-8 $\frac{9}{32}$" FROM CP1
3. MEASURE A PIECE OF NON-STRETCHING ROPE THE LENGTH OF THE MAJOR AXIS. TIE THE ENDS OF THE NON-STRETCHING ROPE TO F_1 AND F_2
4. LEAVING THE ROPE ATTACHED, KEEP THE ROPE TAUGHT AND MARK THE PATH OF THE ELLIPSE.

2 CENTRAL PLAZA LAYOUT
SCALE: 1/8"=1-0"

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CONSULTANTS:

N/A

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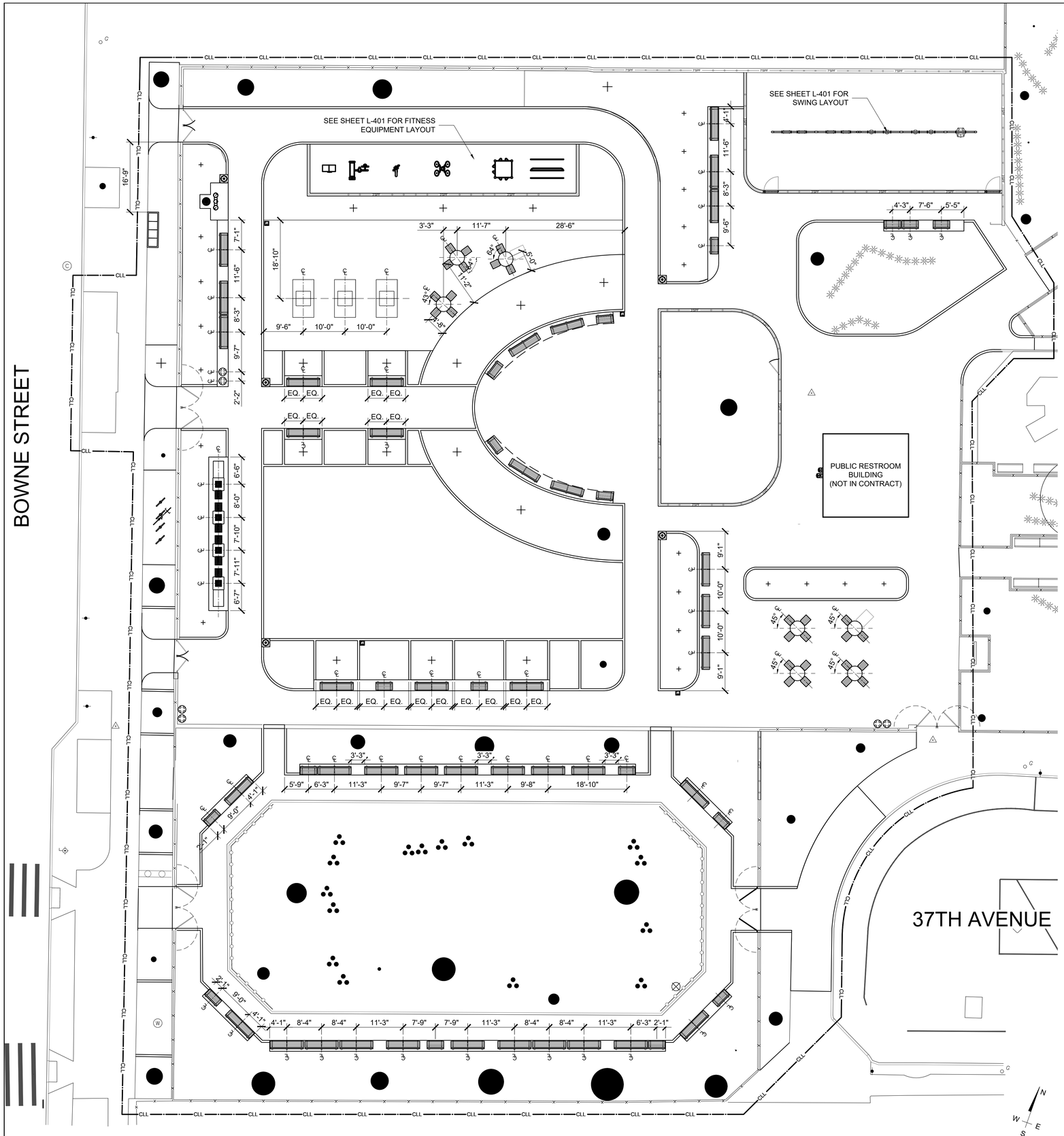
RECONSTRUCTION
ADDRESS: BOWNE STREET AND 37TH AVEUNE BLOCK: 5012 LOT: 5

RESERVED FOR PLAN EXAMINER'S STAMPS

DRAWING TITLE:
LAYOUT PLAN - CURBS AND PAVEMENT

DRAWING NO.:
L-203.00

SHEETS IN CONTRACT SET:
SHEET 10 OF 20



1 LAYOUT PLAN - SITE FURNISHINGS
SCALE: 1"=10'-0"

0 5' 10' 20'
SCALE: 1" = 10'-0"

LAYOUT AND MATERIALS NOTES:

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3. LOCATIONS OF EXISTING TREES SHALL BE VERIFIED IN THE FIELD.
4. NO CHANGES SHALL BE MADE TO THE DESIGN OR LAYOUT WITHOUT THE WRITTEN APPROVAL OF THE LANDSCAPE ARCHITECT. LAY OUT THE WORK AS DIMENSIONED ON THE PLANS. WRITTEN DIMENSIONS SHALL GOVERN; DO NOT SCALE DISTANCES.
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LEGEND

CLL — CONTRACT LIMIT LINE

P.O.B. POINT OF BEGINNING
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CONSULTANTS:

N/A

NO.	DATE	REVISION

PROJECT MANAGER/DEPUTY DIRECTOR: OLIVIA LIU-IRELAND, RLA / STACIA TULL, RLA
DISCIPLINE LEAD: JAMES MITUZAS, RLA
DESIGNER: OLIVIA LIU-IRELAND, RLA
DRAFTED BY: OLIVIA LIU-IRELAND, RLA
CHECKED BY: STACIA TULL, RLA
CONTRACT NO.: Q022-224M
DATE: 01/13/2025

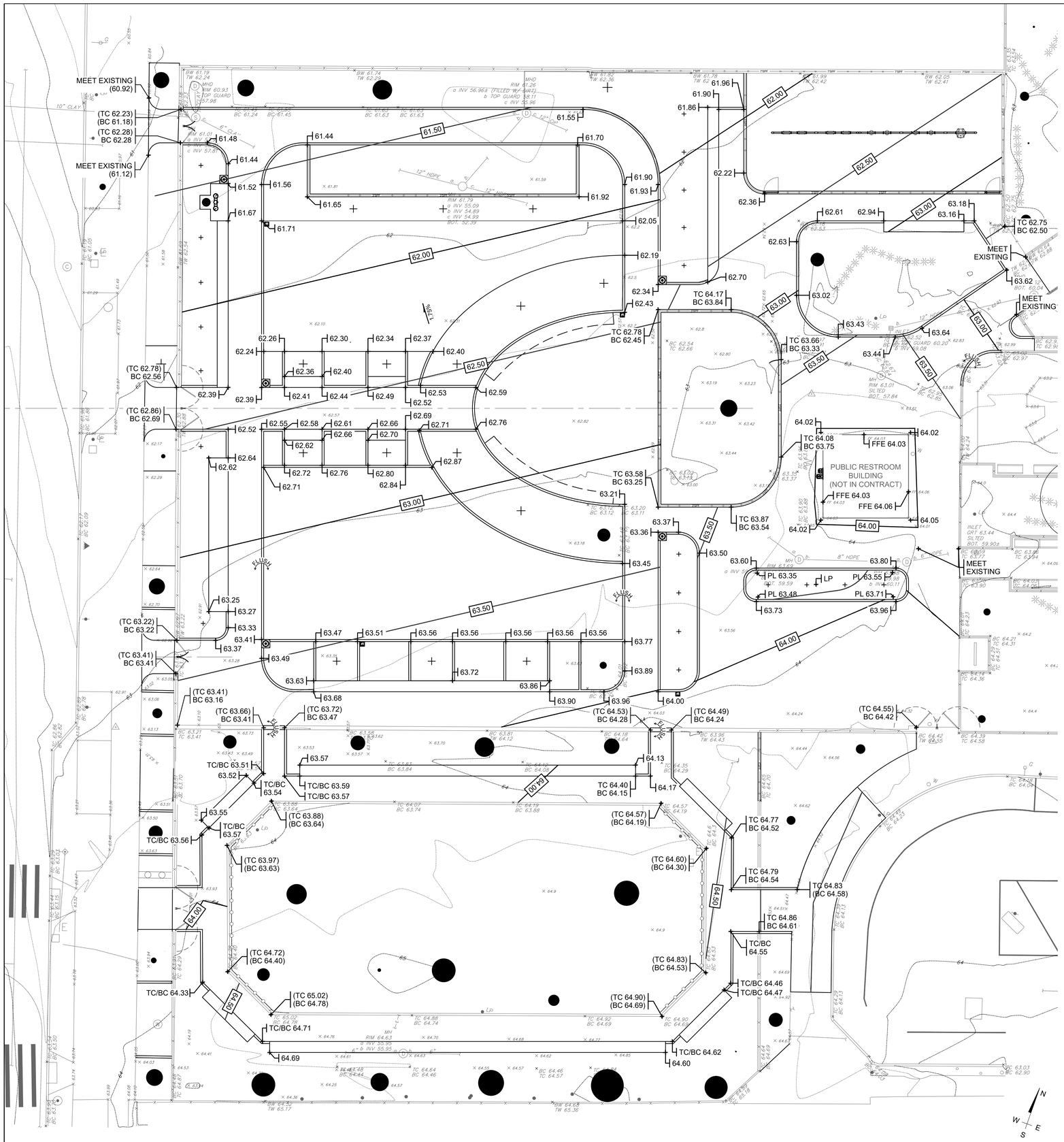
PROJECT TITLE:
WEEPING BEECH PARK
MULTI-PURPOSE PLAY AREA
RECONSTRUCTION
ADDRESS: BLOCK: 5012 LOT: 5
BOWNE STREET AND 37TH AVEUNE

RESERVED FOR PLAN EXAMINER'S STAMPS

DRAWING TITLE:
LAYOUT PLAN - SITE FURNISHINGS

DRAWING NO.:
L-204.00

SHEETS IN CONTRACT SET:
SHEET 11 OF 20



1 GRADING PLAN
SCALE: 1"=10'-0"

0 5' 10' 20'
SCALE: 1" = 10'-0"

GRADING NOTES:

1. ALL EXISTING SURVEY AND TOPOGRAPHICAL DATA TAKEN FROM SURVEY BY NYC PARKS (DPR), DATED MM/DD/YYYY, ARCHIVE #: A###-T-###-#####. ALL ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM, 1988 (NAVD 88). SEE SURVEY SHEET V101 FOR SURVEY LEGEND.

2. THE CONTRACTOR SHALL VERIFY ALL EXISTING TOPOGRAPHIC INFORMATION. ANY DISCREPANCIES BETWEEN THE SURVEY AND EXISTING CONDITIONS, BETWEEN PLANS AND SPECIFICATIONS, OR BETWEEN DIFFERENT PLANS SHALL BE BROUGHT TO THE ATTENTION OF THE RESIDENT ENGINEER AND DPR IN WRITING PRIOR TO COMMENCING WORK.

3. ALL PAVEMENTS SHALL BE INSTALLED TO SMOOTH EVEN GRADE WITH NO PATCHING, IRREGULARITIES, OR BIRDBATHS. ALL NEW PAVEMENTS SHALL MEET EXISTING PAVEMENTS AND GRADES FLUSH AND EVENLY. ALL CURBS SHALL BE INSTALLED TO SMOOTH EVEN GRADES AS INDICATED WITH NO PATCHING OR IRREGULARITIES.

4. THE CONTRACTOR SHALL USE EXTREME CARE TO PROTECT EXISTING TREES AND THEIR ROOTS. EXCEPT AS NOTED, ELEVATIONS AROUND EXISTING TREES SHALL REMAIN THE SAME. MODIFY TRENCHES OR CHANNELS TO AVOID REMAINING TREES AND THEIR ROOTS. ALL EXCAVATION WITHIN CRITICAL ROOT ZONES SHALL BE PERFORMED BY HAND OR PNEUMATICALLY UNLESS DIRECTED BY THE ENGINEER IN CONSULTATION WITH THE DIRECTOR OF LANDSCAPE CONSTRUCTION OR THEIR REPRESENTATIVE.

5. THE CONTRACTOR SHALL EXERCISE EXTREME CARE DURING EARTHWORK OPERATIONS, TO AVOID DISTURBING ADJACENT FACILITIES AND OR SUBGRADE STRUCTURES. ALL DAMAGE RESULTING FROM CONSTRUCTION SHALL BE THE CONTRACTOR'S RESPONSIBILITY AND SHALL BE REPAIRED AT NO EXPENSE TO PARKS & RECREATION OR THE CITY OF NEW YORK. ALL REPAIR WORK SHALL BE DONE TO THE SATISFACTION OF THE RESIDENT ENGINEER AND/OR AGENCY HAVING JURISDICTION.

LEGEND

CLL CONTRACT LIMIT LINE

CITY OF NEW YORK
PARKS & RECREATION
OLMSTED CENTER
FLUSHING MEADOWS CORONA PARK
FLUSHING, NEW YORK 11368

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CONSULTANTS:

N/A

NO.	DATE	REVISION

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DESIGNER: OLIVIA LIU-IRELAND, RLA
DRAFTED BY: OLIVIA LIU-IRELAND, RLA
CHECKED BY: STACIA TULL, RLA
CONTRACT NO.: Q022-224M
DATE: 01/13/2025

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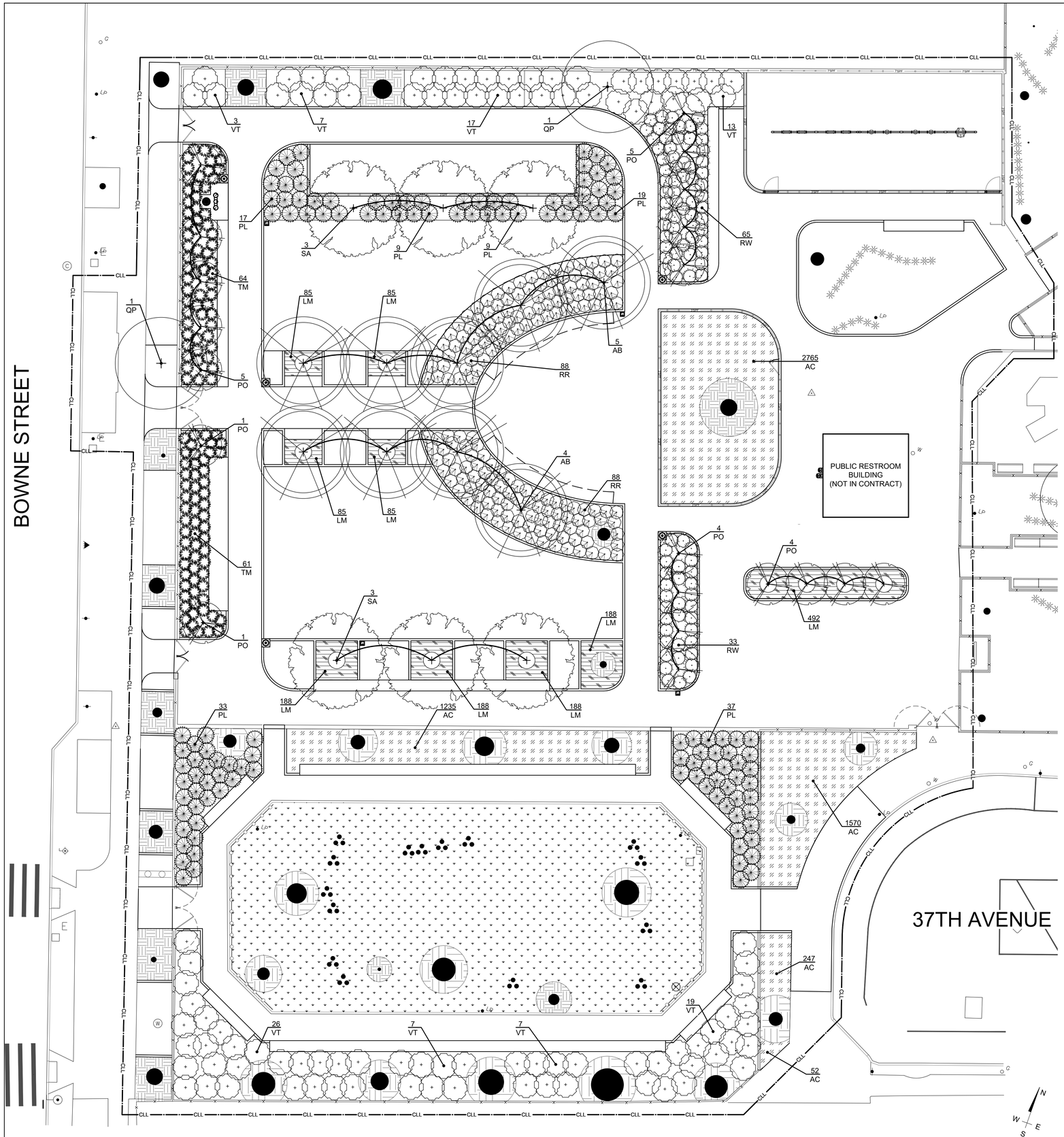
WEEPING BEECH PARK
MULTI-PURPOSE PLAY AREA
RECONSTRUCTION
ADDRESS: BOWNE STREET AND 37TH AVEUNE
BLOCK: 5012 LOT: 5

RESERVED FOR PLAN EXAMINER'S STAMPS

DRAWING TITLE:
GRADING PLAN

DRAWING NO.:
L-205.00

SHEETS IN CONTRACT SET:
SHEET 12 OF 20



1 PLANTING PLAN
SCALE: 1"=10'-0"

0 5' 10' 20'
SCALE: 1" = 10'-0"

PLANTING NOTES:

1. NO HEAVY EQUIPMENT , MACHINERY OR STOCK PILING OF MATERIAL IS PERMITTED WITHIN THE DRIP LINE OF ALL EXISTING TREES THROUGHOUT THE COURSE OF THE CONTRACT.
2. EXISTING TREES SHALL BE PROTECTED WITH TEMPORARY WOODEN TREE GUARDS AS INDICATED ON THE TREE PROTECTION AND STAGING PLAN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING TREES INCLUDING BUT NOT LIMITED TO INSTALLING TREE GUARDS WITH WRAP, AND WOODCHIPS.
3. PLANT GROUPINGS & LOCATIONS ARE DIAGRAMMATIC. THE LOCATION OF PLANTS SHALL BE APPROVED IN THE FIELD BY THE LANDSCAPE ARCHITECT.
4. ALL PLANTS IN THE SAME PLANTING BED SHALL BE PLANTED AT THE SAME TIME. ANY PLANTS REMAINING UNPLANTED ON THE SITE FOR MORE THAN 24 HRS. SHALL BE PROTECTED AND MAINTAINED INCLUDING BUT NOT LIMITED TO WATER AND SHADE. ANY DAMAGED PLANTS SHALL BE REPLACED AS DIRECTED, AT THE CONTRACTOR'S EXPENSE.
5. THERE WILL BE NO SUBSTITUTIONS OF PLANT MATERIAL WITHOUT PRIOR WRITTEN APPROVAL BY THE LANDSCAPE ARCHITECT.
6. ALL EXCAVATION AND PLANT INSTALLATION WITHIN THE TPZ SHALL BE PERFORMED BY HAND OR PNEUMATICALLY, WITH MINIMAL SOIL DISTURBANCE, AND UNDER THE SUPERVISION OF THE DIRECTOR OF LANDSCAPE CONSTRUCTION OR THEIR AUTHORIZED REPRESENTATIVE. PLANTS SHALL NOT BE PLACED WITHIN THREE (3) FEET OF THE TREE TRUNK UNLESS APPROVED.
7. ALL NEW TREES SHALL SET AFTER SETTLEMENTS TO THE SAME LEVEL AT WHICH THEY ARE GROWN IN THE NURSERY WITH THE ROOT FLARE EXPOSED.
8. ALL SYNTHETIC MATERIALS SHALL BE REMOVED FROM ALL PLANT MATERIAL. WIRE AND BURLAP SHALL BE REMOVED FROM TREES AND SHRUBS IN ACCORDANCE WITH THE SPECIFICATIONS.

LEGEND

- CLL — CONTRACT LIMIT LINE
- SHREDDED BARK MULCH
- AERATE AND TOPDRESS

SYMBOL	KEY	QTY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	SPACING (+/-)	NOTES
TREES								
	AB	9	FAGUS GRANDIFOLIA	AMERICAN BEECH	2 1/2" - 3" CAL.	B&B	AS SHOWN	NATIVE SINGLE STEM
	PO	15	PRUNUS 'OKAME'	OKAME CHERRY TREE	1 3/4" - 2" CAL.	B&B	AS SHOWN	SINGLE STEM
	QP	2	QUERCUS PALUSTRIS	PIN OAK	2 1/2" - 3" CAL.	B&B	AS SHOWN	NATIVE 6-7' FROM GROUND
	SA	6	SASSAFRAS ALBIDUM	COMMON SASSAFRAS	5' - 6' HT.	B&B	AS SHOWN	NATIVE
SHRUBS AND GROUNDCOVERS								
	AC	5869	ASARUM CANADENSE	WILD GINGER	1 GAL.	CONT.	8" O.C.	
	LM	1584	LIROPE MUSCARI	LILYTURF	1 GAL.	CONT.	8" O.C.	
	PL	125	PRUNUS LAUROCERASUS 'OTTO LUYKEN'	CHERRY LAUREL	24"-30" HT	B&B	3'-6" O.C.	
	RR	176	ROSA 'RADRAZZ'	KNOCKOUT ROSE	18"-24" HT.	CONT.	3'-0" O.C.	
	RW	98	ROSA 'RADWHITE'	WHITE KNOCKOUT ROSE	18"-24" HT.	CONT.	3'-0" O.C.	
	TM	125	TAXUS X MEDIA 'DENSIFORMIS'	DENSE YEW	24"-30" HT	B&B OR CONT.	3'-0" O.C.	
	VT	99	VIBURNUM TRILOBUM	CRANBERRY BUSH	2' - 3' HT.	B&B OR CONT.	4'-0" O.C.	NATIVE

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CONSULTANTS:

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ADDRESS: BLOCK: 5012 LOT: 5
BOWNE STREET AND 37TH AVEUNE

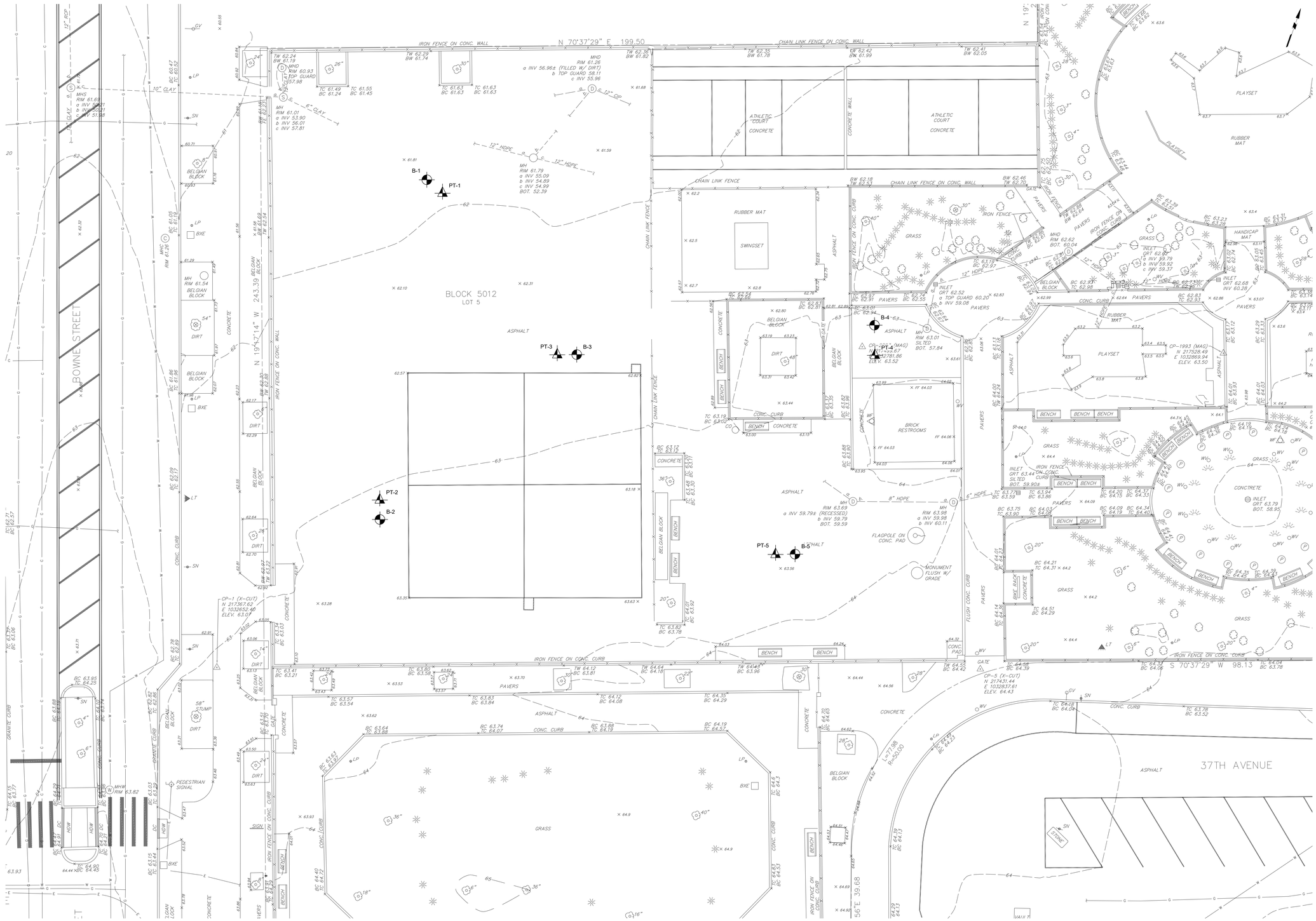
RESERVED FOR PLAN EXAMINER'S STAMPS

DRAWING TITLE:
PLANTING PLAN

DRAWING NO.:
L-206.00

SHEETS IN CONTRACT SET:
SHEET 13 OF 20

APPENDIX B: SOIL BORING DATA



1 AS-DRILLED SUBSURFACE INVESTIGATION PLAN

Scale: 1" = 10'-0"

0 10' 20'

NOTES:

1. THE AS-DRILLED BORING AND PERMEABILITY TEST LOCATIONS REFERENCE THE FIELD SUBSURFACE INVESTIGATION COMPLETED BY MFS CONSTRUCTION, LLC UNDER THE FULL-TIME SPECIAL INSPECTION OF MFS CONSULTING ENGINEERS AND SURVEYOR, DPC (MFS) FROM 18 SEPTEMBER 2024 TO 23 SEPTEMBER 2024.
2. THE PARTIAL BACKGROUND SURVEY REFERENCES THE TOPOGRAPHIC SURVEY COMPLETED BY MFS BETWEEN 6 MARCH 2024 AND 27 MARCH 2024 PROVIDED IN AUTOCAD FORMAT(.DWG).
3. ALL AS-DRILLED BORING AND PERMEABILITY TEST LOCATIONS WERE MEASURED IN THE FIELD AT THE TIME OF THE FIELD SUBSURFACE INVESTIGATION FROM EXISTING FIXED SITE FEATURES AND THE RESPECTIVE LOCATIONS SHALL BE CONSIDERED APPROXIMATE. DIMENSIONS ARE NOT SHOWN FOR CLARITY.
4. ALL ELEVATIONS REFERENCE THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

B-#	AS-DRILLED BORING LOCATION
PT-#	AS-DRILLED PERMEABILITY TEST LOCATION

CITY OF NEW YORK
PARKS & RECREATION

OLMSTED CENTER
FLUSHING MEADOWS CORONA PARK
FLUSHING, NEW YORK 11368

SUE DONOGHUE
COMMISSIONER

THÉRÈSE BRADDICK
DEPUTY COMMISSIONER, CAPITAL PROJECTS

LANDSCAPE ARCHITECTURE

VINCENT CIRRITO, PLA
ASSISTANT COMMISSIONER

NANCY PRINCE, PLA, FASLA
CHIEF OF LANDSCAPE ARCHITECTURE

MEREDITH GRIFFIN
CHIEF OF LANDSCAPE PROGRAM MANAGEMENT

ARCHITECTURE AND ENGINEERING

TERENCE MCCORMICK, PE
ASSISTANT COMMISSIONER FOR ARCHITECTURE AND ENGINEERING PROGRAM MANAGEMENT

REBECCA BYRNES, RA
CHIEF OF ARCHITECTURE AND ENGINEERING

MARLISA WISE, RA
TEAM LEADER OF ARCHITECTURE

ALLAIRE O'CONNOR, PE
TEAM LEADER OF ENGINEERING

CONSULTANTS:

CIVIL ENGINEERING
COLLIERS ENGINEERING & DESIGN

GEOTECHINCAL ENGINEERING
MFS CONSULTING ENGINEERS AND SURVEYOR, DPC

NO.	DATE	REVISION

NYC PARKS PROJECT MANAGER:

DISCIPLINE LEAD:
MICHAEL MUDALEL, PE

DESIGNER:
WILLIAM BUTLER

DRAFTED BY:
WILLIAM BUTLER

CHECKED BY:
JACOB FRADKIN, PE

CONTRACT NO.:
Q022-224M

DATE:
10/04/2024

PROJECT TITLE:

WEEPING BEECH PARK
MULTI-PURPOSE PLAY AREA
RECONSTRUCTION

ADDRESS: BLOCK: 5012 LOT: 5
BOWNE STREET AND 37TH AVEUNE

RESERVED FOR PLAN EXAMINER'S STAMPS

DRAWING TITLE:

AS-DRILLED SUBSURFACE INVESTIGATION PLAN

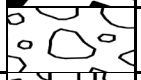
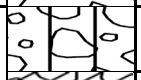
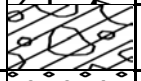
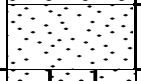
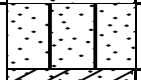
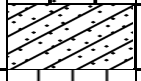
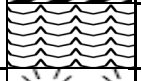
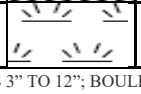
DRAWING NO.:

B101.00

SHEETS IN CONTRACT SET:

SHEET 1 OF 1

USCS SOIL CLASSIFICATION SYSTEM

MAJOR DIVISION			GRAPHIC SYMBOL	GROUP SYMBOL (ASTM D2487)	TYPICAL DESCRIPTION
COARSE-GRAINED SOIL — MORE THAN 50% BY WEIGHT RETAINED ON NO. 200 SIEVE*	GRAVEL — 50% OR MORE OF COARSE FRACTION RETAINED ON NO. 4 SIEVE	CLEAN GRAVEL — LESS THAN 5% FINES**		GW	WELL GRADED GRAVEL, GRAVEL-SAND MIXTURES $Cu \geq 4$ & $1 < Cc \leq 3$
				GP	POORLY GRADED GRAVEL, GRAVEL- SAND MIXTURES
		GRAVEL WITH FINES — MORE THAN 12% FINES**		GM	GRAVEL-SAND-SILT MIXTURES
				GC	GRAVEL-SAND-CLAY MIXTURES
	SAND — MORE THAN 50% OF COURSE FRACTION PASSES NO. 4 SIEVE	CLEAN SAND — LESS THAN 5% FINES**		SW	WELL GRADED SAND, SAND-GRAVEL MIXTURES $Cu \geq 6$ & $1 < Cc \leq 3$
				SP	POORLY GRADED SAND, SAND-GRAVEL MIXTURES
		SAND WITH FINES — MORE THAN 12% FINES**		SM	SAND-SILT MIXTURES
				SC	SAND-CLAY MIXTURES
FINE-GRAINED SOIL — MORE THAN 50% BY WEIGHT PASSES NO. 200 SIEVE*	SILT & CLAY — LIQUID LIMIT LESS THAN 50			ML	INORGANIC SILT, CLAYEY SILT, LOW PLASTICITY
				CL	INORGANIC CLAY OF LOW TO MEDIUM PLASTICITY, SILTY CLAY
				OL***	ORGANIC, LOW PLASTICITY, SILT-CLAY MIXTURES, LESS THAN 30% ORGANICS
	SILT & CLAY — LIQUID LIMIT GREATER THAN 50			MH	INORGANIC SILT OF HIGH PLASTICITY
				CH	INORGANIC CLAY OF HIGH PLASTICITY
				OH***	ORGANIC, MEDIUM TO HIGH PLASTICITY, SILT-CLAY MIXTURES, LESS THAN 30% ORGANICS
HIGHLY ORGANIC SOIL — 30% OR MORE ORGANICS				PT	PEAT, MUCK, OTHER HIGHLY ORGANIC SOIL

* BASED ON MATERIAL PASSING THE 3" (75MM) SIEVE; COBBLES 3" TO 12"; BOULDERS > 12"
** MATERIALS WITH 5% TO 12% FINES ARE BORDERLINE CASES, DESIGNATED: GW-GM, SW-SC, ETC.
***ORGANIC SOILS (OH/OL) ARE DEFINED BY HAVING A LIQUID LIMIT VALUE AFTER OVEN DRYING THAT IS LESS THAN 75% OF ITS LIQUID LIMIT VALUE BEFORE OVEN DRYING

GRADATION

TERM	% BY DRY WEIGHT
TRACE	< 10
LITTLE	10 to 20
SOME	20 to 35
AND	35 to 50

TERM	% BY VOLUME
OCCASIONAL	< 1
FREQUENT	1 to 10
NUMEROUS	> 10

RELATIVE DENSITY (COARSE-GRAINED SOIL)

TERM	SPT N-VALUE (BLOWS/FT.)
VERY LOOSE	0 to 4
LOOSE	5 to 10
MEDIUM DENSE	11 to 30
DENSE	31 to 50
VERY DENSE	> 50

TERM	PLASTICITY
SILT	NON-PLASTIC
CLAYEY SILT	LOW PLASTICITY
SILTY CLAY	MEDIUM PLASTICITY
CLAY	HIGH PLASTICITY

CONSISTENCY (FINE-GRAINED SOIL)

TERM	SPT N-VALUE (BLOWS/FT.)
VERY SOFT	0 to 2
SOFT	3 to 4
MEDIUM STIFF	5 to 8
STIFF	9 to 15
VERY STIFF	16 to 30
HARD	31 to 50
VERY HARD	> 50

VALUES OF PERCENT CONTENT ARE FROM LABORATORY OR FIELD TEST DATA, WHERE APPLICABLE.
WHEN NO TESTING WAS PERFORMED, VALUES OF PERCENT CONTENT ARE ESTIMATED BASED ON VISUAL OBSERVATION.

NYCBC SOIL AND ROCK CLASSIFICATIONS

Class of Materials*		RQD**	UCS*** (tsf)	N_{60}-Value (bpf)
Bedrock				
1a	Hard Sound Rock	> 85	---	---
1b	Medium Rock	50-85	---	---
1c	Intermediate Rock	35-50	---	---
1d	Soft Rock	< 35	---	---
Sandy Gravel and Gravel (GW, GP)				
2a	Dense	---	---	> 30
2b	Medium	---	---	10-30
Granular Soils (GC, GM, SW, SP, SM, and SC)				
3a	Dense	---	---	> 30
3b	Medium	---	---	10-30
Clays (SC, CL, and CH)				
4a	Hard	---	>4	>30
4b	Stiff	---	1-4	8-30
4c	Medium	---	0.5-1	4-8
Silts and Silty Soils (ML and MH)				
5a	Dense	---	---	> 30
5b	Medium	---	---	10-30
Nominally Unsatisfactory Bearing Materials				
6	Loose Granular Soils	---	---	< 10
	Soft Clay Soils	---	<0.5	< 4
	Loose Silt	---	---	< 10
	All organic silts, organic clays, peats, soft clays, granular soils, and varved silts	---	---	---
Fills				
7	Controlled and Uncontrolled Fills	---	---	---

* See NYCBC Section 1803.3 for complete rock and soil material classification.

** RQD = Rock Quality Designation

*** UCS = Unconfined Compressive Strength

MFS Engineers & Surveyors
2780 Hamilton Blvd
South Plainfield, New Jersey 07080
Telephone: (908) 922-4622
Fax: (866) 517-7413

BORING NUMBER B-1

CLIENT Colliers Engineering & Design
PROJECT NAME NYC Parks – Weeping Beech Park Playground Reconstruction
MFS PROJECT NUMBER 1124054
PROJECT LOCATION Queens, New York

DRILLING AGENCY MFS Construction, LLC
SURFACE ELEVATION 61.80 feet+/-
DATUM NAVD88
DRILLING EQUIPMENT Track Mounted Geoprobe 7822DT
DATE STARTED 9/23/24
COMPLETED 9/23/24
SIZE AND TYPE OF BIT 4-7/8" Tri-Cone Roller Bit
COMPLETION DEPTH 16 feet
ROCK DEPTH ----
CASING ----
NO. SAMPLES 8 **DIST.** 8
UNDIST. 0 **CORE** 0
CASING HAMMER ----
GROUND WATER LEVELS (ft. BG):
AT TIME OF DRILLING ----
WEIGHT ---- **DROP** ----
AT END OF DRILLING ----
AFTER DRILLING ----
SAMPLER 2" and 3" O.D. Split Spoon
FOREMAN Barry Elliott
SAMPLER HAMMER Automatic
INSPECTOR Matthew Zyra
WEIGHT 140 pounds **DROP** 30 inches
CHECKED BY Michael Mudalel, PE

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY (in) (RQD%)	BLOW COUNTS / 6 INCHES (N VALUE)	GRAPHIC LOG	NYC BUILDING CODE	DEPTH BELOW SURFACE (ft)	MATERIAL DESCRIPTION	ELEVATION	REMARKS
0						0.17	2" Asphalt	61.63	Mobilize to boring at 8:55 AM
						0.67	6" Concrete	61.13	Start boring at 9:00 AM
	SS S-1	12	14-13-7 (20)		Class 7	2.00	Moist, tan/red/grey f.-c. SAND and c.-f. Gravel, lt. Silt (brick fragments) (Class 7) (FILL)	59.80	Drill through surface course using 4-7/8" Tri-Cone Roller Bit Take S-1
	SS S-2	22	4-4-7-11 (11)				Moist, tan/brown f.-m. SAND, sm. Silt (Class 3b) (SM)		Clear to 2' below grade using 3" O.D. split spoon Take S-2
5	SS S-3	20	16-17-16-14 (33)				Moist, brown f.-c. SAND, sm. Silt, tr. f. Gravel (Class 3a) (SM)		Clear to 4' below grade using 3" O.D. split spoon Take S-3 Clear to 6' below grade using 3" O.D. split spoon
	SS S-4	16	18-16-18-21 (34)				Moist, brown f.-c. SAND, sm. Silt, lt. c.-f. Gravel (Class 3a) (SM)		Take S-4
	SS S-5	19	63-26-20-15 (46)		Class 3		S-5A - Top 9": COBBLE FRAGMENTS S-5B - Bottom 10": Moist, brown f.-c. SAND, sm. c.-f. Gravel, lt. Silt (Class 3a) (SM)		Take S-5
10	SS S-6	16	19-16-17-15 (33)				Moist, brown f.-c. SAND, sm. Silt, tr. f. Gravel (Class 3a) (SM)		Take S-6
	SS S-7	16	18-17-16-13 (33)				Moist, brown f.-c. SAND, sm. Silt, tr. f. Gravel (Class 3a) (SM)		Take S-7
15	SS S-8	24	19-40-28-31 (68)				Moist, brown/white f.-c. SAND, sm. Silt, tr. f. Gravel (Class 3a) (SM)		Take S-8 End of boring to 16' below grade at 10:00 AM Backfill borehole with soil cuttings and Holeplug Patch to match existing site grade with asphalt cold patch
						16.00	Bottom of borehole at 16.0 feet.	45.80	

*All blow counts and N-values recorded herein are for a 2" O.D. split spoon sampler in accordance with ASTM D1586

MFS BORING LOG WITHOUT ROCK CORING (NYC) - 1214013_GINT.GPJ - 10/8/24 08:55 - \\EGNYTEDRIVE\PUBLIC\JOB_FOLDERS\3\11 NEW YORK\2024\1124054\ENGINEERING DATA\GEOTECHNICAL\GINTLOGS\1124054_BORING LOGS.GPJ

MFS Engineers & Surveyors
2780 Hamilton Blvd
South Plainfield, New Jersey 07080
Telephone: (908) 922-4622
Fax: (866) 517-7413

BORING NUMBER B-2

CLIENT Colliers Engineering & Design
PROJECT NAME NYC Parks – Weeping Beech Park Playground Reconstruction
MFS PROJECT NUMBER 1124054
PROJECT LOCATION Queens, New York

DRILLING AGENCY MFS Construction, LLC
SURFACE ELEVATION 63.10 feet+/-
DATUM NAVD88
DRILLING EQUIPMENT Track Mounted Geoprobe 7822DT
DATE STARTED 9/23/24
COMPLETED 9/23/24
SIZE AND TYPE OF BIT 4-7/8" Tri-Cone Roller Bit
COMPLETION DEPTH 15.92 feet
ROCK DEPTH ----
CASING ----
NO. SAMPLES 8 **DIST.** 8
UNDIST. 0 **CORE** 0
CASING HAMMER ----
GROUND WATER LEVELS (ft. BG):
AT TIME OF DRILLING ----
WEIGHT ---- **DROP** ----
AT END OF DRILLING ----
AFTER DRILLING ----
SAMPLER 2" and 3" O.D. Split Spoon
FOREMAN Barry Elliott
SAMPLER HAMMER Automatic
INSPECTOR Matthew Zyra
WEIGHT 140 pounds **DROP** 30 inches
CHECKED BY Michael Mudalel, PE

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY (in) (RQD%)	BLOW COUNTS / 6 INCHES (N VALUE)	GRAPHIC LOG	NYC BUILDING CODE	DEPTH BELOW SURFACE (ft)	MATERIAL DESCRIPTION	ELEVATION	REMARKS
0						0.33	4" Asphalt	62.77	Mobilize to boring at 10:35 AM
						0.67	4" Concrete	62.43	Start boring at 10:40 AM
	SS S-1	12	13-12-8 (20)		Class 7	2.00	Moist, grey/brown f.-c. SAND, sm. Silt, tr. c.-f. Gravel (brick and concrete fragments) (Class 7) (FILL)	61.10	Drill through surface course using 4-7/8" Tri-Cone Roller Bit Take S-1 Clear to 2' below grade using 3" O.D. split spoon
	SS S-2	2	1-3-3-5 (6)		Class 6	4.00	Moist, brown f.-c. SAND, sm. Silt, tr. f. Gravel (Class 6) (SM)	59.10	Take S-2 Clear to 4' below grade using 3" O.D. split spoon
5	SS S-3	12	18-21-17-18 (38)		Class 3		Moist, brown f.-c. SAND, sm. Silt, tr. f. Gravel (Class 3a) (SM)		Take S-3 Clear to 6' below grade using 3" O.D. split spoon
	SS S-4	11	24-26-30-26 (56)				Moist, brown f.-c. SAND, sm. Silt, tr. f. Gravel (Class 3a) (SM)		Take S-4
10	SS S-5	7	33-33-33-27 (66)				Moist, brown f.-c. SAND, sm. Silt, sm. f.-c. Gravel (Class 3a) (SM)		Take S-5
	SS S-6	0	25-29-33-26 (62)			11.00	No Recovery	52.10	Take S-6 Coarse gravel in split spoon shoe
	SS S-7	24	25-28-100-36 (128)		Class 5	14.00	Moist, brown SILT, sm. f.-c. Sand, tr. f. Gravel (Class 5a) (ML)	49.10	Take S-7
15	SS S-8	11	10-24-24-50/5"		Class 3	15.90	Moist, brown f.-c. SAND, sm. Silt, tr. f. Gravel (Class 3a) (SM)	47.20	Take S-8 Refusal at 15'-11" below grade (spoon bouncing) End of boring to 15'-11" below grade at 12:00 PM Backfill borehole with soil cuttings and Holeplug Patch to match existing site grade with asphalt cold patch

Bottom of borehole at 15.9 feet.

*All blow counts and N-values recorded herein are for a 2" O.D. split spoon sampler in accordance with ASTM D1586

MFS BORING LOG WITHOUT ROCK CORING (NYC) - 1214013_GINT.GPJ - 10/8/24 08:55 - \\EGNYTEDRIVE\PUBLIC\JOB_FOLDERS\3\11 NEW YORK\2024\1124054\ENGINEERING DATA\GEOTECHNICAL\GINTLOGS\1124054_BORING LOGS.GPJ

MFS Engineers & Surveyors
2780 Hamilton Blvd
South Plainfield, New Jersey 07080
Telephone: (908) 922-4622
Fax: (866) 517-7413

BORING NUMBER B-3

CLIENT Colliers Engineering & Design
PROJECT NAME NYC Parks – Weeping Beech Park Playground Reconstruction
MFS PROJECT NUMBER 1124054
PROJECT LOCATION Queens, New York

DRILLING AGENCY MFS Construction, LLC
SURFACE ELEVATION 62.50 feet+/-
DATUM NAVD88
DRILLING EQUIPMENT Track Mounted Geoprobe 7822DT
DATE STARTED 9/23/24
COMPLETED 9/23/24
SIZE AND TYPE OF BIT 4-7/8" Tri-Cone Roller Bit
COMPLETION DEPTH 16 feet
ROCK DEPTH ----
CASING ----
NO. SAMPLES 8 **DIST.** 8
UNDIST. 0 **CORE** 0
CASING HAMMER ----
GROUND WATER LEVELS (ft. BG):
AT TIME OF DRILLING ----
WEIGHT ---- **DROP** ----
AT END OF DRILLING ----
AFTER DRILLING ----
SAMPLER 2" and 3" O.D. Split Spoon
FOREMAN Barry Elliott
SAMPLER HAMMER Automatic
INSPECTOR Matthew Zyra
WEIGHT 140 pounds **DROP** 30 inches
CHECKED BY Michael Mudalel, PE

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY (in) (RQD%)	BLOW COUNTS / 6 INCHES (N VALUE)	GRAPHIC LOG	NYC BUILDING CODE	DEPTH BELOW SURFACE (ft)	MATERIAL DESCRIPTION	ELEVATION	REMARKS
0						0.33	4" Asphalt	62.17	Mobilize to boring at 7:20 AM
						0.67	4" Concrete	61.83	Start boring at 7:25 AM
	SS S-1	5	14-10-6 (16)				Moist, brown c.-f. GRAVEL, sm. f.-c. Sand, lt. Silt (brick and concrete fragments) (Class 7) (FILL)		Drill through surface course using 4-7/8" Tri-Cone Roller Bit Take S-1
	SS S-2	9	8-4-2-8 (6)		Class 7		Moist, brown/red c.-f. GRAVEL, sm. f.-c. Sand, tr. Silt (brick and concrete fragments) (Class 7) (FILL)		Clear to 2' below grade using 3" O.D. split spoon Take S-2
5	SS S-3	13	8-5-7-10 (12)				Moist, brown/tan/red f.-m. SAND, sm. Silt, lt. c.-f. Gravel (brick fragments) (Class 7) (FILL)		Clear to 4' below grade using 3" O.D. split spoon Take S-3 Clear to 6' below grade using 3" O.D. split spoon
						6.00		56.50	
	SS S-4	17	12-10-10-9 (20)		Class 3		Moist, tan f.-m. SAND, tr. Silt (Class 3b) (SP-SM)		Take S-4
						8.00		54.50	
	SS S-5	23	10-6-5-4 (11)		Class 5		Moist, tan/brown SILT and f.-m. Sand (Class 5b) (ML)		Take S-5
10						10.00		52.50	
	SS S-6	6	8-15-42-43 (57)		Class 3		Moist, tan f.-m. SAND, tr. Silt, tr. f. Gravel (Class 3a) (SP-SM)		Take S-6
						12.00		50.50	
	SS S-7	5	44-44-38-22 (82)		Class 3		Moist, brown f.-c. SAND, sm. Silt, tr. f. Gravel (Class 3a) (SM)		Take S-7
15	SS S-8	0	23-23-20-23 (43)				No Recovery		Take S-8 End of boring to 16' below grade at 8:35 AM Backfill borehole with soil cuttings and Holeplug Patch to match existing site grade with asphalt cold patch
						16.00		46.50	

Bottom of borehole at 16.0 feet.

*All blow counts and N-values recorded herein are for a 2" O.D. split spoon sampler in accordance with ASTM D1586

MFS BORING LOG WITHOUT ROCK CORING (NYC) - 1214013_GINT.GPJ - 10/8/24 08:55 - \\EGNYTEDRIVE\PUBLIC\JOB_FOLDERS\3\11 NEW YORK\2024\1124054\ENGINEERING DATA\GEOTECHNICAL\GINTLOGS\1124054_BORING LOGS.GPJ

MFS Engineers & Surveyors
2780 Hamilton Blvd
South Plainfield, New Jersey 07080
Telephone: (908) 922-4622
Fax: (866) 517-7413

BORING NUMBER B-4

CLIENT Colliers Engineering & Design
PROJECT NAME NYC Parks – Weeping Beech Park Playground Reconstruction
MFS PROJECT NUMBER 1124054
PROJECT LOCATION Queens, New York

DRILLING AGENCY MFS Construction, LLC
SURFACE ELEVATION 63.10 feet+/-
DATUM NAVD88
DRILLING EQUIPMENT Track Mounted Geoprobe 7822DT
DATE STARTED 9/20/24
COMPLETED 9/20/24
SIZE AND TYPE OF BIT 4-7/8" Tri-Cone Roller Bit
COMPLETION DEPTH 16 feet
ROCK DEPTH ----
CASING ----
NO. SAMPLES 8 **DIST.** 8
UNDIST. 0 **CORE** 0
CASING HAMMER ----
GROUND WATER LEVELS (ft. BG):
AT TIME OF DRILLING ----
WEIGHT ---- **DROP** ----
AT END OF DRILLING ----
AFTER DRILLING ----
SAMPLER 2" and 3" O.D. Split Spoon
FOREMAN Barry Elliott
SAMPLER HAMMER Automatic
INSPECTOR Matthew Zyra
WEIGHT 140 pounds **DROP** 30 inches
CHECKED BY Michael Mudalel, PE

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY (in) (RQD%)	BLOW COUNTS / 6 INCHES (N VALUE)	GRAPHIC LOG	NYC BUILDING CODE	DEPTH BELOW SURFACE (ft)	MATERIAL DESCRIPTION	ELEVATION	REMARKS
0						0.42	5" Asphalt	62.68	Mobilize to boring at 8:20 AM Start boring at 8:40 AM Drill through surface course using 4-7/8" Tri-Cone Roller Bit and continue to 6" below grade
	SS S-1	9	9-5-4 (9)				Moist, brown f.-c. SAND, lt. Silt, tr. f. Gravel, tr. Organics (brick and asphalt fragments) (Class 7) (FILL)		Take S-1 Clear to 2' below grade using 3" O.D. split spoon
	SS S-2	13	2-3-4-7 (7)		Class 7		Moist, brown/orange SILT, sm. f.-m. Sand, lt. Clay, tr. Organics (Class 7) (FILL)		Take S-2 Clear to 4' below grade using 3" O.D. split spoon
5	SS S-3	13	7-7-7-8 (14)				Moist, orange/tan/brown f.-m. SAND, sm. Silt (Class 7) (FILL)		Take S-3 Clear to 6' below grade using 3" O.D. split spoon
	SS S-4	24	8-7-4-6 (11)		Class 3	6.00	Moist, brown/grey f.-m. SAND, sm. Silt (Class 3b) (SM)	57.10	Take S-4
	SS S-5	24	8-4-4-15 (8)		Class 6	8.00	Moist, brown/grey SILT, sm. f.-m. Sand, lt. Clay (Class 6) (ML) (P.P.=1.0TSF)	55.10	Take S-5
10						10.00		53.10	
	SS S-6	17	15-16-15-13 (31)				Moist, brown f.-c. SAND, sm. Silt, tr. f.-c. Gravel (Class 3a) (SM)		Take S-6
	SS S-7	24	20-17-13-18 (30)		Class 3		Moist, brown f.-c. SAND, sm. Silt, lt. c.-f. Gravel (Class 3b) (SM)		Take S-7
15	SS S-8	12	10-18-17-18 (35)				Moist, brown f.-c. SAND, sm. f.-c. Gravel, sm. Silt (Class 3a) (SM)		Take S-8 End of boring to 16' below grade at 10:10 AM Backfill borehole with soil cuttings and Holeplug Patch to match existing site grade with asphalt cold patch
						16.00		47.10	

Bottom of borehole at 16.0 feet.

*All blow counts and N-values recorded herein are for a 2" O.D. split spoon sampler in accordance with ASTM D1586

MFS BORING LOG WITHOUT ROCK CORING (NYC) - 1214013_GINT.GPJ - 10/8/24 08:55 - \\EGNYTEDRIVE\PUBLIC\JOB_FOLDERS\3\11 NEW YORK\2024\1124054\ENGINEERING DATA\GEOTECHNICAL\GINTLOGS\1124054_BORING LOGS.GPJ

MFS Engineers & Surveyors
2780 Hamilton Blvd
South Plainfield, New Jersey 07080
Telephone: (908) 922-4622
Fax: (866) 517-7413

BORING NUMBER B-5

CLIENT Colliers Engineering & Design
PROJECT NAME NYC Parks – Weeping Beech Park Playground Reconstruction
MFS PROJECT NUMBER 1124054
PROJECT LOCATION Queens, New York

DRILLING AGENCY MFS Construction, LLC
SURFACE ELEVATION 63.50 feet+/-
DATUM NAVD88
DRILLING EQUIPMENT Track Mounted Geoprobe 7822DT
DATE STARTED 9/18/24
COMPLETED 9/18/24
SIZE AND TYPE OF BIT 4-7/8" Tri-Cone Roller Bit
COMPLETION DEPTH 16 feet
ROCK DEPTH ----
CASING ----
NO. SAMPLES 8 **DIST.** 8
UNDIST. 0 **CORE** 0
CASING HAMMER ----
GROUND WATER LEVELS (ft. BG):
AT TIME OF DRILLING ----
WEIGHT ---- **DROP** ----
AT END OF DRILLING ----
AFTER DRILLING ----
SAMPLER 2" and 3" O.D. Split Spoon
FOREMAN Barry Elliott
SAMPLER HAMMER Automatic
INSPECTOR Matthew Zyra
WEIGHT 140 pounds **DROP** 30 inches
CHECKED BY Michael Mudalel, PE

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY (in) (RQD%)	BLOW COUNTS / 6 INCHES (N VALUE)	GRAPHIC LOG	NYC BUILDING CODE	DEPTH BELOW SURFACE (ft)	MATERIAL DESCRIPTION	ELEVATION	REMARKS
0						0.25	3" Asphalt	63.25	Mobilize to boring at 8:20 AM Start boring at 8:50 AM Drill through surface course using 4-7/8" Tri-Cone Roller Bit and continue to 6" below grade
	SS S-1	12	8-6-7 (13)		Class 7		Moist, brown/tan f.-c. SAND, sm. Silt, tr. f. Gravel (Class 7) (FILL)		Take S-1 Clear to 2' below grade using 3" O.D. split spoon
	SS S-2	12	3-3-3-7 (6)				Moist, brown/tan f.-m. SAND and Silt, tr. Organics (Class 7) (FILL)		Take S-2 Clear to 4' below grade using 3" O.D. split spoon
5	SS S-3	19	5-6-10-9 (16)			6.00	Moist, brown/tan f.-m. SAND, sm. Silt, tr. Organics (Class 7) (FILL)	57.50	Take S-3 Clear to 6' below grade using 3" O.D. split spoon
	SS S-4	24	4-5-4-4 (9)		Class 6	8.00	Moist, tan SILT, sm. f.-m. Sand (Class 6) (ML)	55.50	Take S-4
10	SS S-5	16	2-2-2-3 (4)		Class 6	10.00	Moist, brown f.-c. SAND, sm. Silt, tr. f. Gravel (Class 6) (SM)	53.50	Take S-5
	SS S-6	17	11-12-10-11 (22)		Class 3	12.00	Moist, brown f.-c. SAND, sm. Silt, tr. f. Gravel (Class 3b) (SM)	51.50	Take S-6
	SS S-7	14	7-10-17-17 (27)		Class 5	14.00	Moist, brown SILT and f. Sand, lt. Clay (Class 5b) (ML)	49.50	Take S-7
15	SS S-8	24	19-18-19-23 (37)		Class 3	16.00	Moist, brown f.-c. SAND, sm. c.-f. Gravel, lt. Silt (Class 3a) (SM)	47.50	Take S-8 End of boring to 16' below grade at 9:35 AM Backfill borehole with soil cuttings and Holeplug Patch to match existing site grade with asphalt cold patch
							Bottom of borehole at 16.0 feet.		

*All blow counts and N-values recorded herein are for a 2" O.D. split spoon sampler in accordance with ASTM D1586

MFS BORING LOG WITHOUT ROCK CORING (NYC) - 1214013_GINT.GPJ - 10/8/24 08:55 - \\EGNYTEDRIVE\PUBLIC\JOB_FOLDERS\3\11 NEW YORK\2024\1124054\ENGINEERING DATA\GEOTECHNICAL\GINTLOGS\1124054_BORING LOGS.GPJ

APPENDIX C: HISTORIC PHOTOGRAPHS (see Figure 14 for locations)

Photograph H-1. 1922 view of the Bowne House on the right and the southwestern edge of the project site on the left. View looking southeast from Bowne Street at 37th Avenue. Courtesy New York Public Library Digital Collections.

Photograph H-2. 1922 view of the Bowne House on the right and the southwestern edge of the project site on the left. The house on the left was located south of the athletic court. View looking southeast from Bowne Street at 37th Avenue. Courtesy New York Public Library Digital Collections.

Photograph H-3. 1922 view of the Bowne House on the right and the southwestern edge of the project site on the left. View looking southeast from Bowne Street at 37th Avenue. Courtesy New York Public Library Digital Collections.

Photograph H-4. 1923 view of the Bowne House on the right and the southwestern edge of the project site on the left. View looking southeast from Bowne Street at 37th Avenue. Courtesy New York Public Library Digital Collections.

Photograph H-5. 1924 view of the Bowne House with the southwestern edge of the project site in the left foreground. View looking southeast from Bowne Street at 37th Avenue. Courtesy New York Public Library Digital Collections.

Photograph H-6. 1940s view looking north at the former residence on Block 5012, Lot 1 fronting the former Fox Lane/37th Avenue. This area is located south of the athletic court. The former residence on Block 5012, Lot 5 (now the athletic court) is in the left background. Courtesy New York City Municipal Archives.

Photograph H-7. 1940s view looking north at the former residence on Block 5012, Lot 76 (erroneously listed as Lot 5) fronting the former Fox Lane/37th Avenue. This area is located south of the athletic court. Courtesy New York City Municipal Archives.

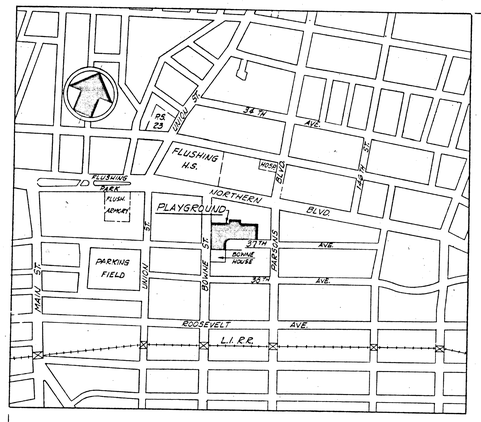
Photograph H-8. 1940s view looking north at the rear of the same former residence on Block 5012, Lot 76 fronting the former Fox Lane/37th Avenue. This area is located south of the athletic court. Courtesy New York City Municipal Archives.

Photograph H-9. 1940s view looking west at the former residence on Block 5012, Lot 68 fronting the former Fox Lane/37th Avenue, with the project site in the right background. This area is now within the roadbed and parking area for 37th Avenue. Courtesy New York City Municipal Archives.

Photograph H-10. A 1956 view of the Bowne House in the background and the project site under construction in the foreground. Courtesy Urban Archive.

Photograph H-11. A 1961 view of the center of the project site, looking northeast. The former wading pool is in the left background and the Weeping Beech tree is in the right background. Courtesy Parks Olmsted Center archives.

APPENDIX D: ORIGINAL 1955 PARK PLANS



CITY OF NEW YORK
DEPARTMENT OF PARKS
ARSENAL · CENTRAL PARK

CONTRACT DRAWINGS FOR

CONSTRUCTION OF A PLAYGROUND

AND ADDITION TO WEEPING BEECH PARK
BOWNE STREET AND 37TH AVENUE
BOROUGH OF QUEENS
KNOWN AS CONTRACT NO. Q-22-155

APPROVED BY

GUSTAVE CHIRLIAN — DIRECTOR OF ENGINEERING

GEORGE D. QUIGLEY — DIRECTOR OF MAINTENANCE & OPERATIONS

JOHN A. MULCAHY — ASSISTANT EXECUTIVE OFFICER

STUART CONSTABLE — EXECUTIVE OFFICER

ROBERT MOSES — COMMISSIONER

PREPARED BY
JOHN J KASSNER & CO
CONSULTING ENGINEERS
111 BROADWAY, NEW YORK 6, N.Y.
July 8, 1955 David Levine

CONTRACT NO. Q-22-155
SHEET NO. 2 OF 32 SHEETS

GENERAL PLAN SYMBOLS & ABBREVIATIONS

	Proposed	Existing
Contours	62	62
Elevations	+62.08	
Property Line		
Legal Grade		(62.80)
Top of Curb, Bottom of Curb	T.C., B.C.	
Top of Wall, Bottom of Wall	T.W., B.W.	
High Point	H.P.	
Finished Floor Elevation	F.F.	
Chain Link Fence (Number Indicates Height)	—8—	——x——
Ornamental Iron Fence	—RW(Reset)—	—x—EW—x—
Sand Pit Fence	—F—	
Wading Pool Fence	—W—	
Wrought Iron Fence (Number Indicates Height)	—7W—	
Wood & Concrete Bench (Number Indicates Number of Units)	10U	
Drinking Fountain	D.F.	
Catch Basins	C.B.	
Drop Inlet	D.I.	
Manhole	M.H.	M.H.
Pole		
Hydrant		
Granite Block Paving		
Concrete Pavement	(3)	
Asphaltic Concrete Pavement (Number Indicates Type)	(4)	
Concrete Curb (Number or Letter Indicates Type)	(2)	
Signs (Number & Letter Indicates Type)	B-5-H	
Kindergarten	Kind.	
Pipe Frame Exercise Unit	P.F.E.U.	
Existing Tree To Remain		
Existing Tree To Be Removed		
Pipe Rail Around Tree Pit		
Trees - Liquidambar Styraciflua, 2½"-3" Cal.		
-Quercus Phellos, 4"-5" Cal.		
Not in Contract	N.I.C.	

Note: For Planting Symbols in Vicinity of The Weeping Beech - See This Sheet

Planted Area

UTILITIES PLAN SYMBOLS & ABBREVIATIONS

	Proposed	Existing
Combined Sewer		
Storm Sewer		
Sanitary Sewer		
Water Main (Arrow Indicates Direction of Pitch)	—W—	—W—
Gas Main	—G—	—G—
Electric Conduit	—E—	—E—
Drop Inlet (Number & Letter Indicates Type)	D-2	
Catch Basin (Number & Letter Indicates Type)	C-2	
Manhole (Number & Letter Indicates Type)	M.H.	M.H.
Top Elevation	T.E.	
Invert Elevation	INV.	
Drinking Fountain	D.F.	
Pole		
Street Washer	S-2	
Quick Coupling Valve (Irrigation)	Q-2	
Valves	V	
Dry Well	DW	
Vitrified Tile Pipe	V.T.P.	
Extra Heavy Cast Iron Pipe	X.H.C.I.	
Cement Lined Steel Pipe	C.L.S.	
Brass Pipe	B.P.	
Not in Contract	N.I.C.	

GENERAL NOTES

All Elevations refer to the Datum used by the Office of the Borough President of Queens which is 2.725 feet above Mean Sea Level as established by the United States Coast and Geodetic Survey at Sandy Hook, N.Y.

UTILITIES

Location of Water Mains shown on Plan are diagrammatic only and final locations will be determined by field conditions, subject to the approval of the Department of Water, Supply, Gas & Electricity.

Location of Catch Basins and Drop Inlets shown on Plans are diagrammatic only and shall be placed at their respective low points to eliminate wet spots.

Locations of existing Sewer Pipe, Drainage Structures, and Water Mains are approximate and are not guaranteed by the City.

All Sewers, Water Mains, Gas Mains, and Electric Conduits shall clear Tree Pits, Benches, Footings, etc. as directed by the Engineer.

All Electrical Equipment shall be furnished, installed and completely wired by the Contractor.

All Electrical Conduits shall slope to Service Box for drainage.

The location of all Boxes and Fixtures as shown is approximate only, and shall be actually determined from the approved Shop Drawings or by the Engineer.

Conduit to ride freely thru Wall of Concrete Box for allowance of contraction and expansion.

GRADING

Finished Surfaces defined by the proposed Contour Lines on sheet No. 4 are ultimate finished surfaces.

CONCRETE NOTES

All Concrete is to be of the class: Concrete for Structures, 1:2:3½ mix, unless otherwise noted.

Concrete Cover for Reinforcing Bars measured to center of the main Bar is to be 2" unless shown otherwise.

Dimensions are to center of Reinforcing Bars.

Hooks of Reinforcing Bars are to be bent to a minimum radius of 3½ Bar diameters for Bars ⅞" and smaller, larger Bars to radius of 4½ Bar diameters. The length from the beginning of the bend to end of Bar shall be 16 Bar diameters.

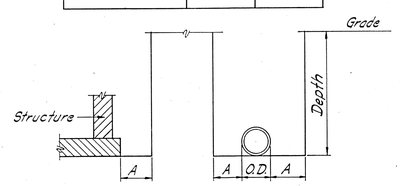
Reinforcing Bars are to be lapped 45 diameters unless shown otherwise.

Exposed Corners of Concrete are to be filleted or chamfered 1" unless shown otherwise.

Details and location of Construction Joints are to be approved by the Engineer before the placing of Concrete.

Exposed Concrete Surfaces shall be formed with plastic-faced Fir Plywood and rubbed with Carborundum to a smooth finish unless noted otherwise.

ITEM	DIMENSION "A" DEPTH UNDER 2'-6"	DIMENSION "A" DEPTH OVER 2'-6"
Uncl. Excav.	6"	12"



MAXIMUM PAYMENT LINES FOR EXCAVATION

LIST OF DRAWINGS

1 TITLE SHEET
2 LIST OF DRAWINGS, SYMBOLS & NOTES
3 GENERAL PLAN
4 GRADING PLAN
5 UTILITIES PLAN
6 DRAINAGE DETAILS
7 WATER SUPPLY DETAILS
8 CONCRETE CHECKERBOARD TABLE AND GARAGE RELOCATION DETAILS
9 DRINKING FOUNTAIN DETAILS
10 CURB PAVEMENT & PLANTING DETAILS
11 COMFORT STATION — TYPE "L" ARCHITECTURAL PLANS, ELEVATIONS & SECTIONS
12 COMFORT STATION — TYPE "L" ARCHITECTURAL DETAILS
13 COMFORT STATION — TYPE "L" ARCHITECTURAL DETAILS
14 COMFORT STATION — TYPE "L" STRUCTURAL PLAN & DETAILS
15 COMFORT STATION — TYPE "L" PLUMBING WORK
16 COMFORT STATION — TYPE "L" HEATING WORK
17 COMFORT STATION — TYPE "L" ELECTRICAL WORK
18 FLAGPOLE DETAILS
19 SAND PIT & 2'-6" IRON FENCE
20 REINFORCED CONCRETE HANDBALL COURT & BACKSTOP
21 WADING POOL ARCHITECTURAL PLAN & DETAILS
22 WADING POOL STRUCTURAL PLAN & DETAILS
23 WADING POOL PLUMBING PLAN & DETAILS
24 CHAIN LINK FENCE & GATE DETAILS
25 BASKETBALL GOAL ON CHAIN LINK FENCE
26 7' HIGH IRON FENCE & GATES-ORNAMENTAL IRON FENCE RELOCATION DETAILS
27 WOOD & CONCRETE BENCH DETAILS
28 PIPE FRAME EXERCISE UNIT & SEE SAW DETAILS
29 PLAY & KINDERGARTEN SLIDES — PLANS & ELEVATIONS
30 PLAY & KINDERGARTEN SLIDES — DETAILS
31 PLAY & KINDERGARTEN SWINGS — DETAILS
32 SIGN DETAILS

PLANTING AT WEEPING BEECH AREA

SYMBOL	NAME OF PLANT	SIZE	QUANTITY
	Ampelopsis quinquefolia	2 yr.	10
HH	Hedera helix	2 yr.	4500
IO_M	Ilex opaca (f = female)	6'-8' Ht.	1
IO_F	Ilex opaca (m = male)	6'-8' Ht.	1
K	Kalmia latifolia	2½'-3' Ht.	40
OX	Oxydendron arboreum	8'-10' Ht.	2
RC	Rhododendron catawbiense	3½'-4' Ht.	8
SO	Sophora japonica	8'-10' Ht.	3
VS	Viburnum setigerum	5'-6' Ht.	7
VT	Viburnum tomentosum	5'-6' Ht.	5

CITY OF NEW YORK
DEPARTMENT OF PARKS
ARSENAL — CENTRAL PARK — NEW YORK

PLAYGROUND AND ADDITION
TO WEEPING BEECH PARK
BOWNE STREET AND 37TH AVENUE
BOROUGH OF QUEENS

DRAWN BY S.U.K.	LIST OF DRAWINGS, SYMBOLS & NOTES	CONTRACT NO. Q-22-155
TRACED BY S.U.K.		SHEET NO. 2
CHECKED BY I.L.		DATE 7-8-55 / SCALE None

JOHN J. KASSNER & CO.
CONSULTING ENGINEERS
111 BROADWAY, NEW YORK 6, N.Y.

CONTRACT NO. Q-22-155
SHEET NO. 3 OF 32 SHEETS

NORTHERN BOULEVARD

BOWNE STREET (EXIST. BIT. PAVEMENT)

PARSONS BOULEVARD

37TH. AVE. (EXIST. BIT. PAVEMENT)

37TH. AVE.

38TH. AVENUE

6 STORY APT. HOUSE

CEMENT YARD

PROP. LINE

PROPERTY LINE

EXISTING GARAGE TO BE RE-LOCATED REMOVE CONCRETE FLOOR & CURB WALLS

EXISTING FRAME DWELLING (To REMAIN)

PRIVATE DWELLINGS

6 STORY APTS.

BASKETBALL COURTS

HANDBALL COURTS

WADING POOL T.C. 62.00

APPROX. AREAS OF TOPSOIL STRIPPING-STRIP AS DIRECTED

COMFORT STATION TYPE 'L' M W EFEL

SAND PIT T.C.EL. 62.00

SEE-SAWS

PLAY SLIDES

FLAGPOLE

BASKETBALL GOAL ON CL. FENCE

BIKE RACKS

BOWNE HOUSE

APARTMENT BLDG.

2½ STORY FRAME DWELLING DEMOLISH & REMOVE AS REQ'D.

NEW CONC. CURB

DEMOLISH & REMOVE 3 ST. FRAME DWELLING AS REQUIRED

STREET PAVT. BY OTHERS

EX. DB

EXIST. BIT. PAVT.

CURB AND SIDEWALK BY OTHERS

DROP CURB SEE DETAIL

EX. BLUESTONE FLAGGING

EX. BRICK CURB

PLANTED AREA

EX. DRIVE

EX. CEM. SIDEWALK

EX. GR. AL. CURB

EX. 12" C.I. CULVERT

LEGAL CURB LINE

LIMIT OF CONTR.

PROPERTY LINE KEY PLAN

Scale: 1"=80'

ELEVATION
SCALE: ½" = 1'-0"
PLAN
DROP CURB DETAIL

FOR SYMBOLS & NOTES SEE SHEET NO. 2

CITY OF NEW YORK
DEPARTMENT OF PARKS
ARSENAL — CENTRAL PARK — NEW YORK

PLAYGROUND AND ADDITION
TO WEEPING BEECH PARK
BOWNE STREET AND 37TH AVENUE
BOROUGH OF QUEENS

DRAWN BY S.J.K. NO	GENERAL PLAN	CONTRACT NO. Q-22-155
TRACED BY S.J.K.		SHEET NO. 3
CHECKED BY D.L.		DATE 7-8-55 / SCALE 1"=20'

JOHN J. KASSNER & CO.
CONSULTING ENGINEERS
111 BROADWAY, NEW YORK 6, N.Y.

NATIONAL BLUE PRINT CO., INC. 4933

CONTRACT NO. Q – 22 – 155

SHEET NO. 4 OF 32 SHEETS

NORTHERN BOULEVARD

BOWNE STREET (EXIST. BIT. PAVT.)

PARSONS BOULEVARD

37TH AVE.

38TH AVENUE

37TH AVENUE (EXIST. BIT. PAVEMENT)

6 STORY APT. HOUSE

BOWNE HOUSE

APARTMENT BLDG.

6 STORY APTS.

PRIVATE DWELLINGS

WADING POOL TC 62.00

CONCRETE HANDBALL COURTS

BASKETBALL COURTS

ASPHALTIC CONCRETE

LAWN

WEEPING BEECH

HOLD EXIST. GRADES

REM. EXIST. CHAIN & POST FENCE

EXISTING FRAME DWELLING (To REMAIN)

RELOCATED GARAGE F.F. EL. 62.10 TC 61.67

EXISTING GAR. (MOVE TO NEW LOC.) REMOVE ON COMPLETION OF NEW GAR. & PAVE

FRAME GAR.

FRAME GARAGE

COMFORT STATION TYPE "L" M W FF EL 62.05

CEDAR OF LEBANON

SAND PIT TC EL 62.00

FLAGPOLE

PLAY SLIDES

SEE-SAWS

KIND SWINGS

GAME TABLES

BENCHES

FENCE ON RAISED CURB

FENCE ON PIERS

FENCE ON CURB

FLUSH CURB

RAISED CURB

DROP CURB

CONCRETE

NEW CONC. SIDEWALK

NEW CONC. CURB

EXIST. BIT. PAVT.

STREET PAVT. BY OTHERS

CURB AND SIDEWALK BY OTHERS

EXIST. CEM. SIDEWALK

EXIST. GR. BLOCK CURB

CURB LINE (LEGAL)

LIMIT OF CONTR.

LIMIT OF CONTRACT

PROP. LINE

PROPERTY LINE

EXIST. CONC. CURB

EXIST. CEM. PLATFORM

EXIST. 4' CL. FENCE ON CONC. CURB ON ART. PROP. TO REMAIN

CEMENT YARD

FIRST YARD

REM. CONC. WALK

REM. BLUESTONE FLAG WALK

PLANTED AREA

LAWN

FENCE & GATES RELOCATED & RESET

REMOVE BLUESTONE FLAGGING

NEW CONC. SIDEWALK

NOTE: ADJUST EXIST WALK GRADE TO MEET NEW SIDEWALK

DRIVEWAY

ASPH. CONC. DRIVEWAY

PORCH

BLUESTONE FLAG WALK TO REMAIN

EX. WOOD SIGNS TO REMAIN

EX. BLUESTONE

EX. FENCE ON RAISED CURB

EX. CURB

EX. SIDEWALK

EX. GR. BL. CURB

EX. STUMP

POLE

MH

CB

HP

DI

TC

BC

EL

ES

RW

LW

UN

Demolish & Remove Remains of Brick Foundation As Required

DEMOLISH & REMOVE 2½ STORY FRAME DWELLING AS REQUIRED

DEMOLISH & REMOVE 2½ STORY F.B. DWELLING & DEMOLISH & REMOVE AS REQUIRED

DEMOLISH & REMOVE 3 ST. FRAME DWELLING AS REQUIRED

REM. CONC. CURB

REMOVE METAL GAR.

REMOVE EX. FR. GAR.

PROPERTY LINE KEY PLAN

Scale: 1"=30'

110. 8'L'V'D

98.66'

24.01'

30°

90°

33.90'

199.50'

270°

270°

172.76'

90°

90° 05'-17"

150.00'

243.39'

270.88'

90°

125.0'

BONNE ST.

PARSONS BLVD.

R=500'

Δ=89°21'-25"

L=779.98'

37th AVE.

180°33'.16"

90°38'.35"

150.00'

89°21'-25"

S 62° E

CITY OF NEW YORK
DEPARTMENT OF PARKS
ARSENAL – CENTRAL PARK – NEW YORK

PLAYGROUND AND ADDITION
TO WEEPING BEECH PARK
BOWNE STREET AND 37TH AVENUE
BOROUGH OF QUEENS

DRAWN BY S.J.K.	GRADING PLAN	CONTRACT NO. Q-22-155
TRACED BY K.C.K.		SHEET NO. 4
CHECKED BY S.J.K.		DATE 7-8-55 / SCALE 1"=20'

JOHN J. KASSNER & CO.
CONSULTING ENGINEERS
111 BROADWAY, NEW YORK 6, N.Y.

FOR SYMBOLS & NOTES SEE SHEET NO. 2

CONTRACT NO. Q-22-155
SHEET NO. 5 OF 32 SHEETS

"NOTES- SEWER IN BOWNE STREET"

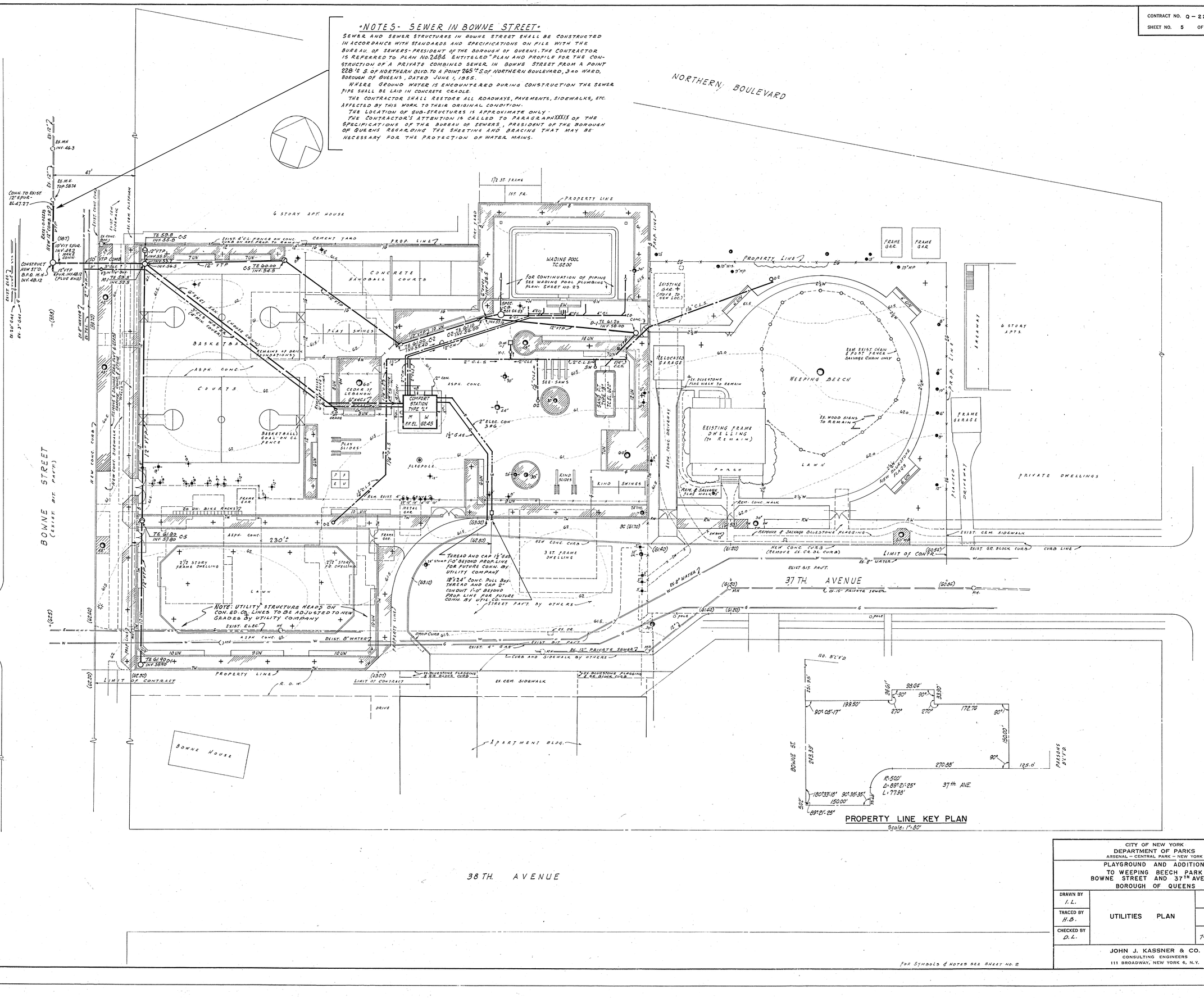
SEWER AND SEWER STRUCTURES IN BOWNE STREET SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARDS AND SPECIFICATIONS ON FILE WITH THE BUREAU OF SEWERS- PRESIDENT OF THE BOROUGH OF QUEENS. THE CONTRACTOR IS REFERRED TO PLAN NO. 2484 ENTITELED "PLAN AND PROFILE FOR THE CONSTRUCTION OF A PRIVATE COMBINED SEWER IN BOWNE STREET FROM A POINT 228'± S. OF NORTHERN BLVD. TO A POINT 265'± S. OF NORTHERN BOULEVARD, 3RD WARD, BOROUGH OF QUEENS, DATED JUNE 1, 1955.

WHERE GROUND WATER IS ENCOUNTERED DURING CONSTRUCTION THE SEWER PIPE SHALL BE LAID IN CONCRETE CRADLE.

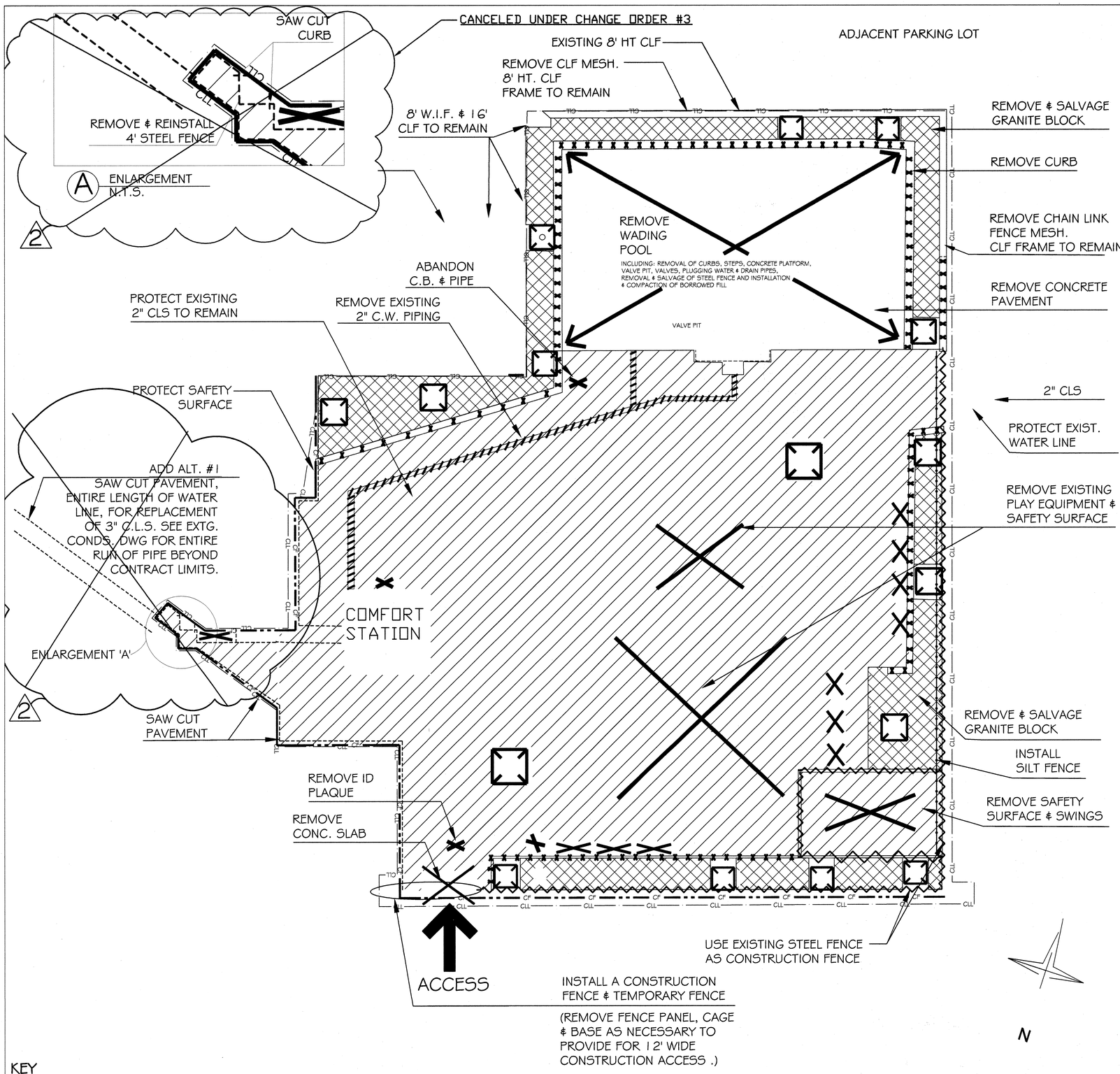
THE CONTRACTOR SHALL RESTORE ALL ROADWAYS, PAVEMENTS, SIDEWALKS, ETC. AFFECTED BY THIS WORK TO THEIR ORIGINAL CONDITION.

THE LOCATION OF SUB-STRUCTURES IS APPROXIMATE ONLY.

THE CONTRACTOR'S ATTENTION IS CALLED TO PARAGRAPH XXXIX OF THE SPECIFICATIONS OF THE BUREAU OF SEWERS, PRESIDENT OF THE BOROUGH OF QUEENS REGARDING THE SHEETING AND BRACING THAT MAY BE NECESSARY FOR THE PROTECTION OF WATER MAINS.


NORTHERN BOULEVARD
BOWNE STREET (EXIST. 80' PAVT.)
37TH AVE.
38TH AVENUE
PARSONS BOULEVARD
4 STORY APT. HOUSE
CONCRETE HANDBALL COURTS
WADING POOL T.C. 62.00
For CONTINUATION OF PIPING SEE WADING POOL PLUMBING PLAN- SHEET NO. 23
BASKETBALL COURTS
ASPH. CONC.
COMFORT STATION TYPE "L" M W EL. 62.45
PLAY SLIDES
PLAY SWINGS
KIND SWINGS
KIND SLIDES
FLAGPOLE
BASKETBALL GOAL ON CL. FENCE
20 UN. BIKE RACKS
2½ STORY FRAME DWELLING
2½ STORY F.D. DWELLING
LAWN
3 ST. FRAME DWELLING
EXISTING GAR. (MOVE TO NEW LOC.)
RELOCATED GARAGE
EXISTING FRAME DWELLING (To REMAIN)
PORCH
WEEPING BEECH
LAWN
REM. EXIST. CHAIN & POST FENCE SALVAGE CHAIN ONLY
EX. BLUESTONE FLAG WALK TO REMAIN
EX. WOOD SIGNS TO REMAIN
NEW BLUESTONE FLAG WALK
REM. & SALVAGE FLAG WALK
REM. CONC. WALK
REMOVE & SALVAGE BLUESTONE FLAGGING
FRAME GAR.
FRAME GARAGE
ARSENAL
G STORY APTS.
PRIVATE DWELLINGS
PLANTED DRIVEWAY
PROPERTY LINE
NEW CONC. CURB
EXIST. CEM. SIDEWALK
EXIST. GR. BLOCK CURB
CURB LINE
LIMIT OF CONTR.
EXIST. BIT. PAVT.
EXIST. 8" WATER
EXIST. 4" GAS
EXIST. 12" PRIVATE SEWER
CURB AND SIDEWALK BY OTHERS
EX. BLUESTONE FLAGGING & EX. BLOCK CURB
EX. CEM. SIDEWALK
DRIVE
APARTMENT BLDG.
BOWNE HOUSE
PROP. 8" W.L.
EX. 12" GAS
EX. 3" GAS
EX. M.H. INV. 46.3
EX. M.H. Top 58.74
CONN. TO EXIST. 12" S.P.U.E. EL. 47.27
CONSTRUCT NEW ST'D. B.R.C. M.H. INV. 48.12
24" V.T.P. SPUR. INV. 48.12 (PLUG END)
60"V.T.P. SPUR. INV. 49.2 MAS'D. CONN.
10" V.T.P. CONN.
EX. 8" WATER
EX. 12" V.T.P.
EX. CONC. BOX
FIRST TEE FROM EAST
EXIST. CONC. CURB
EXIST. 4" C.I. FENCE ON CONC. POST & ON ARCH. PROP. TO REMAIN
REMOVE & SALVAGE 4' C.I. FENCE ON CONC. POST & ON ARCH. PROP. TO REMAIN
REMOVE & SALVAGE 4' CHAIN LINK FENCE ON CONC. POST & ON ARCH. PROP. TO REMAIN
REM. EXIST. 4' C.I. FENCE ON CONC. POST & ON ARCH. PROP.
REM. EXIST. 4' CHAIN LINK FENCE ON CONC. POST & ON ARCH. PROP.
REM. EXIST. 4' C.I. FENCE ON CONC. POST & ON ARCH. PROP. TO REMAIN
REM. EXIST. 4' CHAIN LINK FENCE ON CONC. POST & ON ARCH. PROP. TO REMAIN

APPENDIX E: 2012 PARK RECONSTRUCTION AS BUILT PLANS



KEY

- CLL — CONTRACT LIMIT LINE
- CF — CONSTRUCTION FENCE
- REMOVE ASHPALT PAVEMENT
- REMOVE & SALVAGE GRANITE BLOCK
- D — DRAIN OR CATCH BASIN
- CATCH BASIN
- REMOVE ITEM
- TREE GUARD
- REMOVE BENCH & CONC. SLAB
- M 2" C.L.S — EXISTING WATER LINES
- X — X — EXISTING CHAIN LINK FENCE
- ABANDON PIPE
- REMOVE CONCRETE CURB
- REMOVE FENCE & CURB
- SAW CUT PAVEMENT
- 2 CHANGES FOR AS-BUILT DRAWINGS

REMOVAL NOTES:

1. ALL EXISTING SURVEY AND TOPOGRAPHICAL DATA TAKEN FROM A COMPILATION OF PROPOSED DRAWINGS BY DEPT. OF PARKS AND RECREATION (DPR), DATED JULY 8, 1955, MAP FILE Q-22-155 & FIELD CHECKS.

2. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL EXISTING SITE CONDITIONS, BOTH ABOVE AND BELOW THE SURFACE, PRIOR TO COMMENCING WORK. ANY DISCREPANCIES BETWEEN THE INFORMATION SHOWN ON THE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE RESIDENT ENGINEER AND DPR IN WRITING PRIOR TO COMMENCING WORK.

3. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES AND REGULATIONS GOVERNING THIS WORK. THE CONTRACTOR SHALL COORDINATE DEMOLITION WITH APPLICABLE AGENCIES, UTILITY COMAPNIES, AND/OR SUB-CONTRACTORS.

4. IT IS MANDATORY, AS PER NYS INDUSTRIAL CODE RULE 53, FOR THE CONTRACTOR TO NOTIFY NEW YORK CITY/LONG ISLAND ONE-CALL CENTER, 36-35 BELL BOULEVARD, SUITE 202, BAYSIDE, NY 11361, TEL 800.272.4480, FAX 718.631.6723, EMAIL BSCHUETT@1-CALL.COM, IN ADDITION TO ALL UNDERGROUND FACILITY OPERATORS IN THE AREA WHO ARE NOT ONE-CALL MEMBERS, NOT LESS THAN TWO (2) FULL BUSINESS DAYS AND NOT MORE THAN TEN (10) FULL BUSINESS DAYS BEFORE COMMENCING EXCAVATION. THE ONE-CALL CENTER IS ALWAYS OPEN. THE ONE-CALL CETNER WILL THEN NOTIFY MEMBER FIRMS WITH OPERATIONS IN THE SITE AREA OF THE CONTRACTOR'S PENDING EXCAVATION OPERATIONS. THE CONTRACTOR WILL RECEIVE A NOTIFICATION TICKET FROM THE ONE-CALL CENTER WHICH SHOULD BE PRESENTED TO THE RESIDENT ENGINEER AS PROOF OF THE CALL. THERE IS NO CHARGE FOR THIS SERVICE. THIS PROCESS ENSURES THAT UTILITY SERVICE LINES ARE PROPERLY MARKED PRIOR TO EXCAVATION TO MINIMIZE FACILITY DAMAGE, ON THE JOB INJURIES, AND CONTRACTOR'S LIABILITY. MORE INFORMATION ABOUT THE ONE-CALL CENTER IS AVAILABLE ONLINE AT HTTP://WWW.NYCLI1CALLDSI.COM, WHICH INCLUDES A DESCRIPTION OF THE INFORMATION THAT CONTRACTOR WILL NEED WHEN MAKING THE CALL.

5. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR ANY DAMAGE AND/OR RESTORE ANY INTERRUPTION TO ANY UTILITY SERVICE THAT MAY BE CAUSED BY THE CONTRACTOR'S CONSTRUCTION OR EQUIPMENT, AT THE CONTRACTOR'S EXPENSE, WITH NO ADDITIONAL EXPENSE TO THE CITY OF NEW YORK.

6. ALL EXISTING SEWER, GAS, WATER, AND ELECTRIC UTILITY LINES, AS WELL AS STRUCTURES WITHIN THE CONTRACT AREA SHALL REMAIN, UNLESS REMOVAL OF SAME IS SPECIFICALLY NOTED. ALL STORM DRAINAGE PIPES TO BE ABANDONED OR REMOVED ARE NOTED ON THE PLANS. IF ABANDONED PIPES ARE ENCOUNTERED DURING EXCAVATION, THEN THE CONTRACTOR SHOULD REMOVE PIPE IN AREA OF EXCAVATION AND PLUG AT EACH END OF EXCAVATION. CONTRACTOR SHOULD ENSURE THAT PIPER REALLY IS ABANDONED BEFORE ATTEMPTING THIS OPERATION.

7. THE CONTRACTOR IS TO USE CARE DURING CONSTRUCTION TO AVOID DISTURBING OR DAMAGING ADJACENT ABOVE-GRADE OR SUBGRADE STRUCTURES, FACILITIES, CURBS, PAVEMENTS, AND PERIMETER FENCING. ANY DAMAGE RESULTING FROM THIS WORK WILL BE RESTORED TO THE SATISFACTION OF DPR AT THE CONTRACTOR'S EXPENSE.

8. WHERE NEW CONSTRUCTION ABUTS EXISTING PAVEMENTS, CURBS, OR WALLS, THE EXISTING MATERIALS SHALL BE CLEANLY SAWCUT TO PROVIDE A CLEAN, NEAT MATCH AND A SMOOTH, FLUSH TRANSITION, AS DIRECTED BY THE RESIDENT ENGINEER. ALL SAWCUTTING SHALL BE DONE TO NEAT, STRAIGHT, AND ACCURATE LINES. CONTRACTOR SHALL PROVIDE EXPANSION JOINTS (TIE ROD AND/OR SLIP JOINT) WHERE OLD AND NEW CURBS MEET.

9. THE CONTRACTOR SHALL REPLACE ANY EXISTING CURBS, FENCING, OR PAVEMENTS THAT WERE INTENDED TO REMAIN BUT ARE DAMAGED OR DISTURBED DURING CONSTRUCTION. IF REPLACEMENT IS NECESSARY, IT SHALL BE DONE AT THE CONTRACTOR'S EXPENSE, TO THE SATISFACTION OF DPR AND THE RESIDENT ENGINEER.

10. THE CONTRACTOR SHALL TAKE EXTREME CARE TO PROTECT THE ROOT SYSTEMS OF EXISTING TREES. BULK MATERIAL, EQUIPMENT, OR VEHICLES SHALL NOT BE STOCKPILED OR PARKED WITHIN THE DRIPLINE OF ANY TREE.

11. SEE TREE PROTECTION & STAGING PLAN FOR ADDITIONAL NOTES REGARDING PROTECTION, PRUNING AND DECOMPACTION OF EXISTING TREES.

12. WHEN NECESSARY, THE CONTRACTOR SHALL ALWAYS EXCAVATE BY HAND WITHIN THE DRIPLINE OF EXISTING TREES, OR AS DIRECTED BY THE RESIDENT ENGINEER.

13. IN AREAS DESIGNATED FOR EXCAVATION, ALL EXISTING PAVEMENTS, CURBS, AND CATCH BASINS SHALL BE REMOVED ACCORDING TO THE PLANS AND SPECIFICATIONS, AND AS DIRECTED BY THE RESIDENT ENGINEER.

14. ALL FOOTINGS AND OTHER BELOW-GRADE STRUCTURES TO BE REMOVED SHALL BE EXCAVATED TO A DEPTH OF 4'-0" BELOW FINISHED GRADE AND BACKFILLED WITH APPROVED SUITABLE FILL MATERIAL.

15. THE CONTRACTOR SHALL DISPOSE OF ALL ITEMS AND MATERIALS REMOVED AND NOT SALVAGED, INCLUDING ALL EXCAVATED MATERIAL, OFF-SITE AND IN A LEGAL MANNER.

16. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM THE APPROPRIATE AGENCIES PRIOR TO COMMENCING WORK.

17. ALL MATERIALS TO BE SALVAGED FOR DPR MAINTENANCE & OPERATIONS (M&O) SHALL BE DELIVERED BY THE CONTRACTOR TO XXXXXXXXXXXXXXXXX. THE CONTRACTOR SHOULD CONTACT JOHN BACHMAN, CHIEF OF OPERATIONS 718-430-1812 PRIOR TO ANY DELIVERY. ALL MATERIALS NOT NEEDED BY M&O SHALL BE REMOVED AS INDICATED IN REMOVALS ITEM.

18. THE CONTRACTOR SHALL REMOVE, EXCAVATE, AND DISPOSE OF ALL MATERIALS ACCORDING TO SPECIFICATION.

REMOVALS SCHEDULE

SYMBOL	ITEM	QUANTITY REMOVED	QUANTITY REMOVED & REUSED	QUANTITY SALVAGED TO M & O	REMARKS
	ASPHALT PAVEMENT	15,453 SF			PAID UNDER UNCLASSIFIED EXCAVATION
	WADING POOL	3850 SF			PAID UNDER SEPARATE ITEM
	SAW CUT PAVEMENT	160 LF			PAID UNDER SEPARATE ITEM
	CONCRETE CURB	1070 LF			PAID UNDER UNCLASSIFIED EXCAVATION
	SAW CUT CURB	5 LF			ITEM #12
	4' HT IRON FENCE		6' - NEAR TREE		PAID FOR UNDER REMOVALS
	7' HT IRON FENCE	250 LF			PAID FOR UNDER REMOVALS
	8' FOOT BENCH & CONCRETE SLAB	8			PAID UNDER SEPARATE ITEM
	4' FOOT BENCH & CONCRETE SLAB	5			PAID UNDER SEPARATE ITEM
	GRANITE BLOCK PAVEMENT	391 SY	7 SY	384 SY	PAID UNDER SEPARATE ITEM
	SWINGS	2 BAYS			PAID FOR UNDER REMOVALS
	PLAY EQUIPMENT	2 UNITS			PAID FOR UNDER REMOVALS
	SAFETY SURFACING	213 CY			PAID FOR UNDER REMOVALS
	ID PLAQUE	1			PAID FOR UNDER EXCAVATION
	CLF FABRIC	1320 SF			PAID UNDER SEPARATE ITEM

CONSTRUCTED FOR:

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

PROJECT TITLE
THE RECONSTRUCTION OF A ROPTION OF THE PLAYGROUND, IN WEEPING BEECH PARK LOCATED BETWEEN BOWNE STREET AND 37TH AVENUE BOROUGH OF QUEENS

DRAWING TITLE
REMOVALS PLAN

I CERTIFY THAT THIS AS-BUILT DRAWING IS COMPLETE AND ACCURATE
Roman Natala

CONSTRUCTED BY:
OPTIMUM CONSTRUCTION, INC.
23-73 48TH STREET
LONG ISLAND CITY, NY 11103
TEL.(718) 956-6100

CONTRACT NO. Q22-106M

DATE 05/02/2012 | SCALE 1" = 10'-0" | AS-BUILT | SHEET NO. 4 OF 21

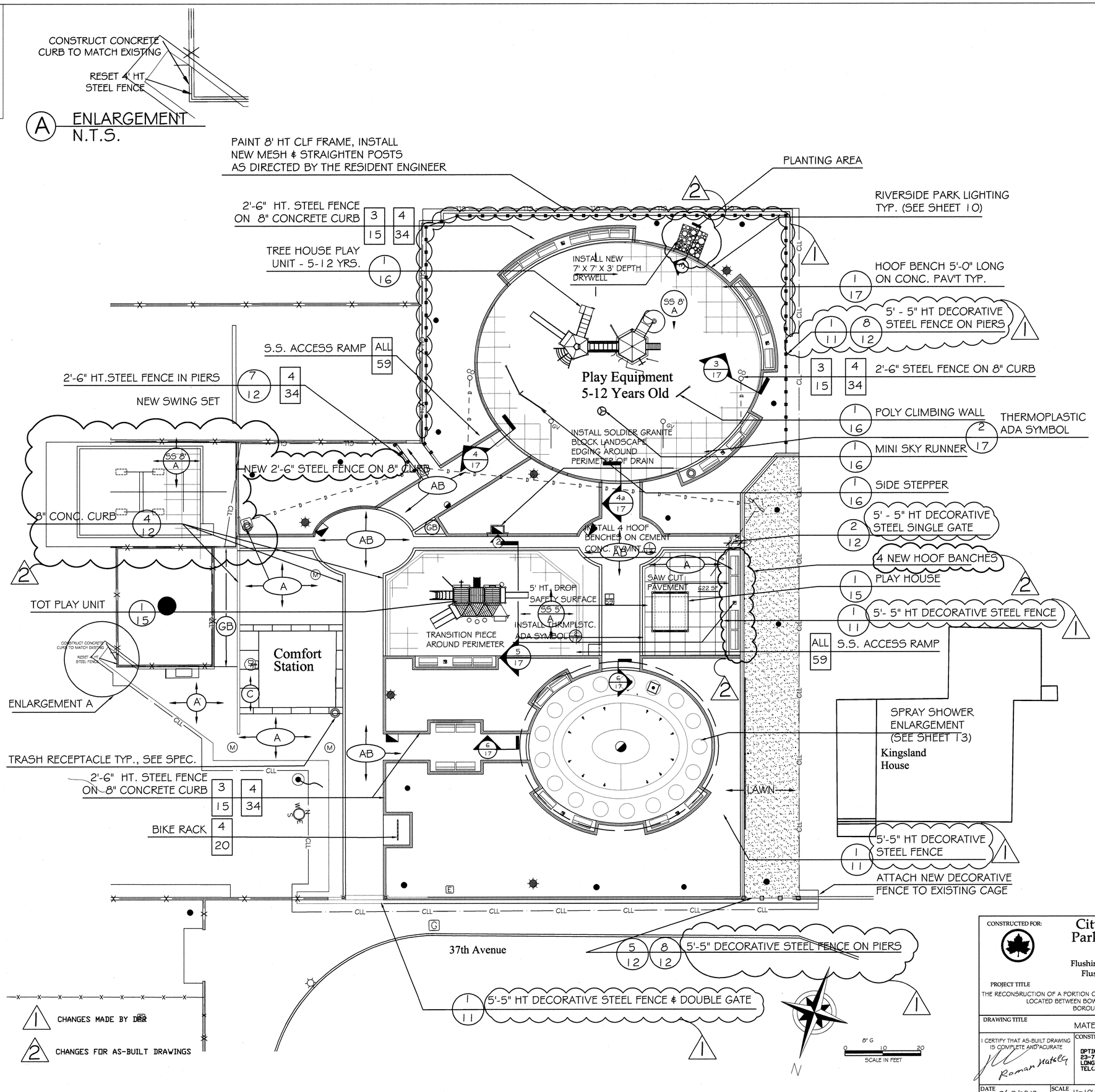
City of New York
Parks & Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, New York 11368

PROJECT TITLE
THE RECONSTRUCTION OF A ROPTION OF THE PLAYGROUND, IN WEEPING BEECH PARK LOCATED BETWEEN BOWNE STREET AND 37TH AVENUE BOROUGH OF QUEENS

DRAWING TITLE
REMOVALS PLAN

DESIGNED BY: RACHEL KRAMER, RLA
DRAWN BY: SHANE WHITE
CHECKED BY: HELEN DERING, RLA
REVIEWED-TEAM LEADER: KEVIN GUINN, RA
APPROVED-DIRECTOR: DAVID CARLSON, RLA
APPROVED-CHIEF OF DESIGN: CHARLES MCKINNEY
APPROVED-CHIEF ENGINEER: JOHN NATOLI, PE
CONTRACT NO. Q22-106M

DATE 11/06/2009 | SCALE 1" = 10'-0" | SHEET NO. 4 OF 21 SHEETS



MATERIALS NOTES:

1. ALL EXISTING SURVEY AND TOPOGRAPHICAL DATA TAKEN FROM A COMPILATION OF PROPOSED DRAWINGS BY DEPT. OF PARKS AND RECREATION (DPR), DATED JULY 8, 1955, MAP FILE Q-22-155 & FIELD CHECKS.

2. THE CONTRACTOR SHALL VERIFY ALL EXISTING SITE CONDITIONS, BOTH ABOVE AND BELOW THE SURFACE. ANY DISCREPANCIES BETWEEN INFORMATION SHOWN ON THE DRAWINGS AND ACTUAL FIELD CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE RESIDENT ENGINEER AND PARKS IN WRITING, PRIOR TO COMMENCING WORK.

3. LOCATIONS OF EXISTING TREES SHALL BE VERIFIED IN THE FIELD.

4. NO CHANGES SHALL BE MADE TO THE DESIGN OR LAYOUT WITHOUT THE WRITTEN APPROVAL OF THE LANDSCAPE ARCHITECT. LAYOUT THE WORK AS DIMENSIONED ON THE PLANS. WRITTEN DIMENSIONS SHALL GOVERN. DO NOT SCALE DISTANCES.

5. CONTRACTOR SHALL LAYOUT AND STAKE IN THE FIELD THE ALIGNMENT AT ALL PATHS, PAVEMENTS AND TRAILS FOR REVIEW BY THE LANDSCAPE ARCHITECT. ADJUSTMENTS MAY BE MADE ONLY AS DIRECTED BY THE LANDSCAPE ARCHITECT. CONTRACTOR MAY NOT PROCEED WITH CONSTRUCTION OF IMPROVEMENTS UNTIL HE HAS RECEIVED THE FINAL APPROVAL OF THE LAYOUT FROM THE LANDSCAPE ARCHITECT.

6. ALL NEW PAVEMENTS CURBS AND EXISTING PAVEMENTS AND CURBS TO REMAIN SHALL MEET IN SMOOTH FLUSH CONDITION UNLESS NOTED OTHERWISE.

7. NEW CURBS, WALLS, AND PAVEMENTS SHALL BE BUILT TO A SMOOTH EVEN FINISH WITH A CONSISTENT TOP AND PROFILE WITHOUT WAVES OR IRREGULARITIES. ANY WORK NOT MEETING THIS QUALITY STANDARD SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.

8. THE CONTRACTOR SHALL EXERCISE CARE DURING EXCAVATION OPERATIONS TO AVOID DISTURBING ADJACENT FACILITIES, SUB GRADE STRUCTURES AND TREES. ALL DAMAGE RESULTING FROM THE CONSTRUCTION SHALL BE THE CONTRACTOR'S RESPONSIBILITY AND SHALL BE REPAIRED AT NO EXPENSE TO THE CITY AND DPR. ALL REPAIR WORK SHALL BE TO THE SATISFACTION OF THE RESIDENT ENGINEER AND DPR. PLANTED AREAS DISTURBED BY HIS WORK SHALL BE RESTORED AS DIRECTED BY THE LANDSCAPE ARCHITECT.

9. NO HEAVY MACHINERY, EQUIPMENT OR STOCKPILING OF MATERIAL IS PERMITTED WITHIN THE DRIP LINES OF EXISTING TREES.

10. THE CONTRACTOR SHALL TAKE SPECIAL CARE TO PROTECT ALL EXISTING TREES AND THEIR ROOT SYSTEM. EXCAVATIONS WITHIN THE DRIP LINES OF TREES SHALL BE KEPT TO A MINIMUM AND SHALL BE COMPLETED BY HAND ONLY AND SHALL BE PERFORMED IN THE PRESENCE OF THE RESIDENT ENGINEER, AT NO ADDITIONAL EXPENSE TO THE CITY. ROOTS OVER 2" DIAMETER SHALL NOT BE DISTURBED AND BRIDGE CURBS SHALL BE CONSTRUCTED WHERE NECESSARY.

11. IN AREAS WHERE NEW PAVEMENTS FALL WITHIN THE DRIP LINE OF EXISTING TREES, THE CONTRACTOR SHALL MINIMIZE EXCAVATIONS AT TREE ROOTS BY REDUCING THE AMOUNT OF FOUNDATION MATERIAL AS DIRECTED BY ENGINEER.

KEY

- ASPHALT BLOCK PAV'T ON STONE SCREENINGS — 10 / 13
- 5' HOOF BENCH TYP — 1 / 17
- TAN SAFETY SURFACE 5' DROP HT ON FULL DEPTH ASPHALT — 1 / 13 | 1 / 59
- TAN SAFETY SURFACE 8' DROP HT ON FULL DEPTH ASPHALT — 1 / 13 | 1 / 59
- LIMITS OF 5'-5" FENCE ON PIERS
- CONTRACT LIMIT LINE
- SECTION DETAIL
- RESET GRANITE BLOCK PAVERS ON SAND — 13 / 13
- CONCRETE PAVEMENT — 1 / 14
- FULL DEPTH ASPHALT PAVEMENT — 1 / 13
- TAN SAFETY SURFACE TILE
- NEW LIGHT POLE
- EXISTING TREE TRUNK

CONSTRUCTED FOR:
City of New York
Parks & Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, New York 11368

PROJECT TITLE
THE RECONSRUCTION OF A PORTION OF THE PLAYGROUND, IN WEEPING BEECH PARK, LOCATED BETWEEN BOWNE STREET AND 37TH AVENUE BOROUGH OF QUEENS

DRAWING TITLE: MATERIALS PLAN

I CERTIFY THAT AS-BUILT DRAWING IS COMPLETE AND ACURATE — Roman Hatala

CONSTRUCTED BY: OPTIMUM CONSTRUCTION, INC. 23-73 48TH STREET LONG ISLAND CITY, NY 11103 TEL.(718) 956-6100

CONTRACT NO. Q22-106M

DATE 05/02/2012 | SCALE 1"=10'-0" | AS-BUILT | SHEET NO.6R OF 21

CONSTRUCTED FOR:
City of New York
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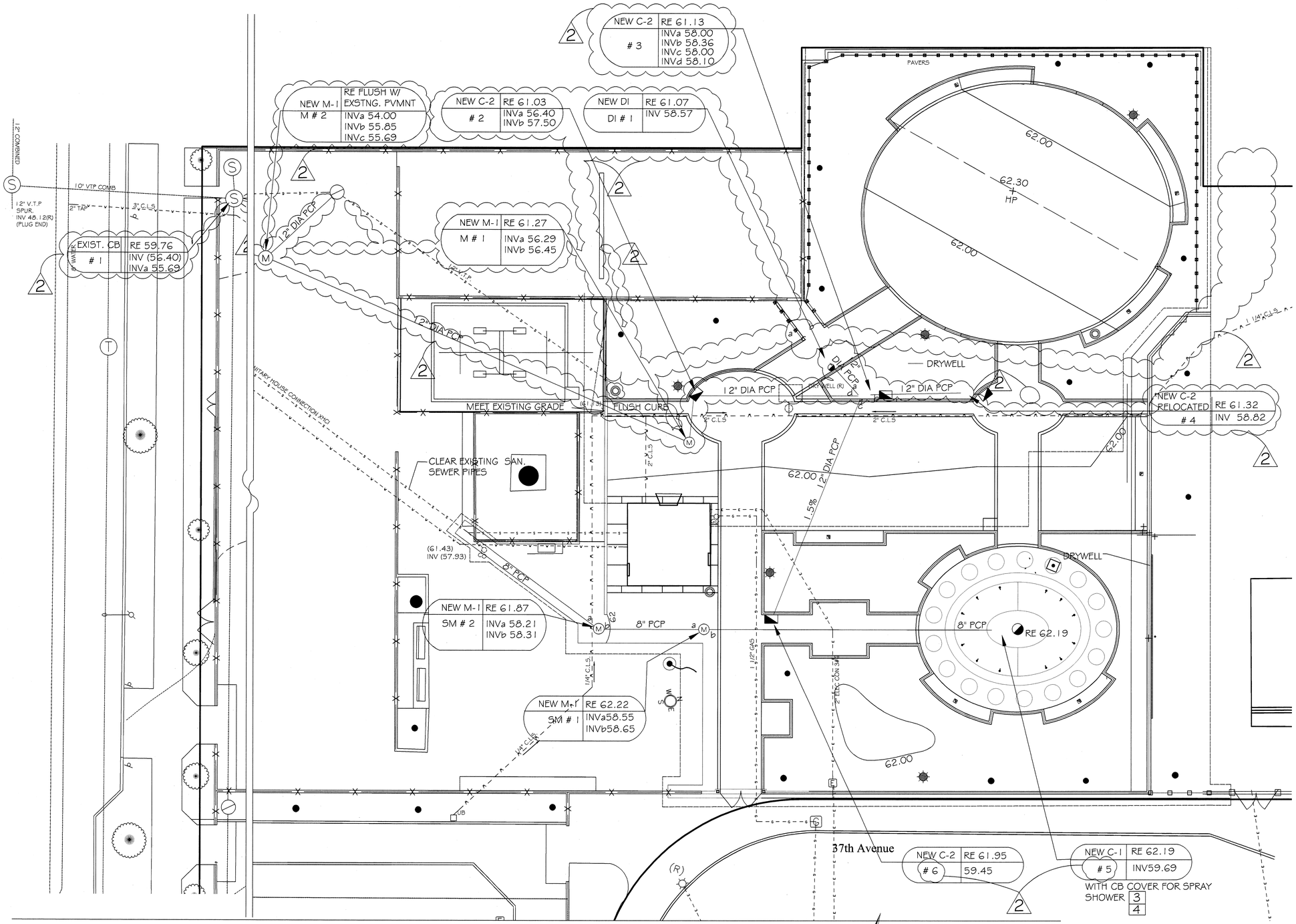
DESIGNED BY: RACHEL KRAMER, RLA
CONSTRUCTED BY: SHANE WHITE
CHECKED BY: HELEN OSRINZ, RLA
REVIEWED-TEAM LEADER: KEVIN QUINN, RA
APPROVED-DIRECTOR: DAVID CARLSON, RLA
APPROVED-CHIEF OF DESIGN: CHARLES MCKINNEY
APPROVED-CHIEF ENGINEER: JOHN MATOLL, PE
CONTRACT NO. Q22-106M

DATE 11/06/09 | SCALE 1"=10'-0" | SHEET NO.6R OF 21 SHEETS



GRADING NOTES:

1. ALL EXISTING SURVEY AND TOPOGRAPHICAL DATA TAKEN FROM A COMPILATION OF PROPOSED DRAWINGS BY DEPT. OF PARKS AND RECREATION (DPR), DATED JULY 8, 1955, MAP FILE Q-22-155 & FIELD CHECKS.

2. THE CONTRACTOR SHALL VERIFY ALL EXISTING TOPOGRAPHIC INFORMATION. ANY DISCREPANCIES BETWEEN THE SURVEY AND EXISTING CONDITIONS, BETWEEN PLANS AND SPECIFICATIONS, OR BETWEEN DIFFERENT PLANS SHALL BE BROUGHT TO THE ATTENTION OF THE RESIDENT ENGINEER AND D.P.R. IN WRITING PRIOR TO COMMENCING WORK.

3. ALL PAVEMENTS SHALL BE INSTALLED TO SMOOTH EVEN GRADE WITH NO PATCHING, IRREGULARITIES, OR BIRDBATHS.

4. ALL NEW PAVEMENTS SHALL MEET EXISTING PAVEMENTS AND GRADES FLUSH AND EVENLY.

5. ALL CURBS SHALL BE INSTALLED TO SMOOTH EVEN GRADES AS INDICATED WITH NO PATCHING OR IRREGULARITIES.

6. THE CONTRACTOR SHALL USE EXTREME CARE TO PROTECT EXISTING TREES AND THEIR ROOTS. EXCEPT AS NOTED, ELEVATIONS AROUND EXISTING TREES SHALL REMAIN THE SAME. MODIFY TRENCHES OR CHANNELS TO AVOID REMAINING TREES AND THEIR ROOTS. ONLY HAND EXCAVATE AS NECESSARY WITHIN THE DRIP LINES OF TREES AS DIR. BY THE RESIDENT ENGINEER.

7. THE CONTRACTOR SHALL EXERCISE EXTREME CARE DURING EARTHWORK OPERATIONS, TO AVOID DISTURBING ADJACENT FACILITIES AND OR SUB GRADE STRUCTURES. ALL DAMAGE RESULTING FROM CONSTRUCTION SHALL BE THE CONTRACTOR'S RESPONSIBILITY AND SHALL BE REPAIRED AT NO EXPENSE TO PARKS & RECREATION OR THE CITY OF NEW YORK. ALL REPAIR WORK SHALL BE DONE TO THE SATISFACTION OF THE RESIDENT ENGINEER AND/OR AGENCY HAVING JURISDICTION.

8. THE NEW LAWN AREA SHALL BE GRADED TO PROVIDE POSITIVE DRAIN BUT IN NO CASE SHALL THE GRADE BE PITCHED TOWARD THE EXISITING ADJACENT BUILDING

DRAINAGE & WATER SUPPLY NOTES

1. INFORMATION SHOWING EXISTING UTILITY LINES MAY BE INCOMPLETE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT LOCATIONS OF ANY UTILITY LINES THEY MAY ENCOUNTER AND TO PROTECT SAID LINES.

2. LOCATIONS OF ALL UTILITIES ARE SHOWN DIAGRAMMATICALLY. THE CONTRACTOR SHALL MAKE PRELIMINARY INVESTIGATIONS, INCLUDING ANY NECESSARY EXCAVATION, TO DETERMINE IF THE WORK CAN BE DONE AS SHOWN ON THE PLANS AND AS DIRECTED BY THE RESIDENT ENGINEER.

3. THE CONTRACTOR SHALL EXERCISE EXTREME CARE DURING EXCAVATION / GRADING OPERATIONS TO PROTECT EXISTING FACILITIES TO REMAIN. SAID FACILITIES SHALL BECOME THE RESPONSIBILITY OF THE CONTRACTOR AND, IF DAMAGED, SHALL BE RESTORED AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE RESIDENT ENGINEER.

4. DRAINAGE LINES WHICH HAVE BEEN ABANDONED ARE TO BE REMOVED AS NECESSARY TO FACILITATE THE INSTALLATION OF NEW WORK. ALL ABANDONED PIPES LARGER THAN 4" SHALL BE PLUGGED WITH CONCRETE AT BOTH ENDS.

5. THE CONTRACTOR SHALL REMOVE ALL DEBRIS AND SILT FROM EXISTING DRAINAGE STRUCTURES AND PIPING AS INDICATED ON PLAN FOR POSITIVE FLOW TO STREET SEWER SYSTEM.

6. ALL CATCH BASINS SHALL BE LOCATED AT THE LOW POINT WITHIN SURROUNDING AREA.

7. MINIMUM COVER FOR DRAINAGE PIPE SHALL BE ONE FOOT (1') FROM FINISHED GRADE TO THE TOP OF PIPE. THE CONTRACTOR SHALL ENSURE THAT POSITIVE DRAINAGE IS ACHIEVED THROUGHOUT THE ENTIRE SYSTEM. SHOULD THE CONTRACTOR FAIL TO ACHIEVE POSITIVE DRAINAGE, CORRECTIVE MEASURES SHALL BE TAKEN AT THE CONTRACTOR'S EXPENSE AND AS DIRECTED BY THE RESIDENT ENGINEER.

8. THE MINIMUM COVER FOR WATER PIPE SHALL BE 1'-6" FROM FINISHED GRADE. THE CONTRACTOR SHALL INSTALL A 2'W x 2'D x 2'L (DW2) DRYWELL AT A SUITABLE LOWPOINT AS SHOWN ON THE PLAN IN ORDER TO ADEQUATELY WINTERIZE THE WATER LINE. ALL WATER PIPES SHALL BE PITCHED AT A MINIMUM SLOPE OF 1/2 % IN THE DIRECTION INDICATED BY THE ARROWS ON THE PLAN TO THE DRYWELL.

9. THE CONTRACTOR SHALL USE EXTREME CARE TO PROTECT EXISTING TREES AND THEIR ROOTS. MODIFY TRENCHES OR CHANNELS TO AVOID EXISTING TREES AND THEIR ROOTS. ONLY HAND AND/OR PNEUMATIC EXCAVATE WITHIN THE DRIP LINES OF EXISTING TREES.

10. FOR PROPOSED DRAINAGE STRUCTURE DETAILS, SEE DPR STANDARD DETAIL #2 & 4. FOR WATER DETAILS, SEE DPR STANDARD DETAIL #6, 8 & 10.

11. THE CONTRACTOR SHALL INVESTIGATE THE INVERT OF THE EXISTING SAN. DRAIN LINE AS DIRECTED BY THE RESIDENT ENGINEER PRIOR TO INSTALLING CB, MH'S, AND DRAIN LINES THAT DRAIN THE SPRAY SHOWER AREA.

REVISIONS NO.	DESCRIPTION	DATE	BY
1	FENCING, PER PDC REVIEW	4/30/10	S. WHITE
2	DRAINAGE SYSTEM BASED ON TV INSPECTION	12/16/10	S. WHITE
3	CURB LAYOUT & GRADING	12/22/10	S. WHITE

LEGEND

- MANHOLE
- CATCH BASIN
- GATE VALVE
- GROUND HYDRANT 1½"
- 4" D I P — 4" DUCTILE IRON PIPE
- NEW POLYETHYLENE CORRUGATED DRAIN PIPE, 12" DIA. — 1" DIA. — NEW COPPER TUBING TYPE K
- 80 — PROPOSED CONTOUR
- BC / TC — BOTTOM OF CURB / TOP OF CURB
- BW / TW — BOTTOM OF WALL / TOP OF WALL
- TSS — TOP OF SAFETY SURFACING

STRUCT. TYPE

XX-2	RE 76.45
#1	INV a 73.85

STRUCT. NO.

DRAINAGE STRUCTURE REFERENCE SEE DPR STANDARD DETAILS
RE RIM ELEVATION
INV INVERT ELEVATION

N

0 10 20
SCALE IN FEET

CONSTRUCTED FOR:

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

PROJECT TITLE
THE RECONSTRUCTION OF A RPOTION OF THE PLAYGROUND, IN WEEPING BEECH PARK LOCATED BETWEEN BOWNE STREET AND 37TH AVENUE BOROUGH OF QUEENS

DRAWING TITLE
DRAINAGE PLAN

I CERTIFY THAT THIS AS-BUILT DRAWING IS COMPLETE AND ACCURATE — R.M.

CONSTRUCTED BY:
OPTIMUM CONSTRUCTION, INC.
23-73 48TH STREET
LONG ISLAND CITY, NY 11103
TEL:(718) 956-6100

CONTRACT NO. Q22-106M

DATE 05/09/2012 | SCALE 1" = 10'-0" | AS-BUILT | SHEET NO 8R OF 21

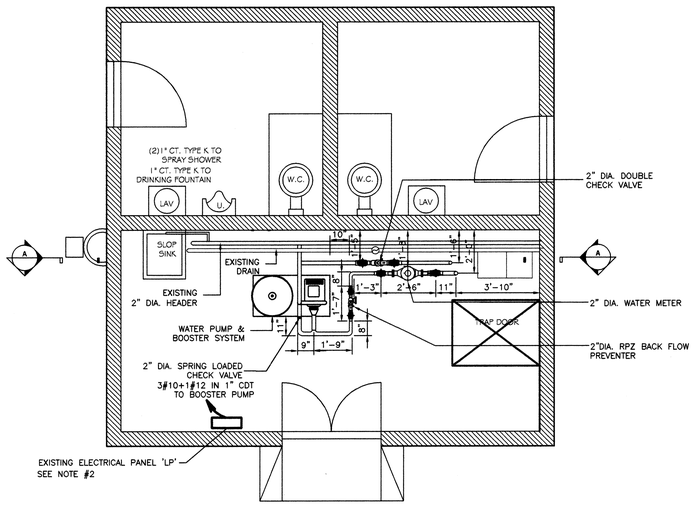
City of New York
Parks & Recreation
Olmsted Center
Flushing Meadows Corona Park
Flushing, New York 11368

PROJECT TITLE
THE RECONSTRUCTION OF A PORTION OF THE PLAYGROUND, IN WEEPING BEECH PARK, LOCATED BETWEEN BOWNE STREET AND 37TH AVENUE BOROUGH OF QUEENS

DRAWING TITLE
DRAINAGE PLAN

DESIGNED BY	DRAWN BY	CHECKED BY
RACHEL KRAMER, RLA	SHANI WHITE	HELEN OGRINZ, RLA
REVIEWED-TEAM LEADER	FORESTRY:	APPROVED-DIRECTOR
KEVIN QUINN, RA	SIBYLLE MENENDEZ	DAVID CARLSON, RLA
APPROVED-CHIEF OF DESIGN	APPROVED-CHIEF ENGINEER	CONTRACT NO.
CHARLES MCKINNEY	JOHN NATOLI, PE	Q022-106M

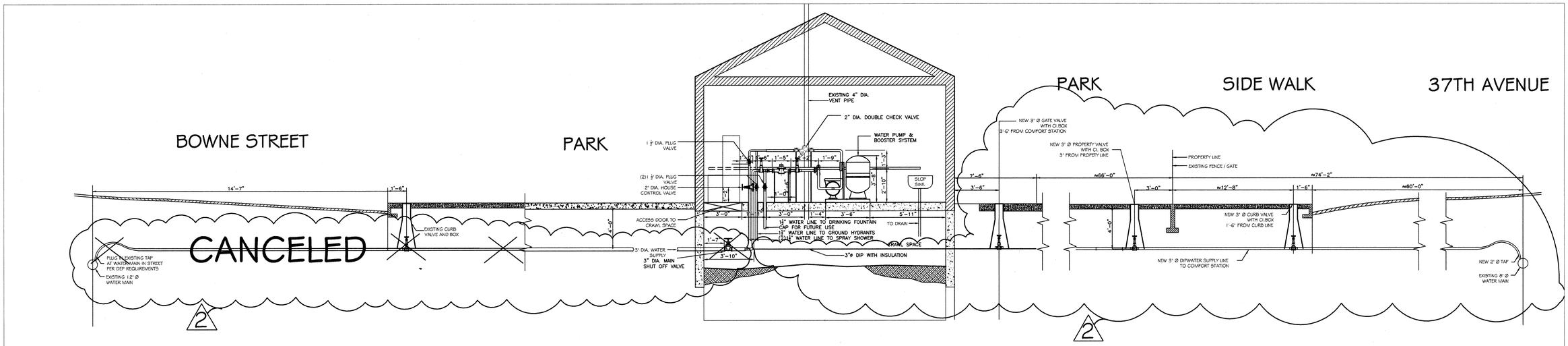
DATE 11/6/09 | SCALE 1"=10'-0" | DRAWING NO. | SHEET NO. 8R OF 21 SHEETS



PLAN

ELECTRICAL NOTES

1. THE CONTRACTOR SHALL VERIFY AND EXAMINE ALL EXISTING FIELD CONDITIONS PRIOR TO THE START OF WORK. ALL DISCREPANCIES SHALL BE NOTED BY SKETCHES AND DRAWINGS, AND SHALL BE REPORTED IN WRITING TO THE ENGINEER BEFORE WORK COMMENCES.
2. FURNISH AND INSTALL ONE CIRCUIT BREAKERS: 2 POLE, TRIP 30 AMP FOR BOOSTER PUMP IN EXISTING ELECTRICAL PANEL. INSTALL NEW CIRCUIT BREAKER INSTAD OF TWO EXISTING SPARE CIRCUIT BREAKERS ##5,6.
3. PROVIDE POWER TO BOOSTER PUMP FROM EXISTING ELECTRICAL PANEL 'EP', USE NEWLY INSTALLED CIRCUIT BREAKER.
4. ALL WORK SHALL BE PERFORMED BY N.Y.C. LICENSED ELECTRICIAN AND IN COMPLIANCE WITH THE NATIONAL ELECTRICAL CODE AND UTILITY CO. REQUIREMENTS.
5. ALL EQUIPMENT SHALL BE BONDED TO GROUNDING SYSTEM IN COMPLIANCE WITH NATIONAL ELECTRICAL CODE.
6. CONTRACTOR SHALL REVISE PANEL DIRECTORY UPON COMPLETION OF WORK.
7. MINIMUM CONDUIT AND WIRE SIZE SHALL BE 3/4" AND #12 AWG, COPPER RESPECTIVELY. ALL CONDUCTORS AND LUG CONNECTIONS SHALL BE COPPER.



SECTION COMFORT STATION
NTS

NOTE:

2 CHANGES FOR AS-BUILT DRAWINGS

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PROJECT TITLE	THE RECONSRUCTION OF A PORTION OF THE PLAYGROUND, IN WEEPING BEECH PARK, LOCATED BETWEEN BOWNE STREET AND 37TH AVENUE BOROUGH OF QUEENS
DRAWING TITLE	RPZ & BOOSTER PUMP DETAILS & ELECTRICAL PLAN
I CERTIFY THAT AS-BUILT DRAWING IS COMPLETE AND ACURATE	CONSTRUCTED BY: OPTIMUM CONSTRUCTION, INC. 23-73 48TH STREET LONG ISLAND CITY, NY 11103 TEL.(718) 956-6100
	CONTRACT NO. Q22-106M
DATE 05/02/2012	SCALE N.T.S. AS-BUILT
	SHEET NO. 19 OF 21

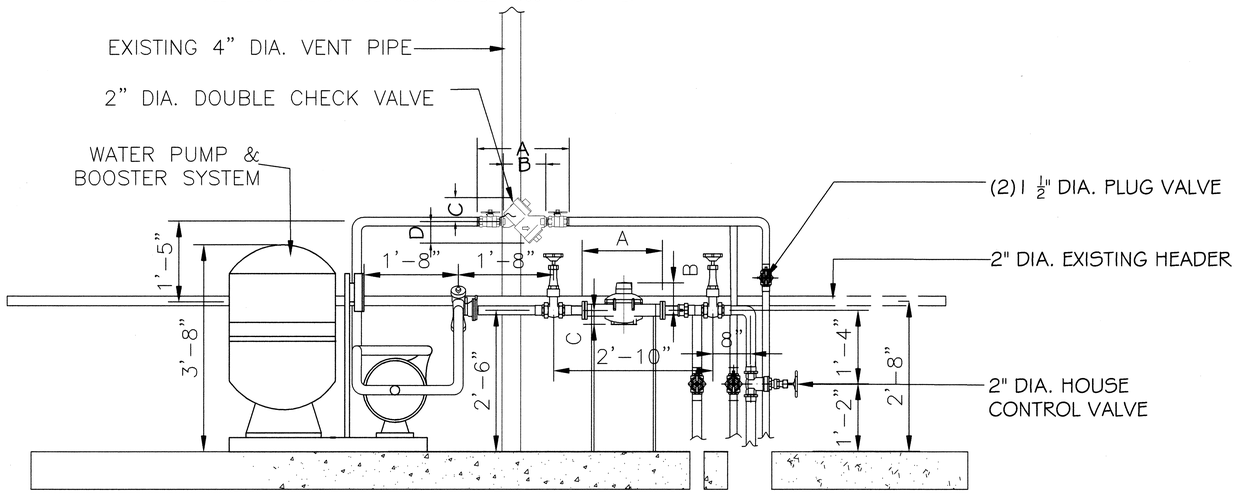
CONSTRUCTED FOR:	City of New York Parks & Recreation Olmsted Center Flushing Meadows Corona Park Flushing, New York 11368
PROJECT TITLE	THE RECONSTRUCTION OF A PORTION OF THE PLAYGROUND, IN WEEPING BEECH PARK LOCATED BETWEEN BOWNE STREET AND 37TH AVENUE BOROUGH OF QUEENS
DRAWING TITLE	RPZ & BOOSTER PUMP DETAILS & ELECTRICAL PLAN
DESIGNED BY R. PERSAUD	CONSTRUCTED BY: R. PERSAUD
CHECKED BY H. RASHID	
REVIEWED-TEAM LEADER KEVIN QUINN, RA	APPROVED-DIRECTOR DAVID CARLSON, RLA
APPROVED-CHIEF OF DESIGN CHARLES MCKINNEY	APPROVED-CHIEF ENGINEER JOHN NATOLI, PE
CONTRACT NO. Q22-106M	
DATE 11/6/09	SCALE N.T.S.
	SHEET NO. 19 OF 21 SHEETS

SIZE (INCH)	REDUCED PRESSURE ZONE (RPZ) BACKFLOW PREVENTER					
	COMPANY	MO-DEL	A	B	C	D
2	FEBCO	825YA	19	10?	5?	5½

SIZE (INCH)	WATER METER (WM)						
	COMPANY	MO-DEL	DIMENSIONS (INCH) A	B	C	CONNEC-TION	REMOTE SYSTEM FOR PIT METER SETTING
2	NEPTUNE-10	T-10	17	6?	3?	OVAL FLANGE	Proread ARB System
	ABB Water Meter, Inc.	C-700	17	8½	1?		Remote Meter ABB SCANCODER System

NOTES: WATER METER SHALL BE TESTED AT DEP'S METER TESTING FACILITY PRIOR TO INSTALLATION.

ALL REMOTE READING DEVICES SHALL BE TOUCH-PAD TYPE.



BOOSTER PUMP / RPZ & DCV ARRANGEMENT

NOTE:

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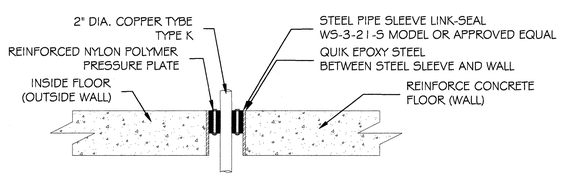
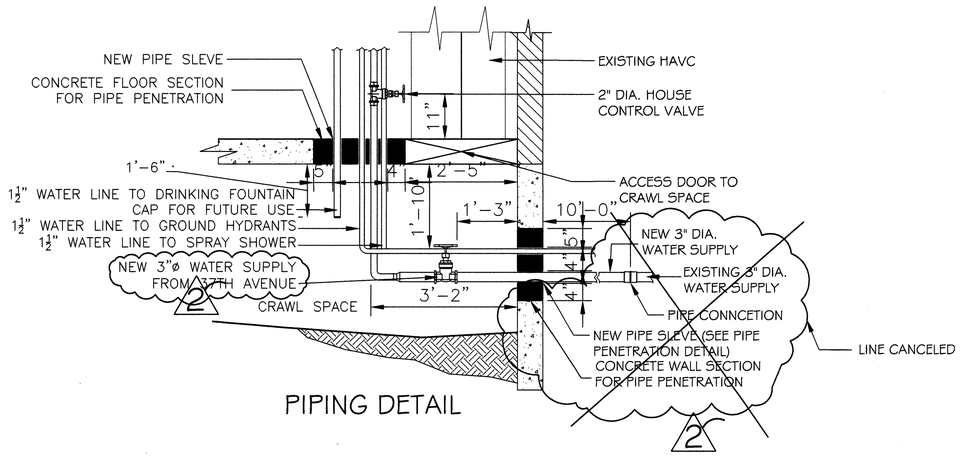


DETAIL OF PIPE PENETRATION OF CONCRETE FLOOR / WALL (TYP)



PIPING DETAIL

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DRAWING TITLE: RPZ & PLUMBING DETAILS

I CERTIFY THAT AS-BUILT DRAWING IS COMPLETE AND ACURATE

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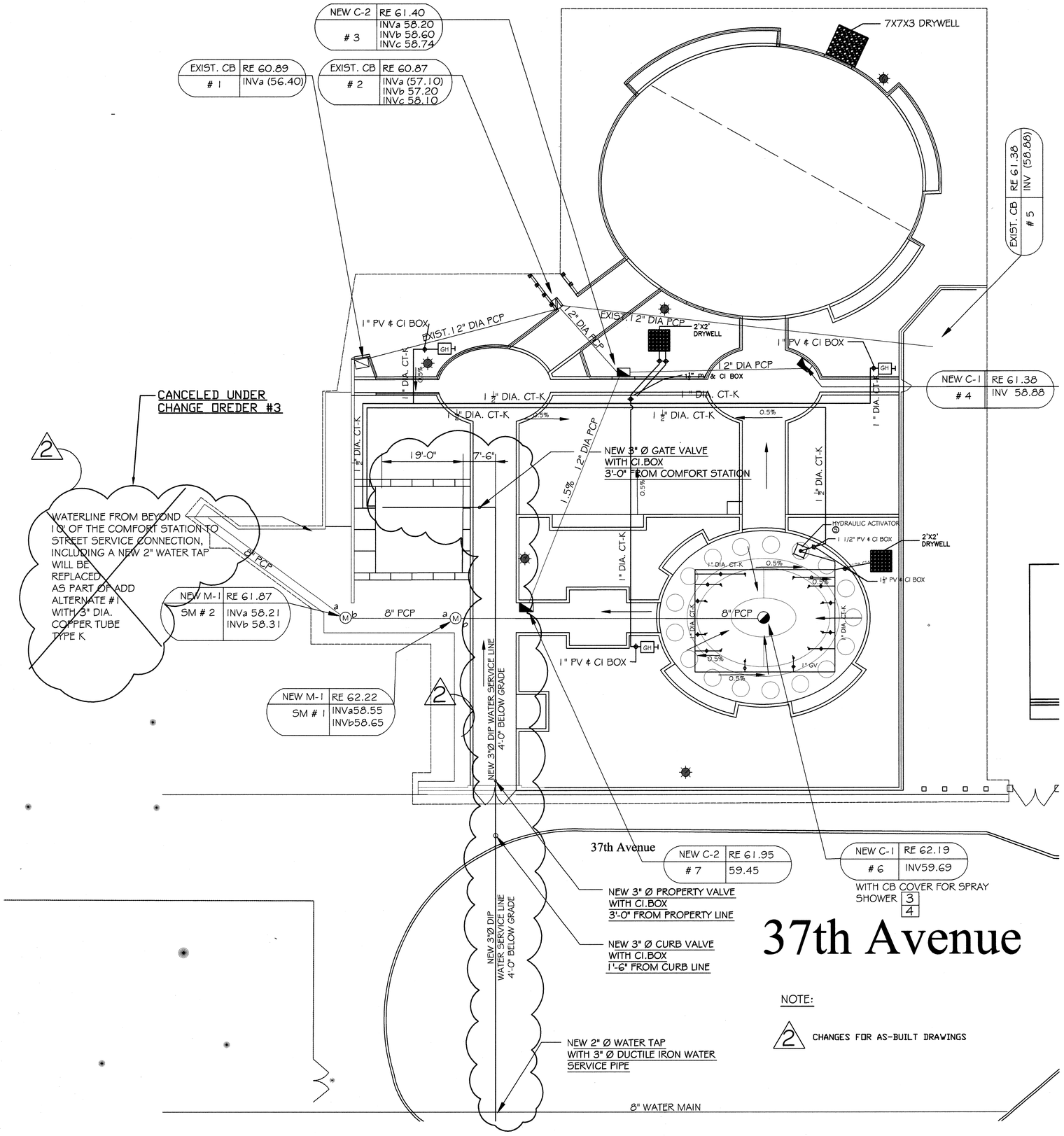
DRAWING TITLE: RPZ & PLUMBING DETAILS

DESIGNED BY	CONSTRUCTED BY:	CHECKED BY
R. PERSAUD	R. PERSAUD	H. RASHID
REVIEWED-TEAM LEADER: KEVIN QUINN, RA		APPROVED-DIRECTOR: DAVID CARLSON, RLA
APPROVED-CHIEF OF DESIGN: CHARLES MCKINNEY	APPROVED-CHIEF ENGINEER: JOHN NATOLI, PE	CONTRACT NO. Q22-106M
DATE 11/6/09	SCALE N.T.S.	SHEET NO. 20 OF 21 SHEETS



DRAINAGE & WATER SUPPLY NOTES

1. INFORMATION SHOWING EXISTING UTILITY LINES MAY BE INCOMPLETE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT LOCATIONS OF ANY UTILITY LINES THEY MAY ENCOUNTER AND TO PROTECT SAID LINES.

2. LOCATIONS OF ALL UTILITIES ARE SHOWN DIAGRAMMATICALLY. THE CONTRACTOR SHALL MAKE PRELIMINARY INVESTIGATIONS, INCLUDING ANY NECESSARY EXCAVATION, TO DETERMINE IF THE WORK CAN BE DONE AS SHOWN ON THE PLANS AND AS DIRECTED BY THE RESIDENT ENGINEER.

3. THE CONTRACTOR SHALL EXERCISE EXTREME CARE DURING EXCAVATION / GRADING OPERATIONS TO PROTECT EXISTING FACILITIES TO REMAIN. SAID FACILITIES SHALL BECOME THE RESPONSIBILITY OF THE CONTRACTOR AND, IF DAMAGED, SHALL BE RESTORED AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE RESIDENT ENGINEER.

4. DRAINAGE LINES WHICH HAVE BEEN ABANDONED ARE TO BE REMOVED AS NECESSARY TO FACILITATE THE INSTALLATION OF NEW WORK. ALL ABANDONED PIPES LARGER THAN 4" SHALL BE PLUGGED WITH CONCRETE AT BOTH ENDS.

5. THE CONTRACTOR SHALL REMOVE ALL DEBRIS AND SILT FROM EXISTING DRAINAGE STRUCTURES AND PIPING AS INDICATED ON PLAN FOR POSITIVE FLOW TO STREET SEWER SYSTEM.

6. ALL CATCH BASINS SHALL BE LOCATED AT THE LOW POINT WITHIN SURROUNDING AREA.

7. MINIMUM COVER FOR DRAINAGE PIPE SHALL BE ONE FOOT (1') FROM FINISHED GRADE TO THE TOP OF PIPE. THE CONTRACTOR SHALL ENSURE THAT POSITIVE DRAINAGE IS ACHIEVED THROUGHOUT THE ENTIRE SYSTEM. SHOULD THE CONTRACTOR FAIL TO ACHIEVE POSITIVE DRAINAGE, CORRECTIVE MEASURES SHALL BE TAKEN AT THE CONTRACTOR'S EXPENSE AND AS DIRECTED BY THE RESIDENT ENGINEER.

8. THE MINIMUM COVER FOR WATER PIPE SHALL BE 1'-6" FROM FINISHED GRADE. THE CONTRACTOR SHALL INSTALL A 2'W x 2'D x 2'L (DW2) DRYWELL AT A SUITABLE LOWPOINT AS SHOWN ON THE PLAN IN ORDER TO ADEQUATELY WINTERIZE THE WATER LINE. ALL WATER PIPES SHALL BE PITCHED AT A MINIMUM SLOPE OF 1/2 % IN THE DIRECTION INDICATED BY THE ARROWS ON THE PLAN TO THE DRYWELL.

9. THE CONTRACTOR SHALL USE EXTREME CARE TO PROTECT EXISTING TREES AND THEIR ROOTS. MODIFY TRENCHES OR CHANNELS TO AVOID EXISTING TREES AND THEIR ROOTS. ONLY HAND AND/OR PNEUMATIC EXCAVATE WITHIN THE DRIP LINES OF EXISTING TREES.

10. FOR PROPOSED DRAINAGE STRUCTURE DETAILS, SEE DPR STANDARD DETAIL #2 & 4. FOR WATER DETAILS, SEE DPR STANDARD DETAIL #6, 8 & 10.

11. THE CONTRACTOR SHALL INVESTIGATE THE INVERT OF THE EXISTING SAN. DRAIN LINE AS DIRECTED BY THE RESIDENT ENGINEER PRIOR TO INSTALLING CB, MH'S, AND DRAIN LINES THAT DRAIN THE SPRAY SHOWER AREA.

LEGEND

○	MANHOLE
◐	CATCH BASIN
⊖	GATE VALVE
⊡	GROUND HYDRANT 1½"
4" D I P	4" DUCTILE IRON PIPE
	NEW POLYETHYLENE CORRUGATED DRAIN PIPE, 12" DIA.
1" DIA.	NEW COPPER TUBING TYPE K
POB 0+0	STATION POINTS
(80)	EXISTING CONTOUR
80	PROPOSED CONTOUR
BC / TC	BOTTOM OF CURB / TOP OF CURB
BC / TC	BOTTOM OF CURB / TOP OF CURB
BW / TW	BOTTOM OF WALL / TOP OF WALL
TSS	TOP OF SAFETY SURFACING
BW / TW	BOTTOM OF WALL / TOP OF WALL

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