

**ARCHIVAL PHOTOGRAPHIC DOCUMENTATION**

**MORDECAI LINCOLN HOMESTEAD  
AND MILL COMPLEX,  
MORDECAI LINCOLN MILL**

**Scituate, Massachusetts**

John J. Daly  
Melissa Andrade

Submitted to:

**PrincetonHydro**  
931 Main Street, Suite 2  
Glastonbury, Connecticut 06073

and

**Town of Scituate**

Submitted by:

**PAL**  
26 Main Street  
Pawtucket, Rhode Island 02860



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**ARCHIVAL PHOTOGRAPHIC DOCUMENTATION  
MORDECAI LINCOLN HOMESTEAD AND MILL COMPLEX,  
MORDECAI LINCOLN MILL**

<b><u>Location:</u></b>	68 Mordecai Lincoln Road Scituate, Plymouth County, Massachusetts USGS Weymouth Quadrangle, 1984 Universal Transverse Mercator Coordinates:19.0352400.4676103
<b><u>Date (s) of Construction:</u></b>	Dam—ca. 1691 et seq.; Mill—between 1876 and 1901
<b><u>Architect/Engineer:</u></b>	Unknown
<b><u>Present Owner:</u></b>	Marjorie T. Ladd (Mill) and Town of Scituate (Dam)
<b><u>Present Occupant:</u></b>	Not applicable
<b><u>Present Use:</u></b>	Storage
<b><u>Significance:</u></b>	<p>The Moredecai Lincoln Mill and its Mordecai Lincoln Road Pond Dam (aka Hunters Pond Dam, Dam No. MA02472) are contributing resources within the Mordecai Lincoln Homestead and Mill Complex (MHC Nos. SCI.116 and SCI.117, see Appendix B), a historic property determined to be eligible for listing in the National Register of Historic Places (National Register). The Mordecai Lincoln Homestead and Mill Complex (the Mordecai Lincoln Complex), established ca. 1691, is significant under Criteria A and C at the local level in the areas of Industry and Architecture. The Homestead is an exceptional example of the Colonial Style with Georgian Period or Federal Period updates. The Mill may be the only surviving example of Scituate's early industrial period. The Mordecai Lincoln Homestead and Mill Complex also contributes to the significance of the Mordecai Lincoln Area (MHC No. SCI.M), which has also been determined eligible for listing in the National Register.</p>
<b><u>Project Information:</u></b>	<p>The Town of Scituate, with assistance from the U.S. Fish &amp; Wildlife Service (USFWS), removed portions of the Hunters Pond Dam and conducted repairs to associated water control features to mitigate flooding threats and restore diadromous fish habitat. The Hunters Pond Dam Removal Project (the Project) was subject to review under Section 106 of the National Historic Preservation Act of 1966, as amended (the NHPA), and its implementing regulations (36 CFR 800). The USFWS, acting as the lead federal agency for the undertaking (replacing the National Oceanic and Atmospheric Administration, or NOAA), consulted with the Massachusetts State Historic Preservation Office/Massachusetts Historical Commission (MA SHPO/MHC) about the proposed Project and determined that the Mordecai Lincoln Complex was a historic property that would be subject to an adverse effect. Further consultation resulted in the development of a Memorandum of Agreement (MOA, Appendix C) containing stipulations to avoid,</p>

minimize, and mitigate the Project's adverse effects to historic properties. Included in the MOA was a stipulation for the preparation of this archival historical documentation of the Mordecai Lincoln Mill and its associated dam to the standards of the MHC and the Massachusetts State Archives.

John J. Daly (Senior Industrial Historian) and  
Melissa Andrade (Architectural Historian)  
The Public Archaeology Laboratory, Inc. (PAL)  
26 Main Street  
Pawtucket, RI 02860

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## PART I. DESCRIPTIVE INFORMATION

### **Setting**

The Mordecai Lincoln Mill (the Mill) and associated Mordecai Lincoln Road Pond Dam (aka Hunters Pond Dam, Dam No. MA02472) are within the Mordecai Lincoln Homestead and Mill Complex (the Mordecai Lincoln Complex, MHC Nos. SCI.116 and SCI.117) 0.25 mile north and on the periphery of the village of North Scituate. The dam (an earthen embankment) is on both sides of the boundary of the towns of Cohasset (Norfolk County) and Scituate (Plymouth County), with the wood Mill building sited at the northeast corner of the dam and located entirely within Scituate.

Bound Brook (also historically known as the Conohasset or Conhassitt River)—the historical power source for the Mill—flows north–northwest and is impounded by the dam, creating Hunters Pond (formerly known as Lincoln’s Pond). The tree-lined, 1.4-acre pond has a storage capacity of 10.5 acre-feet and lies between Country Way, to the west, and Mordecai Lincoln Road, to the east. Portions of the impoundment are now filled with sediment (GZA GeoEnvironmental 2013; Princeton Hydro 2016a). Two dam outlets (discussed below) flow into brook channels downstream of the dam and are confined in areas between dry-laid rubblestone walls. Immediately north of the dam and Mill, Bound Brook terminates as it enters the Gulf, a tidal inlet that runs north into Cohasset Harbor (1.5 miles to the north). Mordecai Lincoln Road, a narrow paved local route, runs along the crest of the dam, passing over the dam’s spillway channel via the Mordecai Lincoln Road Bridge (MHC No. SCI.910).

The Mordecai Lincoln Homestead (62 Mordecai Lincoln Road, built 1691,) is approximately 200 feet (ft) to the northeast of the Mill within an informal landscape of lawns and mature hardwoods and ornamental shrubs. A two-story wood mill outbuilding (known as 64 Mordecai Lincoln Road, built ca. 1850–1903) of unknown historical function is approximately 5 ft northeast of the Mill building. Stone walls or foundations and a Scituate/Cohasset town boundary “witness mark”<sup>1</sup> (aka town line marker, described below) are on the downstream face of the dam.

The Mordecai Lincoln Area (MHC No. SCIM) is a suburban residential neighborhood that extends to the southeast of the Mordecai Lincoln Complex along Mordecai Lincoln Road. In addition to the Mordecai Lincoln Complex and witness mark, the neighborhood consists of 34 historic residential buildings sited on an approximately 22-acre hilltop promontory overlooking Hunters Pond to the west and Mushquashcut Brook (another tributary of the Gulf) to the east. The residences are modest single-family homes built between the mid-nineteenth and early twentieth centuries and employing Greek Revival, Victorian, and Colonial Revival styles (Harrington 2000b).

### **Mordecai Lincoln Mill**

The Mordecai Lincoln Mill is on the north shoulder of Mordecai Lincoln Road and is built into the downstream face of Hunters Pond Dam. Because of its siting, the two-and-one-half-story Mill has an exposed basement or wheelpit level on its rear (north) wall. Milling activities commenced at the site ca.

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<sup>1</sup> “A witness mark point is an ‘on-land’ representation of the next point along the boundary when that next point is in a river, wetland, or pond. A line drawn between the point before a witness mark and a witness mark point gives you the direction of the town boundary as it proceeds to the next point in the river, wetland, or pond” (Commonwealth of Massachusetts, Executive Office for Administration and Finance 2017). The witness mark at the Mill indicates a corner of the Scituate/Cohasset boundary that falls within the Bound Brook channel approximately 60 ft northeast of the witness mark (Board of Harbor and Land Commissioners 1901:Sheet 13).

1691, and the current Mill is a late nineteenth-century timber frame building. The two-and-one-half-story, side-gable, 22-by-50-ft Mill has a rectangular footprint and employs a vernacular industrial design with minimal architectural detail or stylistic cues. The roof is clad in asphalt shingle and a narrow, interior, brick chimney projects from the front slope of the roof near the ridgeline. Plank gable rakes terminate at short returns, and there are shallow eaves clad in planks. Walls are covered in wood shingles (recently replaced) that terminate in narrow corner boards consisting of undecorated planks. A personnel door and a sliding freight loading door—both made of vertical wood planks—are asymmetrically placed on the facade (south, street-facing wall), and wood plank doors are also set at the second-floor level of the facade and west wall. The foundation is mortared rubblestone, with concrete block repairs on the east foundation wall. New double-hung, six-over-six wood window sash have recently been inserted into the original openings, which are placed asymmetrically on the walls. The Mill's first and second floor interiors are large open work areas that are unfinished, with exposed braced-frame post-and-beam construction utilizing dimensional, pit-sawn lumber. The floors are a combination of rough softwood planks and hardwood strip flooring.

The Mill straddles the easterly of the two dam outlets, which is the historical mill raceway. The raceway, which is now lined with a corrugated metal pipe (CMP) enters the Mill through the building's south foundation wall and empties into a wheelpit that is enclosed within the Mill's basement. (This is the only portion of the Mill with an excavated basement; the west end of the Mill is over a crawl space.) The basement area is approximately 25-by-25-ft in plan, with the east and west sides of the basement raised above the wheelpit, which is approximately 16 ft wide. The CMP projects from the Mill's south foundation wall by about 12 inches, overhanging the wheelpit. Partially collapsed dry-laid fieldstone walls project north from either side of the north foundation wall to create the wheelpit. Inspection of the wheelpit when it was drained for the Project showed that it contained no historical waterpower features. The stone wheelpit walls flank a natural sand, cobble, and stone channel floor with an uneven, sloping surface that drops to a maximum depth of approximately 4 ft (as measured from the lower lip of the CMP). The Mill tailrace flows north from the wheelpit and out of the building below its north wall.

The south wall/foundation wall of the basement/wheelpit is of varying construction that testifies to alterations made over the years. The east end of this wall (east of the CMP) is plank-formed poured concrete resting on fieldstone. The center portion of the wall, which contains the CMP and forms the third side of the wheelpit, is built of small mortared fieldstones topped by approximately 12–18 inches of additional poured concrete. The west portion of this wall appears to be original mortared fieldstone. The basement's east wall is the exterior foundation wall of the Mill. This wall has partially collapsed and been repaired with concrete masonry units. The basement's west wall runs transversely under the midpoint of the Mill and is built of dry-laid rubblestone topped with stone support piers for the Mill's floor. The basement's north wall consists of masonry foundation walls on the east and west that flank a wood frame panel above the wheelpit's tailrace. This panel is an extension of the Mill's north exterior wall. Its lower edge rests on portions of the Mill foundation and it is braced with diagonal boards that extend up to the Mill floor joists. A cantilevered bracket projects from the center of the panel and supports an iron pulley wheel connected to a shaft that extends vertically up into the Mill's first and second floors. This machinery—the only vestige of milling equipment now extant—is a remnant of power transmission shafting that once connected a now-absent turbine<sup>2</sup> in the wheelpit with machines within the Mill. The ceiling of the basement is the exposed underside of the first floor's framing.

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<sup>2</sup> The configuration of the wheelpit and power transmission shafting indicates that the likely source of power for the mill was a turbine, rather than a waterwheel.

### **Mordecai Lincoln Road Dam**

The Mordecai Lincoln Road Dam is an earth berm or embankment approximately 220 ft long, 20 ft wide at the crest, and 11 ft in structural height (an approximately 7-ft hydraulic height) that obstructs Bound Brook with its southwesterly–northeasterly footprint. The dam has two outlets: a primary spillway (aka weir; hereinafter referred to as the spillway) of concrete near its southwest (river left) end, and the former mill raceway that now functions as a secondary spillway (aka outlet structure, auxiliary spillway, or culvert) near its east end.

The concrete spillway (built either in 1913, in the 1930s, or ca. 1972) is approximately 50 ft wide and flanked by fish ladders at each end that form the spillway abutments. The spillway is a vertical weir structure 6 inches thick, 50 ft long, and reinforced with angled buttresses on its downstream face. The fishway's downstream walls are coterminous with the upstream side of the Mordecai Lincoln Road Bridge, which is a three-span stone slab structure resting on split granite abutments and piers. A poured concrete anti-scour pad runs between the downstream toe of the dam and a stone-slab-lined river channel under the bridge.

The Mill raceway (hereinafter referred to as the culvert/raceway; construction date unknown, modified ca. 1921 and 1995) is a 7-ft-diameter CMP controlled by a sluice gate set within a concrete frame and headwall at its upstream end. The raceway runs beneath Mordecai Lincoln Road and empties into the Mill wheelpit as described above. The CMP is heavily corroded and rests on a row of wood saddles set within a crude poured concrete pad. Dry-laid rubblestone walls of the historical Mill race are partially visible through the corroded areas of the CMP. The sluice gate employs a late twentieth-century gate frame of welded steel L-channel and plate construction and a wood gate leaf bound with iron straps. The hand-powered stem gate mechanism, currently inoperable, was manufactured by the Rodney Hunt Company of Orange, Massachusetts. The concrete headwall is inscribed with the year “1995.”

### **Foundation Remains**

Two rectilinear stone features that appear to be the structural remains of two buildings—a documented storehouse and stable—are on the downstream face of the dam west of and adjacent to the Mill.<sup>3</sup> The easterly of the stone features is the likely storehouse and is an approximately 40-by-12-ft L-shaped foundation wall constructed of mortared stacked rubblestone and granite slabs. Stone stairs descend behind the Mill from the northeast corner of the foundation down to the bank of Bound Brook and provide access to the Mill wheelpit. Some of the stair treads are reused gristmill stones. The westerly feature is the likely stable and is approximately 12-by-12 ft in plan and consists of a square of large stones and stone scatter.

The Scituate/Cohasset boundary “witness mark” is a 3-ft-high granite post carved with the letters “S” and “C” that is anchored atop a large boulder called Bound Rock, which is partially buried and within the former footprint of the storehouse.

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<sup>3</sup> The Mill property has not been subject to formal archaeological survey.

## PART II. HISTORICAL INFORMATION

Scituate was settled by Europeans as part of the Plymouth Colony (patented 1621<sup>4</sup>) in the late seventeenth century and has strong historical associations with Mordecai Lincoln, a man thought to be the first settler in North Scituate. Like other seventeenth-century coastal settlements in what would become Massachusetts, the town initially relied heavily on agricultural and maritime pursuits, with gristmills essential for grinding farmer's corn, wheat, or rye into flour and meal and sawmills used for building supplies and to produce lumber for export. The first water-driven mill in Plymouth Colony was established on First Herring Brook in Scituate in 1640. That same year, commissioners appointed by Plymouth Colony and the neighboring Massachusetts Bay Colony (granted 1628) determined that Bound Rock was the commencement of the boundary line of the Plymouth and Massachusetts colonies.<sup>5</sup>

Mordecai Lincoln was born in 1651 in Hingham, Massachusetts, as the son of Samuel Lincoln, who emigrated from England in 1637. Mordecai entered the blacksmith trade and eventually settled in the Cohasset–Scituate area along Bound Brook. He apparently expanded his blacksmith experience into a successful career as a miller in the late seventeenth and early eighteenth centuries, constructing three mills along the lowest reaches of Bound Brook: one (a gristmill) in Scituate and two (a sawmill and an iron forge or furnace) in Cohasset. The gristmill was at or near the site of the current Mill (the original gristmill is no longer extant, apparently having been replaced or heavily reconstructed at some point in the late nineteenth century—see discussion below). Lincoln's gristmill was one of at least six that operated in Scituate in the late seventeenth and early eighteenth centuries and supplemented the town's agricultural economy.

Mordecai Lincoln married Sarah Jones of Hull, Massachusetts, and built their first home (no longer extant) in the Cohasset portion of his Bound Brook landholdings. About the same time as the construction of the three mills, he also built the extant Mordecai Lincoln Homestead at 62 Mordecai Lincoln Road, which is the oldest building in the Mordecai Lincoln Road area. After Sarah's death, Mordecai married Mary Hobart Chapin Gannett in 1702. The Gannett family owned a large portion of the properties in the

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<sup>4</sup> An earlier patent was for land at the mouth of the Hudson River, not lands within present-day Massachusetts.

<sup>5</sup> Plymouth Colony's 1629 patent (issued to William Bradford, who was one of the commissioners in 1640, after the 1621 patent expired) cited Bound Brook (using the name Conohasset) as a landmark, but the boundary was disputed in the late 1630s when Hingham (which formerly included Cohasset) was settled as part of the Massachusetts Bay Colony grant. To resolve the disagreement, the aforementioned commissioners were appointed and decided that the line between the two colonies began at the mouth of Bound Brook, with Bound Rock (at the head of tide) as the agreed landmark at this point (Commonwealth of Massachusetts Old Colony Commission [Old Colony Commission] 1900:9–11). The resulting county boundary, as projected from the Bound Rock starting point, was about 35 miles long and known as the Old Colony Line, Patent Line, or Patten Line and, according to one local historian, is the second oldest artificial boundary located by landmarks in the United States (the oldest such boundary is the Maryland/Virginia border running across the Del-Mar-Va Peninsula) (DAR 1921:69–70). The name "Bound Brook" appears to have originated with the commissioners, because their 1640 agreement referencing the waterway includes the clause "which we call by the name of Bound Brook" (Bradford et al. 1640:2).

The witness mark is thought to have been erected on Bound Rock by Captain Martin Lincoln (1799–1890) about 1840 (Bouve et al. 1893:161). Lincoln was a descendent of Mordecai Lincoln, a resident of Cohasset, and a farmer who served in numerous elected positions within local and state politics. He may have overseen the installation of the witness mark in one of his formal capacities, rather than funding it personally (Lincoln 1923:319–320).

In 1900, the Old Colony Commission (a state-appointed body) and the Commonwealth of Massachusetts, commemorated the fixation of Bound Rock as the county boundary with the installation of a plaque, placed outside the boundaries of the Lincoln Complex property so it would be permanently protected (Old Colony Commission 1900:11).



north section of Scituate. In addition to his important role in the industrial development of Scituate, Mordecai Lincoln was the great-great-great-grandfather of President Abraham Lincoln (Daughters of the American Revolution [DAR] 1921:104–107; Deane 1831:304; Harrington 2000a, 2000b; Hartshorne 2002:4–6; MHC 1981:6).

Lincoln died in 1727 at 70 years old, leaving the Mordecai Lincoln Homestead and Mill Complex to his son Jacob Lincoln.<sup>6</sup> Jacob Lincoln's son Caleb (b. 1743) took over the property from Jacob and owned it until his death in 1829. In 1794, the Mill had been mapped on a town plan and identified as a gristmill. No date of construction for the dam at Lincoln Mill is provided, but the 1794 map shows a road or dam crossing the brook at the Mill's location, indicating that a dam was likely present by 1794. During this time, the mill pond was known as Lincoln's Pond (DAR 1921:105, 216; Deane 1831:304; Harrington 2000a, 2000b; Hartshorne 2002:4–6; MHC 1981:6; Merritt 1928:85; Turner 1794).

After Caleb's death, the house and Mill were sold out of the Lincoln family. By 1831, the mill privilege hosted the gristmill, two nail factories or carding machines, and the residence. However, it is not clear how many separate buildings these manufacturing and milling activities occupied (Robbins and Turner 1831). The current Mordecai Lincoln Road Bridge over the dam's spillway may have been established ca. 1820, as recorded by a minister's account of Cohasset: "To facilitate the communication with Scituate and the country below, two valuable bridges were the last season thrown over Conohasset River, one of stone at Lincoln's mill..." (Flint 1822:37).<sup>7</sup> The structural relationship of the bridge with the current dam indicates that some version of the current dam was established by 1820; the 1831 Robbins and Turner map shows a roadway across the dam. By 1831, five homes or other buildings were within the area, with some belonging to prominent Scituate families such as Gannett and Mott.<sup>8</sup>

By the mid-nineteenth century, the Mill and Homestead property was owned by Horace W. Doane (1816–1877). The U.S. Census for 1860 and 1870 lists Doane as a miller (mill type unspecified, but presumably a gristmill) with his wife, Susan, keeping house and four daughters in residence. The property was valued at \$650 in 1860 and increased to \$1,500 by 1870, indicating that some substantial improvements (perhaps the construction of the current Mill) had been made. An 1857 (Walling) map of Scituate shows a "Factory" and "H. Doane" residing in the Homestead on the east side of the brook. About this time, the mill pond acquired its current name of Hunters Pond in reference to Colin Hunter, who built an ice house on the southwest shore of the pond and sold ice there until ca. 1935 (Walling 1857). Residential growth in the neighborhood was slow; by 1857, there were approximately nine buildings or residences sited at intervals along Mordecai Lincoln Road.

In the late nineteenth century, operation or ownership of the Mill and Homestead seem to have been divided. In 1876, George H. Briggs purchased the Mill, described in a newspaper account of the sale as "a two-story mill used as a grist and carding mill, built at the commencement of the present century [ca. 1800]" (Anon 1876). 1876 and 1879 maps of Scituate and Cohasset show the Mill at the southeast end of the dam (on the south side of Mordecai Lincoln Road opposite the current Mill's location), a second building on the west side of the brook, and a third building downstream of the dam. The labelling applied

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<sup>6</sup> According to one local history, Jacob's brother, Isaac, who lived on the Cohasset side of Bound Brook, owned part of the Mill (Bigelow 1898:250).

<sup>7</sup> The MHC Inventory Form for the Mordecai Lincoln Road Bridge does not provide a construction date (Roper 1997).

<sup>8</sup> Mordecai Lincoln Road was previously known as Blossom Road, Mill Road, Booth Hill Road, and sometimes Cohasset Road and has been referred to by its current name since ca. 1920 (Board of Harbor and Land Commissioners 1901; Scituate Historical Society 2010:27, 34, 39).

to one or both of these is “G.M.G.H. Briggs,” “Ice Ho[use],” and “Lincoln Mills.” The 1876 map also includes the annotation “BS.SH”—probably meaning a blacksmith shop. The house is identified as belonging to L. W. Cook, an auctioneer (W. A. Sherman 1876; Walker & Co. 1879). The divided control or ownership of the Mill and Homestead persisted at least until the first decade of the twentieth century.<sup>9</sup> The Mill building’s construction materials and design, combined with available historical map evidence, indicate that the current Mill building was constructed between 1876 and 1901 (Board of Harbor and Land Commissioners 1901; DAR 1921:104–107; Deane 1831:304; Harrington 2000a, 2000b; Richards 1903; Sanborn Map Co. [Sanborn] 1935, 1940; Town of Scituate [Scituate] 2015a, 2015b; U.S. Census 1860, 1870; Welch Co. 1922). A branch of the Old Colony Railroad constructed through Scituate in 1871 led to significant development in North Scituate in the late nineteenth century and may have facilitated continued operation of the Mill.

Local businessman Hans Dick acquired the Mill in the early twentieth century and endeavored to continue the gristmilling business on the property. He and unknown partners established the Lincoln Mills Company (formally incorporated as the Lincoln Mill Grain and Feed Company in 1902), which was led by Henry F. Noyes from 1899 to 1901, after which control was assumed by other (unknown) persons. In addition to milling its own products, the firm sold animal feeds from other manufacturers until 1907, when the company was dissolved.

Atlas maps from 1901 and 1903 (Board of Harbor and Land Commissioners 1901; Richards 1903) show the configurations and function of buildings on the site at that time. The Homestead was still occupied by L. W. Cook. The Mill complex was identified as the Lincoln Mill Co. with three wood-frame buildings on the downstream (north side) of Mordecai Lincoln Road. The easternmost of these three buildings was the gristmill (presumably the extant building), which is shown with a mill race at the approximate location of the current structure. The other two buildings to the west of the gristmill were a store house (immediately adjacent to the Mill) and a stable, and the witness mark was described in 1901 as being enclosed by the storehouse.<sup>10</sup> Also appearing on the two maps for the first time was a third building within the Mordecai Lincoln Homestead and Mill Complex: the two-story building designated as 64 Mordecai Lincoln Road (now an apartment) just north of the Mill on the east bank of Bound Brook (Board of Harbor and Land Commissioners 1901:12–13; Hatch Experiment Station, Massachusetts Agricultural College 1904:11, 17, and 1906:26; Marquis 1916:795; Massachusetts General Court [MGC] 1907:Chapter 290; Trefry 1904:151).

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<sup>9</sup> The buildings remain on separate land parcels.

<sup>10</sup> The 1901 description reads as follows:

LOCATION.—The witness mark is situated in a grain storehouse, on the northerly side of Blossom Street (once known as the “King’s Highway”), which passes along the northerly end of the pond. The storehouse adjoins the western side of a gristmill about 200 feet east of the junction of Blossom Street with South Main Street, in the southeastern part of the town of Cohasset.

MARK.—The witness mark is a rough granite monument 4 feet in height, standing over a one inch copper bolt set into the top of “Bound rock,” a huge boulder [sic] 8 feet in height, and 20 x 20 feet in section. The bound is held in position by two 5-8 inch iron bolts set into the rock 15 inches apart, supporting the base of the bound at its northeast and northwest corners. The top of the bound projects 0.4 of a foot above the floor of the storehouse, the north and south faces of this portion averaging 13 inches in width and the east and west faces 9 inches. The section below the floor is easy of access, and averages 15 inches in width on the north face, 12 1-2 inches on the east face, 17 inches on the south face, and 14 inches on the west face. The letter *c* is cut on the west face, and *s* on the east face (Board of Harbor and Land Commissioners 1901:Sheet 13).

About 1900–1915, ownership of the Homestead was subject to some ambiguity. According to the property inventory forms (Harrington 2000a, 2000b) Doane retained ownership of the residence and then left the property to his grandson, who sold it by 1915 for use as a summer home. However, the 1903 Scituate map indicated that Cook still occupied the premises (Richards 1903).

Hans Dick sold the Mill in the early 1920s to a Mr. Cornett, who did not conduct milling on the property. Cornett arranged for the Town of Scituate to strengthen the extant Mill's race and head gate—a task that state bridge inventory files indicate may have been completed about 1921 (Roper 1997). A photograph of the Mill complex dating to 1922 shows the Mill building with a configuration similar to its current appearance—a two-by-four-bay, two-story, side-gable structure clad in shingles. Modest differences in the appearance of the structure are evident, most notably, in 1922, a small gabled dormer was located near the east end of the south roof slope and additional door and window openings were on the west and south walls. West of the Mill were the storehouse—a two-and-one-half story, front-gable, wood-frame building—and the stable—a one-story, side-gable, wood-frame building. A Mill race—apparently built of stone and at the approximate location of the current culvert/raceway—passed below Mordecai Lincoln Road to the Mill. The dam's spillway is not visible in the photo (Welch Co. 1922).

The Town of Scituate Highway Department conducted work on Mordecai Lincoln Road in 1913, 1915, 1922, 1934, and 1940 to repave the street and add curbing (Scituate 1913:30, 1915:30–31, 1922:57, 1934:58, 1935:21, 1940:64). By 1935, the Mill was no longer active and was used as a storage space. Feed and grain sales apparently continued in a separate building (no longer extant) fronting Country Way. The storehouse and stable were demolished by this time (Sanborn Map Co. 1935, 1940). Mr. Cornett's nephew inherited the property in the early 1950s and sold it in 1957 to Donald B. Ladd and Marjorie T. Ladd, who used the Mill as an antique shop. The entire Mordecai Lincoln Homestead and Mill Complex is now under the care of Charles T. Ladd, their son (DAR 1921:104–107; Deane 1831:304; Harrington 2000a, 2000b; Charles Ladd, personal communication 2016; Scituate 2015a, 2015b).

During the first half of the twentieth century, North Scituate's railroad-fueled growth as a commercial and residential neighborhood was further encouraged by adoption of the automobile, and this growth was also apparent on Mordecai Lincoln Road near the Mill. Riverview Place and Summit Avenue were laid out extending east from Mordecai Lincoln Road within the Mordecai Lincoln Area in 1929 and 1935, respectively, and additional single-family homes were constructed (DAR 1921:70–71, 104–105; Harrington 2000a, 2000b; Hurd 1884:410; MHC 1981:6–7; Murphy 1985:29; Richards 1903; Scituate Historical Society 2010:27, 34, 39; Scituate 1913:30, 1915:30–31, 1922:57, 1934:58, 1935:21, 1940:64; Turner 1794; Walker 1879; Walling 1857).

The dam spillway was altered and replaced on one or more occasions in the twentieth century, although the exact date of the current concrete structure is unknown. These episodic spillway changes were part of efforts to restore anadromous fish species such as alewives to Bound Brook and its headwaters at the fishes' spawning grounds: Lily Pond in Cohasset. Native American exploitation of fish at Bound Brook and other Scituate waterways is not well documented, but was likely commonplace. The name for Scituate's neighboring town—Cohasset—and Bound Brook's early name—the Conohasset—are reportedly derived from the Native American term for a fishing promontory. Using weirs and other means, European settlers were catching fish in town waters for subsistence and market use by the mid-seventeenth century. However, the erection of mill dams beginning in the late seventeenth century made rivers inaccessible to fish, leading to a decline in anadromous fish populations and in the fishing trade for these species. Bound Brook was no exception; it had an abundant alewife fishery and was likely a source for other fish species until Lincoln Mordecai's three dams blocked fish passage (Belding 1920:86; Deane 1831:24; Hayward 1849:129).

Late seventeenth-century legislative acts attempted to regulate Scituate's fishing and milling trades to rejuvenate fish populations. The last of these acts, passed by the Massachusetts General Court in 1800, created the position of a town fish warden in Scituate and Cohasset and required that all mills above the Gulf be provided with sluices or other means to bypass mill dams. After this act was repealed in 1801, there was a general understanding that dam owners would facilitate fish passage past their dams, but any such activities that did occur were unsuccessful in restoring the fish population. Beginning about 1870, new attempts to restore alewives to Bound Brook failed because of a lack of enforcement for passage at the dams (Belding 1920:86; Deane 1831:24; Hartshorne 2002:9–10; Hayward 1849:129; MGC 1800, 1801; MHC 1981:4, 6).

David Belding's 1920 *Report upon the Alewife Fisheries of Massachusetts* states that a concrete fish ladder was installed at the dam in 1913 by the Town of Cohasset, but design flaws made this structure impassable (Belding 1920:86). According to research conducted by Charles Ladd, the current dam spillway and attached fish ladders date to the 1930s and were constructed by the state and town using federal funding (possibly the Works Progress Administration) (Charles Ladd, personal communication 2016). A newspaper article from 1974 states that the dam (presumably referring to the spillway) was "removed" about 1972, along with a herring run (Parsons 1974:2).

Reinforced concrete wingwalls on the culvert/raceway's CMP headwall were rehabilitated or replaced in 1995, as indicated by a date stamped in the concrete of this structure. It is unknown whether the current CMP dates to 1995, or the ca. 1921 strengthening of the raceway.

In 2017, the Town of Scituate (the Town), through its Hunters Pond Dam Removal Project, removed the dam's concrete spillway and permanently drained the dam impoundment. The Town also replaced the raceway's CMP gateleaf, slip-lined the CMP with a new plastic pipe and grout backfill, and built a concrete block wall in the wheelpit below the CMP outlet.

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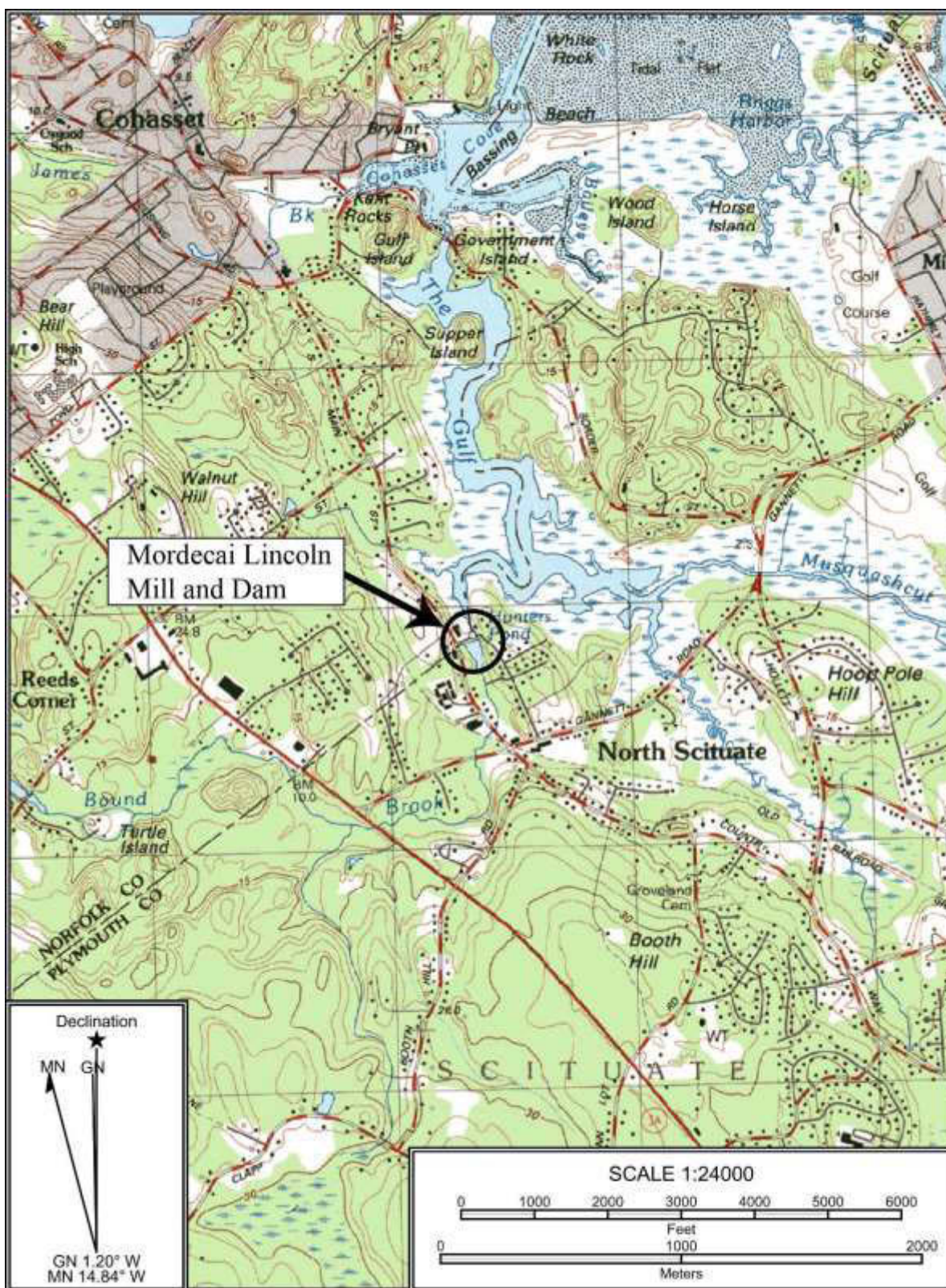


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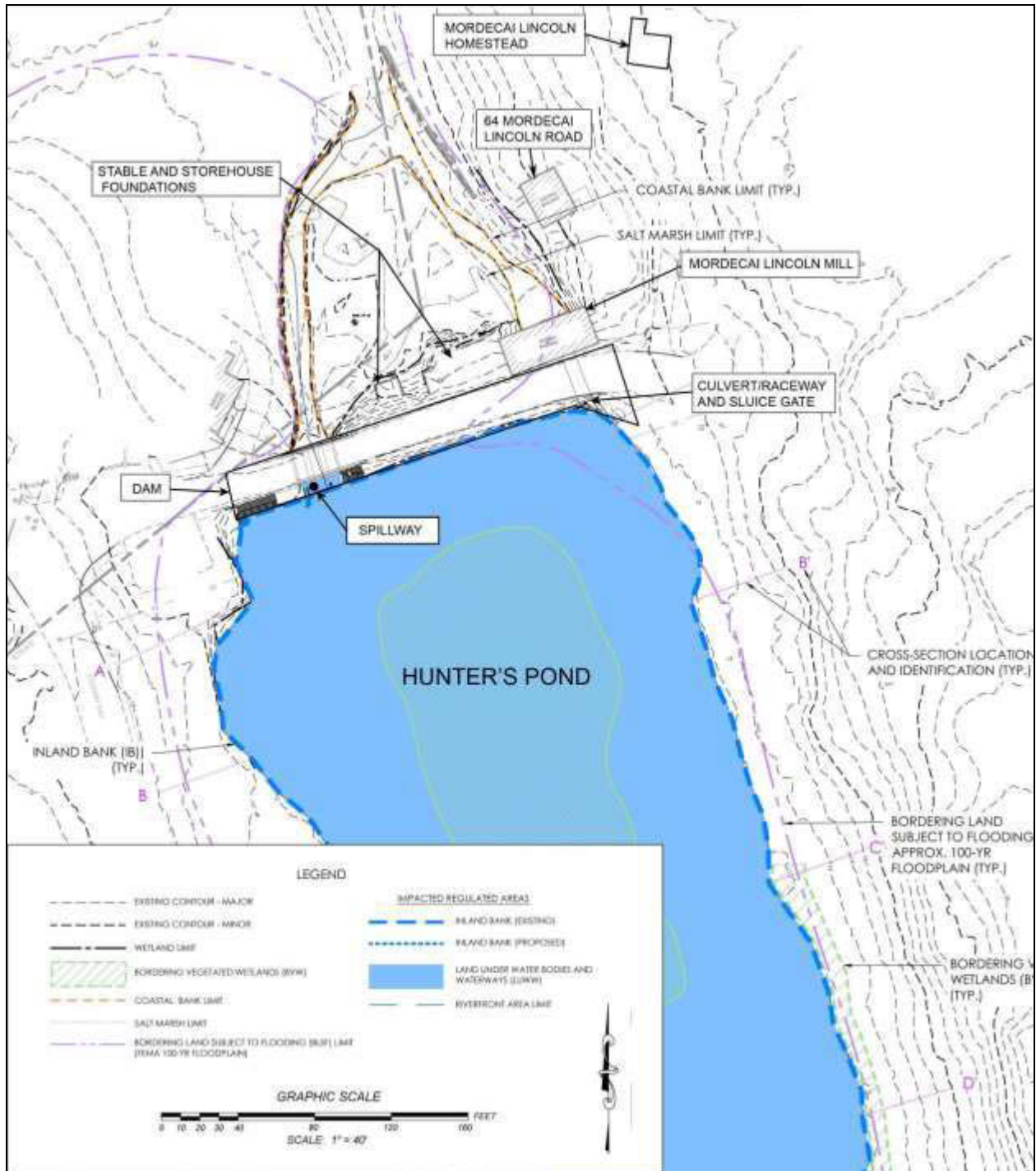
Personal Communication

Charles Ladd, caretaker of the Mordecai Lincoln Homestead and Mill Complex, telephone interview with  
Melissa J. Andrade, PAL, February 29, 2016

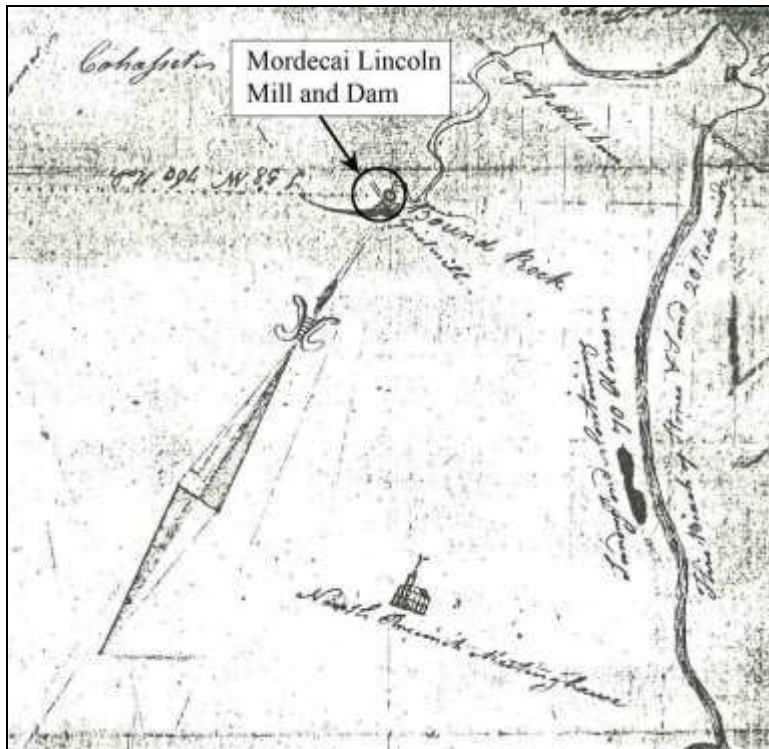


USGS Massachusetts, 1:25,000 Weymouth Quadrangle (1984) showing location of the Mordecai Lincoln Mill.

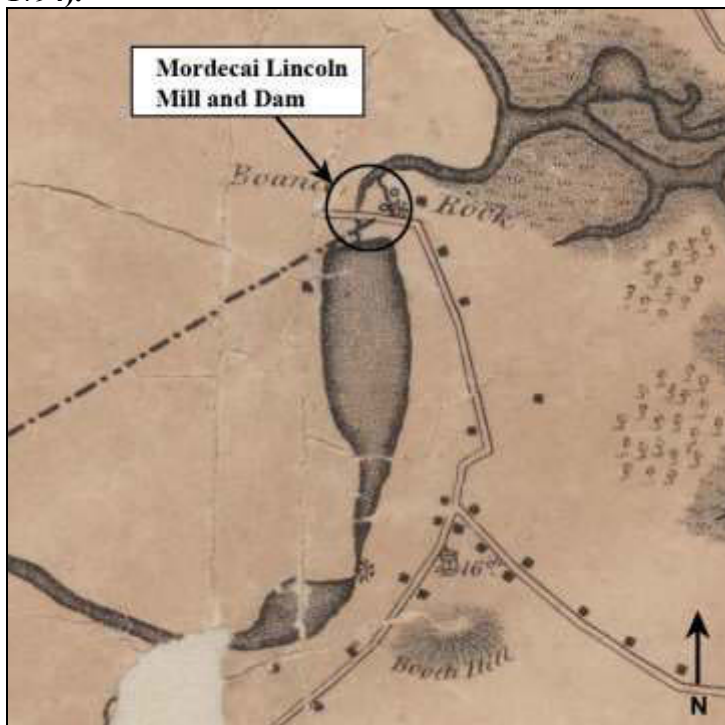




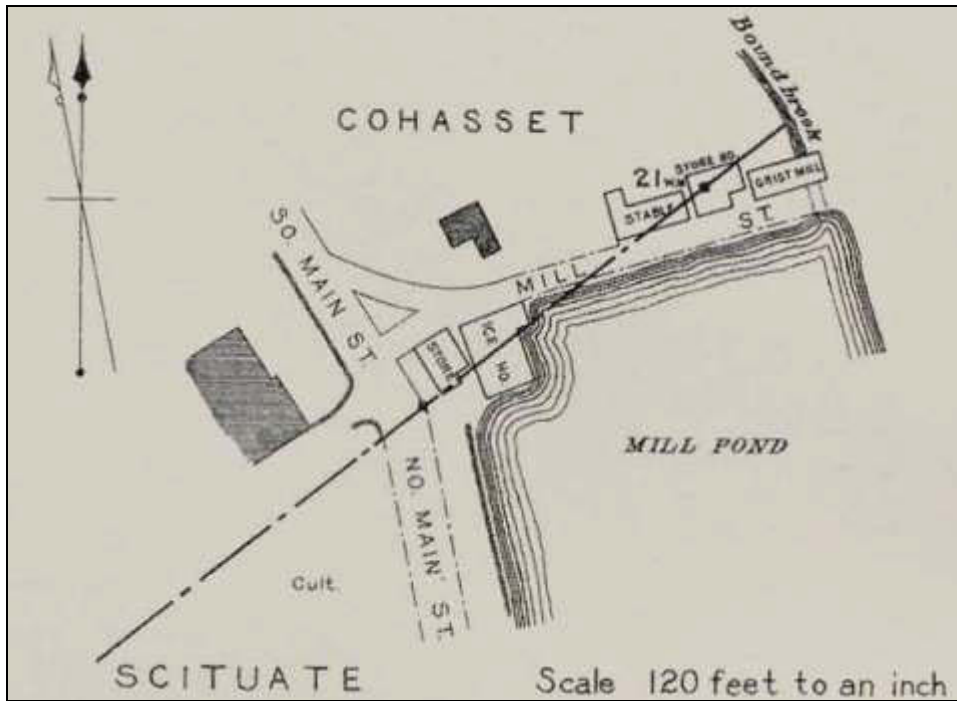
Existing conditions plan of the Hunters Pond Dam (source: Princeton Hydro 2016b).



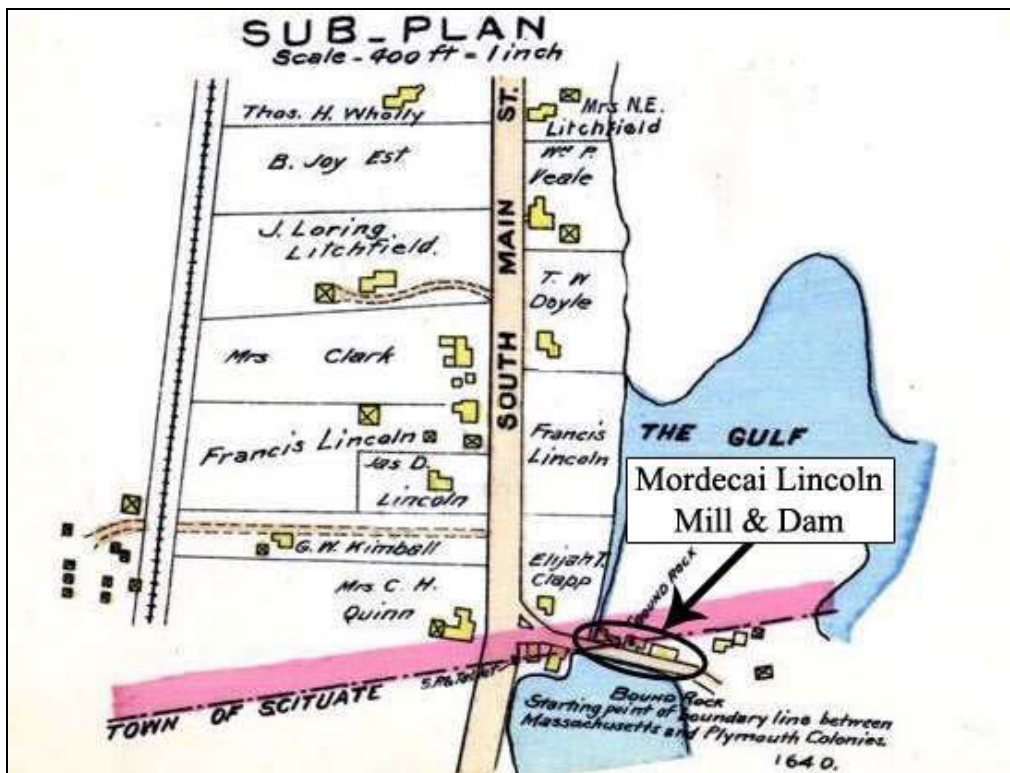
Detail of 1794 map of Scituate showing the Lincoln Grist Mill at Bound Rock (source: Turner 1794).



Detail of 1831 map of Scituate showing Mordecai Lincoln Mill site with a gristmill (indicated by asterisk symbol) and two fulling mills or nail factories (indicated by circles) at Bound Rock (source: Robbins and Turner 1831).



1901 map of boundary of Cohasset and Scituate showing the Mordecai Lincoln Mill (source: Board of Harbor and Land Commissioners 1901:Sheet 12).



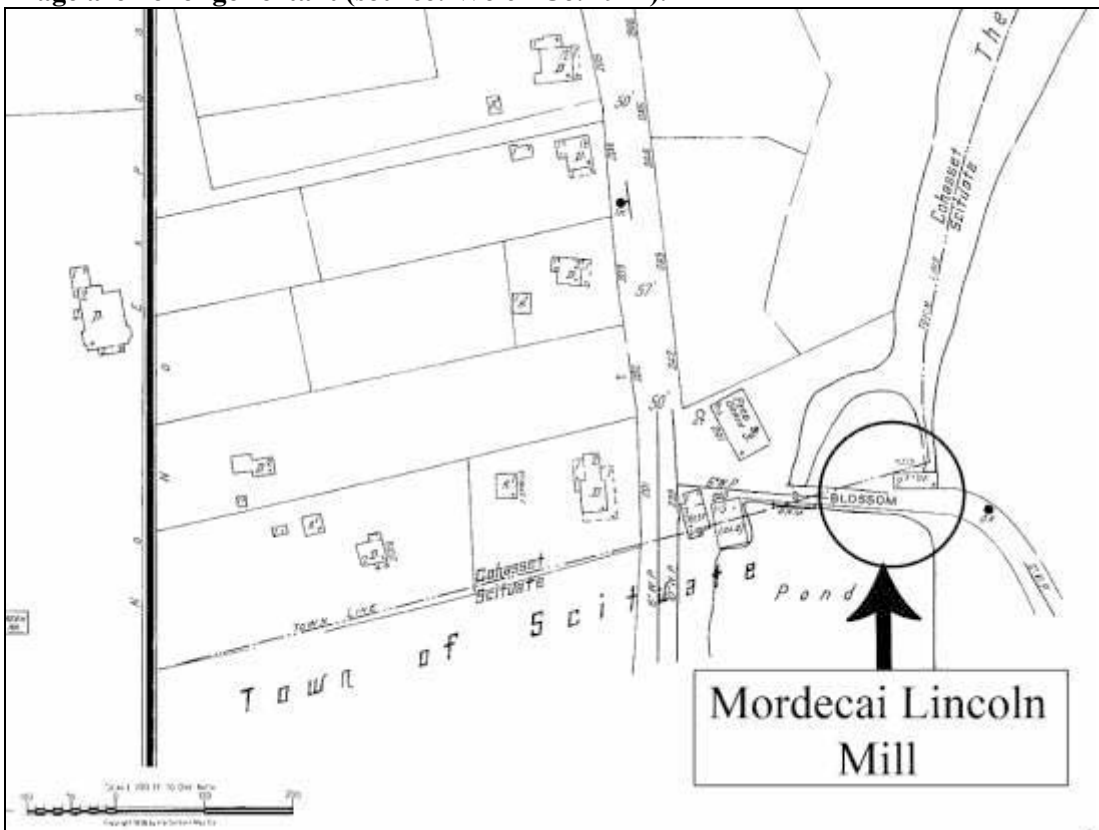
1903 map of Scituate showing the Mordecai Lincoln Mill (source: Richards 1903).



MORDECAI LINCOLN HOMESTEAD AND MILL COMPLEX,  
MORDECAI LINCOLN MILL  
Scituate, Massachusetts  
(Page 20)



1922 photograph of the Mordecai Lincoln Mill, looking northeast. Buildings in left half of image are no longer extant (source: Welch Co. 1922).



1935 insurance plan showing the Mordecai Lincoln Mill (source: Sanborn Map Co. 1935).

## INDEX TO PHOTOGRAPHS

Photographer: John J. Daly

PAL

26 Main Street

Pawtucket, Rhode Island

Dates: December 6, 2016, and June 21, 2017

### *Pre-Construction Photographs*

1. General view of the Mordecai Lincoln Mill (Lincoln Mill), dam, and impoundment within the Mordecai Lincoln Area, looking northwest from Mordecai Lincoln Road.
2. General view of the Lincoln Mill, dam, and impoundment within the Mordecai Lincoln Area, looking northeast from the west bank of Hunters Pond.
3. General view of the Lincoln Mill and dam, looking southeast (upstream) from the bank of Bound Brook.
4. General view of the Lincoln Mill and dam, with impoundment at rear, looking southwest from within the Mordecai Lincoln Homestead.
5. General view of the dam and Mordecai Lincoln Area, looking southeast from Mordecai Lincoln Road.
6. Lincoln Mill and dam, looking west.
7. Lincoln Mill and culvert/raceway sluice gate, with Mordecai Lincoln Homestead at right rear, looking north.
8. Dam, concrete spillway, and Mordecai Lincoln Road Bridge, looking northeast.
9. Lincoln Mill, looking northeast.
10. Lincoln Mill with storehouse foundation and Scituate/Cohasset boundary witness mark atop Bound Rock, looking east.
11. Rear wall of Lincoln Mill showing wheelpit and tailrace, looking east.
12. Lincoln Mill, looking southwest.
13. Detail of Lincoln Mill culvert/raceway sluice gate, looking northwest.
14. Lincoln Mill wheelpit and foundation walls, looking southwest from beneath Lincoln Mill.
15. Lincoln Mill culvert/raceway and wheelpit and foundation walls, looking southeast from beneath Lincoln Mill.
16. Lincoln Mill north basement wall, pulley wheel, and tailrace exiting wheelpit, looking northwest.
17. Detail of dam spillway, looking southwest from Mordecai Lincoln Road.
18. Detail of dam spillway and Mordecai Lincoln Road Bridge, looking west from dam.
19. Detail of downstream face of dam spillway, looking east.

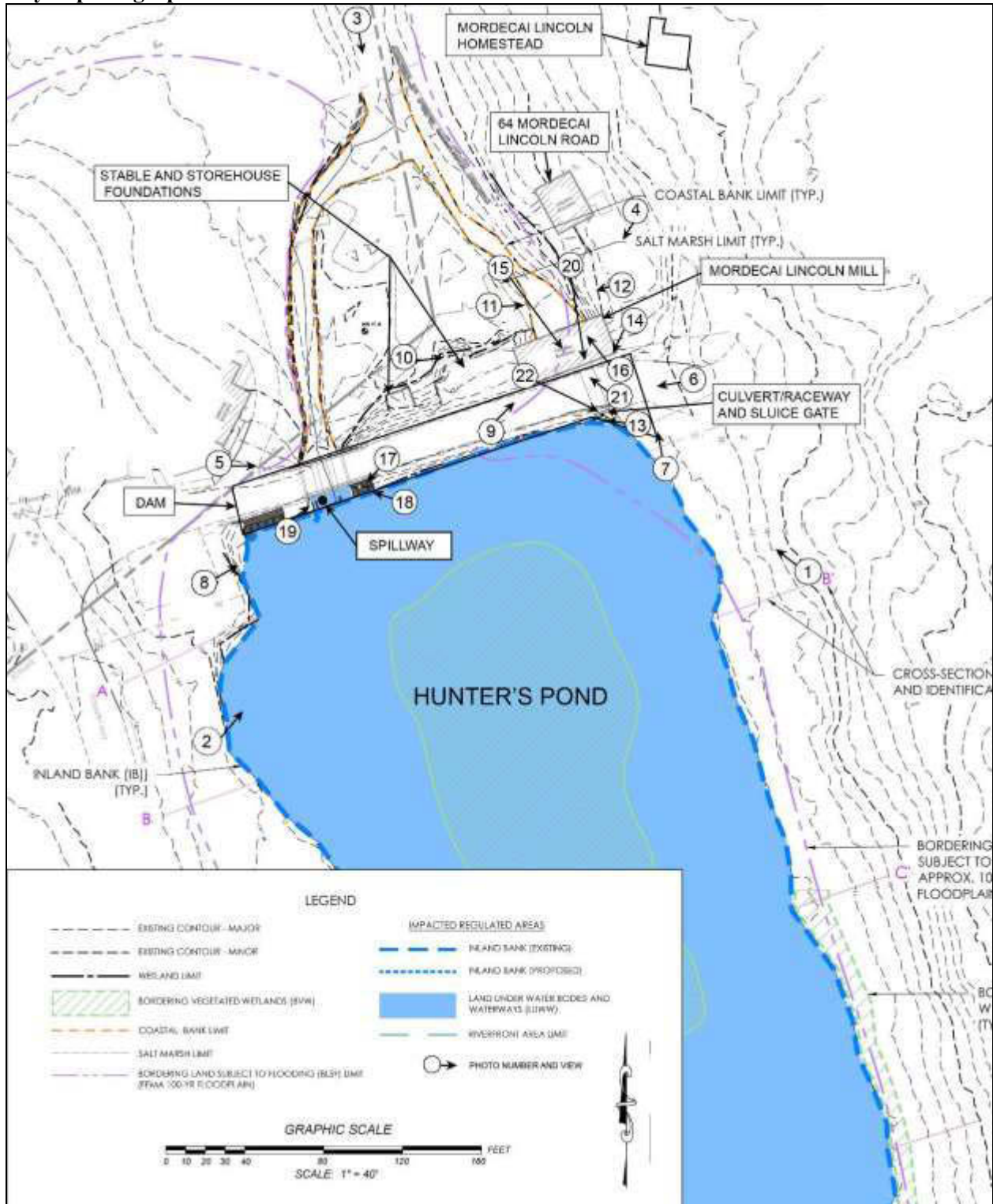
*Dewatered Wheelpit*

20. Lincoln Mill culvert/raceway, and wheelpit, looking southwest from beneath Lincoln Mill.
21. Lincoln Mill tailrace and north basement wall, looking north.
22. Detail of downstream side of Lincoln Mill culvert/raceway sluice gate, looking north from culvert beneath Mordecai Lincoln Road.



MORDECAI LINCOLN HOMESTEAD AND MILL COMPLEX,  
MORDECAI LINCOLN MILL  
Scituate, Massachusetts  
(Page 23)

Key to photographs.



**APPENDIX A**  
**PHOTOGRAPH REFERENCE SHEETS**

MORDECAI LINCOLN HOMESTEAD AND MILL COMPLEX,  
MORDECAI LINCOLN MILL  
Scituate, Massachusetts



Photo 1



Photo 2



MORDECAI LINCOLN HOMESTEAD AND MILL COMPLEX,  
MORDECAI LINCOLN MILL  
Scituate, Massachusetts



Photo 3



Photo4



MORDECAI LINCOLN HOMESTEAD AND MILL COMPLEX,  
MORDECAI LINCOLN MILL  
Scituate, Massachusetts



Photo 5



Photo6



MORDECAI LINCOLN HOMESTEAD AND MILL COMPLEX,  
MORDECAI LINCOLN MILL  
Scituate, Massachusetts



Photo 7



Photo 8



MORDECAI LINCOLN HOMESTEAD AND MILL COMPLEX,  
MORDECAI LINCOLN MILL  
Scituate, Massachusetts



Photo 9



Photo 10



MORDECAI LINCOLN HOMESTEAD AND MILL COMPLEX,  
MORDECAI LINCOLN MILL  
Scituate, Massachusetts



Photo 11



Photo 12



MORDECAI LINCOLN HOMESTEAD AND MILL COMPLEX,  
MORDECAI LINCOLN MILL  
Scituate, Massachusetts



Photo 13



Photo 14



MORDECAI LINCOLN HOMESTEAD AND MILL COMPLEX,  
MORDECAI LINCOLN MILL  
Scituate, Massachusetts



Photo 15



Photo 16

MORDECAI LINCOLN HOMESTEAD AND MILL COMPLEX,  
MORDECAI LINCOLN MILL  
Scituate, Massachusetts



Photo 17



Photo 18



MORDECAI LINCOLN HOMESTEAD AND MILL COMPLEX,  
MORDECAI LINCOLN MILL  
Scituate, Massachusetts



Photo 19



Photo 20

MORDECAI LINCOLN HOMESTEAD AND MILL COMPLEX,  
MORDECAI LINCOLN MILL  
Scituate, Massachusetts



Photo 21



Photo 22

**APPENDIX B**  
**MHC FORM B – MORDECAI LINCOLN HOMESTEAD AND MILL COMPLEX**



**FORM B - BUILDING**

Assessor's number

USGS Quad

Area(s)

Form Number

5A/1/3

Cohasset, MA

SCI.116 SCI.117

Massachusetts Historical Commission  
Massachusetts Archives Facility  
220 Morrissey Boulevard  
Boston, Massachusetts 02125



Sketch Map

see attached map

Mordecai Lincoln House - 62 Mordecai Lincoln Rd.

Town Scituate

Place (neighborhood or village) IV Scituate

Address 62-68 Mordecai Lincoln Road

Historic Name Mordecai Lincoln Homestead/Mill Complex

Uses: Present residential; vacant (mill)

Original residential; industrial (mill)

Date of Construction Late 17th century; ca. 1690

Source DAR 1921

Style/Form Colonial

Architect/Builder \_\_\_\_\_

Exterior Material: \_\_\_\_\_

Foundation stone

Wall/Trim clapboard; wood shingles/wood

Roof asphalt

Outbuildings/Secondary Structures \_\_\_\_\_

sawmill; gristmill

Major Alterations (with dates) \_\_\_\_\_

see architectural description

Condition good

Moved X no        yes Date \_\_\_\_\_

Acreage less than 1 acre

Setting set back from the road at an angle to the street;  
obscured by several mature trees; grass; trees;  
shrubs

Recorded by M. K. Harrington

Organization PAL

Date (month/day/year) March 2000

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MASS. HIST. COMM.

**BUILDING FORM****Community: Scituate****Address: 62-68 Mordecai Lincoln Road****ARCHITECTURAL DESCRIPTION**

The Mordecai Lincoln Homestead at 62 Mordecai Lincoln Road (MHC 116, 1690) is a large, 2½-story, side-gable, Colonial-style building set on a stone foundation and sheathed in clapboard and wood shingles. The building has a 5-bay wide facade with symmetrical window placement. A large, 2½-story, gable-roof ell projects from the rear (north) elevation of the building. A 1-story, shed-roof ell projects from the west elevation of the rear ell. The building features a centrally-located entrance on its facade set within a 1-story, 1-bay, entrance porch. The small porch is embellished with latticework and supported by plain wood supports. A massive, interior, brick chimney projects from the ridgeline of the main block and an interior, brick chimney projects from the ridgeline of the rear ell. Fenestration consists of 6/6 double-hung sash windows set in rectangular openings.

To the southwest of the house, at the street's edge, stands the Mordecai Lincoln Mill Complex (MHC 117, ca. 1691). The mill complex is comprised of two buildings, the first sits directly at the street's edge and is a large 2½-story, side-gable building (68 Mordecai Lincoln Road) set on a stone foundation and clad in wood shingles. Water from Bound Brook to the north flows beneath the mill building, having once provided the means of power for the mill. A narrow, interior, brick chimney projects from the front roof slope near the ridge. Fenestration consists of 6/6 double-hung sash windows set in rectangular openings. A plaque on the building's west elevation notes that this is the Lincoln Mill erected by Mordecai Lincoln in 1690. To the north of this building, set immediately adjacent to the water, is a 1½-story, end-gable building (64 Mordecai Lincoln Road) sheathed in wood shingles. The building features rows of three 2/2 double-hung sash windows on its west elevation.

To the northwest of the mill, set back from the road is the Scituate/Cohasset town marker. Standing approximately 3 feet in height, the marker is constructed of granite and bears the letter "S" on two sides and the letter "C" on the other two sides.

**HISTORICAL NARRATIVE**

The Mordecai Lincoln Homestead and Mill Complex were constructed in the late seventeenth century, ca. 1690. Mordecai Lincoln, known not only for his industrial pursuits in both Scituate and Cohasset, was the great, great, great grandfather of president Abraham Lincoln. Mordecai Lincoln's father, Samuel Lincoln, arrived in America from England in 1637. Samuel settled in Hingham, where his sons Mordecai (born June 14, 1657) and Daniel were born. Mordecai and Daniel later moved to the second precinct of Hingham, which later became Cohasset. Mordecai married Sarah Jones of Hull, MA and settled in Cohasset along Bound Brook. Here he constructed a house (not extant) and had five children. Mordecai was a blacksmith who traveled to Scituate in search of bog iron and water power for his business (DAR 1921:104). He constructed three mills along Bound Brook, two in Cohasset and one in Scituate, close to the Cohasset town line.

62 Mordecai Lincoln Road was the second homestead of Mordecai Lincoln. The house was built around the same time as Lincoln constructed his mills (Mordecai Lincoln Sawmill and Gristmill at 64 and 68 Mordecai Lincoln Road (MHC 117)). This mill was one of three mills constructed by Lincoln along the same river. It was the lowest of three mills he had on Bound Brook. Bound Brook was at one time a part of the boundary between the Plymouth and Massachusetts Bay colonies (Merritt 1928:85). It was said that in dry times the water was run through the farthest mill for two days, dammed, then released to the second mill for two days, dammed, and released to the third mill. The 1795 map of the town identifies Lincoln's mill as only the "gristmill."

Lincoln's first wife, Sarah, was a daughter of Abraham Jones of Hull. Sarah died in the late seventeenth century and

**X Recommended for listing on the National Register of Historic Places. If checked, you must complete a National Register Criteria Statement.**



# INVENTORY FORM CONTINUATION SHEET

Community: Scituate      Property Address: 62-68 Mordecai Lincoln Rd

Massachusetts Historical Commission  
Massachusetts Archives Facility  
220 Morrissey Boulevard  
Boston, Massachusetts 02125

Area(s)

Form No. 116

Mordecai married the widow Mary Hobart Chapin Gannett in 1702, with whom he had one child. Mordecai died in 1727 at the age of 71 and was buried at Groveland Cemetery in Scituate. He left his house in Cohasset (not extant) to his son Isaac and to his son Jacob he left his "homestead in Scituate with land, mills, and other valuables" (DAR 1921:105). The Mordecai Lincoln House did not pass out of the Lincoln family until early in the nineteenth century. Although it had passed out of the Lincoln family, the mills and house are still to this day referred to as the Lincoln House and Mills.

The 1831 map shows three buildings at this location, the house, the mill, and a building to the rear. By this time, several additional buildings had been constructed along Mordecai Lincoln Road, south of the Mordecai Lincoln House and mills. The next known owner of the Mordecai Lincoln House and mills was Horace Doane. The property is identified on the 1879 map as the property of L.W. Cook, an auctioneer. There appears to be some confusion over the ownership of the property, for local sources claim that Doane left the property to his grandson who sold it 1915 for use as a summer residence (DAR 1921:107), while the 1903 map identifies the house as the L.W. Cook Estate. The mill, however, is identified as the property of the Lincoln Mill Company, suggesting that the mill was still in operation at this time. The directory from 1894 lists only J.W. Morris as operating a mill along this road. It may be that the mill continued to operate under the Lincoln name while being operated by Morris.

Sanborn maps from the 1930s fail to show this end of Mordecai Lincoln Road, and therefore, it remains unclear as to when operations ceased at the Lincoln Mill. It was used to house antiques, as evidenced by a sign on the front of the mill bearing the word "Antiques." By 1967 the property was owned by Mr. and Mrs. Donald B. Ladd and the mill building was being used for storage.

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MAR 26 2000

MASS. HIST. COMM

**INVENTORY FORM CONTINUATION SHEET**

**Community:** Scituate      **Property Address:** 62-68 Mordecai Lincoln Rd

**Massachusetts Historical Commission  
Massachusetts Archives Facility  
220 Morrissey Boulevard  
Boston, Massachusetts 02125**

**Area(s)**

**Form No.** 116

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- Town of Scituate. *Persons Assessed For Poll Tax in the Town of Scituate, April 1, 1924*. On file, Commonwealth of Massachusetts State Library, Boston, MA, 1924.
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## INVENTORY FORM CONTINUATION SHEET

Community: Scituate      Property Address: 62-68 Mordecai Lincoln Rd

Massachusetts Historical Commission  
Massachusetts Archives Facility  
220 Morrissey Boulevard  
Boston, Massachusetts 02125

Area(s)

Form No. 116

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## NATIONAL REGISTER OF HISTORIC PLACES CRITERIA STATEMENT

The Mordecai Lincoln Homestead and Mill Complex 62-68 Mordecai Lincoln Road are potentially eligible for listing in the National Register of Historic Places under Criteria A and C at the local level in the areas of industry and architecture. Further research is required to determine what, if any, waterpower infrastructure remains on the interior of the mill. The 1981 Massachusetts Historical Commission Survey Reconnaissance Report for Hingham lists the complex as one of several industrial properties eligible for listing in the National Register. The property meets the eligibility requirements under criterion C as an exceptional local example of the Colonial style. Constructed in ca. 1690, the house still retains the massing, scale, and architectural features of a late seventeenth-century building. The property may also be eligible for listing under criterion B for its association with Mordecai Lincoln, one of the early industrialists of the area and great, great, great, grandfather of President Abraham Lincoln. The building possesses integrity of location, design, setting, materials, workmanship, feeling, and association. Additional historical research will be required to complete the nomination and to evaluate the significance of the property under criterion B.



Mordecai Lincoln House - 62 Mordecai Lincoln Rd.  
2000.



68 Mordecai Lincoln Road - plaque. 2000.

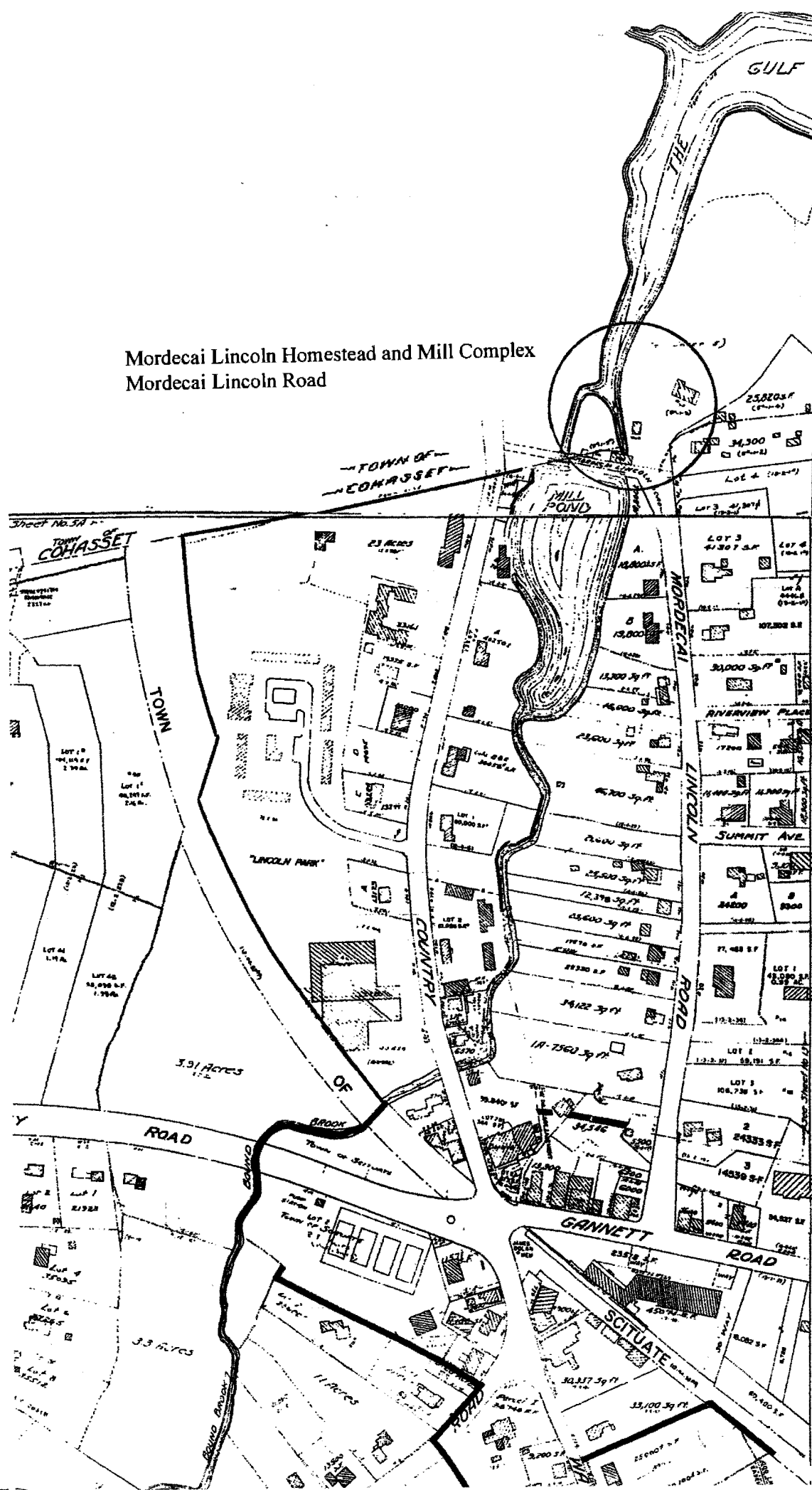


68 Mordecai Lincoln Road. 2000.



68 Mordecai Lincoln Road. 2000.

Mordecai Lincoln Homestead and Mill Complex  
Mordecai Lincoln Road



**FORM B - BUILDING**

MASSACHUSETTS HISTORICAL COMMISSION  
294 WASHINGTON STREET, BOSTON, MA 02108

SCI.116

AREA	FORM NO.



Town SCITUATE

Address 62 Mordecai Lincoln Rd

Historic Name Lincoln Mill

Use: Present Storage

Original Sawmill

DESCRIPTION: )

Date 1690's )

Source Old Scituate, DAR, 1921

Style Colonial

Architect \_\_\_\_\_

Exterior wall fabric shingles

Outbuildings none

Major alterations (with dates) \_\_\_\_\_

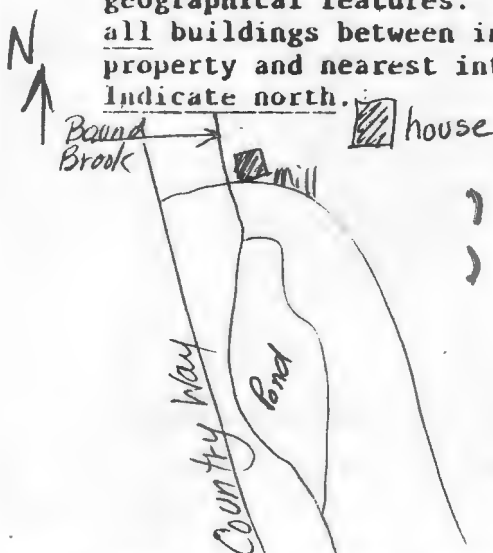
Moved no Date \_\_\_\_\_

Approx. acreage \_\_\_\_\_

Setting On Bound Brook near boundary between Scituate and Cohasset

**SKETCH MAP**

Show property's location in relation to nearest cross streets and/or geographical features. Indicate all buildings between inventoried property and nearest intersection. Indicate north.



Recorded by Miriam Chesley

Organization Scituate Hist. Soc.

Date Dec. 1967

(Staple additional sheets here)

**ARCHITECTURAL SIGNIFICANCE** (Describe important architectural features and evaluate in terms of other buildings within the community.)

This is one of three mills run by Mordecai Lincoln and it is said in dry times the water was run through the farthest mill for 2 days--dammed, then released to the second mill for 2 days; dammed and released to the third mill, displaying Yankee ingenuity and thrift.

**HISTORICAL SIGNIFICANCE** (Explain the role owners played in local or state history and how the building relates to the development of the community.)



**BIBLIOGRAPHY and/or REFERENCES** (name of publication, author, date and publisher)

Biglow, E. Victor, ANarrative History of the Town of Cohasset, Mass., Press of Samuel Usher, Boston, Mass. 1898

DAR, Old Scituate, Earnshaw Press Corp. Boston, Mass., 1921



2. Town SCITUATE (North Scituate)Street address 62 Mordecai Lincoln RdName LINCOLN MILLOriginal use Saw millPresent use StoragePresent owner Mr & Mrs. Donald B. LaddOpen to public NoDate 1691-92 Style ColonialSource of date Old Scituate

Architect \_\_\_\_\_

3. CONDITION: Excellent Good-Fair Deteriorated Moved Altered Added \_\_\_\_\_

## 4. DESCRIPTION

FOUNDATION/BASEMENT: High Regular Low Material: StoneWALL COVER: Wood Shingles Brick Stone Other \_\_\_\_\_ROOF: Ridge Gambrel Flat Hip Mansard  
Tower Cupola Dormer windows Balustrade Grillwork \_\_\_\_\_CHIMNEYS: 1 2 3 4 Center End End interior Cluster Elaborate IrregularSTORIES: 1 2 3 4 ATTACHMENTS: Wings Ell Shed Dependency \_\_\_\_\_

PORCHES: 1 2 3 4 Portico \_\_\_\_\_ Balcony Recessed: \_\_\_\_\_

FACADE: Gable end: Front Side Ornament: \_\_\_\_\_2 Entrances: Side Front: Center/Side Details: 2 for vehicles "5m ordinary door"Windows: Spacing: Regular Irregular Identical/Varied \_\_\_\_\_Corners: Plain Pilasters Quoins Cornerboards \_\_\_\_\_

## OUTBUILDINGS \_\_\_\_\_

5. Indicate location of structure in relation to nearest cross streets and other buildings

6. Footage of structure from street 0  
Property has 210' feet frontage on streetRecorder William D. ChesleyFor Scituate Historical SocietyPhoto 2Date December 26 1967

NOTE: Recorder should obtain written permission from Commission or sponsoring organization before using this form.

SEE REVERSE



## RELATION OF SURROUNDING TO STRUCTURE

## Neighboring Structures

Style: Colonial Federal Greek Revival Gothic Revival Italian Villa Lombard Rom.  
Venetian Gothic Mansard Richardsonian

Type Buildings: \_\_\_\_\_ Conditions: Excellent Good Fair Deteriorated

Use: Residential Commercial Religious Proximity: \_\_\_\_\_

Landscape Features: Agriculture Open Wooded Garden: Formal/Informal

Predominant Features On river & right on the street

Landscape Architect \_\_\_\_\_

GIVE A BRIEF DESCRIPTION OF HISTORIC IMPORTANCE OF SITE (Refer and elaborate on theme circled on front of form)

This is one of three mills run by Mardecai Lincoln and it is said in dry times the water was run through the furthest mill for 2 days - dammed, then released to the second mill for 2 days - dammed and released to the third mill - displaying "Yankee ingenuity & thrift."

Only Bannock Stone?

## BIBLIOGRAPHY AND/OR REFERENCE

Bigelow, E. Victor, A Narrative History of the Town of Cohasset, Massachusetts, Press of Samuel Usher, Boston, Mass. 1898  
Chief Justice Cushing Chapter, Daughters of the American Revolution, Old Scituate, Farnshaw Press Corp., Boston Mass 1921

## RESTRICTIONS

Original Owner: Mardecai Lincoln  
Deed Information: Book Number 2573 Page 102, Plymouth Registry of Deeds

**FORM B - BUILDING**

MASSACHUSETTS HISTORICAL COMMISSION  
294 WASHINGTON STREET, BOSTON, MA 02108

AREA	FORM NO.
M	116



Town SCITUATE

Address 62 Mordecai Lincoln Rd

Historic Name Mansion House

Use: Present residence

Original residence

**DESCRIPTION:**

Date 1699

Source Bk Old Scituate, 1921, DAR

Style two story center entrance center chimney colonial

Architect

Exterior wall fabric clapboards

Outbuildings garage and guest house

Major alterations (with dates) ell added

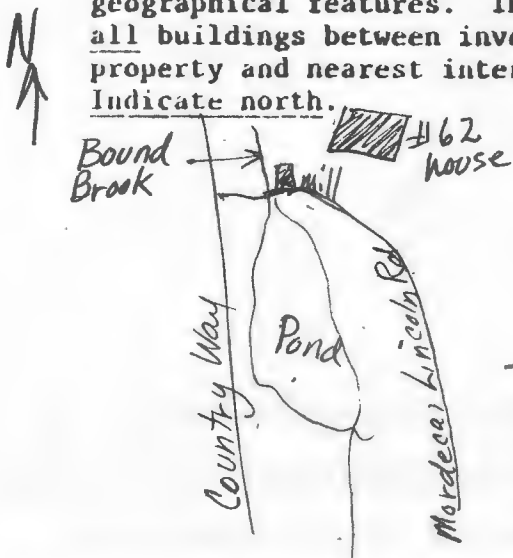
Moved no Date

Approx. acreage

Setting on Bound Brook overlooking salt marsh

**SKETCH MAP**

Show property's location in relation to nearest cross streets and/or geographical features. Indicate all buildings between inventoried property and nearest intersection. Indicate north.



Recorded by Miriam Chesley

Organization SCituate Hist. Soc.

Date Dec. 1967

(Staple additional sheets here)

ARCHITECTURAL SIGNIFICANCE (Describe important architectural features and  
evaluate in terms of other buildings within the community.)

HISTORICAL SIGNIFICANCE (Explain the role owners played in local or state  
history and how the building relates to the development of the community.)

This the second homestead of Mordecai Lincoln, the great great great grandfather of Abraham Lincoln.

BIBLIOGRAPHY and/or REFERENCES (name of publication, author, date and publisher)

Bigelow, E. Victor, A narrative History of the t<sup>own</sup> of <sup>Cohasset</sup> Massachusetts, Press of Samuel Usher, Boston, Mass. 1898

Pratt, Harvey Hunter, The early Planters of Scituate, Scituate Historical Society, 1929

Deed Plymouth Co. Bk 2<sup>5</sup>73, pg 100



2. Town Scituate (North Scituate)

Street address 62 Mordecai Lincoln Rd.

Name "MANJION HOUSE"

Original use Residence

Present use Residence

Present owner Mr & Mrs. Donald B. Ladd

Open to public No

Date 1690 Style Colonial

Source of date Old Scituate

Architect ?

coh  
28

3. CONDITION: Excellent Good Fair Deteriorated Moved Altered Added

4. DESCRIPTION

FOUNDATION/BASEMENT: High Regular Low Material: Stone

WALL COVER: Wood Clapboards Brick Stone Other

ROOF: Ridge Gambrel Flat Hip Mansard  
Tower Cupola Dormer windows Balustrade Grillwork

CHIMNEYS: 1 2 3 4 Center End End interior Cluster Elaborate Irregular

STORIES: 1 2 3 4 ATTACHMENTS: Wings Ell Shed Dependency Added Later

PORCHES: 1 2 3 4 Portico Balcony Recessed:

FACADE: Gable end: Front Side Ornament:

Entrance: Side Front Center Side Details: A trellis with seats added later - future plans to be removed

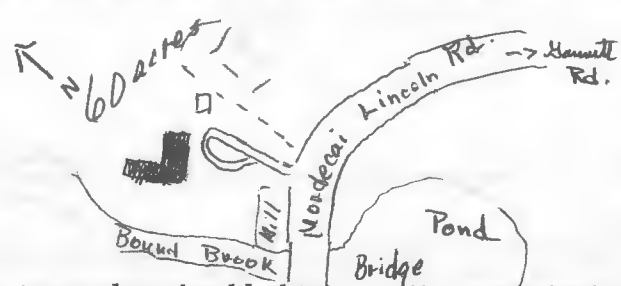
Windows: Spacing: Regular Irregular Identical Varied

Corners: Plain Pilasters Quoins Cornerboards

OUTBUILDINGS Garage & Guest house

5. Indicate location of structure in relation to nearest cross streets and other buildings

6. Footage of structure from street 175'  
Property has 270' feet frontage on street



Recorder Miriam S. Chesley

For Scituate Historical Society

Photo 1

Date December 26, 1967

NOTE: Recorder should obtain written permission from Commission or sponsoring organization before using this form.

SEE REVERSE SIDE

RELATION OF SURROUNDING TO STRUCTURE

SCI.116

Neighboring Structures

Style: Colonial Federal Greek Revival Gothic Revival Italian Villa Lombard Rom.  
Venetian Gothic Mansard Richardsonian

Type Buildings: Two homes & office building Conditions: Excellent Good Fair Deteriorated

Use: Residential Commercial Religious Proximity: 50 - 250'

Landscape Features: Agriculture Open Wooded Garden: Formal/Informal

Predominant Features Overlooks a salt water marsh  
Landscape Architect \_\_\_\_\_

GIVE A BRIEF DESCRIPTION OF HISTORIC IMPORTANCE OF SITE (Refer and elaborate on theme circled on front of form)

*This is the second homestead of  
Mordecai Lincoln, the great great great grandfather of Abraham  
Lincoln.*

BIBLIOGRAPHY AND/OR REFERENCE

*Bigelow, E. Victor, A Narrative History of the Town of Cohasset,  
Massachusetts, Press of Samuel Usher, Boston Mass 1898  
Pratt, Harvey Hunter, The Early Planters of Scituate,  
Scituate Historical Society, 1929*

RESTRICTIONS

Original Owner: Mordecai Lincoln  
Deed Information: Book Number 2573 Page 100, Plymouth Registry of Deeds

Scituate Inventory Meeting, April 18, 2000

Mordecai Lincoln Area

We concur that this area is NR eligible as a district

Concur that 62-68 Mordecai Lincoln Road is individually eligible for the NR 116

We are requesting a B Form for 30 Mordecai Lincoln Road

Gannett's Corner Area

We concur that this area is NR eligible as a district

Concur that the following buildings are individually eligible for the NR

19 Booth Hill Road

23 Booth Hill Road

65 Booth Hill Road

763 Country Way

We are requesting a B Form for 743 Country Way

Country Way Area

We concur that this area is NR eligible as a district

Concur that the following buildings are individually eligible for the NR

585 Country Way

First Baptist Church, 656 Country Way

691 Country Way

Pierce Memorial Library, 701 Country Way

Bailey-Ellis House, 709 Country Way

Groveland Cemetery, Mann Lot Road

We are requesting a B Form for 612 Country Way.

Tilden Road Area

We concur that this area is NR eligible as a district

We are requesting better photos of buildings located behind 49 and 59 Tilden Road. Are these the buildings listed in the data sheet as "Tilden Road, early 20<sup>th</sup> century"?

Also, why were 124 and 133 Beaver Dam Road excluded from this district? We are requesting B Forms for these two buildings (see below).

Greenbush Area

We concur that this area is NR eligible as a district

Concur that the following buildings are individually eligible for the NR



REPLY TO  
ATTENTION OF

**DEPARTMENT OF THE ARMY**  
NEW ENGLAND DISTRICT, CORPS OF ENGINEERS  
696 VIRGINIA ROAD  
CONCORD, MASSACHUSETTS 01742-2751

June 6, 2000

*MHC formally  
concurred 6/8/2000  
(see last page of this  
document - P6)*

Regulatory Branch

Ms. Judith B. McDonough, Executive Director  
Massachusetts Historical Commission  
Massachusetts Archives Building  
220 Morrissey Boulevard  
Boston, Massachusetts 02125

Dear Ms. McDonough:

The U.S. Army Corps of Engineers, New England District (NAE) is in the process of conducting consultation meetings under Section 106 of the National Historic Preservation Act, as amended, for the proposed Greenbush commuter rail project. On April 25, 2000, Ms. Brona Simon, Deputy State Historic Preservation Officer, attended a consultation meeting at our office. Prior to that date, Ms. Kate Atwood, NAE Archaeologist, attended a meeting with Ms. Simon and Ms. Betsy Friedberg at your office on April 18, 2000. After requesting additional information and meeting again at your office on May 22, 2000, we asked for additional area forms. We have now reviewed the additional information and have reached consensus with regards to recommendations made by the project proponent (Massachusetts Bay Transit Authority, MBTA), for National Register (NR) eligibility determinations for properties in Scituate located within the Area of Potential Effect (APE). We would appreciate your formal concurrence with these NR determinations.

**Mordecai Lincoln Area**

The Mordecai Lincoln Area is eligible for the NR under Criteria A and C at the local level in the areas of community planning and development, industry, and architecture. Part of the Conihasset Grant of 1637, the area is defined by Mordecai Lincoln Road, originally known as Blossom Street and sometimes called the Cohasset Road. Located near an early mill site, the area reflects the overall growth of Scituate as a suburb in the last quarter of the nineteenth and first quarter of the twentieth centuries. We agree that two properties within the Mordecai Lincoln Historic District are individually eligible for the NR: 30 and 62-68 Mordecai Lincoln Road.

116

**Gannett's Corner Area**

We concur that the Gannett's Corner Area is eligible for listing in the NR under Criteria A and C at the local level in the areas of exploration/settlement, community

**APPENDIX C**  
**MEMORANDUM OF AGREEMENT**



**MEMORANDUM OF AGREEMENT  
AMONG THE  
U.S. FISH AND WILDLIFE SERVICE,  
THE MASSACHUSETTS HISTORICAL COMMISSION,  
AND THE  
TOWN OF SCITUATE  
FOR THE HUNTER'S POND DAM REMOVAL PROJECT  
IN SCITUATE, MASSACHUSETTS**

WHEREAS, the Town of Scituate (Town), the project proponent, is proposing the Hunter's Pond Dam Removal Project in Scituate, Massachusetts, consisting of removal of the dam, replacement of the culvert gate structure, repair of the culvert/raceway, and associated stabilization of the Mordecai Lincoln Mill wheelpit to restore a free-flowing riverine system for migratory and resident fish passage ("the undertaking"); and

WHEREAS, the undertaking will be accomplished using federal funds from the Disaster Relief Appropriations Act of 2013 through the Department of the Interior and the U.S. Fish and Wildlife Service (USFWS) is providing staff time for the Project, thereby making the Project and undertaking subject to review under Section 106 of the National Historic Preservation Act (NHPA), 54 U.S.C. § 306108, and its implementing regulations, 36 CFR § 800; and

WHEREAS, the USFWS has consulted with the Massachusetts Historical Commission (MHC) the office of the Massachusetts State Historic Preservation officer (SHPO) pursuant to applicable regulations found in 36 CFR Part 800 implementing Section 106 of the National Historic Preservation Act (54 U.S.C. 470f) and has provided documentation titled *Report Bound Brook Restoration Scituate, Massachusetts* required by 36 CFR § 800.11 and meeting the Secretary of Interior's *Standards and Guidance for the Implementation of the Federal Standards Entitled Archaeology and Historic Preservation; Secretary of the Interior's Standards and Guidelines (48 FR 44742, September 29, 1983) 1999 rev. 2003* ; and

WHEREAS, the USFWS has determined in consultation with the Massachusetts Historical Commission (MHC) in correspondence dated October 11, 2016 and concurred by the SHPO on November 3, 2016 that the undertaking will have an adverse effect on the eligible for listing Mordecai Lincoln Area and Mordecai Lincoln Homestead and Mill Complex; and

WHEREAS, the USFWS has invited the Advisory Council on Historic Preservation (ACHP) to participate in the consultation process in correspondence dated November 28, 2016 and the ACHP has elected not to participate; and

WHEREAS, the USFWS has solicited input from the Mashpee Wampanoag Indian Tribal Council (Tribe) to participate in this Section 106 Consultation process and the Tribe has determined that its participation is not necessary; and

WHEREAS, the USFWS has invited the Wampanoag Tribe of Gay Head to participate in this Section 106 Consultation process in correspondence dated October 3, 2016 and received no response; and

WHEREAS, the USFWS has invited the Massachusetts Board of Underwater Archaeological Resources to participate in this Section 106 Consultation process in correspondence dated October 3, 2016 and they have elected to participate in this consultation; and

WHEREAS, the USFWS and Town have invited the Scituate Historical Commission and Scituate Historic Society to participate in this Section 106 Consultation process and comment on this MOA and they have elected to participate in this consultation; and

NOW THEREFORE, the USFWS and the MHC agree that the Project undertaking shall be implemented in accordance with the following stipulations in order to take into account the effect of the undertaking on historic properties:

### **Stipulations**

The USFWS shall ensure that the following measures are implemented:

I. Impact Avoidance of Identified Structures

- A. On behalf of the USFWS and Town, a 36 CFR 61 qualified industrial historian will visually assess the Mordecai Lincoln Mill wheelpit prior to construction and after dewatering to determine if any previously unidentified historical waterpower features will be impacted during the repair of the culvert/raceway and stabilization of the mill wheelpit. If such historical waterpower features will be impacted by the proposed wheelpit stabilization measures, mitigation measures will be proposed to MHC for review and comment. If MHC does not comment or object to the proposed mitigation measures within seven calendar days, the USFWS and Town shall implement the proposed plan.

II. Documentation

- A. On behalf of the USFWS and Town, a 36 CFR 61 qualified architectural/industrial historian will prepare archival photographic documentation of the Mordecai Lincoln Mill prior to removal of the dam spillway and any construction activities. High-resolution digital photographs will be taken that show the mill in its setting within the Mordecai Lincoln Homestead and Mill Complex and within the Mordecai Lincoln Area; general views of the mill and dam; and details of the dam spillway, culvert/raceway, gate structure, and wheelpit prior to construction and after dewatering. Photographic documentation shall consist of digital photographs captured and printed according to the MHC Photographic Documentation Technical Requirements for Digital Images, keyed to an existing conditions project plan where applicable. Written recordation shall consist of copies of historical images and a text discussing the history and development of the mill site based upon information included in current MHC Inventory Forms (MHC # SCI.M; SCI.116) and any additional research conducted

in the planning stages of the project. All written recordation shall be printed on archival paper and all photographic and written documentation housed in an archival box. An MHC Form D, historical archaeological site form shall be completed and submitted to the MHC for any identified historic waterpower features.

- B. An original archival copy of the documentation shall be provided to the Town of Scituate, for curation by the Scituate Historical Commission, Scituate Historical Society or Scituate Town Library. A copy of the transmittal documents to the Town of Scituate and a non-archival paper copy of the archival documentation shall be submitted to the MHC.

### III. Post Review Discoveries

- A. The USFWS and Town shall notify MHC and appropriate invited signatories and/or interested parties, if previously unidentified historic properties, including archaeological resources, are discovered during construction activities. Consultation among the signatories and invited signatories shall proceed pursuant to 36 CFR 800.13 and the USFWS and MHC shall apply the National Register criteria of eligibility (36 CFR 60) and treat the resources consistent with the Massachusetts Board of Underwater Archaeological Resources Policy Guidance for the Discovery of Unanticipated Archaeological Resources.

### IV. Dispute Resolution

- A. Should any signatory to this Agreement object within thirty (30) days to any actions proposed or carried out pursuant to this MOA, the USFWS shall consult with the signatory to resolve the objection. If the USFWS determines that the objection cannot be resolved, the USFWS shall forward all documentation relevant to the dispute to the ACHP. Within thirty (30) days after receipt of all pertinent documentation, the ACHP will either:
  - 1. Provide the USFWS with recommendations which the USFWS will take into account in reaching a final decision regarding the dispute; or
  - 2. Notify the USFWS that it will comment pursuant to 36 CFR 800.6(b), and proceed to comment. Any recommendations or comment provided by the ACHP will be understood to pertain only to the subject of the dispute; the USFWS responsibility to carry out all actions under the MOA that are not subject of the dispute will remain unchanged.
- B. If at any time during the implementation of the measures stipulated in this MOA, an objection should be raised by an interested member of the public or consulting parties, the USFWS will consult with the other parties to this MOA to determine the appropriate response.

V. Duration

- A. This MOA will expire if its terms are not carried out within three (3) years from the date of its execution. Prior to such time, the USFWS may consult with the other signatories to reconsider the terms of this MOA and amend it in accordance with Stipulation VIII below.

VI. Limitations and Assurances

- A. This MOA is not a fiscal or fund obligating document and no funds are transferred hereunder. The USFWS will ensure Project partners gain best professional cost estimates for all activities proposed in this undertaking. The USFWS agrees not to proceed with the undertaking until the project partners have obtained adequate funding, based on best professional estimates, to fulfill the obligations under this MOA.

VII. Amendments

- A. This MOA may be amended when such an amendment is agreed to in writing by all signatories. The amendment will be effective on the date a copy signed by all of the signatories is filed with the ACHP.

VIII. Termination

- A. If any signatory to this MOA determines that its terms will not or cannot be carried out, that party shall immediately consult with the other party in attempt to develop an amendment per the stipulation in Section VIII, above. If, within thirty (30) days (or another time period agreed to by both signatories), an amendment cannot be reached, any signatory may terminate the MOA upon written notification to the other signatories.
- B. In the event the MOA is terminated, the USFWS will either execute an MOA with signatories pursuant to 36 CFR 800.6 (c), or request a written response from the ACHP under 36 CFR 800.7 (a).

Execution of this MOA by the USFWS and MHC, and its subsequent filing with the ACHP, and implementation of its terms evidences that the USFWS has afforded the ACHP an opportunity to comment on the Hunter's Pond Dam Removal Project, and that USFWS has taken into account the effects of the undertaking on historic properties.



SIGNATORY PAGE 1

MEMORANDUM OF AGREEMENT  
AMONG THE  
U.S. FISH AND WILDLIFE SERVICE,  
THE MASSACHUSETTS HISTORICAL COMMISSION,  
AND THE  
TOWN OF SCITUATE  
FOR THE HUNTER'S POND DAM REMOVAL PROJECT  
IN SCITUATE, MASSACHUSETTS

U.S. FISH AND WILDLIFE SERVICE

By: Paul R. Phifer Date: 3/8/17  
Paul Phifer, Assistant Regional Director, Regional Ecological Services Program

MASSACHUSETTS HISTORICAL COMMISSION

By: Brona Simon Date: 4/4/17  
Brona Simon, Executive Director, State Historic Preservation Officer, State Archaeologist

**SIGNATORY PAGE**

**MEMORANDUM OF AGREEMENT  
AMONG THE  
U.S. FISH AND WILDLIFE SERVICE,  
THE MASSACHUSETTS HISTORICAL COMMISSION,  
AND THE  
TOWN OF SCITUATE  
FOR THE HUNTER'S POND DAM REMOVAL PROJECT  
IN SCITUATE, MASSACHUSETTS**

INVITED SIGNATORIES:

TOWN OF SCITUATE, MASSACHUSETTS

By:  Date: 3/15/17  
Patricia A. Vinchesi, Town Administrator

## **EXHIBIT 1**

### **Plan of the Undertaking**



# HUNTERS POND DAM REMOVAL

## A.K.A. MORDECAI LINCOLN ROAD DAM

### TOWN OF SCITUATE

### PLYMOUTH COUNTY, MASSACHUSETTS

GENERAL NOTES:

1. THE APPROVAL AND USE OF THESE PLANS ARE FOR THE PROJECT APPLICANT AS DEPICTED ON THIS SHEET. THIS PLAN IS NOT TO BE UTILIZED IN THE PREPARATION OF ANY OTHER PROJECTS.
2. AS FIELD CONDITIONS MAY REQUIRE FIELD MODIFICATION AND MINOR CHANGES TO PROPOSED CONDITIONS, THESE PLANS ARE NOT TO BE UTILIZED AS AS-BUILTS.
3. THESE PLANS ARE NOT TO BE UTILIZED FOR CONSTRUCTION, UNTIL ALL REQUIRED LOCAL, STATE, AND FEDERAL PERMITS ARE OBTAINED.
4. THE MORDECAI LINCOLN MILL, MILL CULVERT/RACEWAY, MORDECAI LINCOLN ROAD DAM, AND MORDECAI LINCOLN ROAD BRIDGE ARE HISTORIC PROPERTIES AS DEFINED UNDER THE NATIONAL HISTORIC PRESERVATION ACT OF 1966, AS AMENDED (NHPA). NO WORK DEVIATING FROM THE PROJECT PLANS AND SPECIFICATIONS SHALL OCCUR THAT ALTERS, DISTURBS, OR OTHERWISE IMPACTS THESE RESOURCES, UNLESS APPROVED BY THE PROJECT ENGINEER.

CONSTRUCTION NOTES:

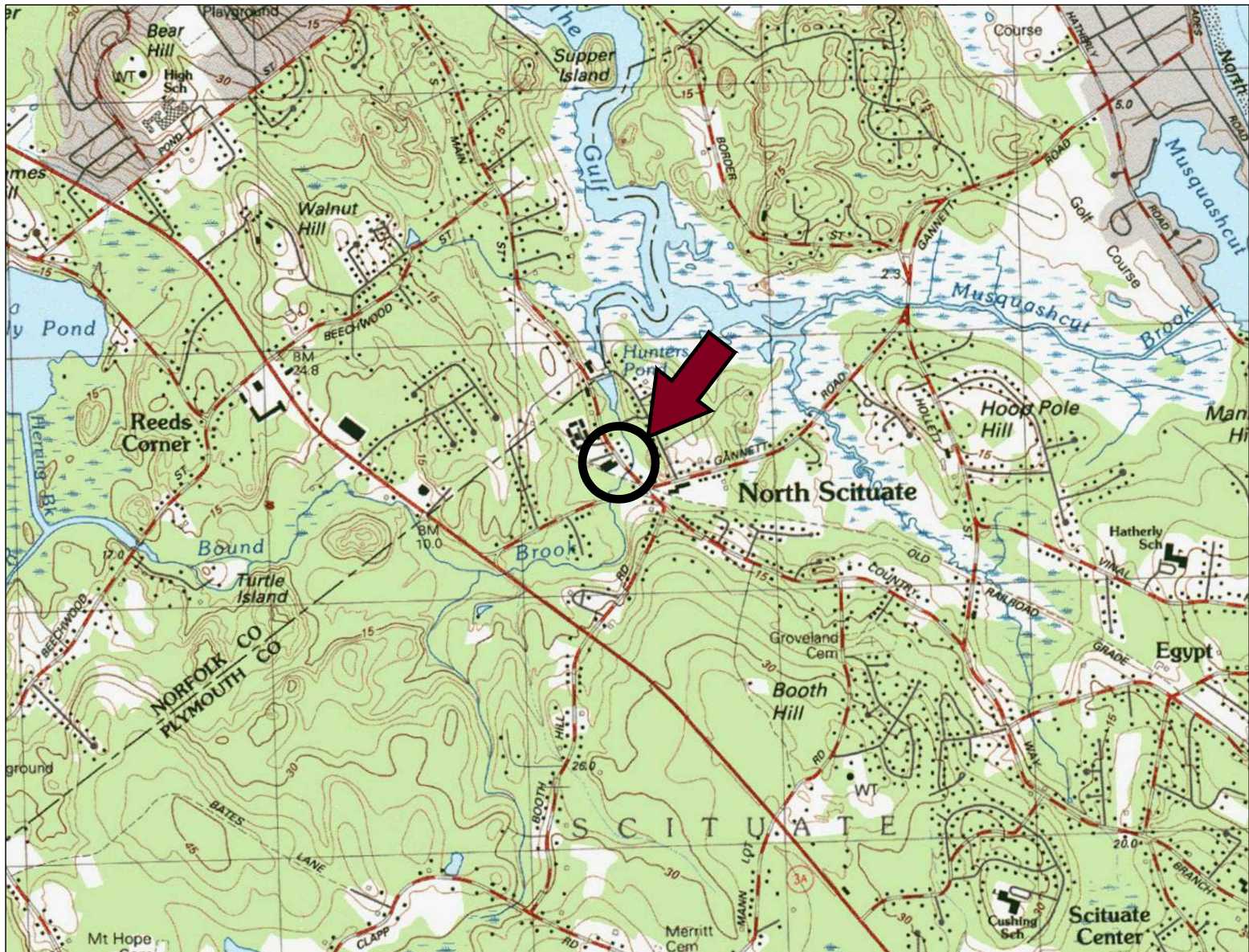
1. ALL MATERIALS SHALL CONFORM TO THE LATEST AMERICAN STANDARDS FOR TESTING AND MATERIALS SPECIFICATIONS (ASTM).
2. UTILITIES SHALL BE LOCATED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
3. NECESSARY PRECAUTIONS SHALL BE TAKEN BY THE CONTRACTOR TO PROTECT EXISTING SERVICES AND MAINS. ANY DAMAGE TO EXISTING SERVICES OR MAINS SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S OWN EXPENSE.
4. EXCAVATIONS AND STOCKPILES IN NO WAY SHALL HAVE SLOPES STEEPER THAN 2:1.
5. THE CONTRACTOR SHALL NOTE THAT IN THE CASE OF A DISCREPANCY BETWEEN THE SCALED AND THE FIGURED DIMENSIONS SHOWN ON THESE PLANS, THE FIGURED DIMENSIONS SHALL APPLY.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR AND REPLACEMENT OF ROADS, CURBS, FENCES, SIGNS, STRUCTURES, VEGETATION, IRRIGATION, LANDSCAPING COMPONENTS, AND ANY OTHER PROPERTY ITEMS THAT ARE REMOVED OR DAMAGED FOR THE PURPOSES OF THE PROJECT LOGISTICS AND ACCIDENTS.

CONSTRUCTION SAFETY AND SECURITY:

1. ALL CONSTRUCTION SHALL ADHERE TO OSHA STANDARDS AND REGULATIONS.



1 PROJECT SITE LOCATION  
2008 AERIAL PHOTOGRAPH



2 PROJECT VICINITY  
7.5 MINUTE SERIES USGS QUADRANGLE  
COHASSET, MA

PROJECT OWNER:

TOWN OF SCITUATE  
DEPARTMENT OF PUBLIC WORKS  
600 CHIEF JUSTICE CUSHING HIGHWAY  
SCITUATE, MA 02066  
781-545-8731

PROJECT FUNDING PROVIDED BY:

NATIONAL FISH AND WILDLIFE  
FOUNDATION HURRICANE SANDY  
COASTAL RESILIENCY COMPETITIVE  
GRANT PROGRAM

MASSACHUSETTS DEPARTMENT OF FISH  
AND GAME  
DIVISION OF ECOLOGICAL  
RESTORATION

CORPORATE WETLANDS RESTORATION  
PARTNERSHIP

TOWN OF SCITUATE

PROJECT PARTNERS:

NOAA RESTORATION CENTER

MASSACHUSETTS DEPARTMENT OF FISH AND GAME  
DIVISION OF ECOLOGICAL RESTORATION

MASSACHUSETTS OFFICE OF COASTAL ZONE  
MANAGEMENT

UNITED STATES FISH AND WILDLIFE SERVICE

NATIONAL FISH AND WILDLIFE FOUNDATION

CORPORATE WETLANDS RESTORATION  
PARTNERSHIP

TOWN OF SCITUATE

MASSACHUSETTS BAYS NATIONAL ESTUARY  
PROGRAM

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MASSACHUSETTS LAW REQUIRES  
3 WORKING DAYS NOTICE  
PRIOR TO CONSTRUCTION - STOP CALL  
REFERENCE 220 CMR 99.00  
AND GL C. 82 SEC. 40-40E  
DIG SAFE SYSTEM, INC.  
1-888-344-7233

PROJECT NOTES

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3/1/2017	REVISED PER PERMIT CONDITIONS
1/5/2017	REVISED PER REGULATORY COMMENTS
11/30/2016	REVISED PER USACE COMMENTS
11/9/2016	REVISED PER CLIENT COMMENTS
7/11/2016	REVISED PER CLIENT COMMENTS
6/24/2016	REVISED PER CLIENT COMMENTS
DATE	DESCRIPTION

REVISIONS

GEOFFREY M. GOLL  
Professional Engineer  
MA Lic. No. 48283

DATE



SCIENTISTS AND ENGINEERS  
1108 OLD YORK ROAD, SUITE 1  
P.O. BOX 720  
RINGOES, NEW JERSEY 08551  
PHONE: 908.237.5660  
FAX: 908.237.5666  
WWW.PRINCETONHYDRO.COM

PROJECT NAME/LOCATION:

HUNTERS POND DAM REMOVAL  
A.K.A. MORDECAI LINCOLN ROAD DAM  
TOWN OF SCITUATE  
PLYMOUTH COUNTY, MASSACHUSETTS

DRAWING NAME:

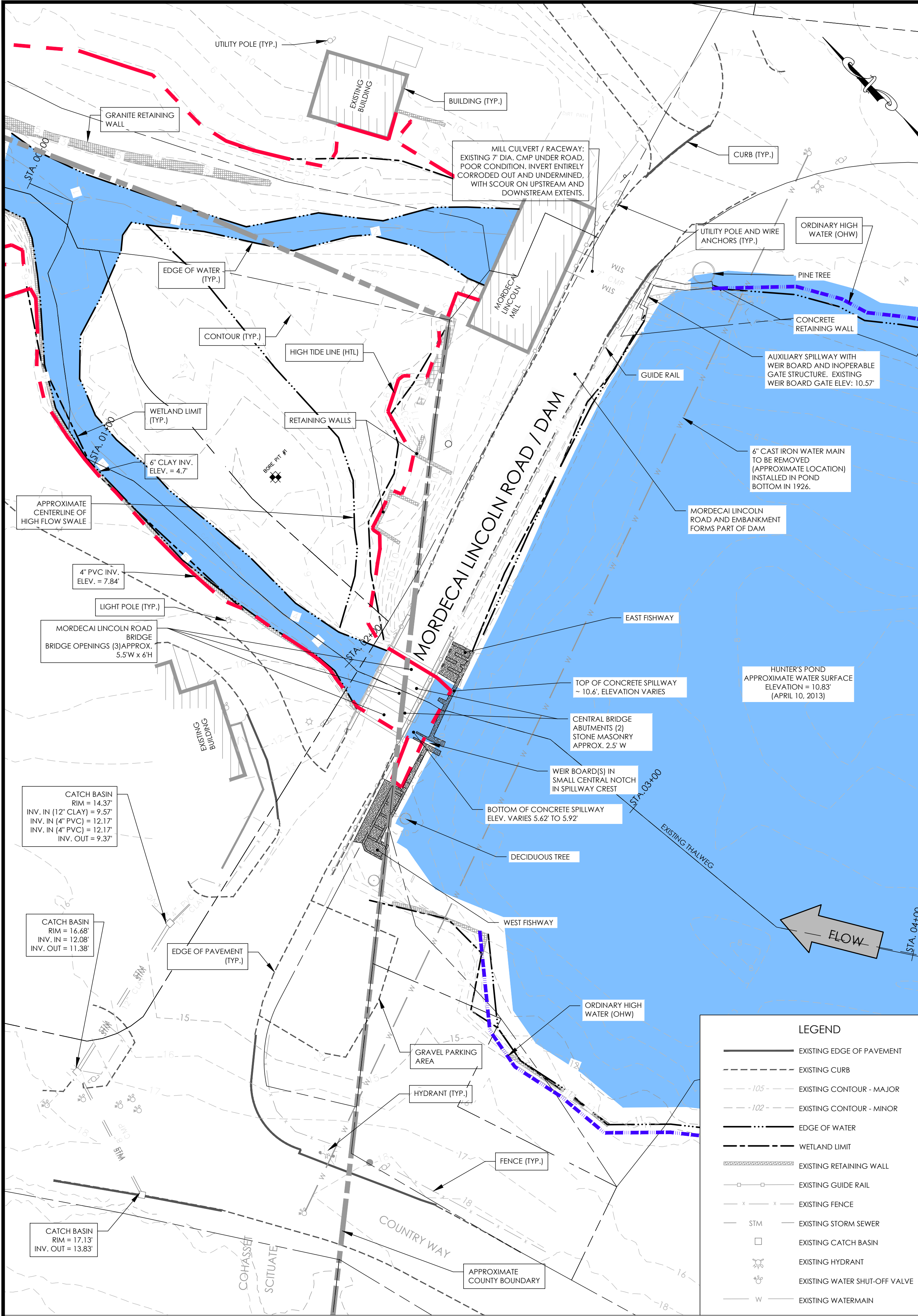
TITLE SHEET

DATE:	11/30/2016
PROJECT NO.:	1142.001
SCALE:	AS SHOWN
DRAWN BY:	AEM/DTK/STB
CHECKED BY:	LASW/PMW

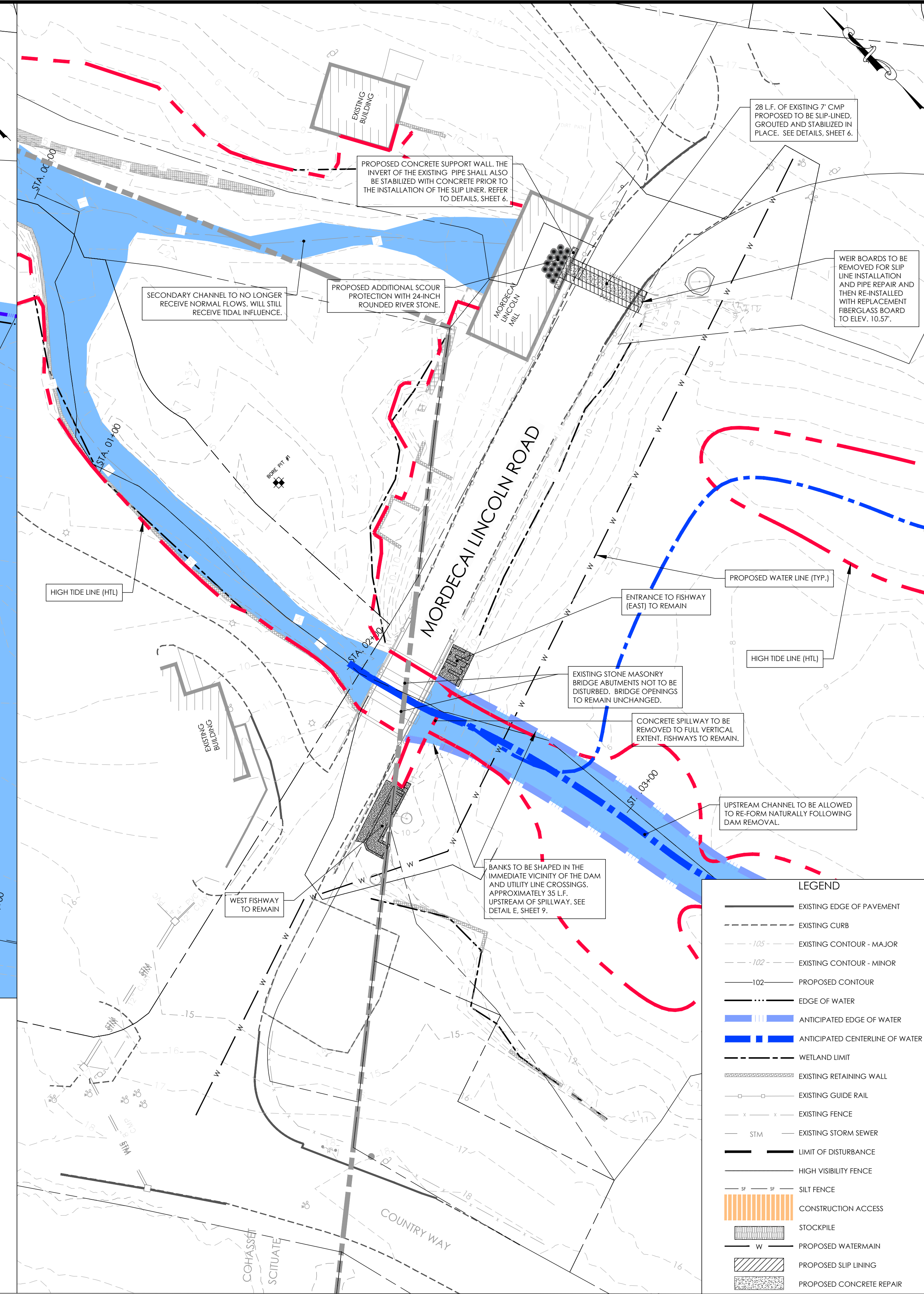
SHEET NO.

1 OF 9

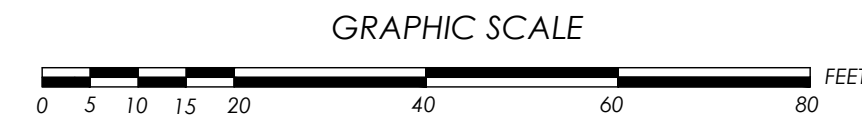




1 EXISTING CONDITIONS PLAN



2 PROPOSED CONDITIONS PLAN



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7/11/2016	REVISED PER CLIENT COMMENTS
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DATE	DESCRIPTION

REVISIONS

**GEOFFREY M. GOLL**  
Professional Engineer  
MA Lic. No. 48283

DATE



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1108 OLD YORK ROAD, SUITE 1  
P.O. BOX 720  
RINGOES, NEW JERSEY 08551  
PHONE, 908.237.5660  
FAX, 908.237.5666  
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PROJECT NAME/LOCATION:

HUNTERS POND DAM REMOVAL  
A.K.A. MORDECAI LINCOLN ROAD DAM  
TOWN OF SCITUATE  
PLYMOUTH COUNTY, MASSACHUSETTS

DRAWING NAME:

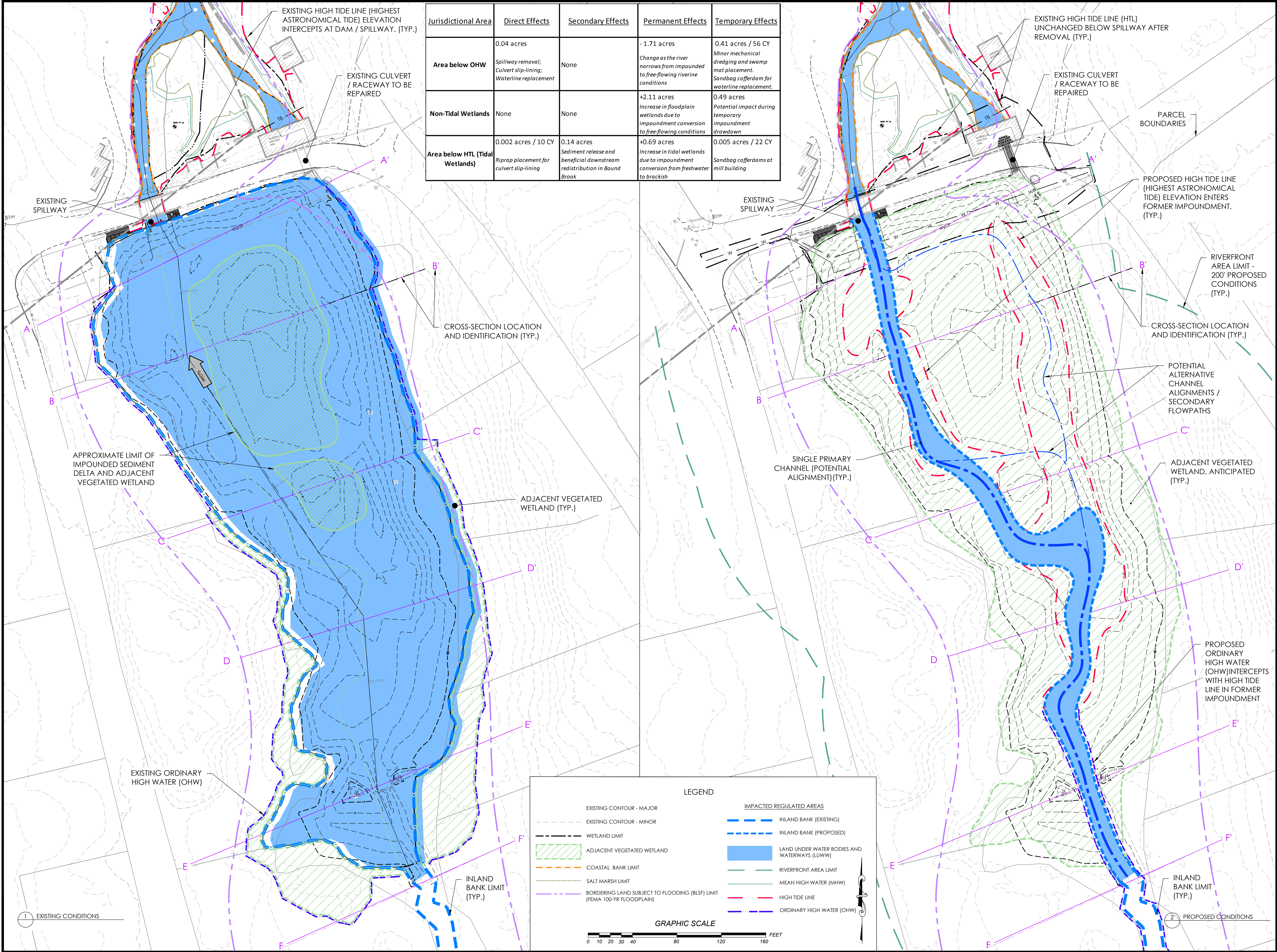
EXISTING AND PROPOSED  
CONDITIONS PLAN

DATE:	12/2/2016
PROJECT NO.:	1142.011
SCALE:	AS SHOWN
DRAWN BY:	AEM / DTK / STB
CHECKED BY:	LASW / PMW


SHEET NO.

2 OF 9





Jurisdictional Area	Direct Effects	Secondary Effects	Permanent Effects	Temporary Effects
Area below OHW	0.04 acres Spillway removal; Culvert slip-lining; Waterline replacement	None	-1.71 acres Change as the river narrows from impounded to free-flowing riverine conditions	0.41 acres / 56 CY Minor mechanical dredging and swamp mat placement. Sandbag cofferdam for waterline replacement.
Non-Tidal Wetlands	None	None	+2.11 acres Increase in floodplain wetlands due to impoundment conversion to free-flowing conditions	0.49 acres Potential impact during temporary impoundment drawdown
Area below HTL (Tidal Wetlands)	0.002 acres / 10 CY Riprap placement for culvert slip-lining	0.14 acres Sediment release and beneficial downstream redistribution in Bound Brook	+0.69 acres Increase in tidal wetlands due to impoundment conversion from freshwater to brackish	0.005 acres / 22 CY Sandbag cofferdams at mill building

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 1-888-344-7233

**PROJECT NOTES**

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11/9/2016	REVISED PER CLIENT COMMENTS
6/24/2016	REVISED PER CLIENT COMMENTS
DATE	DESCRIPTION

REVISIONS

**GEOFFREY M. GOLL**  
Professional Engineer  
MA Lic. No. 48283

DATE

**PRINCETON HYDRO, LLC** **PH**

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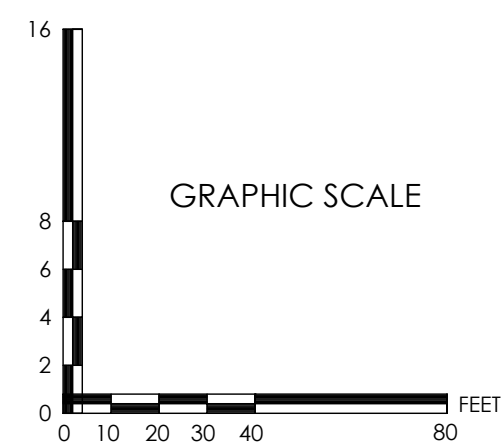
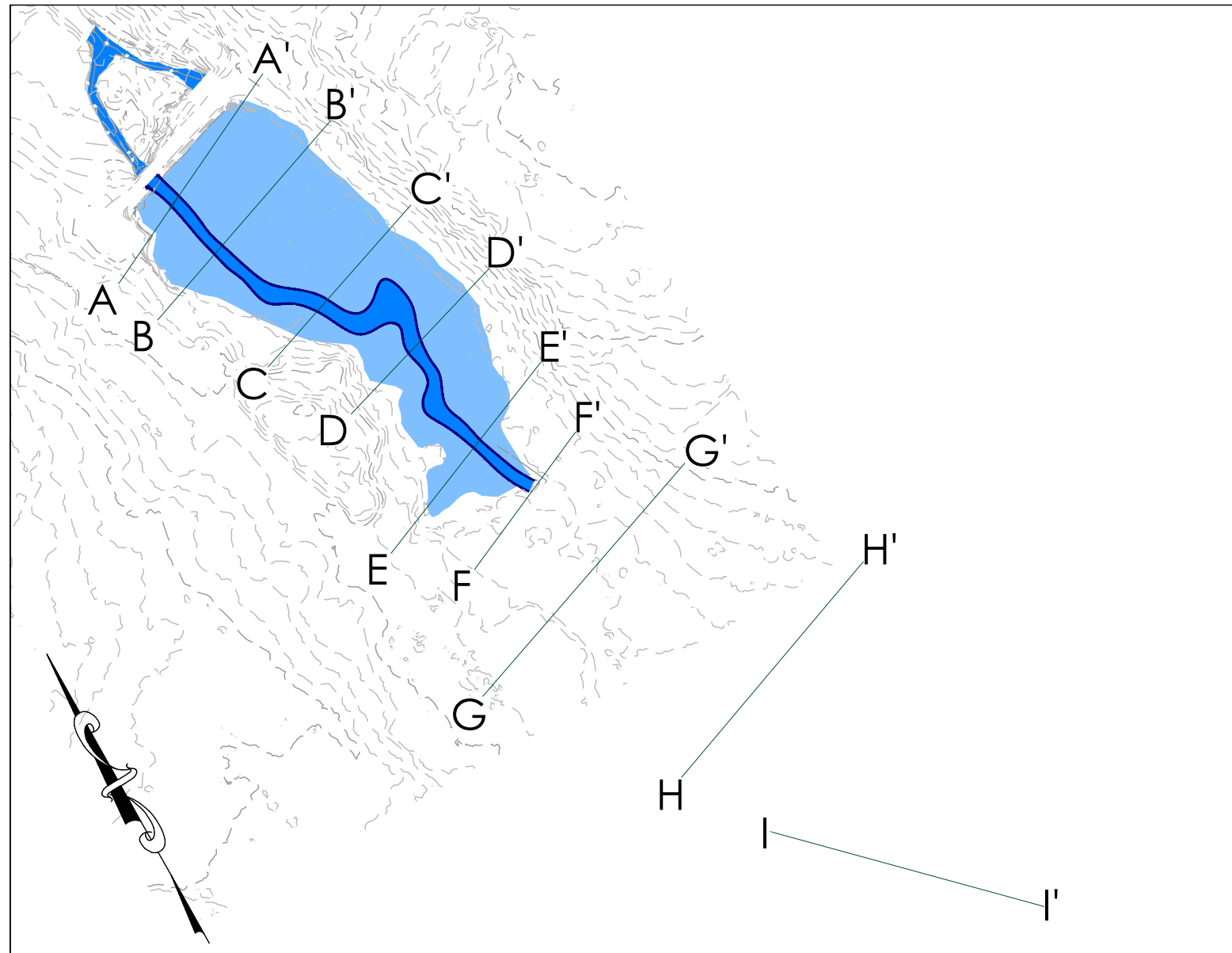
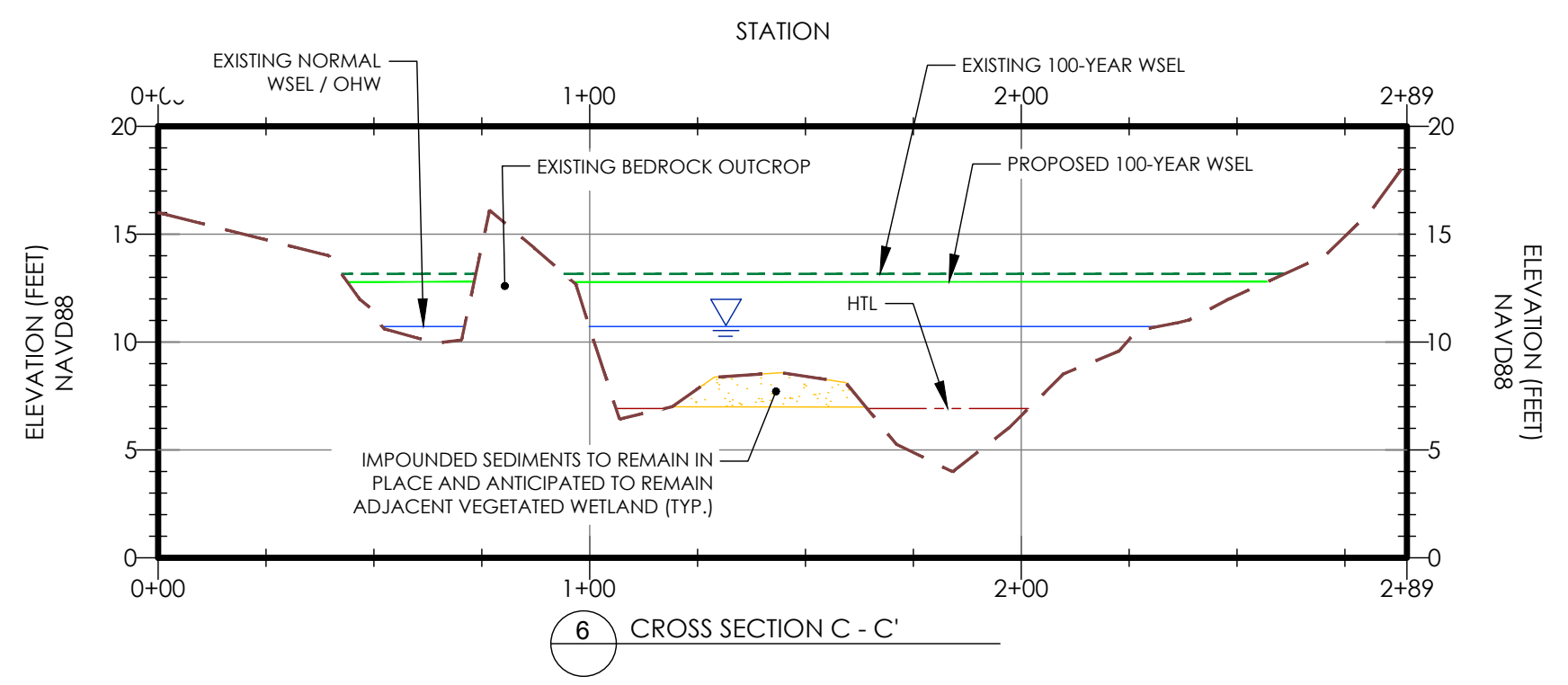
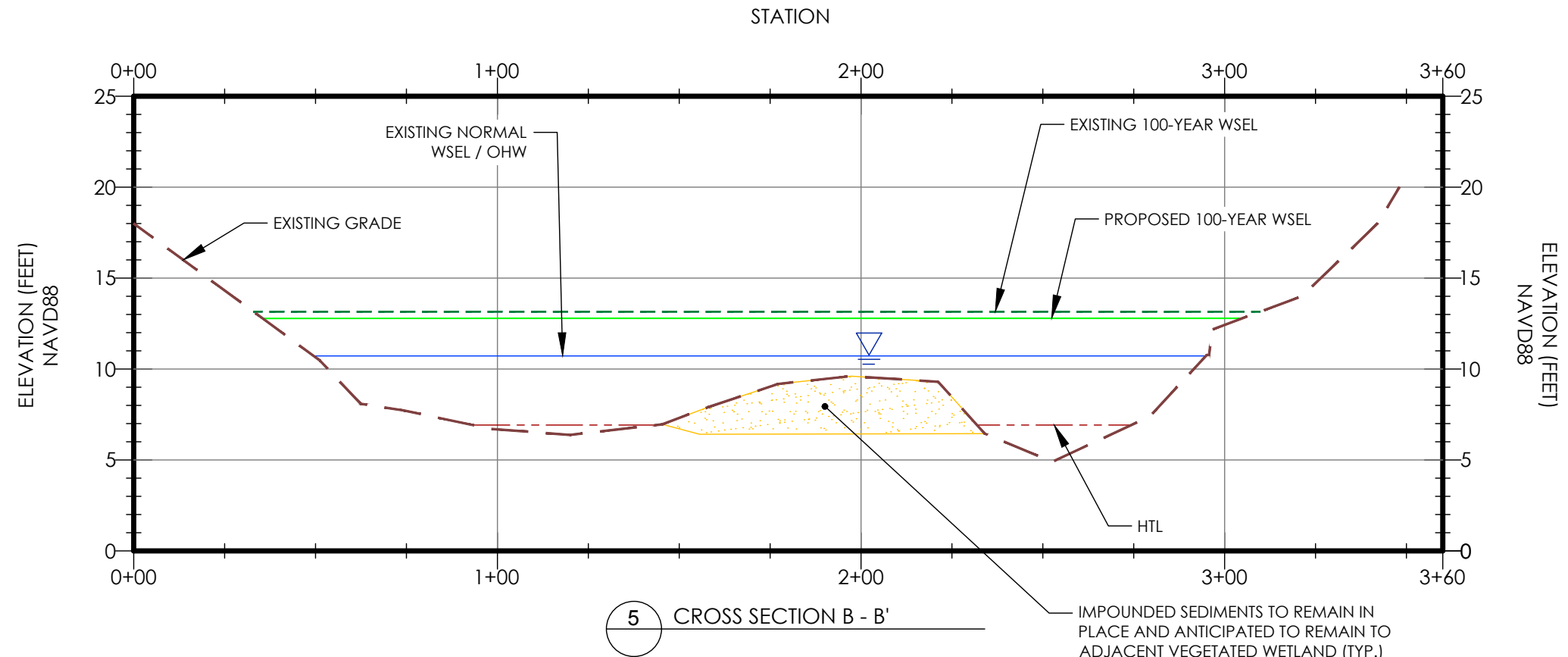
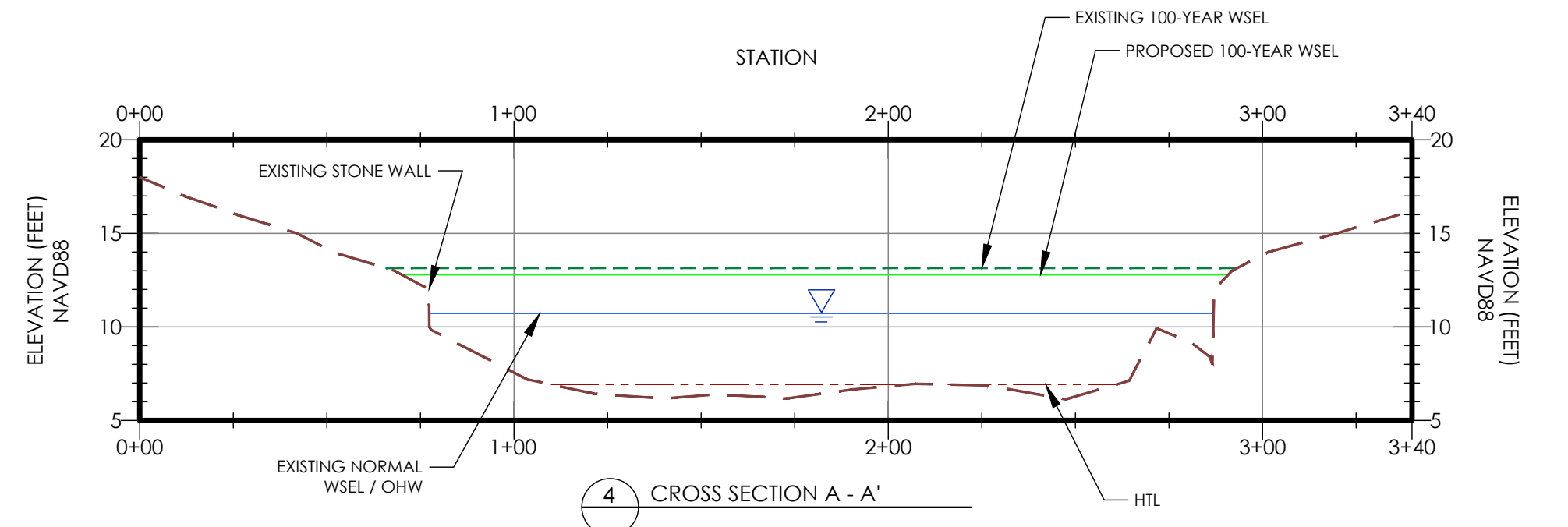
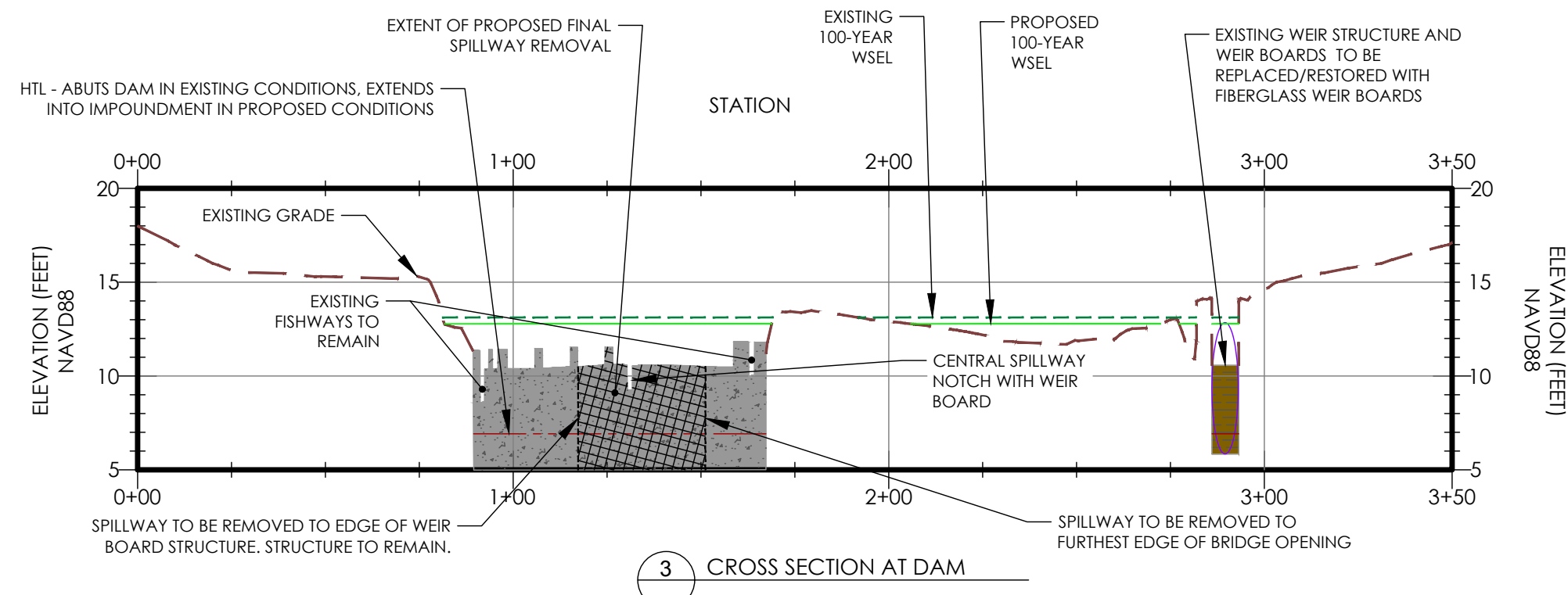
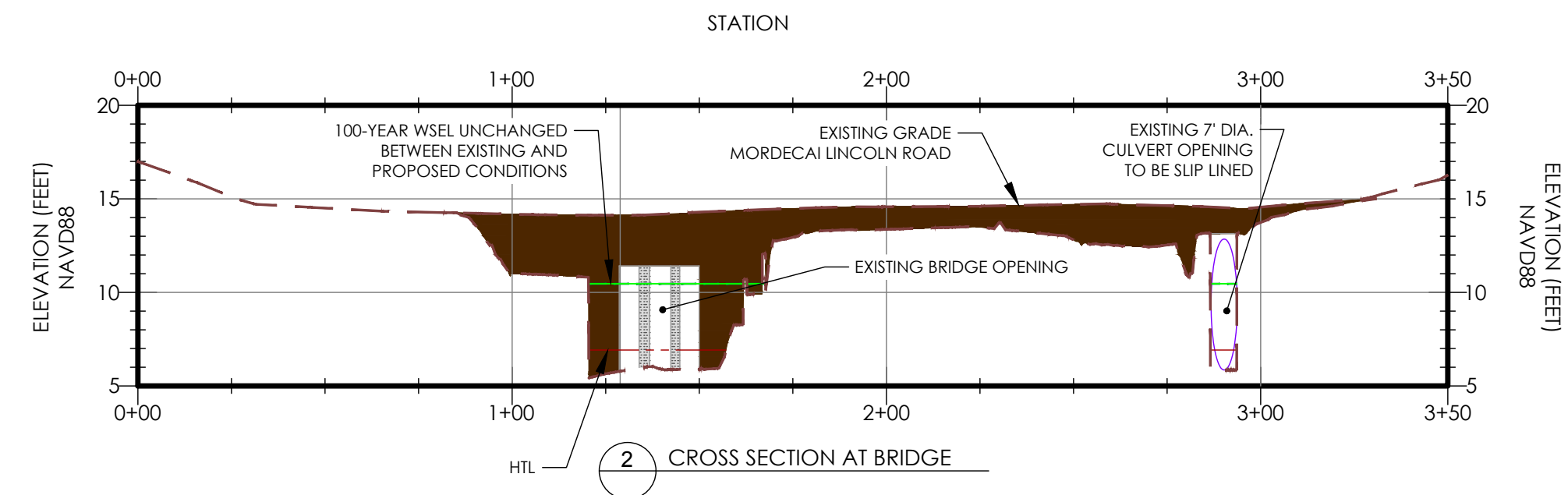
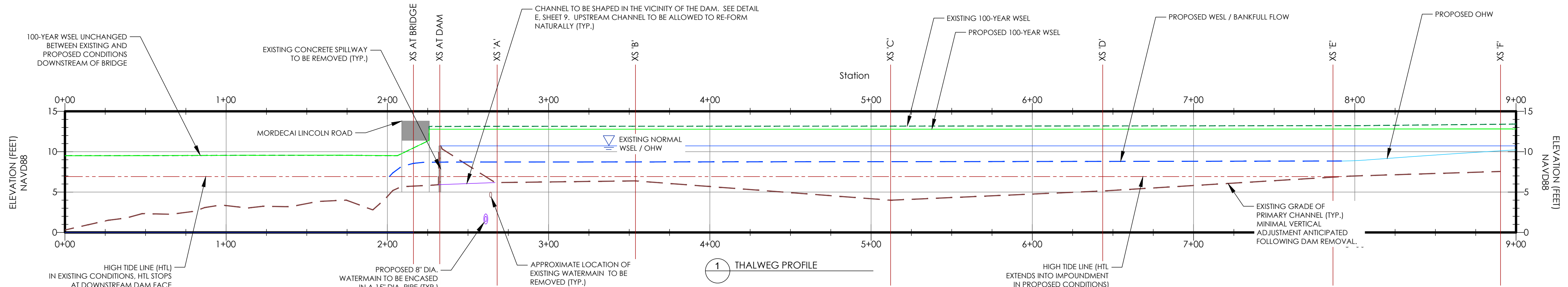
PROJECT NAME/LOCATION:  
HUNTERS POND DAM REMOVAL  
A.K.A. MORDECAI LINCOLN ROAD DAM  
TOWN OF SCITUATE  
PLYMOUTH COUNTY, MASSACHUSETTS

DRAWING NAME:  
REGULATED AREAS PLAN

DATE:	12/2/2016
PROJECT NO.:	1142.011
SCALE:	AS SHOWN
DRAWN BY:	PW / DTK / STB
CHECKED BY:	LASW

SHEET NO.  
**3** OF **9**





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DATE	DESCRIPTION

REVISIONS

1	REVISED PER PERMIT CONDITIONS
2	REVISED PER REGULATORY COMMENTS
3	REVISED PER USACE COMMENTS
4	REVISED PER CLIENT COMMENTS
5	REVISED PER CLIENT COMMENTS
6	REVISED PER CLIENT COMMENTS

GEOFFREY M. GOLL  
Professional Engineer  
MA Lic. No. 48283

DATE

**PRINCETON HYDRO, LLC** **PH**

SCIENTISTS AND ENGINEERS  
1108 OLD YORK ROAD, SUITE 1  
P.O. BOX 720  
RINGOES, NEW JERSEY 08551  
PHONE. 908.237.5660  
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WWW.PRINCETONHYDRO.COM

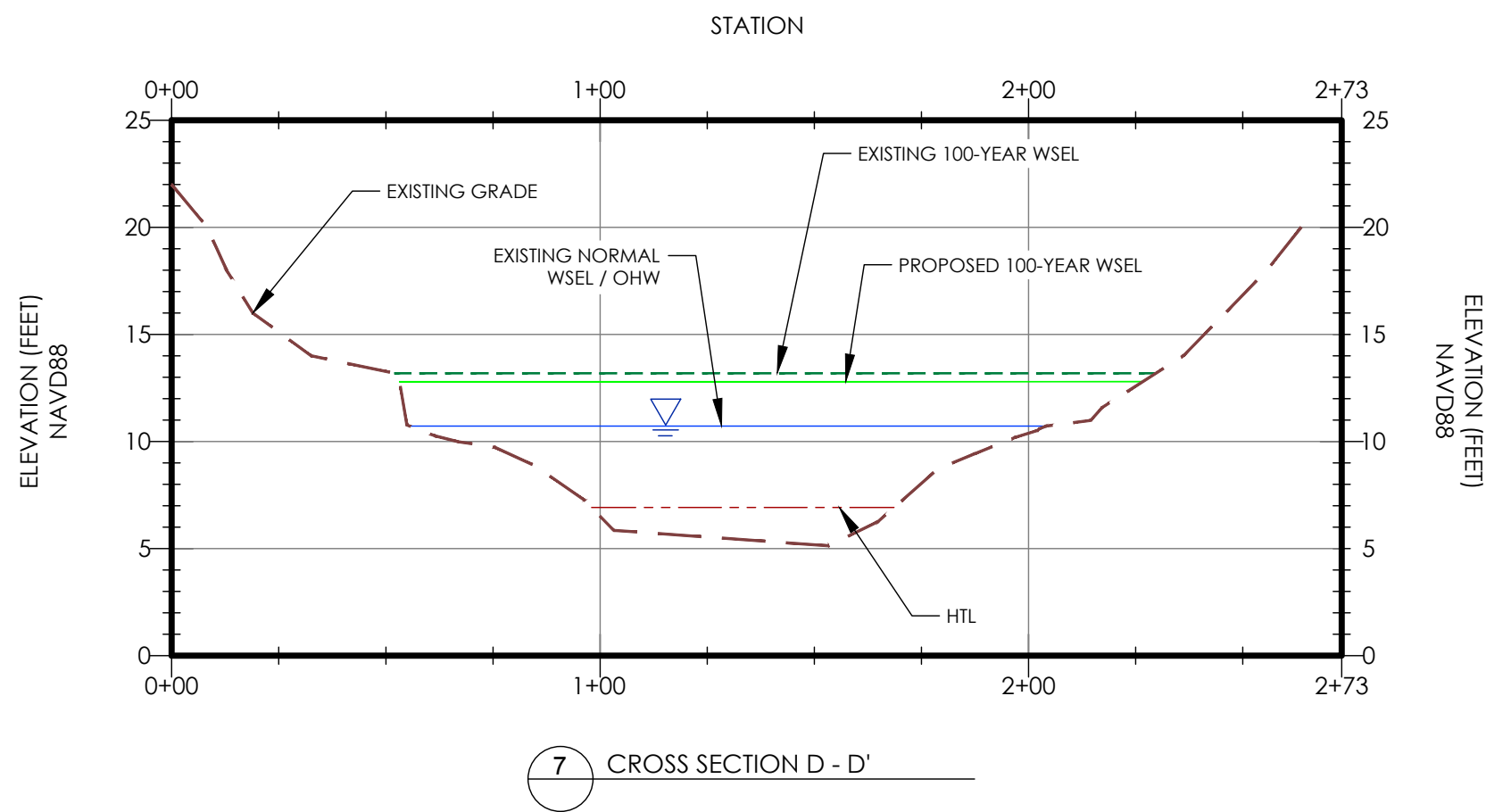
PROJECT NAME/LOCATION:  
HUNTERS POND DAM REMOVAL  
A.K.A. MORDECAI LINCOLN ROAD DAM  
TOWN OF SCITUATE  
PLYMOUTH COUNTY, MASSACHUSETTS

DRAWING NAME:  
PROFILE & CROSS SECTIONS

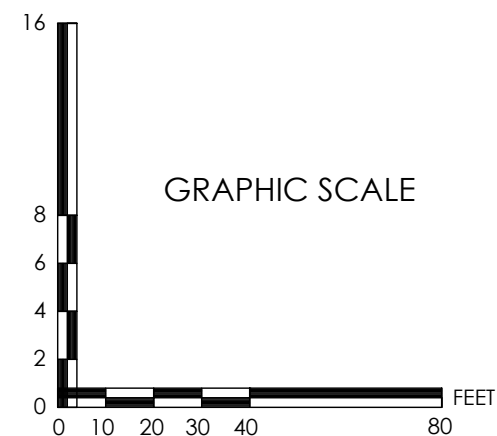
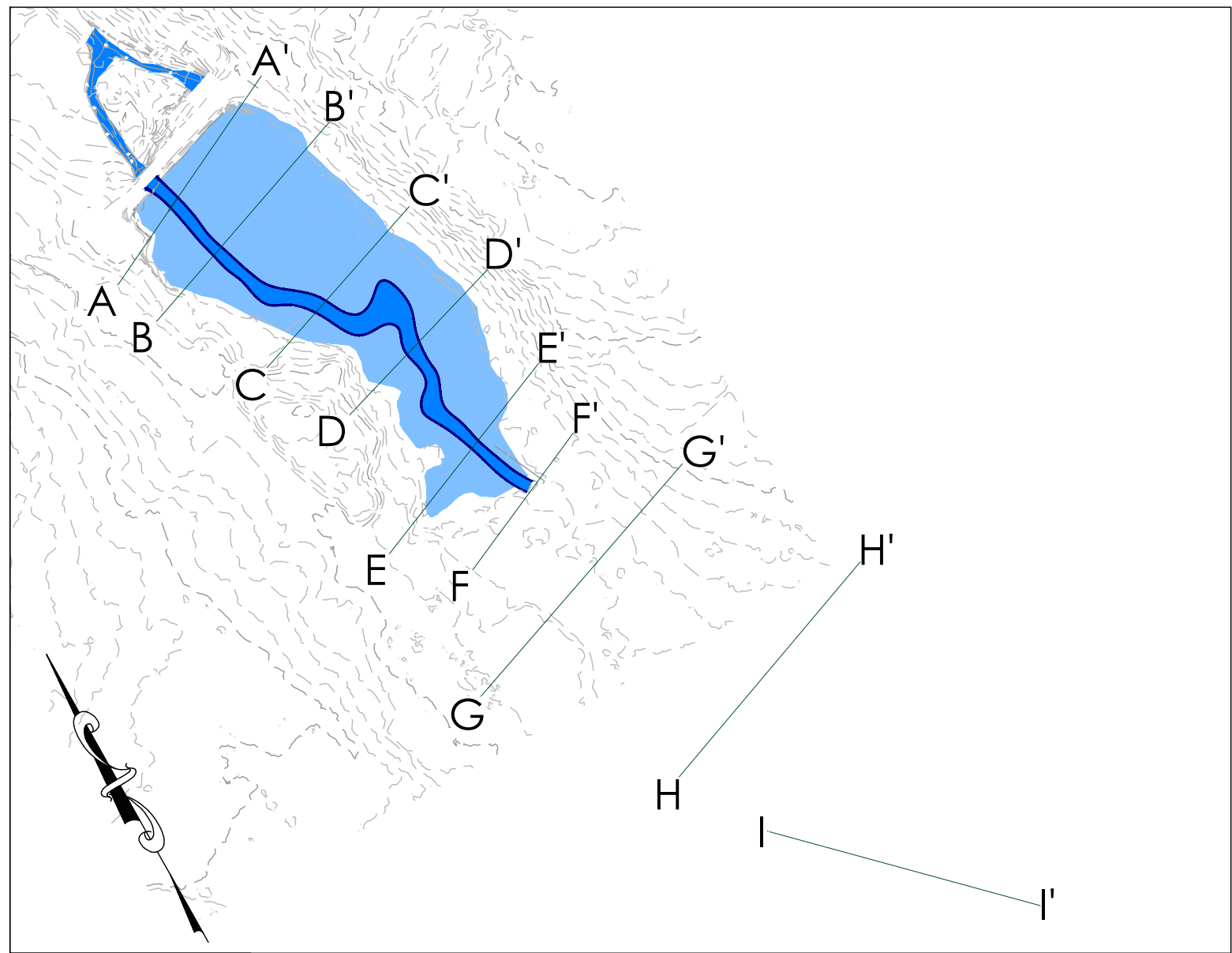
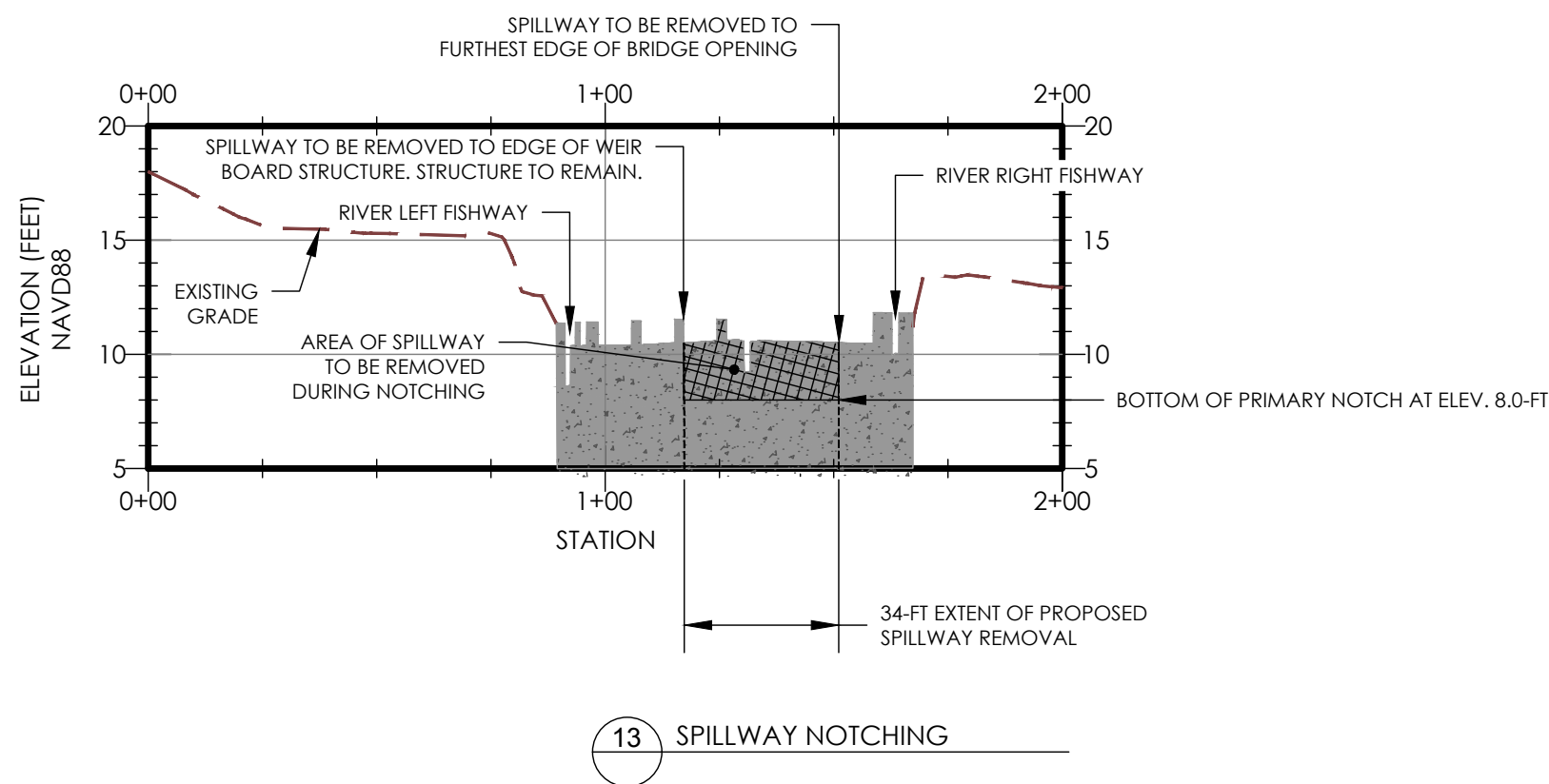
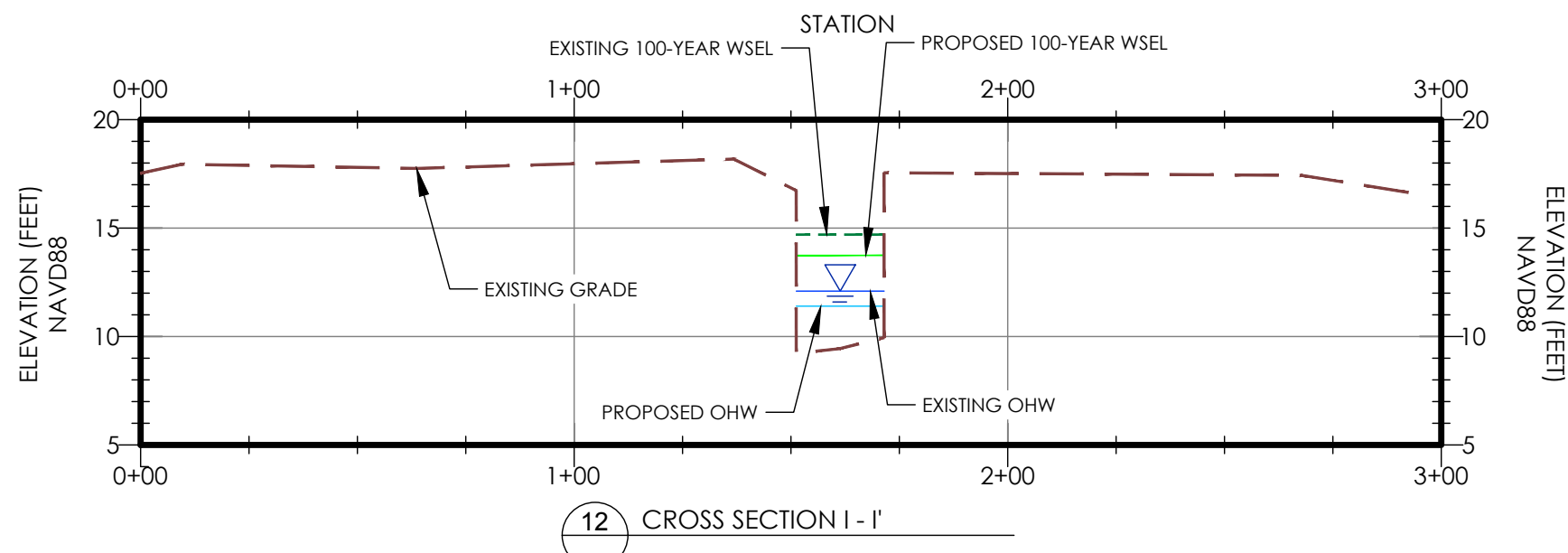
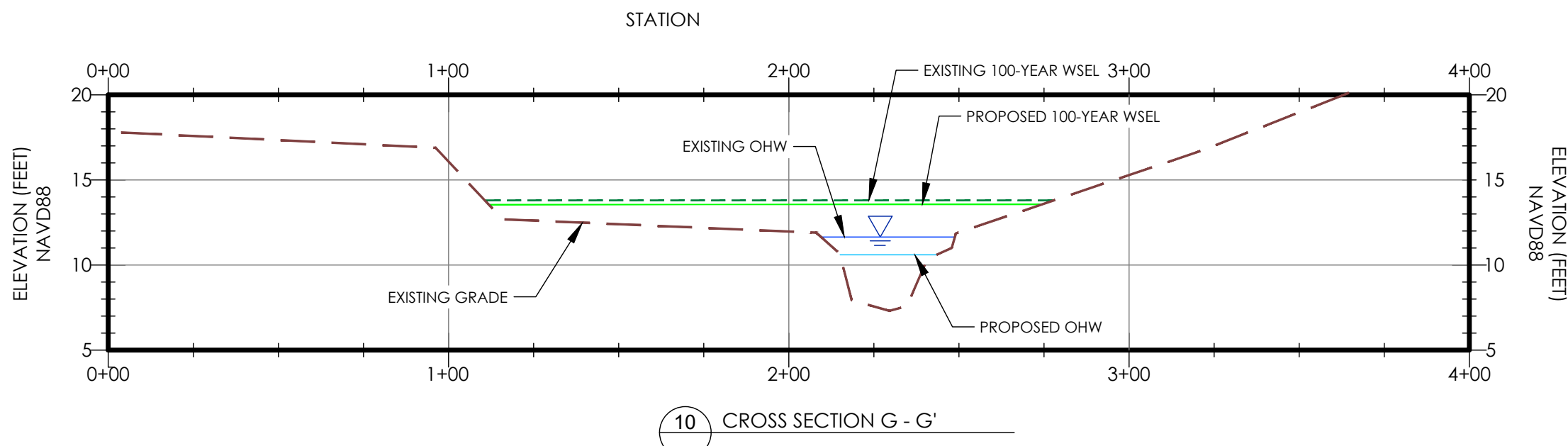
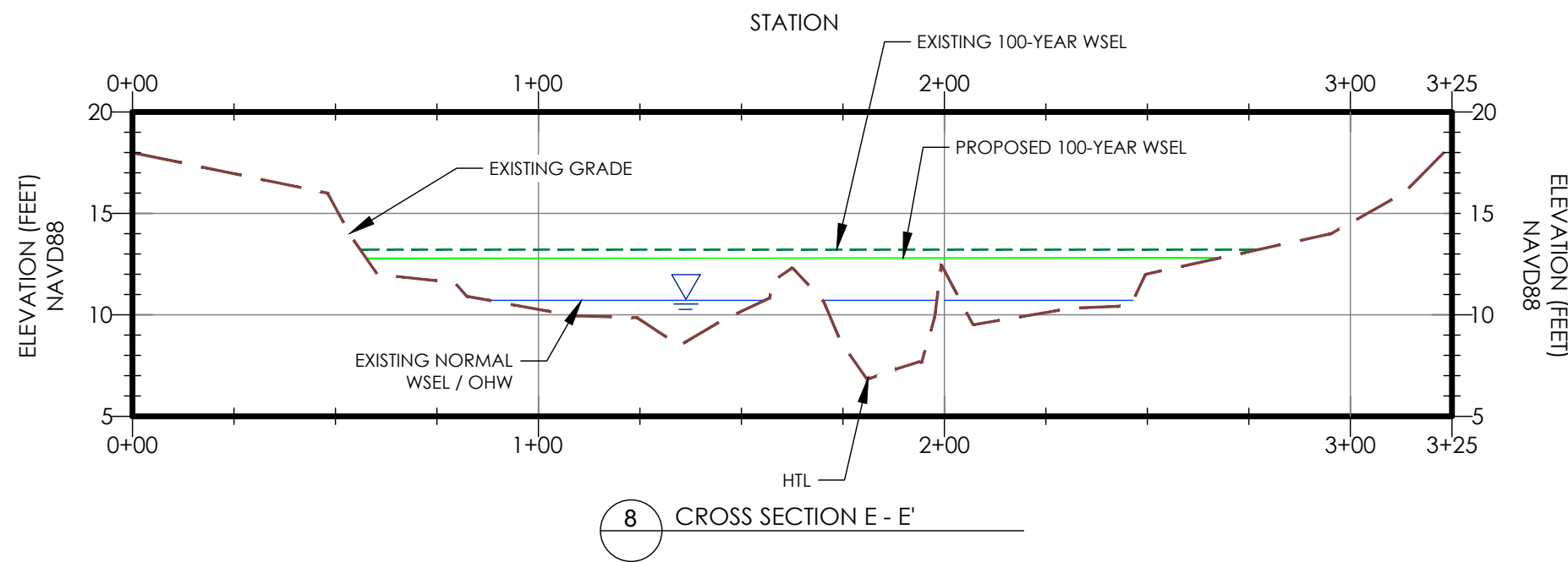
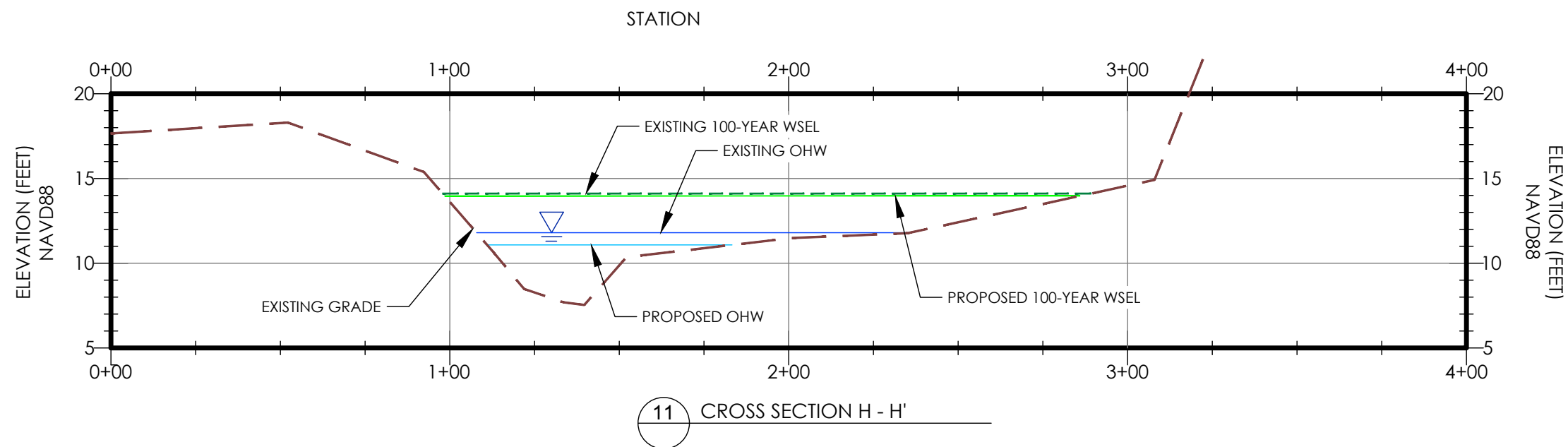
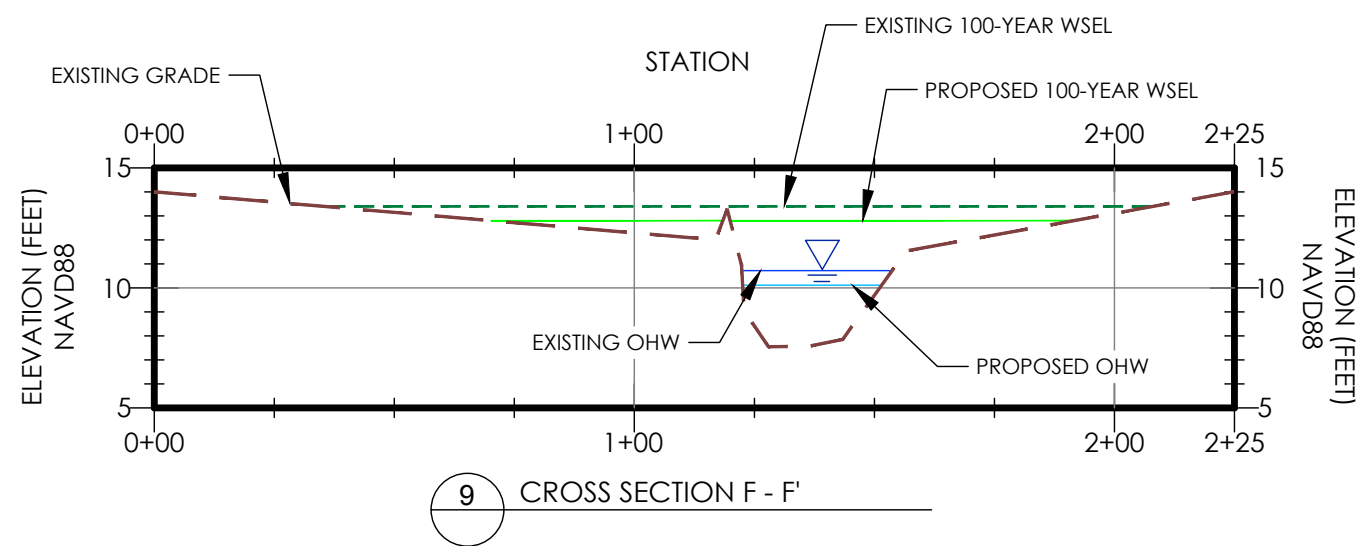
DATE:	12/1/2016
PROJECT NO.:	1142.011
SCALE:	AS SHOWN
DRAWN BY:	AEM / DTK / STB
CHECKED BY:	LASW / PMW

SHEET NO.  
4 OF 9





NO WORK PROPOSED AT THIS CROSS-SECTION OR UPSTREAM. MINIMAL CHANNEL CHANGES ANTICIPATED.



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FAX: 908.237.5666  
WWW.PRINCETONHYDRO.COM

#### PROJECT NAME/LOCATION:

HUNTERS POND DAM REMOVAL  
A.K.A. MORDECAI LINCOLN ROAD DAM  
TOWN OF SCITUATE  
PLYMOUTH COUNTY, MASSACHUSETTS

#### DRAWING NAME:

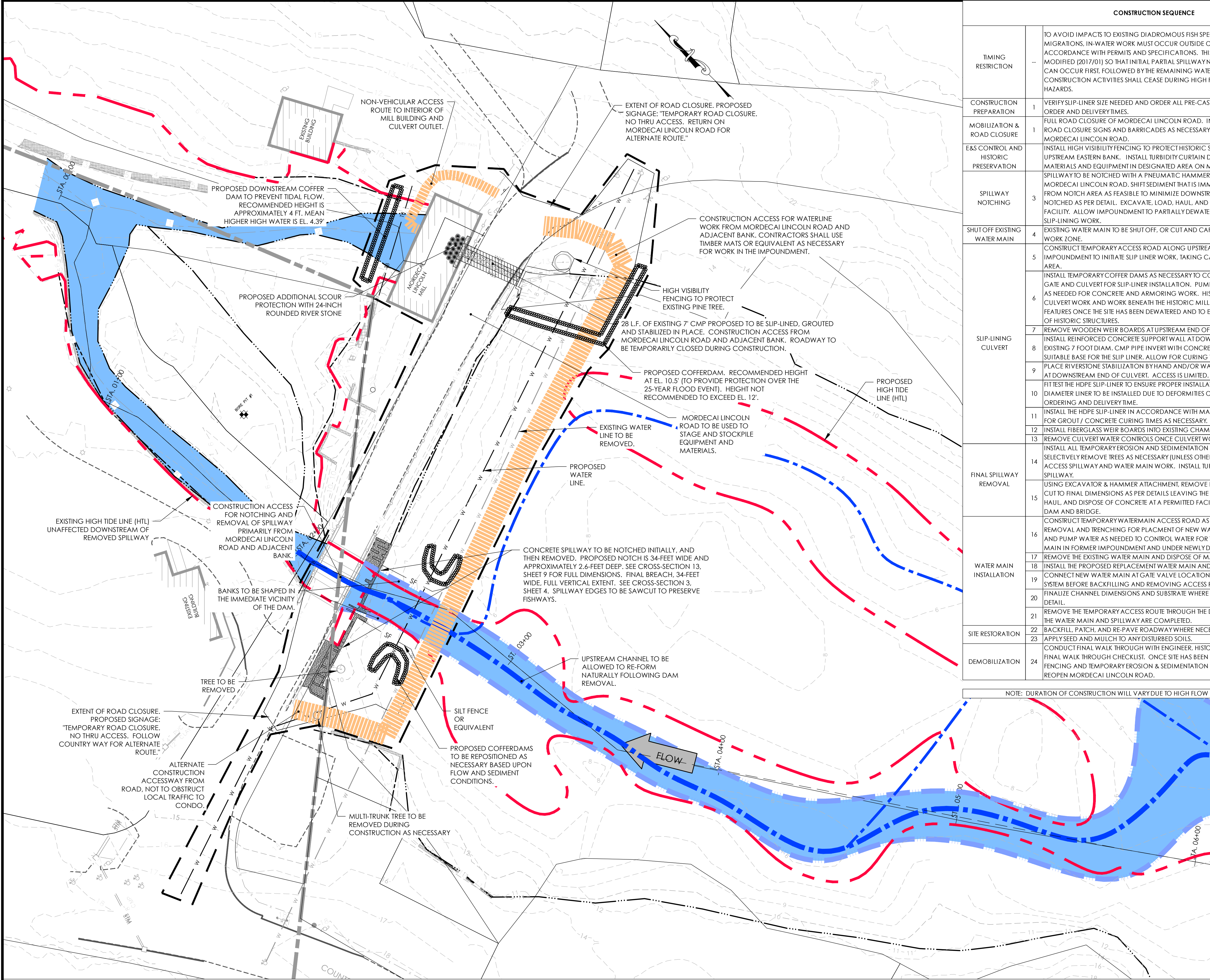
PROFILE & CROSS SECTIONS

DATE:	12/1/2016
PROJECT NO.:	1142.011
SCALE:	AS SHOWN
DRAWN BY:	AEM / DTK / STB
CHECKED BY:	LASW / PMW

#### SHEET NO.

5 OF 9



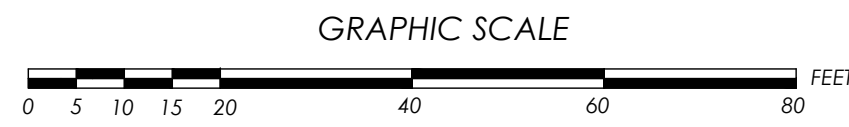


CONSTRUCTION SEQUENCE		DURATION WORK DAYS
TIMING RESTRICTION	TO AVOID IMPACTS TO EXISTING DIADROMOUS FISH SPECIES DURING SPAWNING AND JUVENILE MIGRATIONS, IN-WATER WORK MUST OCCUR OUTSIDE OF TIME-OF-YEAR RESTRICTIONS IN ACCORDANCE WITH PERMITS AND SPECIFICATIONS. THIS CONSTRUCTION SEQUENCE HAS BEEN MODIFIED (2017/01) SO THAT INITIAL PARTIAL SPILLWAY NOTCHING AND CULVERT SLIP-LINING WORK CAN OCCUR FIRST, FOLLOWED BY THE REMAINING WATERLINE AND DAM WORK. IN-STREAM CONSTRUCTION ACTIVITIES SHALL CEASE DURING HIGH FLOW CONDITIONS TO MINIMIZE RIVER HAZARDS.	—
CONSTRUCTION PREPARATION	1. VERIFY SLIP-LINER SIZE NEEDED AND ORDER ALL PRE-CAST NECESSARY SUPPLIES. ACCOUNT FOR ORDER AND DELIVERY TIMES.	14
MOBILIZATION & ROAD CLOSURE	1. FULL ROAD CLOSURE OF MORDECAI LINCOLN ROAD. INSTALL CONSTRUCTION WARNING SIGN, ROAD CLOSURE SIGNS AND BARRICADES AS NECESSARY FOR THE TEMPORARY CLOSURE OF MORDECAI LINCOLN ROAD.	
E&S CONTROL AND HISTORIC PRESERVATION	INSTALL HIGH VISIBILITY FENCING TO PROTECT HISTORIC STRUCTURES AND LARGE PINE TREE ON UPSTREAM EASTERN BANK. INSTALL TURBIDITY CURTAIN DOWNSTREAM OF SPILLWAY. STAGE MATERIALS AND EQUIPMENT IN DESIGNATED AREA ON MORDECAI LINCOLN ROAD.	
SPILLWAY NOTCHING	3. SPILLWAY TO BE NOTCHED WITH A PNEUMATIC HAMMER ATTACHMENT TO EXCAVATOR FROM MORDECAI LINCOLN ROAD. SHIFT SEDIMENT THAT IS IMMEDIATELY UPSTREAM OF SEDIMENT AWAY FROM NOTCH AREA AS FEASIBLE TO MINIMIZE DOWNSTREAM TRANSPORT. SPILLWAY TO BE PARTIALLY NOTCHED AS PER DETAIL. EXCAVATE, LOAD, HAUL, AND DISPOSE OF CONCRETE AT A PERMITTED FACILITY. ALLOW IMPOUNDMENT TO PARTIALLY DEWATER AS MUCH AS FEASIBLE PRIOR TO INITIATING SLIP-LINING WORK.	
SHUT OFF EXISTING WATER MAIN	4. EXISTING WATER MAIN TO BE SHUT OFF, OR CUT AND CAPPED IF NECESSARY, ON BOTH ENDS OF THE WORK ZONE.	14
SLIP-LINING CULVERT	5. CONSTRUCT TEMPORARY ACCESS ROAD ALONG UPSTREAM EASTERN BANK OF FORMER IMPOUNDMENT TO INITIATE SLIP LINER WORK, TAKING CARE NOT TO IMPACT THE LARGE PINE IN THIS AREA.	
	6. INSTALL TEMPORARY COFFER DAMS AS NECESSARY TO COMPLETELY DEWATER WORK AREA AROUND GATE AND CULVERT FOR SLIP-LINER INSTALLATION. PUMP TO DEWATER POOL UNDER MIL BUILDING AS NEEDED FOR CONCRETE AND ARMORING WORK. HISTORIC OVERSIGHT NEEDED THROUGHOUT CULVERT WORK AND WORK BENEATH THE HISTORIC MILL BUILDING TO IDENTIFY ANY ADDITIONAL FEATURES ONCE THE SITE HAS BEEN DEWATERED AND TO ENSURE PROTECTION AND DOCUMENTATION OF HISTORIC STRUCTURES.	
	7. REMOVE WOODEN WEIR BOARDS AT UPSTREAM END OF CULVERT.	
FINAL SPILLWAY REMOVAL	8. INSTALL REINFORCED CONCRETE SUPPORT WALL AT DOWNSTREAM END OF CULVERT AND FILL EXISTING 7 FOOT DIAM. CMP PIPE INVERT WITH CONCRETE, AS NEEDED TO FILL VOIDS AND CREATE A SUITABLE BASE FOR THE SLIP LINER. ALLOW FOR CURING TIME AS NECESSARY.	1
	9. PLACE RIVERSTONE STABILIZATION BY HAND AND/OR WALK-BEHIND MACHINERY WITHIN SCOUR HOLE AT DOWNSTREAM END OF CULVERT. ACCESS IS LIMITED.	
	10. FIT TEST THE HDPE SLIP-LINER TO ENSURE PROPER INSTALLATION CLEARANCES. DETERMINE THE ACTUAL DIAMETER LINER TO BE INSTALLED DUE TO DEFORMITIES OF THE EXISTING PIPE. ACCOUNT FOR ORDERING AND DELIVERY TIME.	
	11. INSTALL THE HDPE SLIP-LINER IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS. ALLOW FOR GROUT / CONCRETE CURING TIMES AS NECESSARY.	
WATER MAIN INSTALLATION	12. INSTALL FIBERGLASS WEIR BOARDS INTO EXISTING CHAMBERS.	2
	13. REMOVE CULVERT WATER CONTROLS ONCE CULVERT WORK HAS CURED.	
	14. SELECTIVELY REMOVE TREES AS NECESSARY (UNLESS OTHERWISE NOTED ON THE PLANS TO PROTECT) TO ACCESS SPILLWAY AND WATER MAIN WORK. INSTALL TURBIDITY CURTAIN ON DOWNSTREAM SIDE OF SPILLWAY.	
	15. USING EXCAVATOR & HAMMER ATTACHMENT, REMOVE REMAINING PORTION OF SPILLWAY. SAW CUT TO FINAL DIMENSIONS AS PER DETAILS LEAVING THE FISHWAYS IN PLACE. EXCAVATE, LOAD, HAUL, AND DISPOSE OF CONCRETE AT A PERMITTED FACILITY. GRADE CHANNEL BANKS IN VICINITY OF DAM AND BRIDGE.	
SITE RESTORATION	16. CONSTRUCT TEMPORARY WATERMAIN ACCESS ROAD AS NEEDED FOR EXISTING WATER MAIN PIPE REMOVAL AND TRENCHING FOR PLACEMENT OF NEW WATER MAIN. USE TEMPORARY COFFER DAMS AND PUMP WATER AS NEEDED TO CONTROL WATER FOR TRENCHING AND INSTALLATION OF WATER MAIN IN FORMER IMPOUNDMENT AND UNDER NEWLY DEVELOPED UPSTREAM CHANNEL.	1
	17. REMOVE THE EXISTING WATER MAIN AND DISPOSE OF MATERIAL OFF SITE.	
	18. INSTALL THE PROPOSED REPLACEMENT WATER MAIN AND SLEEVES AS PER DETAILS.	
	19. CONNECT NEW WATER MAIN AT GATE VALVE LOCATIONS AND TURN WATER BACK ON TO CHECK SYSTEM BEFORE BACKFILLING AND REMOVING ACCESS ROUTE.	
DEMOBILIZATION	20. FINALIZE CHANNEL DIMENSIONS AND SUBSTRATE WHERE UTILITY CROSSES UNDER STREAM AS PER DETAIL.	1
	21. REMOVE THE TEMPORARY ACCESS ROUTE THROUGH THE DEWATERED IMPOUNDMENT AS WORK ON THE WATER MAIN AND SPILLWAY ARE COMPLETED.	
	22. BACKFILL, PATCH, AND RE-PAVE ROADWAY WHERE NECESSARY.	
	23. APPLY SEED AND MULCH TO ANY DISTURBED SOILS.	
CONDUCT FINAL WALK THROUGH WITH ENGINEER, HISTORIAN, AND CLIENT. COMPLETE ALL ITEMS ON FINAL WALK THROUGH CHECKLIST. ONCE SITE HAS BEEN STABILIZED, REMOVE HIGH VISIBILITY FENCING AND TEMPORARY EROSION & SEDIMENTATION CONTROLS. DEMOBILIZE EQUIPMENT AND REOPEN MORDECAI LINCOLN ROAD.		2
TOTAL ESTIMATED WORK DAYS:		63

NOTE: DURATION OF CONSTRUCTION WILL VARY DUE TO HIGH FLOW EVENTS AND EXTENDED DE-WATERING PERIODS.

LEGEND	
—	EXISTING EDGE OF PAVEMENT
- - -	EXISTING CURB
- - - 105 - - -	EXISTING CONTOUR - MAJOR
- - - 102 - - -	EXISTING CONTOUR - MINOR
— 102 —	PROPOSED CONTOUR
— ··· —	EDGE OF WATER
— [ ] —	ANTICIPATED EDGE OF WATER
— [ ] —	ANTICIPATED CENTERLINE OF WATER
- - -	WETLAND LIMIT
— [ ] —	EXISTING RETAINING WALL
— [ ] —	EXISTING GUIDE RAIL
— x —	EXISTING FENCE
— STM —	EXISTING STORM SEWER
— —	LIMIT OF DISTURBANCE
— —	HIGH VISIBILITY FENCE
— SF — SF	SILT FENCE
[ ]	CONSTRUCTION ACCESS
[ ]	STOCKPILE
W	PROPOSED WATERMAIN
[ ]	PROPOSED SLIP LINING
[ ]	PROPOSED CONCRETE REPAIR

1 PROPOSED CONDITIONS PLAN



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MASSACHUSETTS LAW REQUIRES  
3 WORKING DAYS NOTICE  
PRIOR TO CONSTRUCTION - STOP CALL  
REFERENCE 220 CMR 99.00  
AND GL C. 82 SEC. 40-40E  
DIG SAFE SYSTEM, INC.  
1-888-344-7233

PROJECT NOTES	
1.	BASE AERIAL TOPOGRAPHY AND SITE FEATURES OBTAINED FROM GM2 ASSOCIATES, INC., IN DIGITAL FORMAT, APRIL 2013. ADDITIONAL BATHYMETRIC SURVEY OF HUNTERS POND COMPLETED NOVEMBER 2014.
2.	SUPPLEMENTAL LIDAR TOPOGRAPHIC DATA OBTAINED FROM MASSGIS, MASS.GOV.
3.	DATA REFERENCED TO NORTH AMERICAN DATUM OF 1983 (NAD83), STATE PLANE MASSACHUSETTS, FEET. VERTICAL DATUM NORTH AMERICAN VERTICAL DATUM OF 1988, FEET.
4.	RESOURCE DELINEATION / IDENTIFICATION COMPLETED BY WETLAND STRATEGIES AND SOLUTIONS, LLC ON 04/09/2013 - 04/10/2013.
5.	FEMA 100-YR FLOODPLAIN AS SHOWN ON EFFECTIVE FIRM, OBTAINED FROM DFIRM DATA.
6.	MEAN HIGH WATER (MHW, ELEV. 3.98 FEET), MEAN LOW WATER (MLW, ELEV. -4.76 FEET), AND HIGH TIDE LINE (HTL, ELEV. 6.37 FEET) OBTAINED FROM NOAA TIDE STATION 8443970, BOSTON, MA AND CONVERTED, AS PER THE 2014 USACE REPORT ENTITLED "MUSQUASHCUT POND TIDAL FLUSHING STUDY, SCITUATE, MASSACHUSETTS", WHICH USED "NOS-SUPPLIED CONVERSIONS TO ACCOUNT FOR KNOWN COHASSET HARBOR CHARACTERISTICS (I.E. ALL TIDE STAGES AT BOSTON WERE MULTIPLIED BY 0.92 TO GET THE REDUCED RANGE EXPECTED AT COHASSET HARBOR AT WHITEHEAD)". HTL ASSUMED EQUIVALENT TO HIGHEST ASTRONOMICAL TIDE (HAT).
7.	WATER MAIN RELOCATION PLAN AND DETAILS PROVIDED BY WESTON & SAMPSON, IN COORDINATION WITH INPUT FROM THE TOWN OF SCITUATE.
3/1/2017	REVISED PER PERMIT CONDITIONS
1/5/2017	RESPONSE TO CLIENT COMMENTS
12/2/2016	REVISED PER USAGE COMMENTS
11/9/2016	REVISED PER CLIENT COMMENTS
7/1/2016	REVISED PER CLIENT COMMENTS
6/24/2016	REVISED PER CLIENT COMMENTS
DATE	DESCRIPTION

GEOFFREY M. GOLL  
Professional Engineer  
MA Lic. No. 48283  
DATE



SCIENTISTS AND ENGINEERS  
1108 OLD YORK ROAD, SUITE 1  
P.O. BOX 720  
RINGOES, NEW JERSEY 08551  
PHONE. 908.237.5660  
FAX. 908.237.5666  
WWW.PRINCETONHYDRO.COM

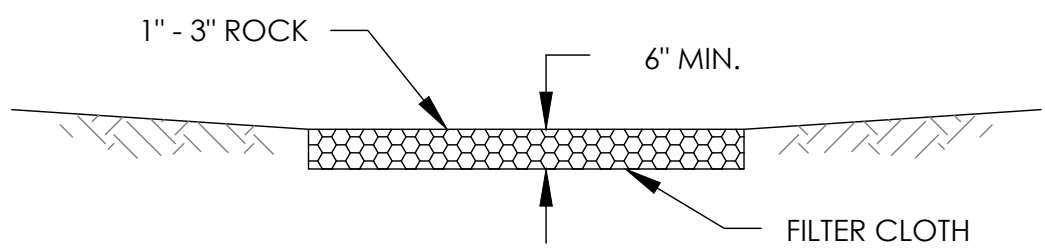
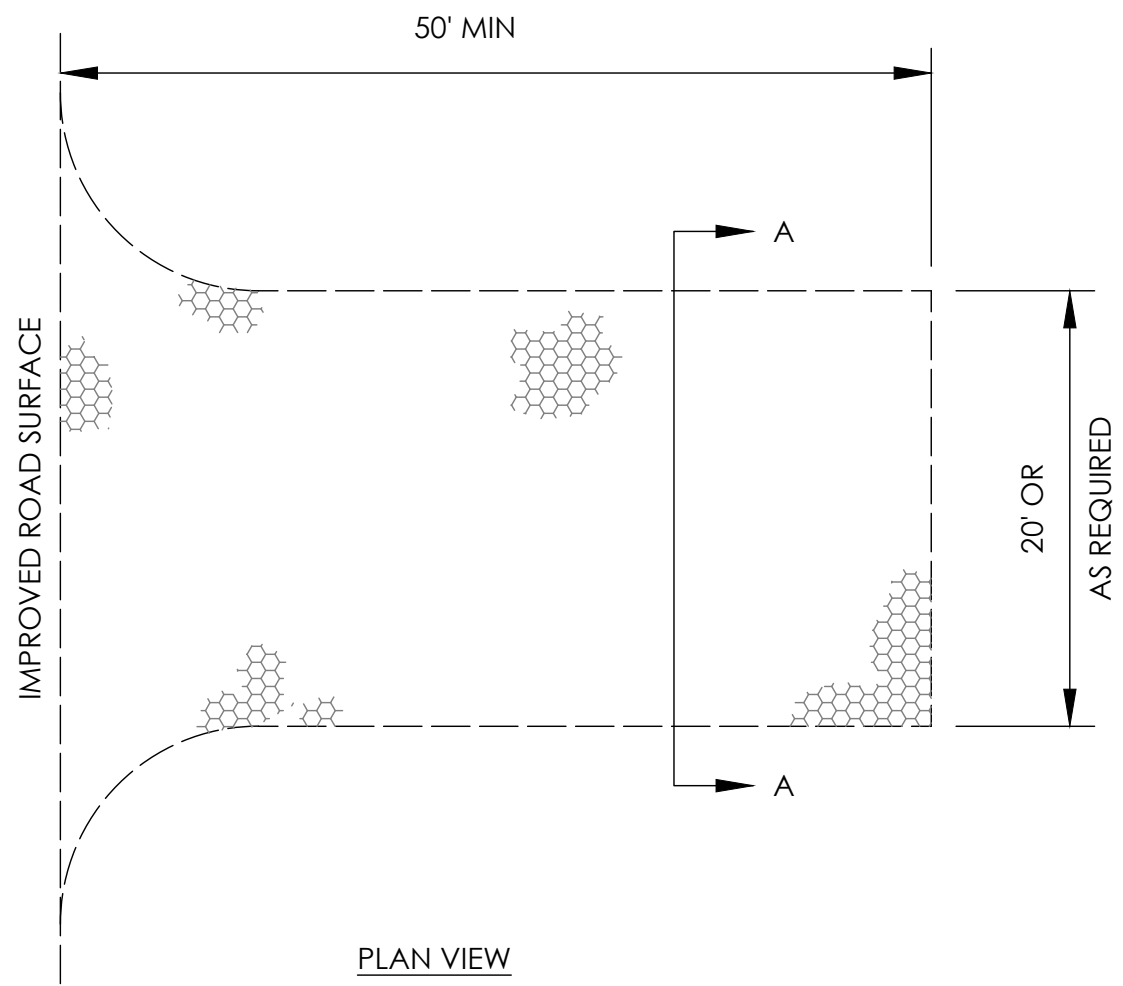
PROJECT NAME/LOCATION:  
HUNTERS POND DAM REMOVAL  
A.K.A. MORDECAI LINCOLN ROAD DAM  
TOWN OF SCITUATE  
PLYMOUTH COUNTY, MASSACHUSETTS

DRAWING NAME:  
CONSTRUCTION,  
EROSION & SEDIMENTATION  
CONTROL PLAN

DATE:	12/2/2016
PROJECT NO.:	1142.011
SCALE:	NOT TO SCALE
DRAWN BY:	PMW / DTK / STB
CHECKED BY:	LASW

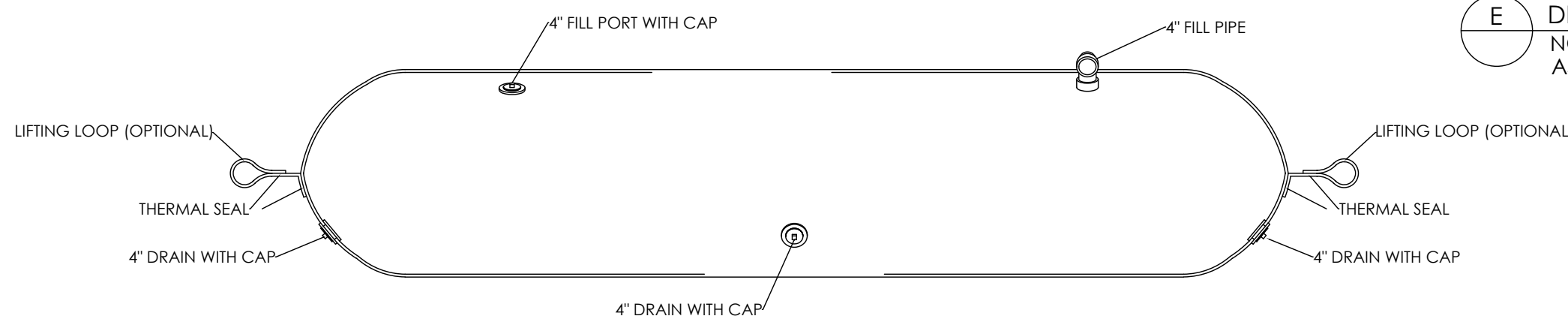
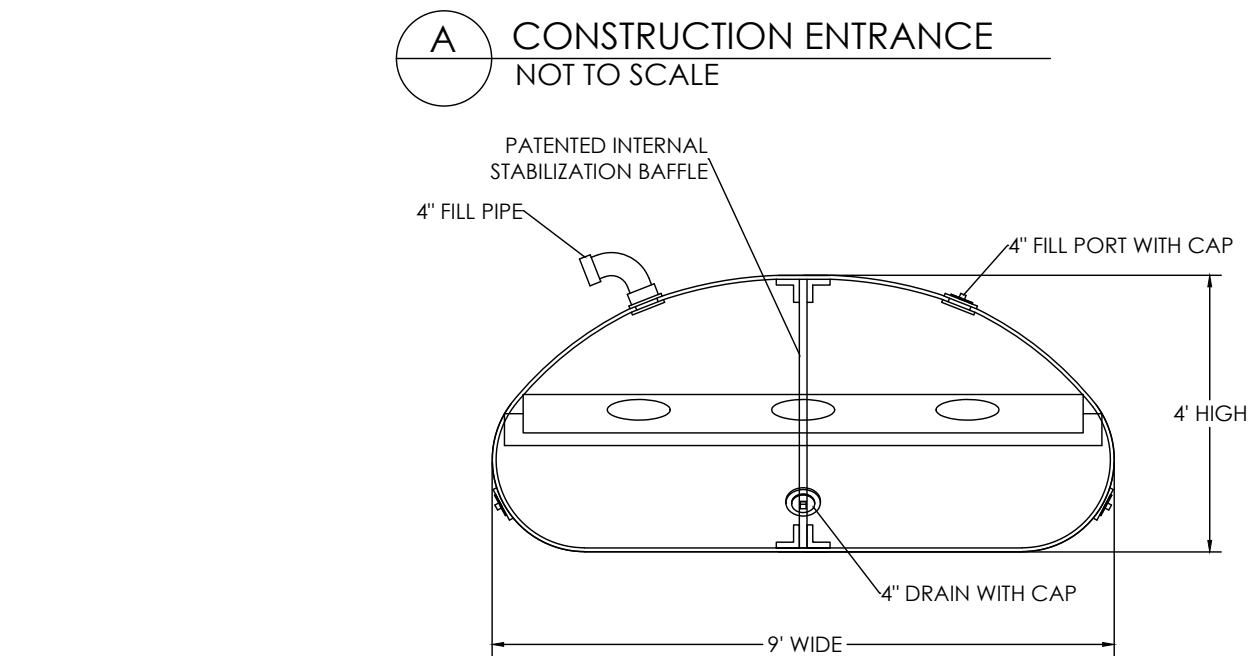
SHEET NO.  
6 OF 9



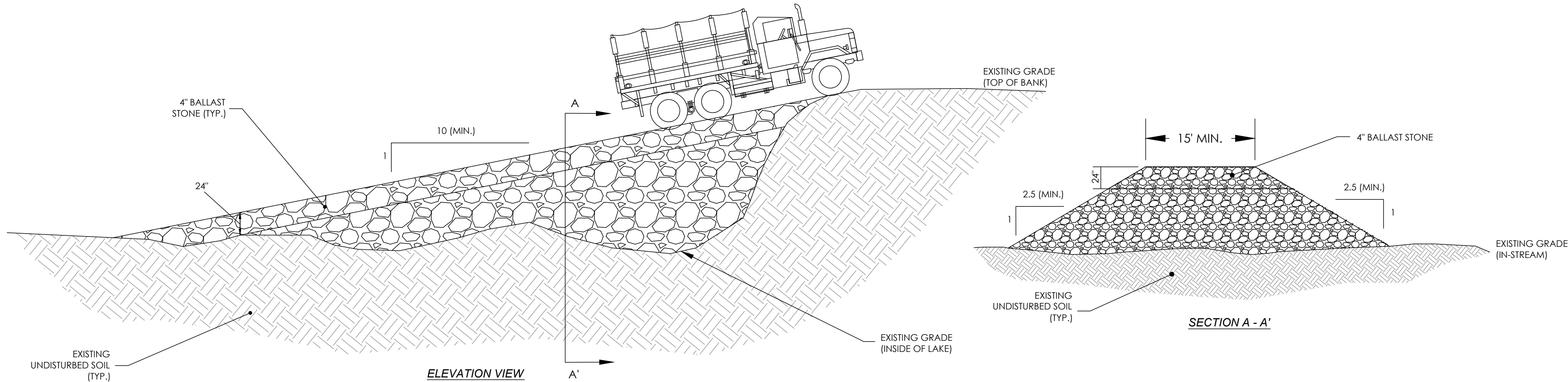


SEE MASSACHUSETTS EROSION AND SEDIMENT CONTROL GUIDANCE FOR ADDITIONAL INFORMATION.

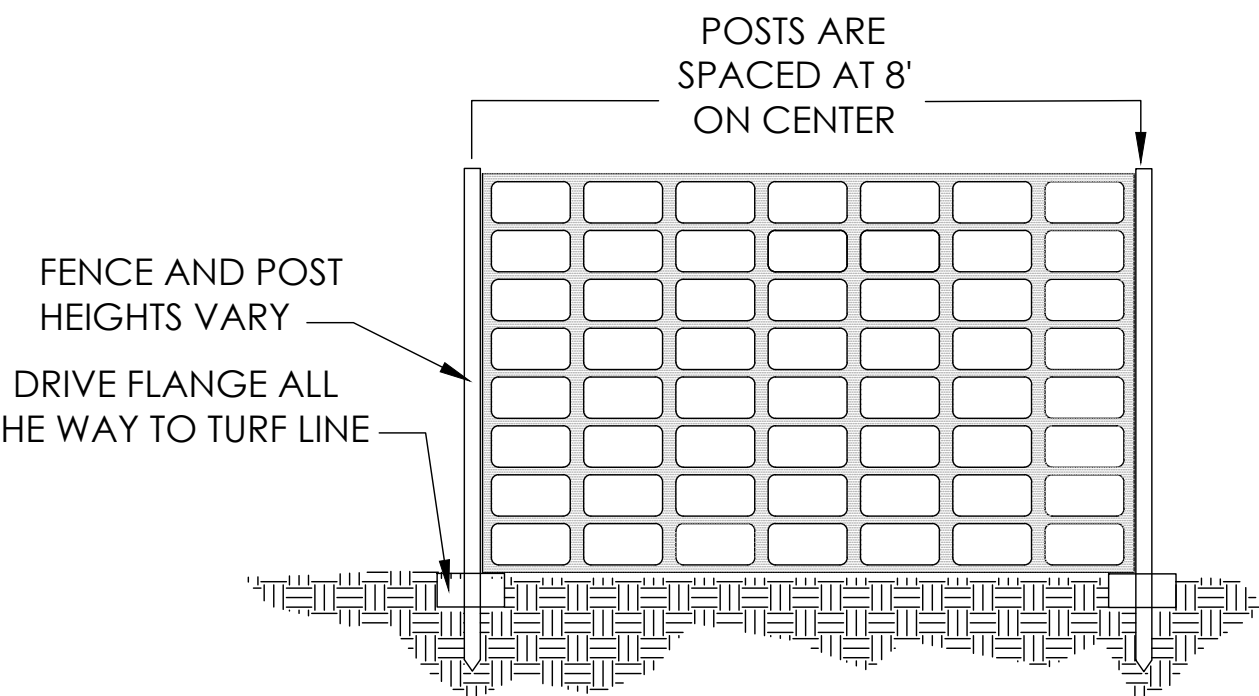
- ROCK CONSTRUCTION ENTRANCE THICKNESS SHALL BE CONSTANTLY MAINTAINED TO THE SPECIFIED DIMENSIONS BY ADDING ROCK. A STOCKPILE OF ROCK MATERIAL SHALL BE MAINTAINED ON THE SITE FOR THIS PURPOSE.
- AT THE END OF EACH CONSTRUCTION DAY, ALL SEDIMENT DEPOSITED ON PUBLIC ROADWAYS SHALL BE REMOVED AND RETURNED TO THE CONSTRUCTION SITE.
- RESHAPE PAD AS NEEDED FOR DRAINAGE AND RUNOFF CONTROL. IF THE SLOPE TOWARD THE ROAD EXCEEDS 2:1, CONSTRUCT A RIDGE, 6 TO 8 INCHES HIGH WITH 3:1 SIDE SLOPES, ACROSS THE FOUNDATION APPROXIMATELY 15 FT FROM THE ENTRANCE TO DIVERT RUNOFF AWAY FROM THE PUBLIC ROAD.
- ALL SURFACE WATER THAT IS FLOWING TO OR DIVERTED TOWARD THE CONSTRUCTION ENTRANCE SHALL BE PIPED BENEATH THE ENTRANCE. IF PIPING IS IMPRACTICAL, A BERM WITH 5:1 SLOPES THAT CAN BE CROSSED BY VEHICLES SHALL BE SUBSTITUTED FOR THE PIPE.
- REPAIR ANY BROKEN ROAD PAVEMENT IMMEDIATELY.
- ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER TEMPORARY PRACTICES ARE NO LONGER NEEDED. TRAPPED SEDIMENT SHALL BE REMOVED OR STABILIZED ON SITE. DISTURBED SOIL AREAS RESULTING FROM REMOVAL SHALL BE PERMANENTLY STABILIZED.
- THIS ITEM MAY NOT BE NEEDED SINCE THE MAJORITY OF THE WORK WILL BE COMPLETED FROM THE PAVED ROAD SURFACED. IF EQUIPMENT LEAVES THE PAVED SURFACE THIS WILL BE REQUIRED.



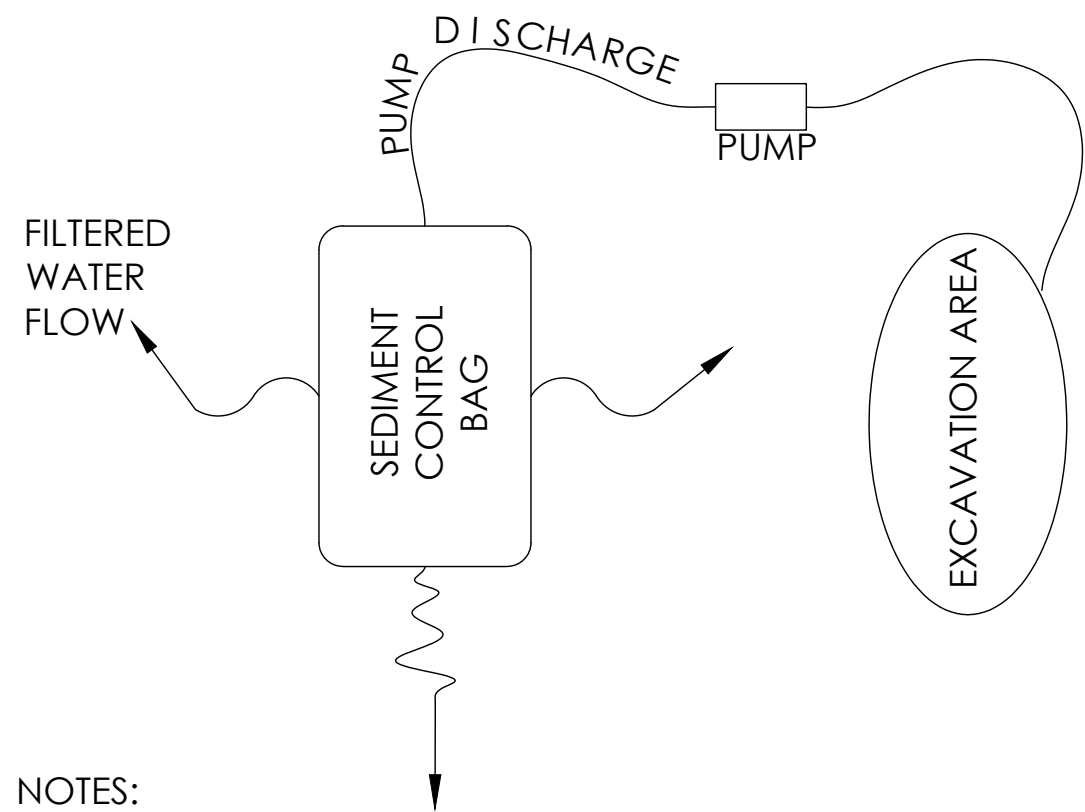
G COFFER DAM  
NOT TO SCALE  
AQUA DAM 4-FT BY 9-FT OR EQUIVALENT



B ROCK ACCESS RAMP  
NOT TO SCALE



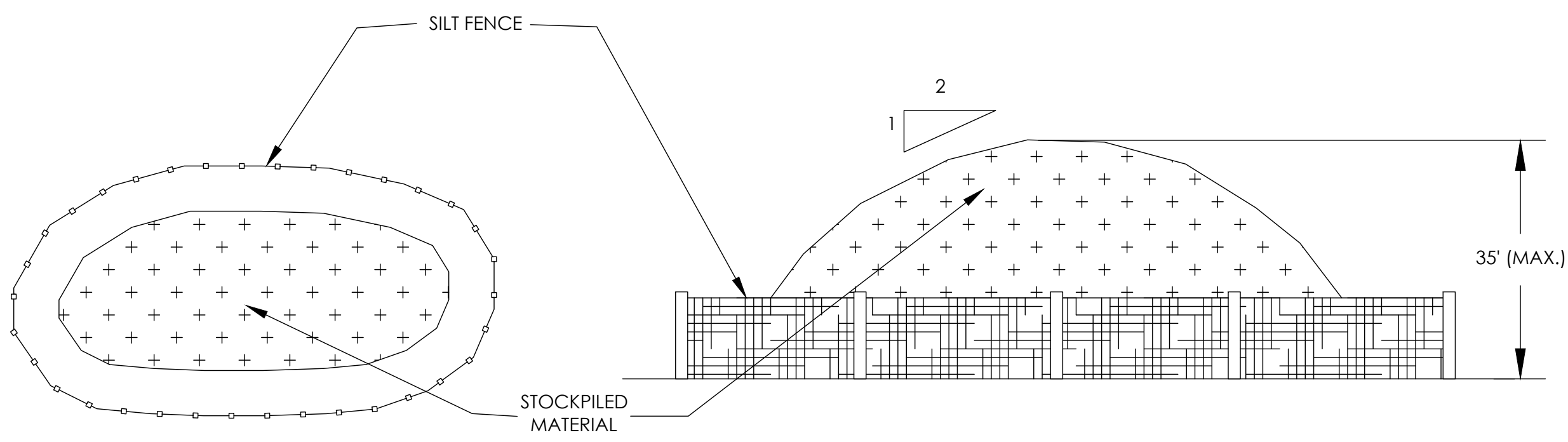
C HIGH VISIBILITY FENCING  
PERIMETER FENCING  
NOT TO SCALE



NOTES:

1. CONTAINERS SHALL BE LOCATED FOR EASE OF CLEAN-OUT AND DISPOSAL OF TRAPPED SEDIMENT AND TO MINIMIZE INTERFERENCE WITH CONSTRUCTION ACTIVITIES AND PEDESTRIAN TRAFFIC. BAGS SHALL NOT BE PLACED DIRECTLY INTO RECEIVING WATERS.
2. SEDIMENT CONTROL BAGS MUST BE LOCATED AWAY FROM RECEIVING WATERS AND DISPOSED OF ACCORDING TO MANUFACTURER'S INSTRUCTIONS.

E DEWATERING SILT BAG DETAIL  
NOT TO SCALE  
AS NECESSARY



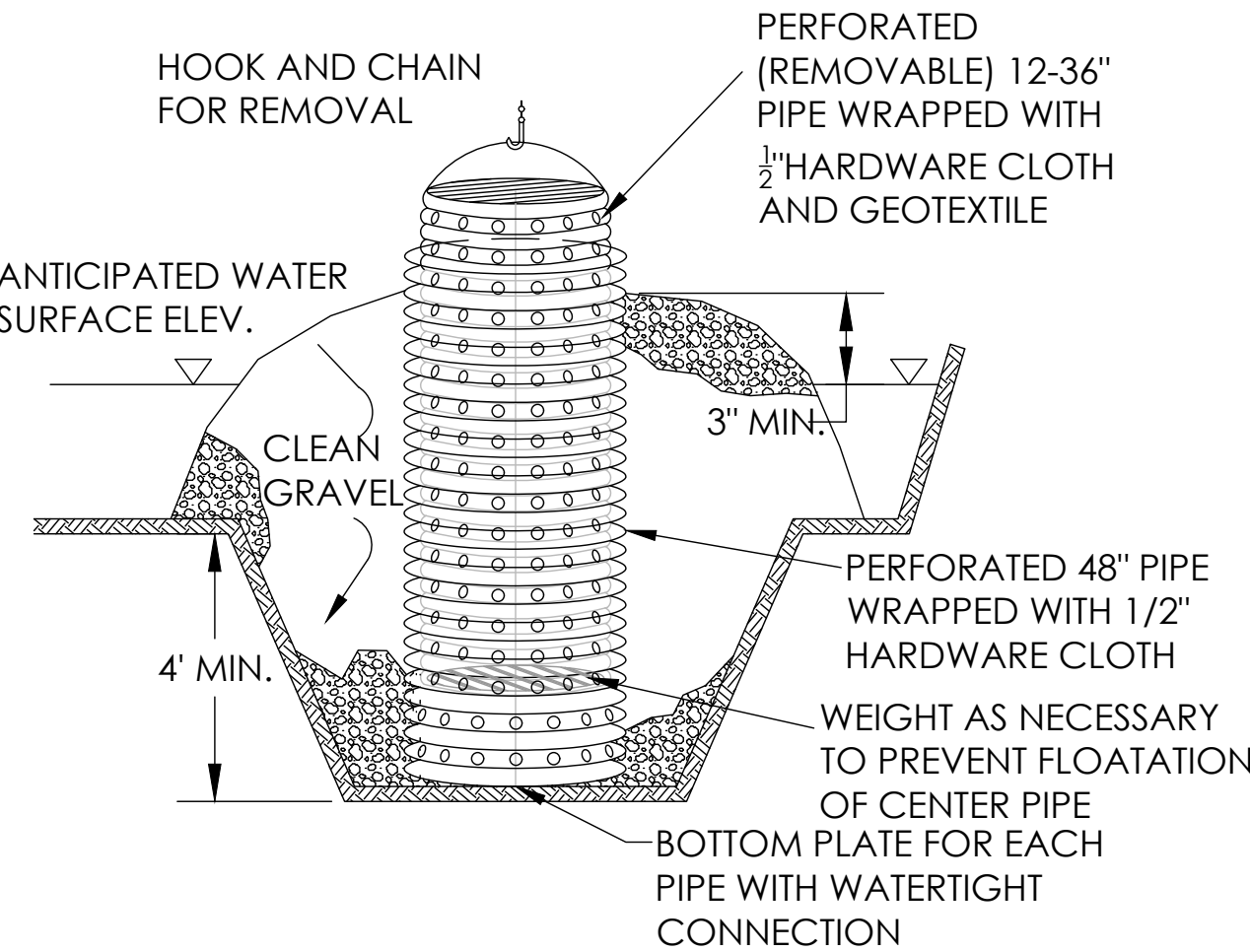
PLAN VIEW

PROFILE VIEW

NOTE:

SILT FENCE, OR APPROVED EQUIVALENT FOR USE ON PAVED SURFACES, SHALL BE PLACED AND MAINTAINED AROUND THE PERIMETER OF ALL STOCKPILES. IMMEDIATELY APPLY TEMPORARY SEEDING TO ALL SOIL STOCKPILES.

D STOCKPILE AREA DETAIL  
NOT TO SCALE



F DEWATERING PUMP DETAIL  
NOT TO SCALE  
AS NECESSARY

NOTES:

1. THE OUTER PIPE SHALL BE 48" DIAMETER OR SHALL, IN ANY CASE, BE AT LEAST 4" GREATER IN DIAMETER THAN THE CENTER PIPE. THE OUTER PIPE SHALL BE WRAPPED WITH 1/2" HARDWARE CLOTH TO PREVENT BACKFILL MATERIAL FROM ENTERING THE PERFORATIONS.

2. AFTER INSTALLING THE OUTER PIPE, BACKFILL AROUND OUTER PIPE WITH 2" AGGREGATE OR CLEAN GRAVEL

3. THE INSIDE STAND PIPE (CENTER PIPE) SHALL BE CONSTRUCTED BY PERFORATING A CORRUGATED OR PVC PIPE BETWEEN 12" AND 36" IN DIAMETER. THE PERFORATIONS SHALL BE 1/2" x 6" SLITS OR 1" DIAMETER HOLES 6" ON CENTER. THE CENTER PIPE SHALL BE WRAPPED WITH 1/2" HARDWARE CLOTH FIRST, THEN WRAPPED AGAIN WITH GEOTEXTILE CLASS E.

4. THE CENTER PIPE SHALL EXTEND 12" TO 18" ABOVE THE ANTICIPATED WATER SURFACE ELEVATION OR RISER CREST ELEVATION WHEN DEWATERING A BASIN.

5. UPON PRIOR APPROVAL FROM ENGINEER, ALTERNATIVE METHODS OF DEWATERING SUCH AS DEWATERING WELL POINTS SHALL BE USED.

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3 WORKING DAYS NOTICE  
PRIOR TO CONSTRUCTION - STOP CALL

REFERENCE 220 CMR 99.00

AND GL C. 82 SEC. 40-40E

DIG SAFE SYSTEM, INC.

1-888-344-7233

#### PROJECT NOTES

1. BASE AERIAL TOPOGRAPHY AND SITE FEATURES OBTAINED FROM GM2 ASSOCIATES, INC., IN DIGITAL FORMAT, APRIL 2013. ADDITIONAL BATHYMETRIC SURVEY OF HUNTERS POND COMPLETED NOVEMBER 2014.
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7. WATER MAIN RELOCATION PLAN AND DETAILS PROVIDED BY WESTON & SAMPSON, IN COORDINATION WITH INPUT FROM THE TOWN OF SCITUATE.

3/1/2017	REVISED PER PERMIT CONDITIONS
1/5/2017	REVISED PER REGULATORY COMMENTS
11/30/2016	REVISED PER USACE COMMENTS
11/9/2016	REVISED PER CLIENT COMMENTS
6/24/2016	REVISED PER CLIENT COMMENTS
DATE	DESCRIPTION

#### REVISIONS

GEOFFREY M. GOLL

Professional Engineer

MA Lic. No. 48283

DATE



SCIENTISTS AND ENGINEERS  
1108 OLD YORK ROAD, SUITE 1  
P.O. BOX 720  
RINGOES, NEW JERSEY 08551  
PHONE: 908.237.5660  
FAX: 908.237.5666  
WWW.PRINCETONHYDRO.COM

PROJECT NAME/LOCATION:

HUNTERS POND DAM REMOVAL  
A.K.A. MORDECAI LINCOLN ROAD DAM  
TOWN OF SCITUATE  
PLYMOUTH COUNTY, MASSACHUSETTS

DRAWING NAME:

#### CONSTRUCTION DETAILS

DATE:	11/30/2016
PROJECT NO.:	1142.011
SCALE:	NOT TO SCALE
DRAWN BY:	AEM / DTK / STB
CHECKED BY:	LASW / PMW

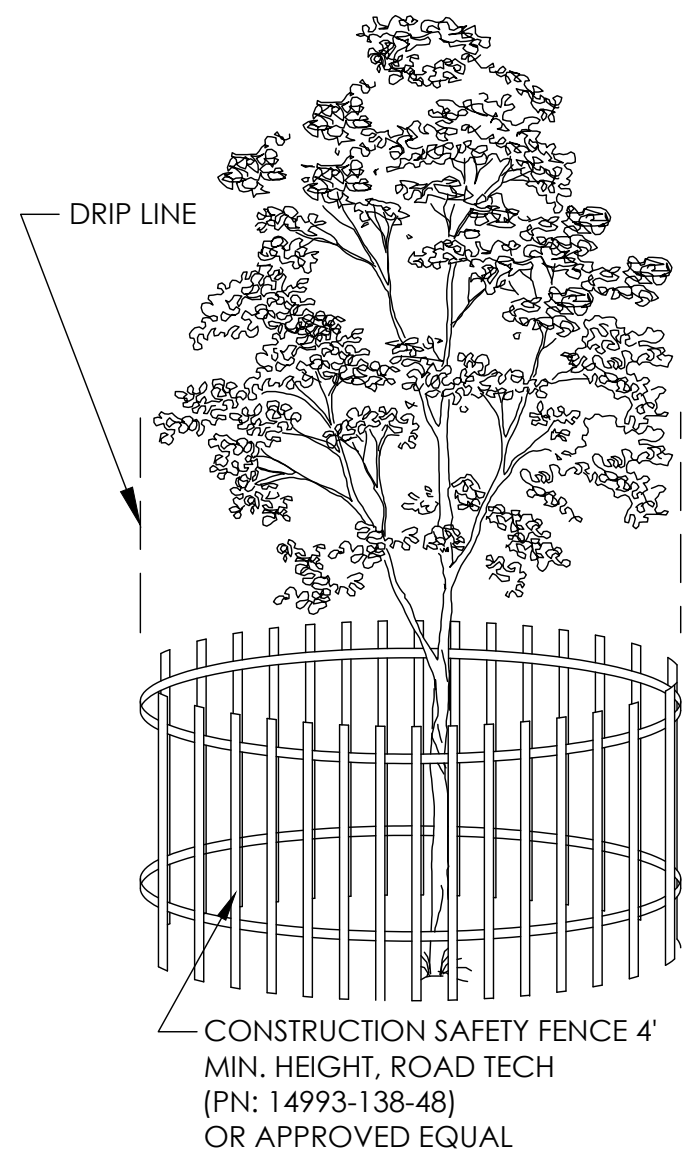
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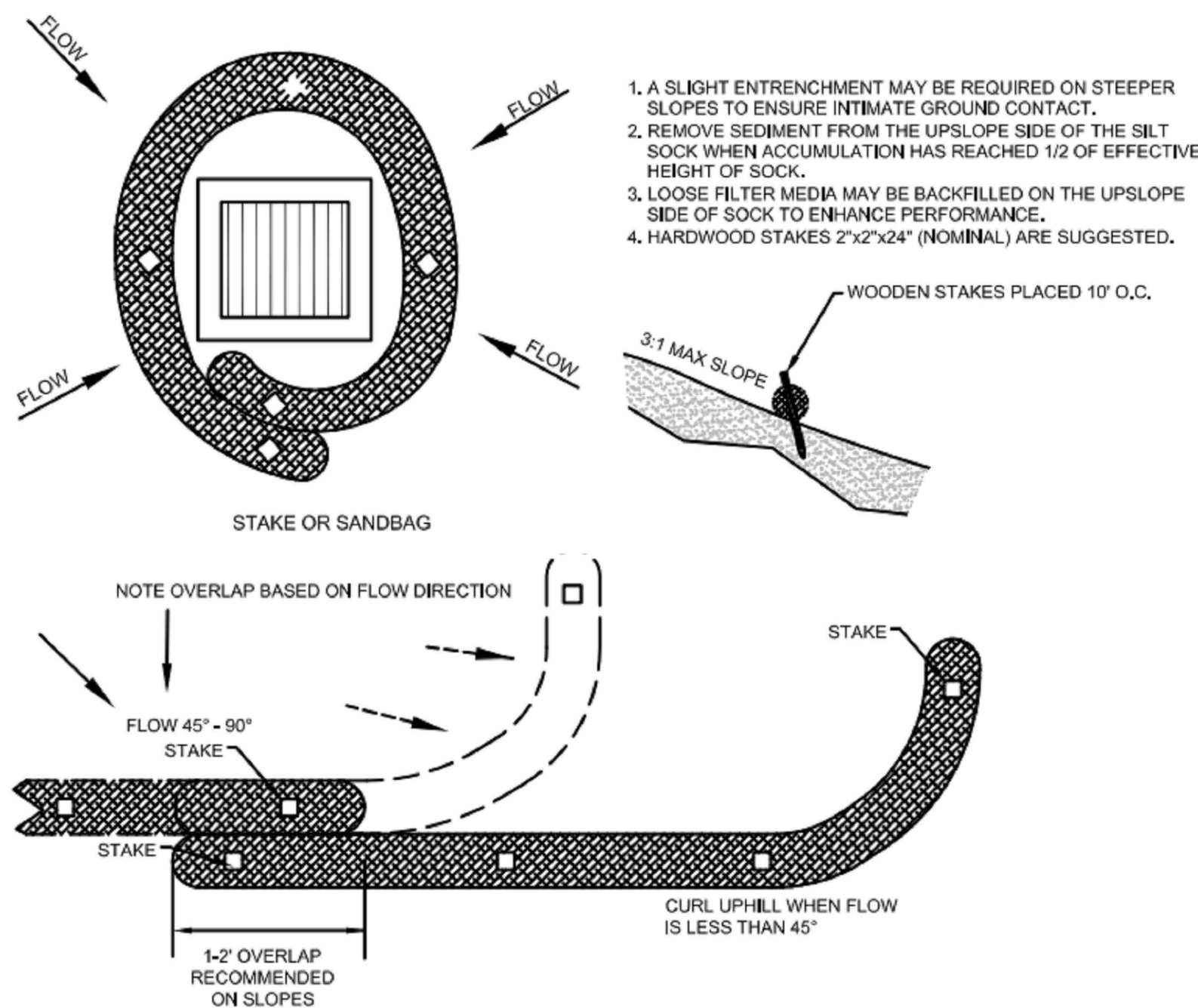
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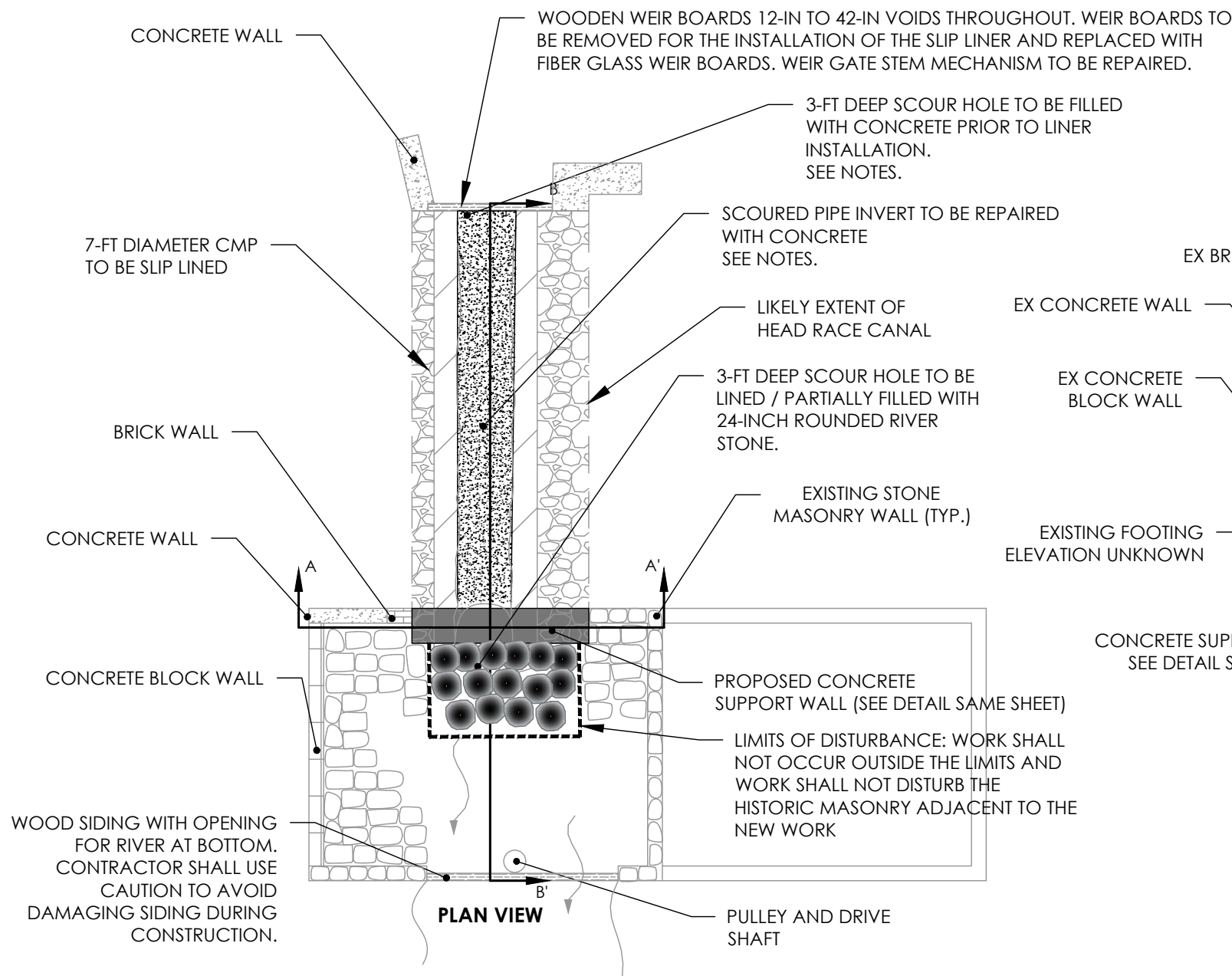


- NOTES:
- TO PREVENT GENERAL MECHANICAL DAMAGE TO TREES INSTALL TREE PROTECTION AS INDICATED IN DETAIL.
  - BOX TREES WITHIN 25 FEET OF BUILDINGS SITE TO PREVENT MECHANICAL INJURY. FENCING OR OTHER BARRIER SHALL BE INSTALLED AT THE DRIP LINE OF THE TREE BRANCHES OR BEYOND. TREE ROOT SYSTEMS COMMONLY EXTEND WELL BEYOND THE DRIP LINE.
  - BOARDS SHALL NOT BE NAILED TO TREES DURING CONSTRUCTION.
  - FEEDER ROOTS SHALL NOT NE CUT IN AN AREA INSIDE THE DRIP LINE OF THE TREE BRANCHES.
  - DAMAGED TRUNKS OR EXPOSED ROOTS SHALL HAVE DAMAGED BARK REMOVED IMMEDIATELY AND NO PAINT SHALL BE APPLIED. EXPOSED ROOTS SHALL BE COVERED WITH TOPSOIL IMMEDIATELY AFTER EXCAVATION IS COMPLETE. ROOTS SHALL BE PRUNED TO GIVE A CLEAN, SHARP SURFACE AMENABLE TO HEALING. ROOTS EXPOSED DURING HOT WEATHER SHALL BE IRRIGATED TO PREVENT PERMANENT TREE INJURY. CARE FOR SERIOUS INJURY SHALL BE PRESCRIBED BY A PROFESSIONAL FORESTER OR CERTIFIED TREE EXPERT.

**G** TREE PROTECTION DETAIL  
NOT TO SCALE



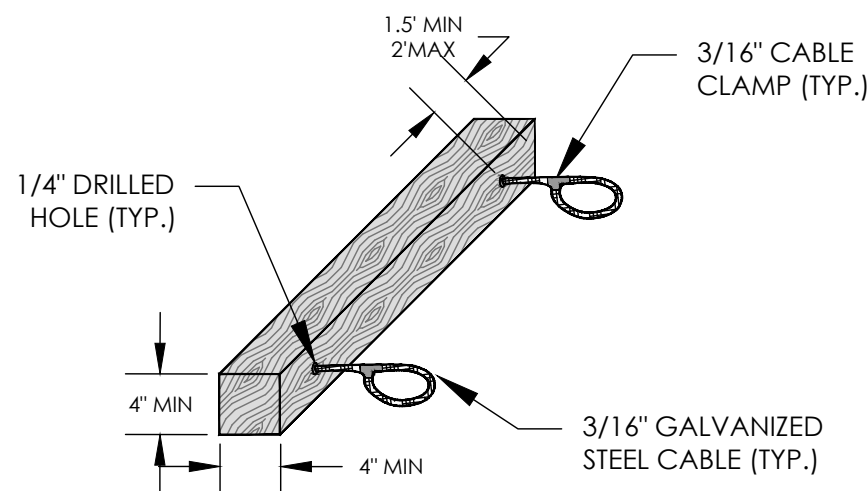
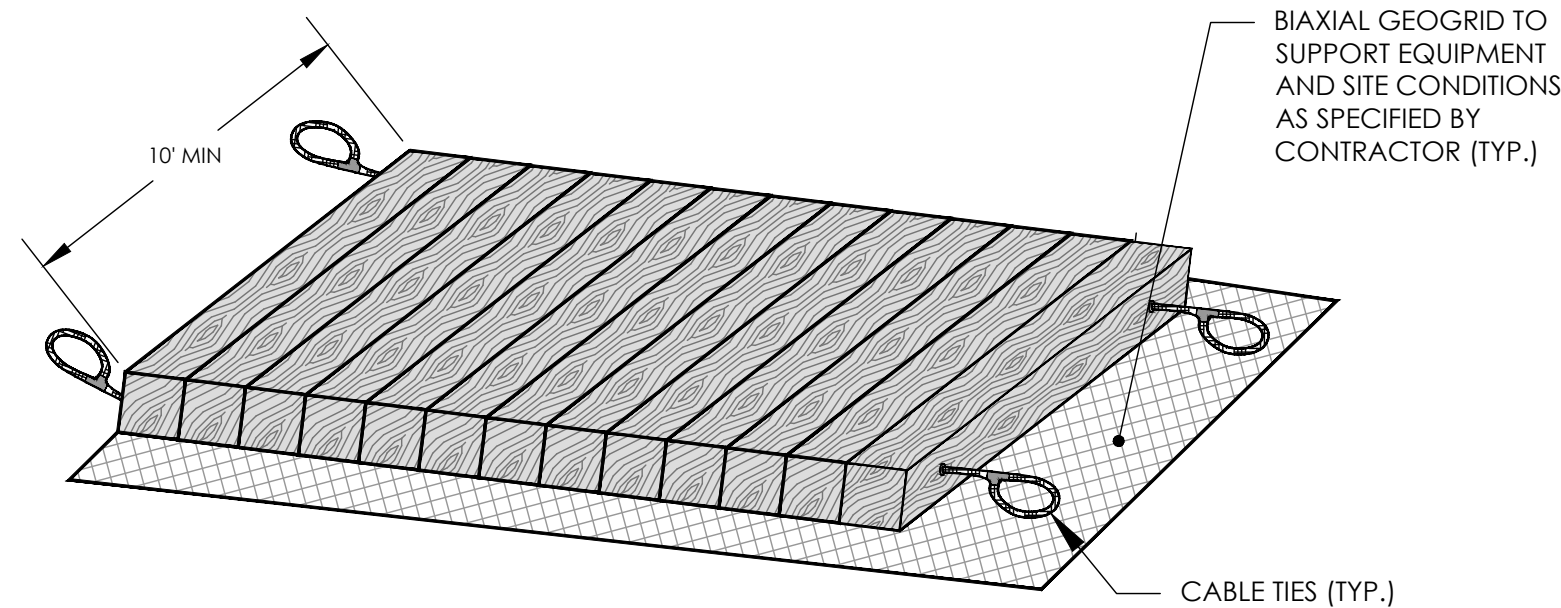
**I** SILT SOCK OR EQUIVALENT  
NOT TO SCALE



SLIP LINING NOTES:

- EXISTING WOODEN WEIR BOARDS TO BE REMOVED TO EXPOSE THE ENTIRE DIAMETER OF THE PIPE TO BE SLIP LINED. AT THE CONCLUSION OF THE PROJECT FIBERGLASS WEIR BOARDS SHALL BE REINSTALLED TO AN ELEVATION OF 10.57'.
- THE DOWNSTREAM FACE OF THE PIPE AND MASONRY WALL SHALL BE STABILIZED WITH A CONCRETE SUPPORT WALL. SEE DETAILS AND NOTES ON SAME SHEET.
- THE INVERT OF THE PIPE SHALL BE REPAIRED VIA THE INSTALLATION OF 5,000 PSI AIR ENTRAINED CONCRETE TO FILL ALL THE VOIDS AND RECREATE THE BOTTOM THE PIPE. THE CONCRETE SHALL HAVE A SCARIFIED SURFACE. ANY LOOSE ROCK AND SOIL MATERIAL SHALL BE REMOVED PRIOR TO THE CONCRETE INSTALLATION TO A DEPTH OF APPROXIMATELY 12 INCHES BELOW THE EXISTING INVERT OF THE PIPE.
- THE UPSTREAM SCOUR HOLE SHALL BE FILLED WITH CONCRETE IN A SIMILAR MANOR AS THE PIPE INVERT.
- PRIOR TO ORDERING THE HDPE SLIP LINER A TEST FIT SECTION SHALL BE OBTAINED AND USED TO DETERMINE THE ACTUAL SIZE NEEDED.
- SLIP LINING WORK SHALL BE UNDER TAKEN IN SUCH A MANNER SO AS NOT TO DISTURB THE ADJACENT GROUND SURFACES OR STONE MASONRY RELATING TO THE HISTORIC MILL CULVERT / RACEWAY.
- PROPOSED SLOPE TO BE SLIGHTLY POSITIVE AS ALLOWED BY FIELD CONDITIONS.

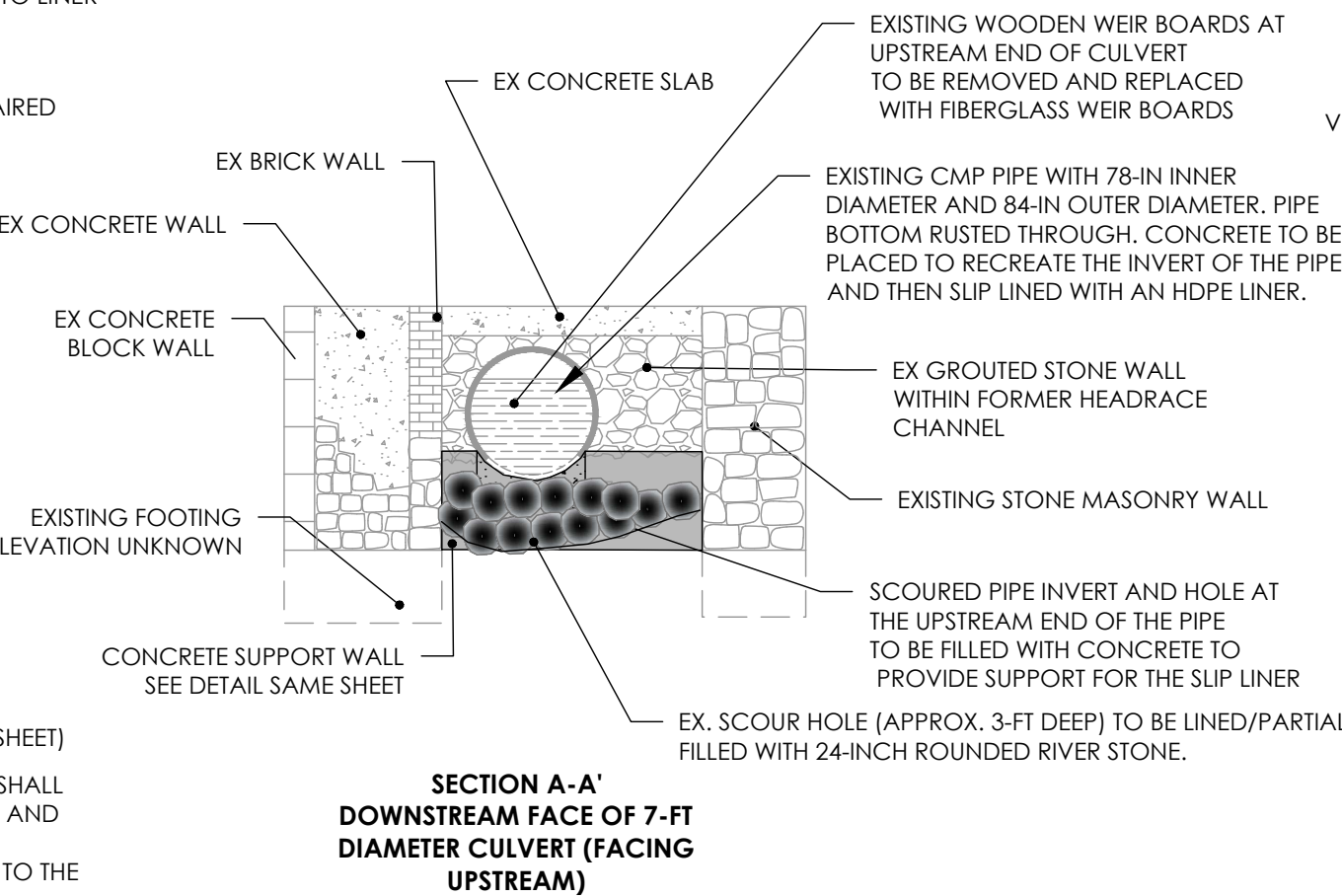
**H** SLIP LINING AND SUPPORT DETAIL  
EXISTING 7" CMP  
NOT TO SCALE



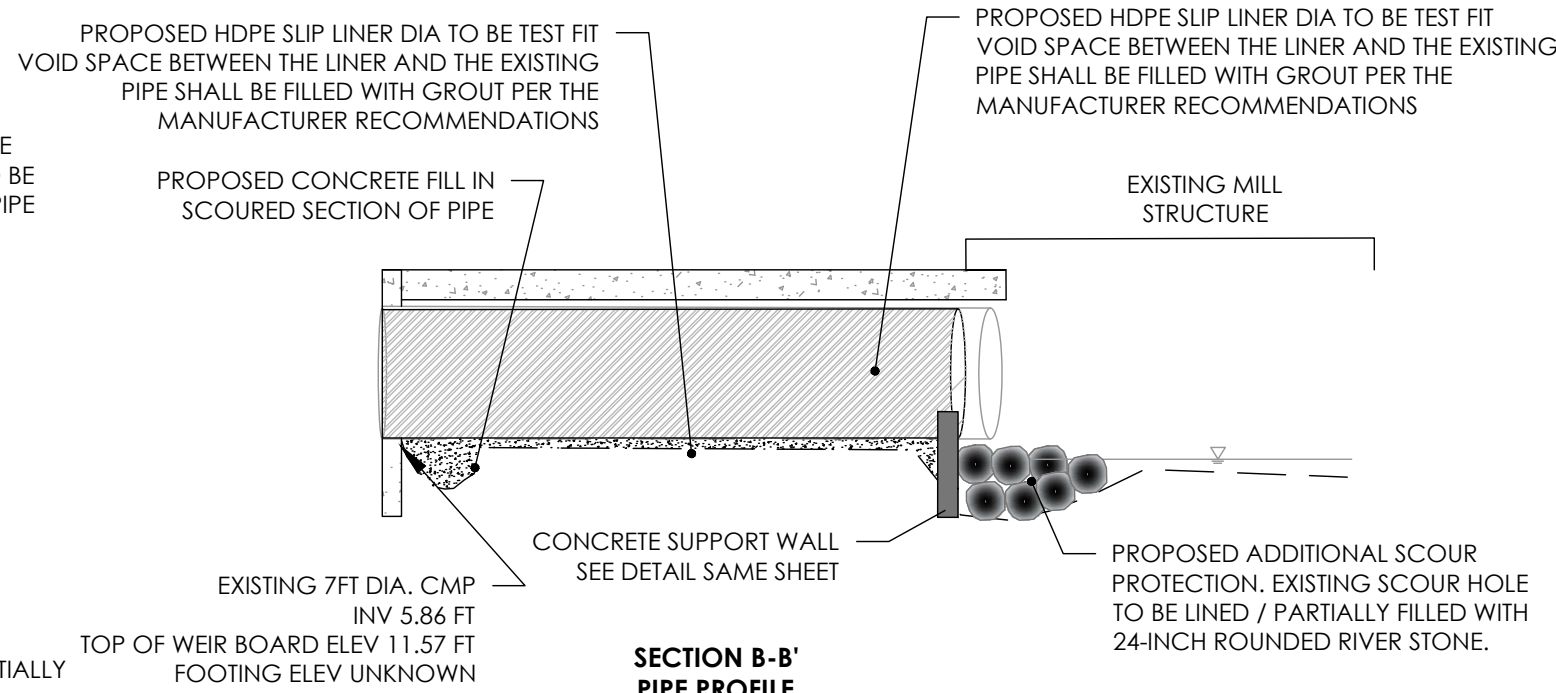
NOTES:

- DESIGN OF MATTING AND GEOGRID SUPPORT SYSTEM WILL VARY DEPENDING ON EQUIPMENT AND SITE CONDITIONS. CONTRACTOR SHALL SUBMIT A SUPPORT SYSTEM DESIGN TO THE PROJECT ENGINEER FOR REVIEW PRIOR TO IMPLEMENTATION.
- BIAXIAL GEOGRID SHALL BE INSTALLED BENEATH THE TIMBER MATS ALONG THE ENTIRE LENGTH OF THE TRACKING AREA.
- THE PLANKS SHALL BE CANTS (NON-PRESSURE TREATED WOOD), SAWN DENSE HARDWOODS, OR ROUND LOGS CABLED TOGETHER AS SHOWN. CABLE TIES SHALL BE USED TO PLACE AND REMOVE THE MATS. ONCE IN PLACE THE TIES SHALL BE TUCKED BENEATH THE MAT TO AVOID GETTING CAUGHT BY VEHICLES.
- IF VEHICLES NEED MORE TRACTION THE USE OF EXPANDED METAL GRATING MAY BE PLACED ON TOP OF THE MATS.

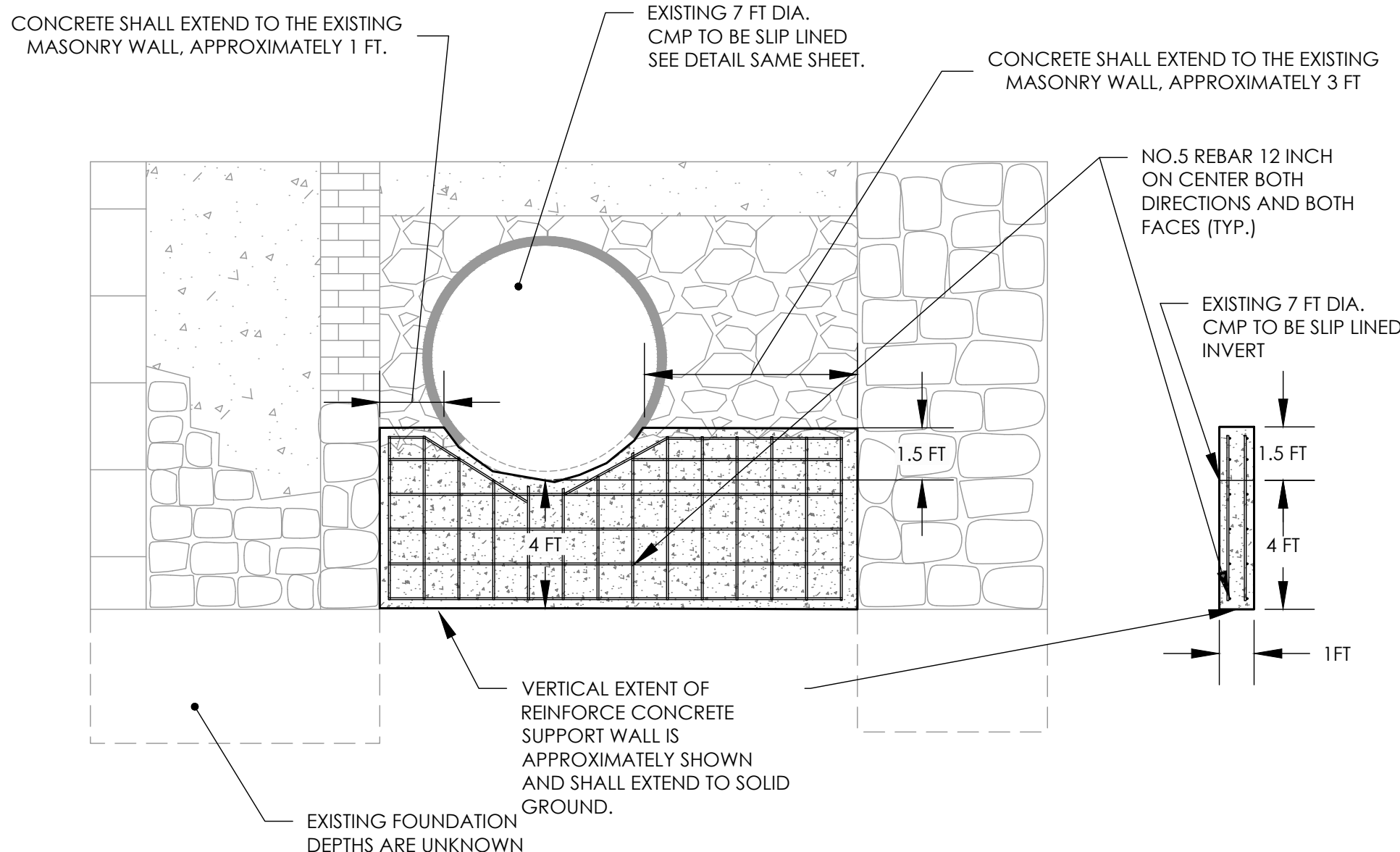
**J** TIMBER MAT ACCESS  
NOT TO SCALE  
AS NECESSARY



**SECTION A-A'**  
DOWNSTREAM FACE OF 7-FT  
DIAMETER CULVERT (FACING  
UPSTREAM)



**SECTION B-B'**  
PIPE PROFILE



CONCRETE SUPPORT WALL NOTES:

- CONCRETE TO BE PLACED SHALL BE 5,000 PSI AIR ENTRAINED CONCRETE.
  - ALL REBAR SHALL BE EPOXY COATED WITH A MINIMUM OF 3 INCHES OF COVER.
  - ANY LOOSE ROCK AT THE BASE SHALL BE REMOVED AND REUSED FOR THE SCOUR PROTECTION DOWNSTREAM OF THE SUPPORT WALL.
  - EXISTING SUBSTRATE SHALL BE REMOVED TO CREATE A FLAT BOTTOM FOR THE WALL AND BASE FOR FORMS.
  - VERTICAL EXTENT OF REINFORCE CONCRETE SUPPORT WALL IS APPROXIMATELY SHOWN
- AND SHALL EXTEND TO SOLID GROUND.
- SLIP LINER SHALL BE GROUTED IN PLACE WITH 750 LBS PER YARD PORTLAND CEMENT, 360 LBS PER YARD WATER, AND RHEOCELL 30 AT 12 FLUID OUNCES PER YARD. THE GROUT MIX DESIGN AT 55 TO 60 POUNDS PER CUBIC FOOT WILL PRODUCE MINIMUM 500 POUND COMPRESSIVE STRENGTH AT 28 DAYS.

**K** DOWNSTREAM SUPPORT WALL  
UPSTREAM VIEW FROM DETAIL H: A-A'  
NOT TO SCALE

CALL BEFORE YOU DIG!

MASSACHUSETTS LAW REQUIRES  
3 WORKING DAYS NOTICE  
PRIOR TO CONSTRUCTION - STOP CALL  
REFERENCE 220 CMR 99.00  
AND GL C. 82 SEC. 40-40E  
DIG SAFE SYSTEM, INC.

**1-888-344-7233**

PROJECT NOTES

- BASE AERIAL TOPOGRAPHY AND SITE FEATURES OBTAINED FROM GM2 ASSOCIATES, INC., IN DIGITAL FORMAT, APRIL 2013. ADDITIONAL BATHYMETRIC SURVEY OF HUNTERS POND COMPLETED NOVEMBER 2014.
- SUPPLEMENTAL LIDAR TOPOGRAPHIC DATA OBTAINED FROM MASSGIS, MASS.GOV.
- DATA REFERENCED TO NORTH AMERICAN DATUM OF 1983 (NAD83). STATE PLANE MASSACHUSETTS, FEET. VERTICAL DATUM NORTH AMERICAN VERTICAL DATUM OF 1988, FEET.
- RESOURCE DELINEATION / IDENTIFICATION COMPLETED BY WEILAND STRATEGIES AND SOLUTIONS, LLC ON 04/09/2013 - 04/10/2013.
- FEMA 100-YR FLOODPLAIN AS SHOWN ON EFFECTIVE FIRM, OBTAINED FROM DFRM DATA.
- MEAN HIGH WATER (MHW, ELEV. 3.98 FEET), MEAN LOW WATER (MLW, ELEV. -4.76 FEET), AND HIGH TIDE LINE (HTL, ELEV. 6.37 FEET) OBTAINED FROM NOAA TIDE STATION 8443970, BOSTON, MA AND CONVERTED, AS PER THE 2014 USACE REPORT ENTITLED "MUSQUASHCUT POND TIDAL FLUSHING STUDY, SCITUATE, MASSACHUSETTS", WHICH USED "NOS-SUPPLIED CONVERSIONS TO ACCOUNT FOR KNOWN COHASSET HARBOR CHARACTERISTICS (I.E. ALL TIDE STAGES AT BOSTON WERE MULTIPLIED BY 0.92 TO GET THE REDUCED RANGE EXPECTED AT COHASSET HARBOR AT WHITEHEAD)". HTL ASSUMED EQUIVALENT TO HIGHEST ASTRONOMICAL TIDE (HAT).
- WATER MAIN RELOCATION PLAN AND DETAILS PROVIDED BY WESTON & SAMPSON, IN COORDINATION WITH INPUT FROM THE TOWN OF SCITUATE.

3/1/2017	REVISED PER PERMIT CONDITIONS
1/5/2017	REVISED PER REGULATORY COMMENTS
11/30/2016	REVISED PER USACE COMMENTS
11/9/2016	REVISED PER CLIENT COMMENTS
6/24/2016	REVISED PER CLIENT COMMENTS
DATE	DESCRIPTION

REVISIONS

**GEOFFREY M. GOLL**

Professional Engineer  
MA Lic. No. 48283

DATE



SCIENTISTS AND ENGINEERS  
1108 OLD YORK ROAD, SUITE 1  
P.O. BOX 720  
RINGOES, NEW JERSEY 08551  
PHONE: 908.237.5660  
FAX: 908.237.5666  
WWW.PRINCETONHYDRO.COM

PROJECT NAME/LOCATION:

HUNTERS POND DAM REMOVAL  
A.K.A. MORDECAI LINCOLN ROAD DAM  
TOWN OF SCITUATE  
PLYMOUTH COUNTY, MASSACHUSETTS

DRAWING NAME:

CONSTRUCTION DETAILS

DATE:	11/30/2016
PROJECT NO.:	1142.011
SCALE:	NOT TO SCALE
DRAWN BY:	AEM / DTK / STB
CHECKED BY:	LASW / PMW

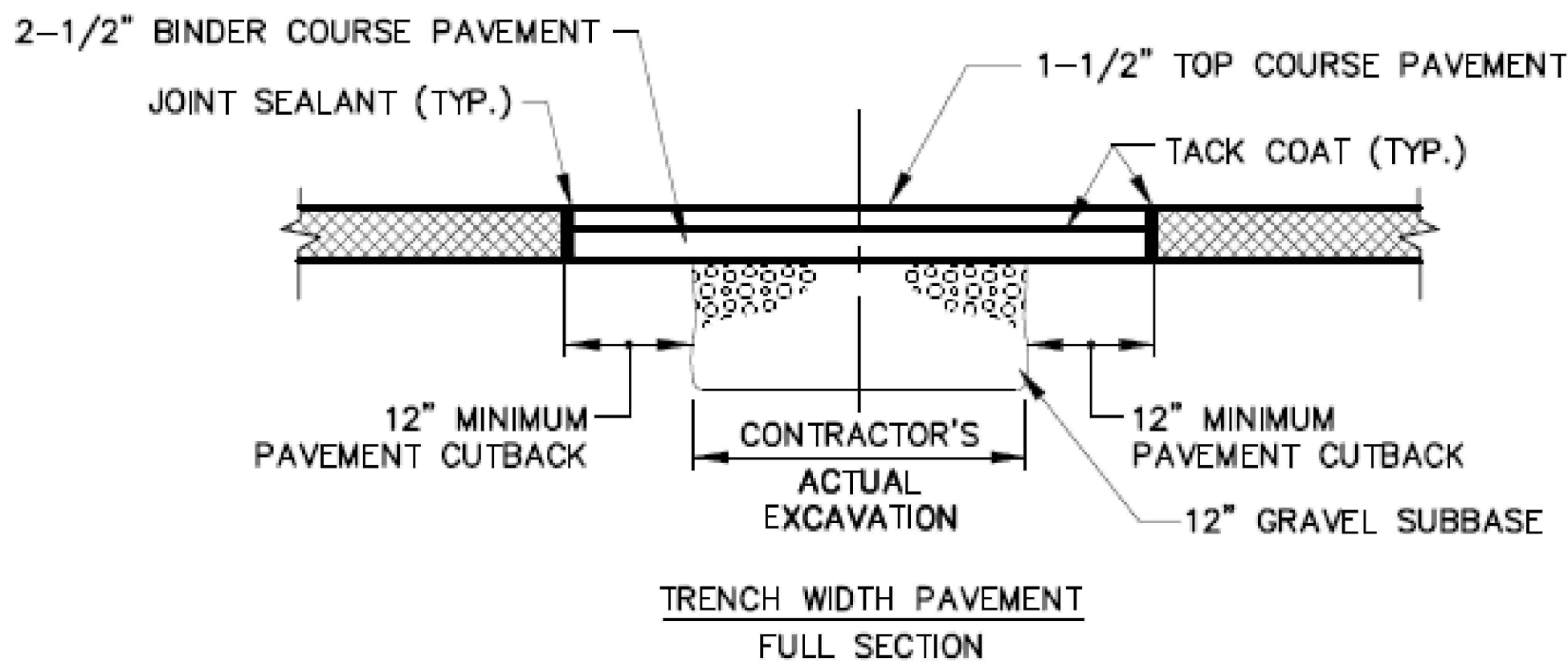
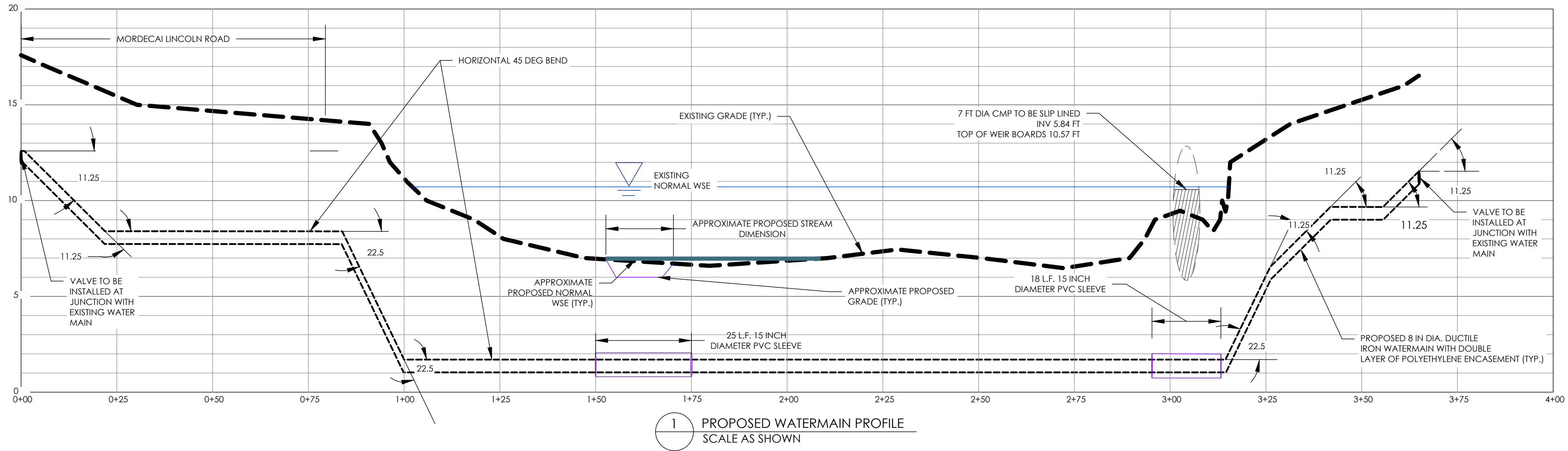
SHEET NO.

8

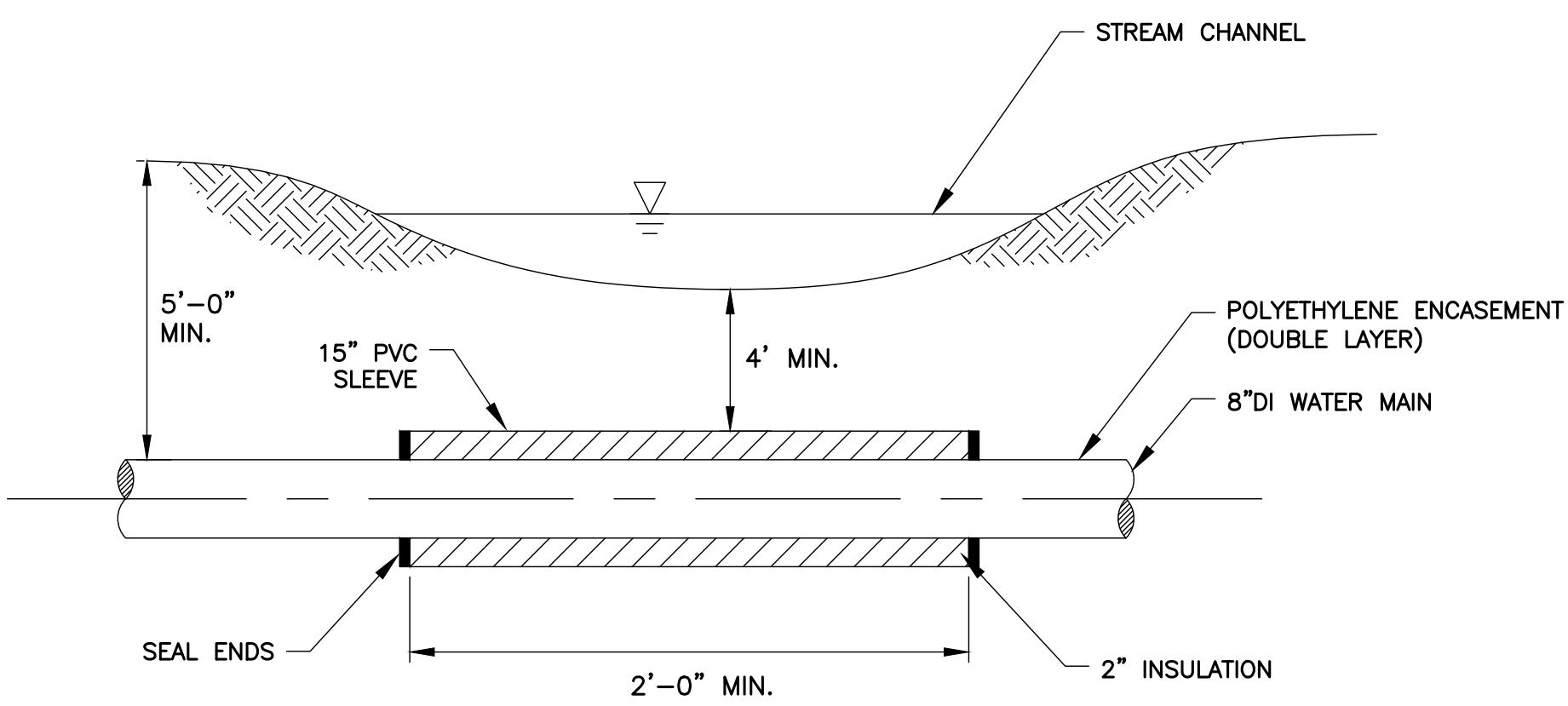
OF

9

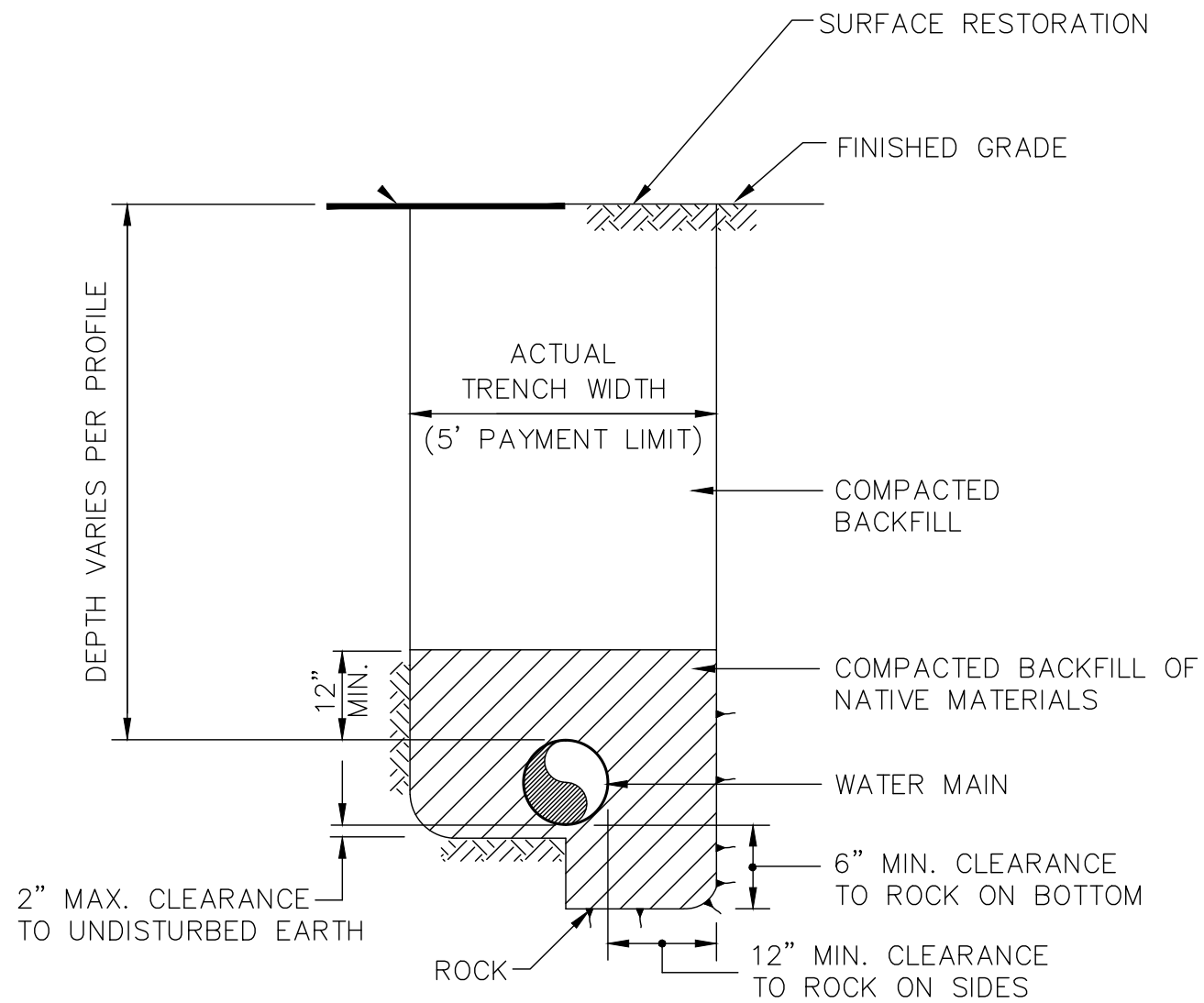




A PAVEMENT REPLACEMENT DETAIL  
NOT TO SCALE



B WATERMAIN SLEEVE DETAIL  
NOT TO SCALE



D WATERMAIN TRENCH DETAILS  
NOT TO SCALE

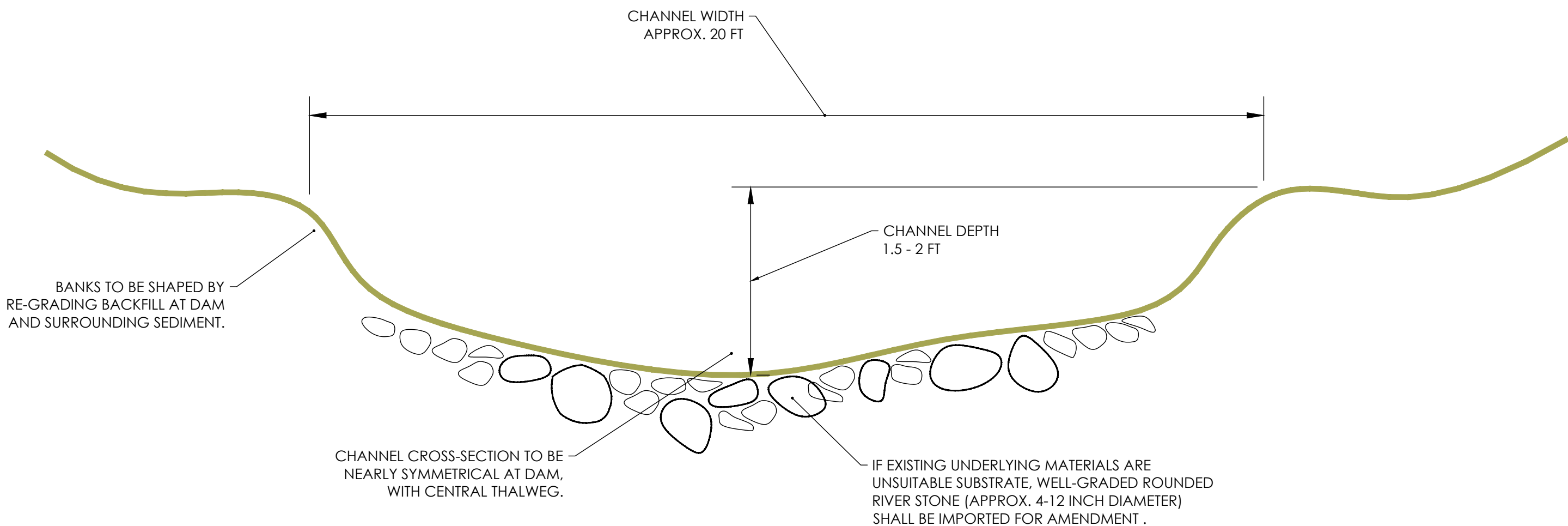
REQUIRED LENGTH OF RESTRAINED JOINTS FROM FITTINGS (FEET)

PIPE SIZE	90° BEND	45° BEND OR WYE BRANCH	22 1/2° BEND	11 1/4° BEND	PLUG, CAP OR IN-LINE VALVE	TEE (BRANCH)
8"	33 (40)	13.5 (16.5)	6.5 (8)	3 (4)	55 (82)	47 (70)

NOTES:

- RESTRAINED LENGTHS LISTED IN PARENTHESES ARE FOR PIPE WRAPPED IN POLYETHYLENE. THE OTHER ASSOCIATED LENGTHS ARE FOR PLAIN UNWRAPPED DUCTILE IRON PIPE.
- THE CONTRACTOR SHALL USE THIS TABLE IN CONJUNCTION WITH THE APPROPRIATE PIPE SPECIFICATION SECTION.

C RESTRAINED JOINT FITTINGS  
NOT TO SCALE



E STREAM CHANNEL DETAIL  
NOT TO SCALE

CALL BEFORE YOU DIG!  
MASSACHUSETTS LAW REQUIRES  
3 WORKING DAYS NOTICE  
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REFERENCE 220 CMR 99.00  
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PROJECT NOTES

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- WATER MAIN RELOCATION PLAN AND DETAILS PROVIDED BY WESTON & SAMPSON, IN COORDINATION WITH INPUT FROM THE TOWN OF SCITUATE.

DATE	DESCRIPTION
3/1/2017	REVISED PER PERMIT CONDITIONS
1/5/2017	REVISED PER REGULATORY COMMENTS
12/1/2016	REVISED PER USACE COMMENTS
11/9/2016	REVISED PER CLIENT COMMENTS
5/20/2016	REVISED PER CLIENT COMMENTS

REVISIONS

GEOFFREY M. GOLL  
Professional Engineer  
MA Lic. No. 48283

DATE



SCIENTISTS AND ENGINEERS  
1108 OLD YORK ROAD, SUITE 1  
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HUNTERS POND DAM REMOVAL  
A.K.A. MORDECAI LINCOLN ROAD DAM  
TOWN OF SCITUATE  
PLYMOUTH COUNTY, MASSACHUSETTS

DRAWING NAME:

WATERMAIN PROFILE AND DETAILS

DATE:	12/1/2016
PROJECT NO.:	1142.011
SCALE:	AS SHOWN
DRAWN BY:	AEM / STB
CHECKED BY:	LASW / PMW

SHEET NO.

9

OF

9

**APPENDIX D**  
**MHC PHOTO SUBMISSION FORM AND PHOTO LOG**

# Massachusetts Historical Commission Photo Submission Form

*Please submit one form for each group of digital images*

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## About your digital files:

Camera Used (make, model): Nikon D3300

Resolution of original image capture (camera setting including resolution and file format):

Pixel Dimensions: 40.5M, 4,496 pixels x 3,000 pixels; Document Size: 15"x10" jpeg; Resolution: 300 pixels per inch

File name(s) (attach additional sheets if necessary) check here ☒ to refer to attached photo log:

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## About your prints:

Printer make and model: Epson Stylus Photo Printer R3000

Paper: brand & type (i.e., Epson Premium Glossy Photo)

Epson Borderless Premium Glossy Photo Paper

Ink: Epson Ultrachrome Pigmented Inks

---

**Signature:** (By signing below you agree that the information provided here is true and accurate.)

Signature:  Date: 9/11/2017



## PHOTOGRAPH LOG

### MORDECAI LINCOLN HOMESTEAD AND MILL COMPLEX, MORDECAI LINCOLN MILL

Location: 68 Mordecai Lincoln Road  
Scituate, Plymouth County, Massachusetts

Photographer: John J. Daly  
PAL  
26 Main Street  
Pawtucket, Rhode Island

Date: December 6, 2016 ad June 21, 2017

MA\_Scituate(Plymouth Cty)\_LincolnMill\_1  
MA\_Scituate(Plymouth Cty)\_LincolnMill\_2  
MA\_Scituate(Plymouth Cty)\_LincolnMill\_3  
MA\_Scituate(Plymouth Cty)\_LincolnMill\_4  
MA\_Scituate(Plymouth Cty)\_LincolnMill\_5  
MA\_Scituate(Plymouth Cty)\_LincolnMill\_6  
MA\_Scituate(Plymouth Cty)\_LincolnMill\_7  
MA\_Scituate(Plymouth Cty)\_LincolnMill\_8  
MA\_Scituate(Plymouth Cty)\_LincolnMill\_9  
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MA\_Scituate(Plymouth Cty)\_LincolnMill\_21  
MA\_Scituate(Plymouth Cty)\_LincolnMill\_22