

Plant List - 4/24//2023 280 Nevada Street Newton, MA

QTY KEY SPECIES REMARKS **EVERGREEN TREES** PS Pinus strobus 6'-7' ht. 15 gallon White Pine **CANOPY TREES** AR Acer rubrum 3" caliper B and B Red Maple BN Betula nigra 15 gallon UNDERSTORY TREES 4 AC Amelanchier canadensis 2" caliper Cornus florida 2" caliper B and B Flowering Dogwood HV Hammamelis virginiana Multi-stemmed Witch Hazel 7 gallon MV Magnolia virginiana 7 gallon Sweet Bay Magnolia SHRUBS CAT Ceanothus americanus 1 gallon New Jersey Tea CA Clethera alnifolia 2 gallon Sweetspire CP Comptonia peregrina 1 gallon Sweet fern Cornus serica 1 gallon Red Osier Dogwood FG Fothergilla gardenii 3 gallon Dwarf Fothergilla Hydrangea arborescens 3 gallon Smooth Hydrangea IG Ilex glabra 3 gallon Inkberry Holly 3 gallon Ilex verticillata 1 male required Winterberry Holly IVS Itea virginica 3 gallon Virginia Sweetspire 1 gallon JC Juniperus communis 'Repanda' 4' O.C in 100' buffer Common Juniper PF Pieris floribunda 3 gallon Mountain Andromeda RV Rhododendron viscosum 3 gallon Smooth Azalea 17 VR Rosa virginiana 3 gallon Virginia Rose VA Vaccinum angustifolium 1 gallon Low Bush Blueberry VC Vaccinium corymbosum 2 gallon Highbush Blueberry GRASSES PAH Pennisetum alopecuroides 'Hameln' 1 gallon Hameln Fountain Grass

Pollinator Gardens - See Notes for species

Seed Mixes - See Notes for details

LEGEND

PLAN NOTES:

Site plan and survey is provided by:

VTP Associates Inc. 132 Adams Street 2nd Floor Suite 3, Newton, MA 023458

1. The Limit of Work will be the property line. Erosion controls will be installed as shown on the Proposed Conditions Plan.

2. The existing conditions in the 2,186 SF of 25' buffer, Inner AURA, includes turf lawn, one 14" caliper White Pine, 118 LF of 6' stockade fencing and a disturbed area that was previously used as a contractors storage yard.

The existing 50' Buffer Zone includes turf lawn, 80 LF of 6' stockade fence, a bituminous driveway, two White Pines (14" and 9" caliper) and a disturbed area that was previously used as a contractors storage yard. The 100' buffer includes retaining walls, a patio area, bituminous driveway and loading area, 6' stockade fencing and turf areas. The existing soils in the NE corner of the site shall be amended as required for planting. The entire lower, rear yard area (8,472 sf) will be planted with native plants as part of the proposed project.

- 3. There are four existing White Pines that will be removed as part of the project. One 14" caliper White Pine is located in the 25' Buffer. Two White Pines (14" and 9" caliper) are located in the 50' Buffer. One White Pine (18" caliper) is located in the 100' Buffer. A total of 55 caliper inches of evergreen trees will be removed. Landscape planting includes 10 Pinus strobus/White Pine that will be planted along the rear property line for a total replacement of 45 +/- caliper inches of evergreen trees. An additional 58 caliper inches of canopy and understory trees will be provided for a total of 103 caliper inches provided.
- 4. Temporary irrigation will be required for the first two to three growing seasons while plants establish. Once the plants and seeded areas are established the temporary irrigation will be removed.
- 5. All existing fencing on site will be removed. A 4' high open railing to allow for unobstructed sightlines into the landscaped area will be installed on the wall that divides the building lot from the landscaped area. The other walls in the building area will have solid body 4' high fence. The perimeter fence will be 6' solid fence set with a minimum of clearance of 6" beneath the fence to allow for wildlife to pass under.
- 6. Exterior lighting shall be dark sky compliant that is switched off when not in use. Warm, LED low voltage or solar site lighting shall illuminate paths, steps and walkways and will not be focused to illuminate the wetland buffer.

7. Newly planted trees and shrubs will be mulched to a depth of 2"-2 ½" to the drip line. Mulching materials would be aged wood chips or bark mulch. Areas to be hydroseeded will have a minimum of 4" of top soil installed prior to seeding. If required in the retention pond slopes a biodegradable erosion control fabric will be used.

8. The pedestrian path in the mitigation area will be 4' wide with a shredded bark mulch surface. 9. The elevation within the two existing areas that are below elevation 45 will not be increased as a result of the project.

SEED MIX A

Seed mix A will be hydroseeded as a groundcover in the 25' buffer. Seed Mix A will be the New England Province OBL mix – ERNMX-252 by Ernst Conservation Seeds (www.ernstseed.com). This is a meadow seed mix that grows to a height of 2'-3'. SEED MIX B

Lawn areas "Seed B" shall be seeded with Lavoie Horticulture Natural Perfection, or similar

fescue seed blend. Lawn areas within the landscaped area shall be managed organically with low nitrogen products, if required. This lawn area near pedestrian path and retention pond will be mowed for tick control.

SEED MIX C

This seed mix will be used in the retention pond. Seed mix C shall be OBL Wetland Mix – ERNMX-131 by Ernst Conservation Seeds (<u>www.ernstseed.com</u>). This wetland mix can adapt to standing water during part or all of the year.

POLLINATOR GARDENS

Pollinator gardens will be made up of a variety of plants chosen for bloom season, height and

Smooth Beardtongue, Penstemon digitalis Wild Columbine, Aqueligia canadensis Coral Bells, *Heuchera americana** Goat's Beard, Aruncus dioicus Wild Geranium, Geranium maculatum Canada Anemone, Anemone canadensis Rue Anemone, Thalictrum thalictroides Wild Lupine, *Lupinus perennis* Golden Groundsel, Packera aurea Swamp Milkweed, Asclepias incarnata Butterfly Weed, Ascelpias tuberosa Brown Eyed Susan, Rudbeckia hirta Northern Blazing Star, Liatris scariosa Wild Bergamot, Monarda fistulosa Spotted Beebalm, Monarda punctata Red Beebalm, Monarda didyma

Culver's Root, Veronicastrum virginicum Golden Alexanders, Zizia aurea Cardinal Flower, Lobelia cardinalis Wild Indigo, Baptisia tinctoria New England Aster, Symphyotrichum novae-angliae Aromatic Aster, Symphyotrichum oblongifolius (formerly Aster oblongifolius) Smooth Aster, Symphyotrichum laeve (formerly Aster laevis) Calico Aster, Symphyotrichum lateriflorum (formerly Aster lateriflorus) White Woodland Aster, Eurybia divaricata (formerly Aster divaricatus) Woodland Sunflower, Helianthus divaricatus Pale-leaved Sunflower, Helianthus strumosus Great Blue Lobelia, Lobelia siphilitica Little Bluestem, Schizachyrium scoporium Downy Phlox, Phlox pilosa Purple Coneflower, Echinacea purpurea Rose Coreopsis, Coreopsis rosea Common Yarrow, Achillea millefolium Goldenrods, various, Solidago spp. Lanceleaf Coreopsis, Coreopsis lanceolata Little Bluestem, Schizachyrium scoporium Prairie Dropseed, Sporobolus heterolepis

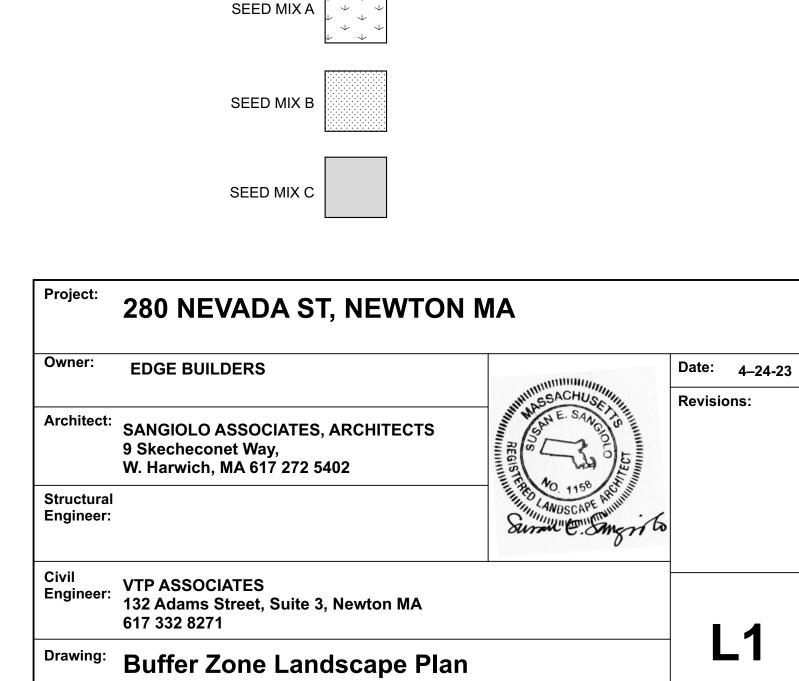
TREE REMOVALS

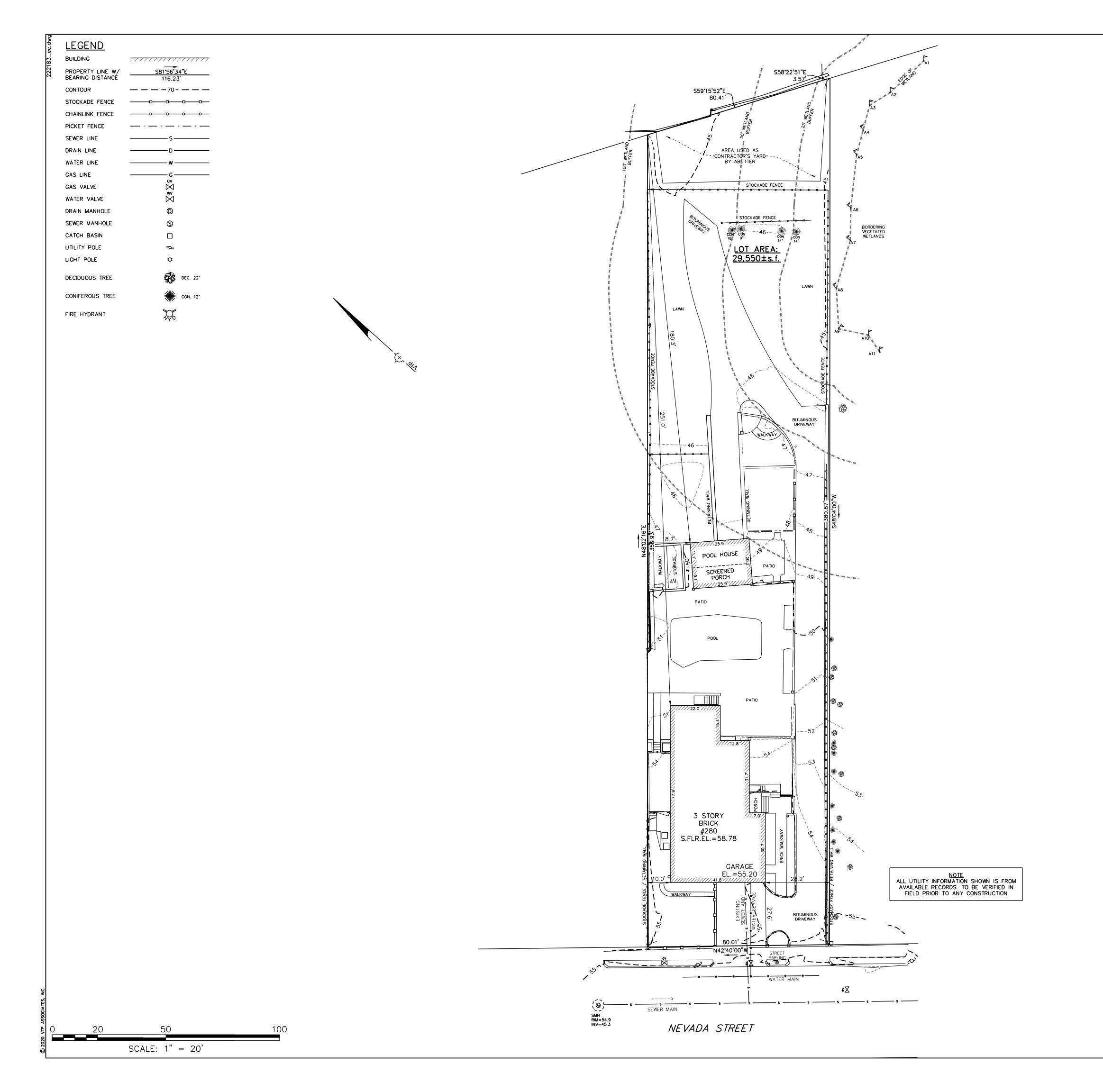
TOTAL 55 CALIPER INCHES

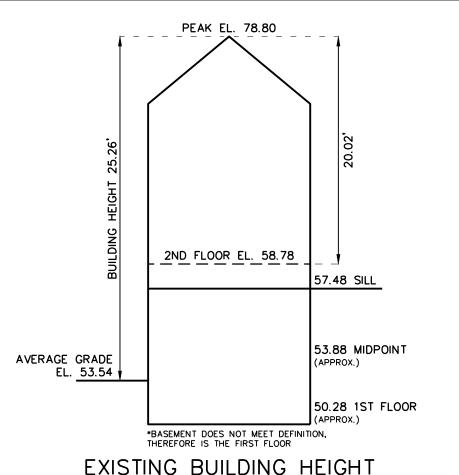
4 – EXISTING PINUS STROBUS/ WHITE PINES (18", 9", 14", 14" CALIPER)

REPLACEMENT TREES CALIPER INCHES 40 CALIPER INCHES 10 - PINUS STROBUS/ WHITE PINES 6 - ACER RUBRUM/RED MAPLES 18 CALIPER INCHES 21 CALIPER INCHES 7 - BETULA NIGRA / RIVER BIRCH 4 - AMELANCHIER CANADENSIS / SHADBLOW 8 CALIPER INCHES 4 – HAMMAMELIS VIRGINIANA/ WITCH HAZEL **8 CALIPER INCHES** 4- MAGNOLIA VIRGINIANA/SWEETBAY MAGNOLIA 8 CALIPER INCHES 103 CALIPER INCHES PROVIDED

EXISTING TREE TO BE REMOVED UNDERSTORY TREE **CANOPY TREE EVERGREEN TREE** POLLINATOR GARDEN







EXISTING BUILDING HEIGHT

Length Weighted Mean Existing Conditions Average Grade Calculation						
1	41.8	55.7	54.9	55.28	2310.50 Sq. Ft.	
2	30.7	55.6	55.4	55.49	1703.54 Sq. Ft.	
3	7.3	55.7	55.6	55.66	406.28 Sq. Ft.	
4	24.4	55.3	53.8	54.50	1329.80 Sq. Ft.	
5	12.8	50.8	50.6	50.73	649.28 Sq. Ft.	
6	15.4	51.3	50.6	50.92	784.09 Sq. Ft.	
7	22.0	50.7	50.5	50.61	1113.42 Sq. Ft.	
8	77.9	55.4	50.9	53.17	4141.55 Sq. Ft.	
Total	232.30				12438.46 Sq. Ft.	

Total Column F / Total Column B = Average Grade Average Grade: 53.54'

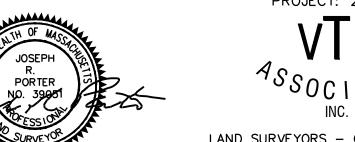
ZONING CHART					
NEWTON, MASSACHUSETTS					
ZONE: MR-1 (C	OLD) SUBMISSION: EXISTING				
REGULATION	REQUIRED	EXISTING			
LOT AREA	7,000s.f.	29,550±s.f.			
LOT FRONTAGE	70.0'	80.01			
FRONT SETBACK	25.0'	27.6			
SIDE SETBACK	7.5'	10.0'			
REAR SETBACK	15.0'	251.0'			
BUILDING HEIGHT	36.0'	25.26'			
AVERAGE GRADE	_	99.39			
LOT COVERAGE	30.0%	11.1%			
OPEN SPACE	50.0%	66.4%			

TOPOGRAPHIC SITE PLAN NEWTON, MASSACHUSETTS

SHOWING EXISTING CONDITIONS AT #280 NEVADA STREET

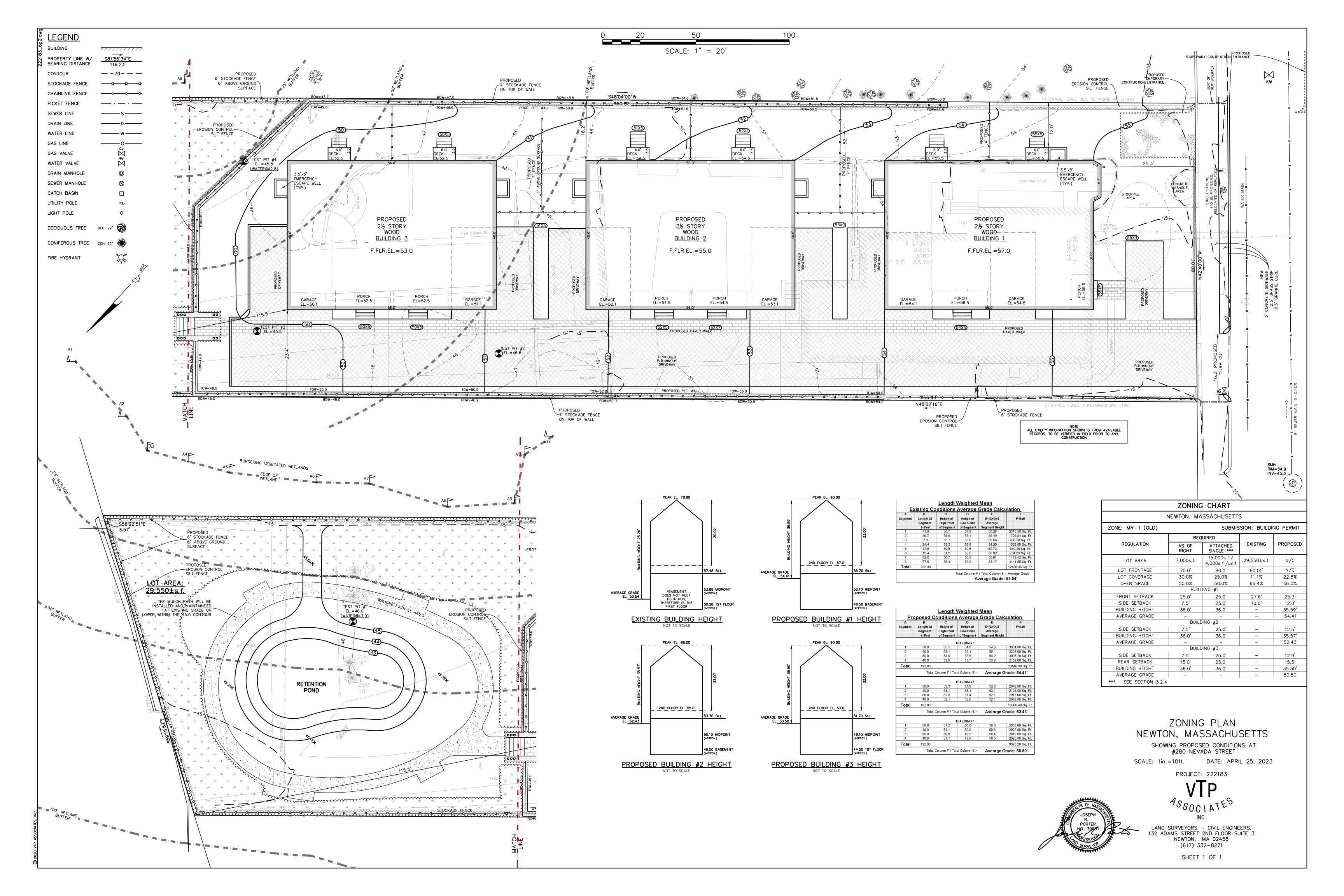
SCALE: 1in.=20ft. DATE: APRIL 25, 2023

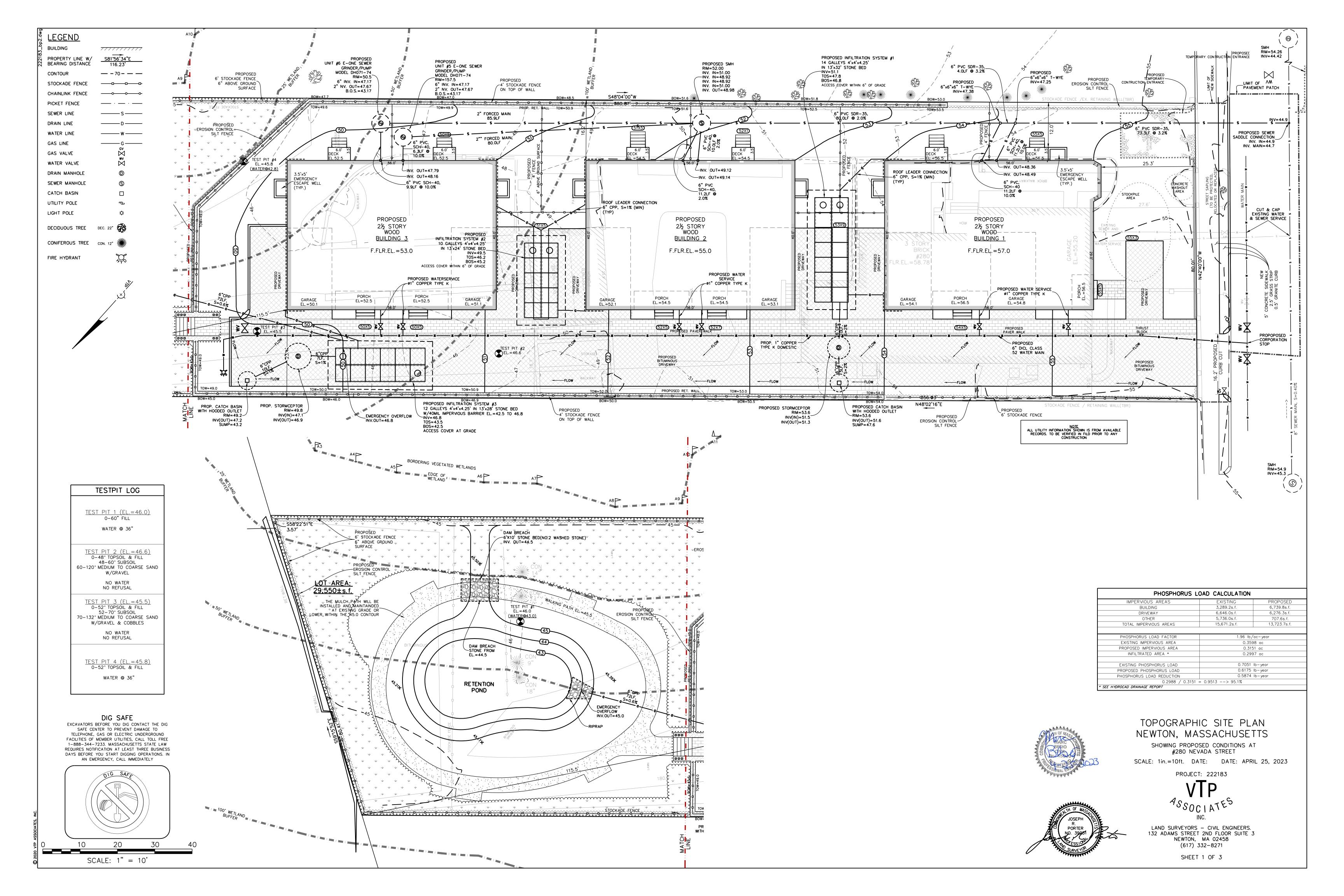
PROJECT: 222183

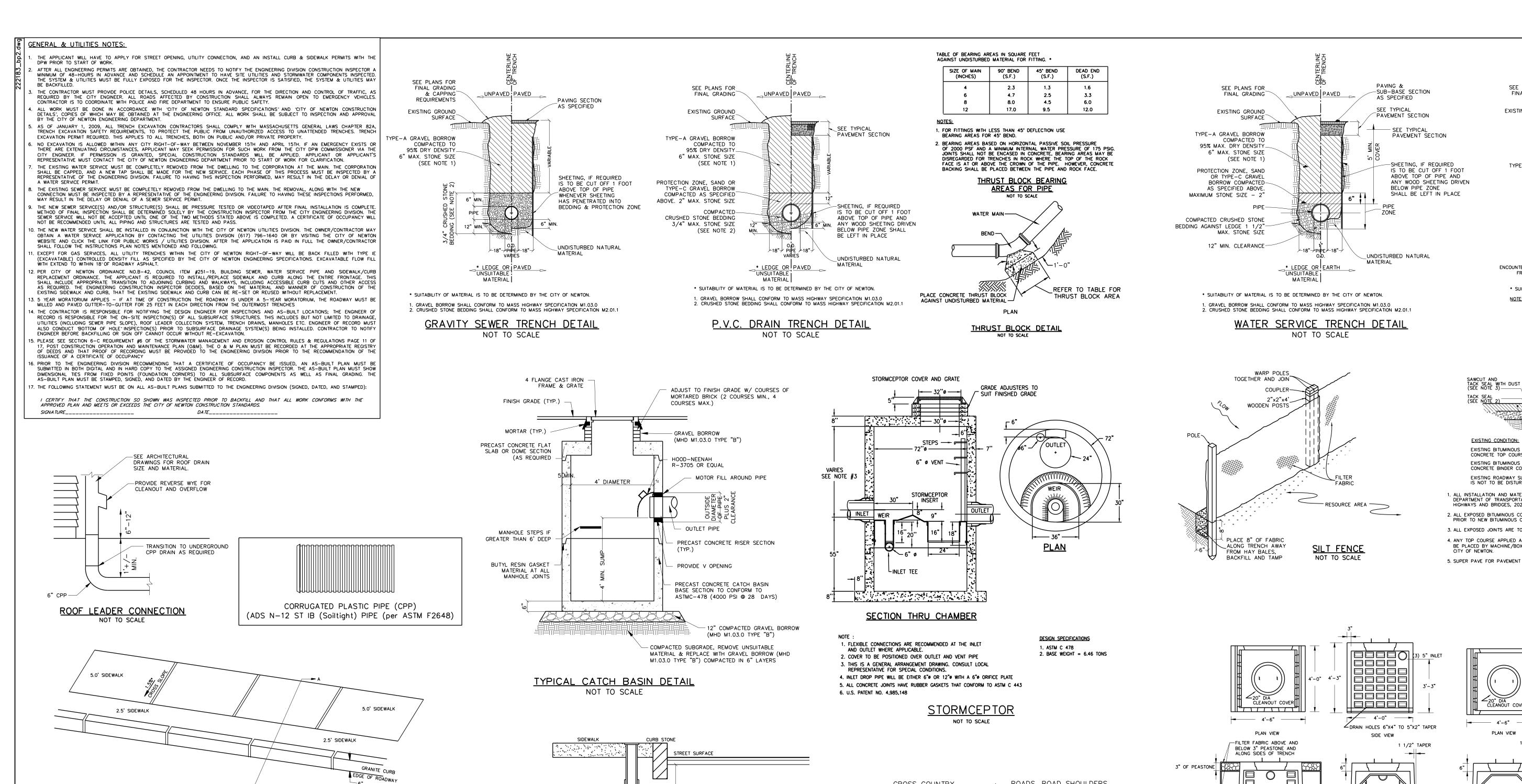


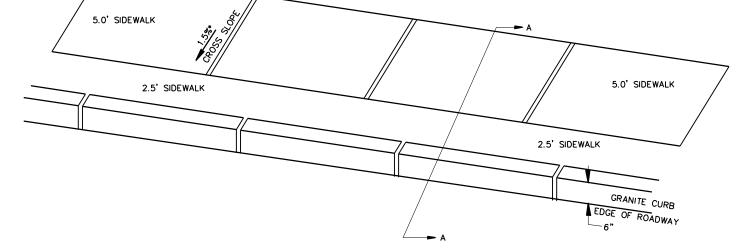
LAND SURVEYORS — CIVIL ENGINEERS.
132 ADAMS STREET 2ND FLOOR SUITE 3
NEWTON, MA 02458
(617) 332-8271

SHEET 1 OF 1

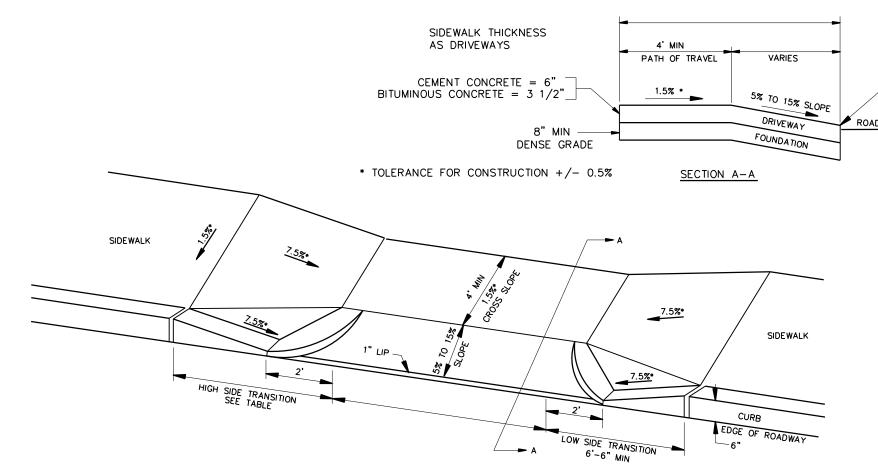




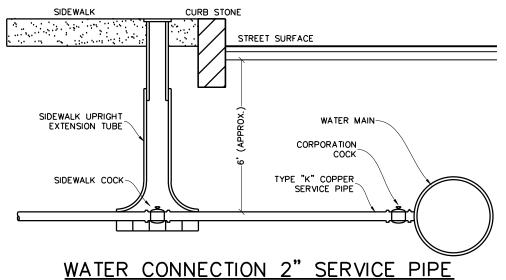




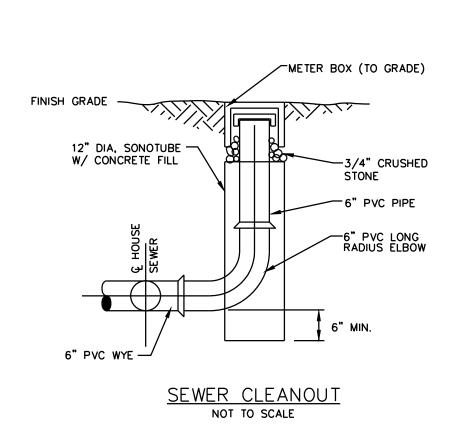
PROPOSED GRANITE CURB, GRASS STRIP & SIDEWALK DETAIL

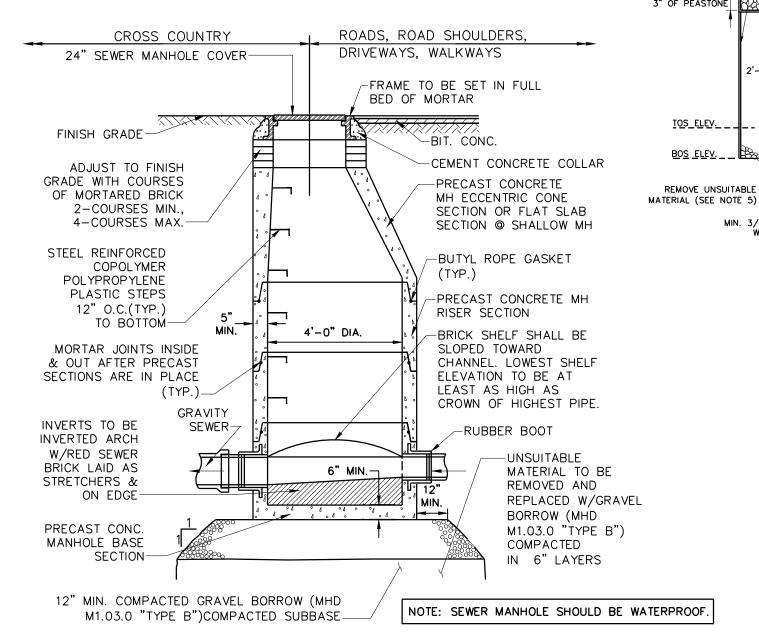


DRIVEWAY APRON WITH CORNER BLOCKS

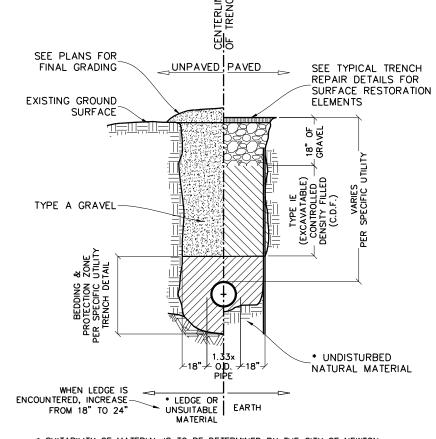


NOT TO SCALE



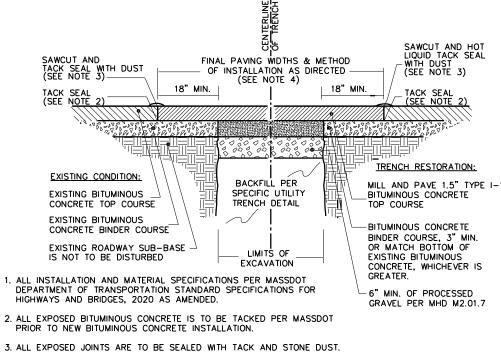


TYPICAL SEWER MANHOLE DETAIL NOT TO SCALE



* SUITABILITY OF MATERIAL IS TO BE DETERMINED BY THE CITY OF NEWTON. NOTE: TRENCHBOX OR SHEETING SHALL MEET OSHA STANDARDS.

> C.D.F. TRENCH DETAIL NOT TO SCALE



4. ANY TOP COURSE APPLIED AT A WIDTH OF 6' WIDE OR GREATER IS TO BE PLACED BY MACHINE/BOX SPREADER WHEN & AS DIRECTED BY THE CITY OF NEWTON.

> TYPICAL TRENCH REPAIR & PAVEMENT SECTION DETAIL

NOT TO SCALE

4'-6" PLAN VIEW 4'-0" 4'-0" - 4'-6" DRAIN HOLES 6"X4" TO 5"X2" TAPER FRONT/BACK VIEW SIDE VIEW FRONT VIEW BACK VIEW REMOVE UNSUITABLE -END SECTION CENTER SECTION MIN. 3/4" TO 1-1/2" -MINIMUM OF 1-FOOT OF COVER CONCRETE: 4,000 PSI MINIMUM AFTER 28 DAYS. ALSO AVAILABLE IN H-20 LOADING.
SECTIONS AVAILABLE WITHOUT 20" CLEANOUT. EXCAVATION OF UNSUITABLE MATERIAL WILL EXTEND FIVE FEET LATERALLY IN ALL DIRECTIONS BEYOND THE OUTER PERIMETER OF THE GALLEY SECTIONS AND TO A DEPTH OF NATURALLY OCCURRING PERVIOUS MATERIAL. UNSUITABLE

MATERIAL WILL BE REPLACED WITH GRAVEL BORROW(MHD M1.03.0 TYPE "B") COMPACTED IN 6" LAYERS.

GALLEY DETAIL



DETAILS NEWTON, MASSACHUSETTS

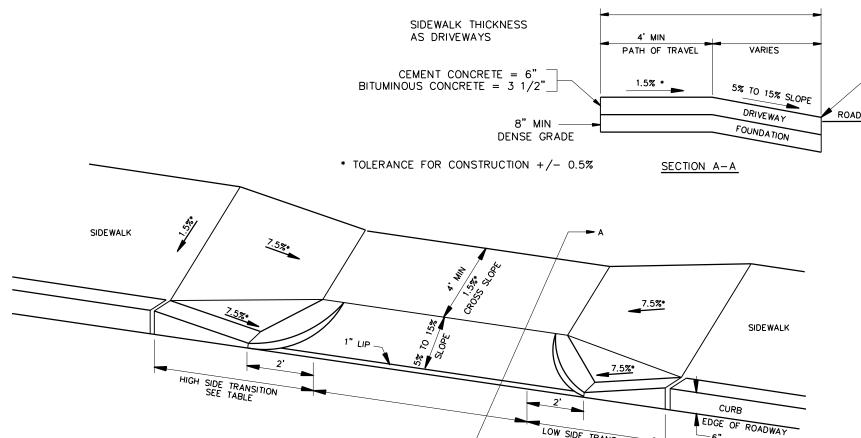
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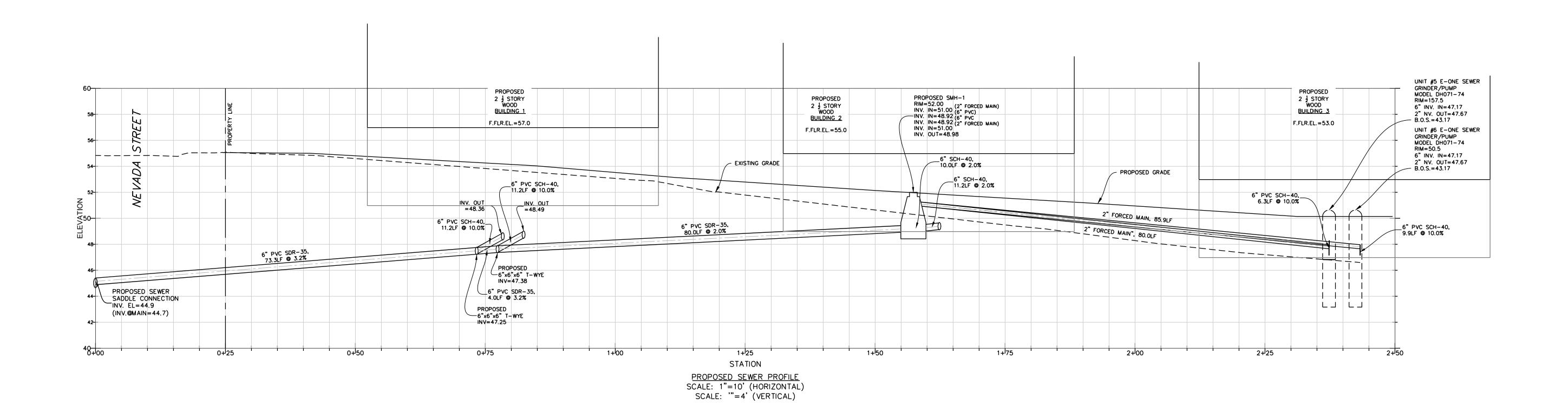
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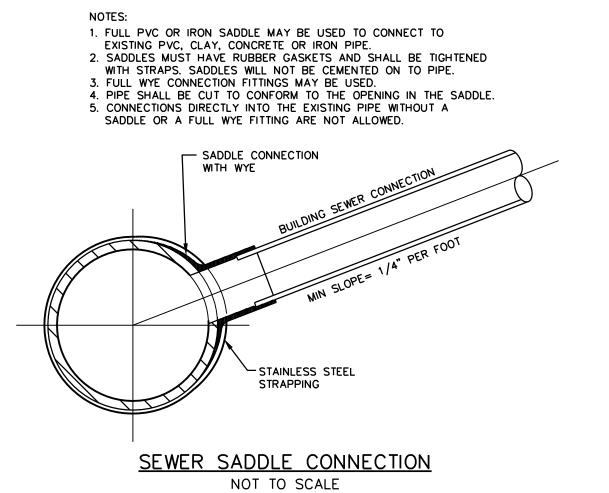


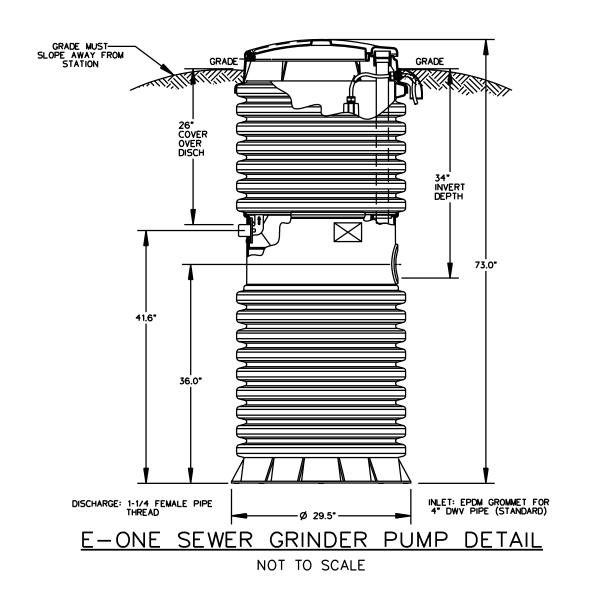
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SHEET 2 OF 3











DETAILS
NEWTON, MASSACHUSETTS
SHOWING PROPOSED CONDITIONS AT
#280 NEVADA STREET

#200 NEVADA STREET

SCALE: 1in.=20ft. DATE: APRIL 25, 2023



INC.

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SHEET 3 OF 3

