

**Connecticut Department of Energy and Environmental Protection License\***

**Structures, Dredging & Fill Permit**

**Licensee(s):** Old Colony Beach Association

---

**Licensee Address(s):** P.O. Box 10  
Old Lyme, CT, 06371

---

**License Number(s):** 202409389-SDFWQC

---

**Municipality:** Old Lyme

---

**Project Description:** Drainage and stormwater infrastructure improvement at Old Colony Beach Association for flood control.

---

**Project Address/Location:** Old Colony Beach Association neighborhood, end of Hartung Place and Gorton Avenue, Old Lyme, CT 06371

---

**Waters:** Long Island Sound

---

**Authorizing CT Statute(s) and/or Federal Law:** CGS Section 22a-359 to 363g; CGS Section 22a-90 to 112

---

**Applicable Regulations of CT State Agencies:**

---

**Agency Contact:** Land & Water Resources Division,  
Bureau of Water Protection & Land Reuse, 860-424-3019

---

**License Expiration:** Five (5) years from the date of issuance of this license.

---

**Project Site Plan Set:** *OCBA Sewers and Association Improvements, Old Lyme, Connecticut, 19 selected sheets prepared by Fuss & O'Neill, dated August 2021.*

---

**License Enclosures:** LWRD Compliance Certification Form; Land Record Filing; Site Plan Set; LWRD Work Commencement Form; LWRD General Conditions

---

\*Connecticut's Uniform Administrative Procedure Act defines License to include, "*the whole or part of any agency permit, certificate, approval, registration, charter or similar form of permission required by law . . .*"

**Authorized Activities:**

The Licensee is hereby authorized to conduct the following work as described in application # 202409389 and as depicted on any site plan sheets/sets cited herein:

1. Install a turbidity curtain (approximately 75 LF and 4 ft depth) and appropriate erosion and sedimentation controls.
2. Install a new 24-inch stormwater RCP outfall next to the existing outfall at CJL.
  - a. 40ft long at 0.1% slope.
3. Install a check valve to the new RCP outfall as indicated in the plans (Sheet #CG-214).
4. Dismantle and reassemble the existing armoring at the outfall.
5. Add new stone armoring rip rap at the bottom of the existing and new outfalls.
6. Remove erosion and sedimentation controls and stabilize disturbed areas.

***Failure to comply with the terms and conditions of this license shall subject the Licensee and/or the Licensee's contractor(s) to enforcement actions and penalties as provided by law.***

**This license is subject to the following Terms and Conditions:**

1. **License Enclosure(s) and Conditions.** The Licensee shall comply with all applicable terms and conditions as may be stipulated within the License Enclosure(s) listed above.
2. **Height of Tide Restriction.** All work authorized herein shall be conducted using land-based equipment during periods of lower water to minimize sedimentation.
3. **Turbidity Curtain.** Prior to the commencement of work authorized herein, the Licensee shall install turbidity curtains extending from the water surface to the substrate around the work area. Such erosion and sediment control structures shall be maintained in optimal operating condition until project completion at which time the erosion and sediment controls shall be removed to an upland location.
4. **Equipment and Stockpile Location Restriction.** At no time shall equipment or material stockpiles be staged over or within tidal wetland(s) or submerged aquatic vegetation area(s). Stockpiles must be stored in upland areas above the Coastal Jurisdiction Line (CJL).
5. **Other Approvals.** Prior to the commencement of the work authorized herein the Licensee shall obtain all appropriate local, state, and federal authorizations as necessary.

Issued under the authority of the Commissioner of Energy and Environmental Protection on:

---

Date

---

Emma Cimino  
Deputy Commissioner  
Environmental Quality Branch



## **LWRD General Conditions**

- 1. Land Record Filing (for *Structures Dredging & Fill, Tidal Wetlands, Certificate of Permission, and Long Island Sound General Permit* Licenses only).** The Licensee shall file the Land Record Filing on the land records of the municipality in which the subject property is located not later than thirty (30) days after license issuance pursuant to Connecticut General Statutes (CGS) Section 22a-363g. A copy of the Notice with a stamp or other such proof of filing with the municipality shall be submitted to [DEEP.LWRDRegulatory@ct.gov](mailto:DEEP.LWRDRegulatory@ct.gov) no later than sixty (60) days after license issuance. If a Land Record Filing form is not enclosed and the work site is not associated with an upland property, no filing is required.
- 2. Contractor Notification.** The Licensee shall give a copy of the license and its attachments to the contractor(s) who will be carrying out the authorized activities prior to the start of construction and shall receive a written receipt for such copy, signed and dated by such contractor(s). The Licensee's contractor(s) shall conduct all operations at the site in full compliance with the license and, to the extent provided by law, may be held liable for any violation of the terms and conditions of the license. At the work site, the contractor(s) shall, whenever work is being performed, have on site and make available for inspection a copy of the license and the authorized plans.
- 3. Work Commencement<sup>1</sup>.** Not later than two (2) weeks prior to the commencement of any work authorized herein, the Licensee shall submit to [DEEP.LWRDRegulatory@ct.gov](mailto:DEEP.LWRDRegulatory@ct.gov), on the Work Commencement Form attached hereto, the name(s) and address(es) of all contractor(s) employed to conduct such work and the expected date for commencement and completion of such work, if any.
  - For water diversion activities authorized pursuant to 22a-377(c)-1 of the Regulations of Connecticut State Agencies, the Licensee shall also notify the Commissioner in writing two weeks prior to initiating the authorized diversion.
  - For emergency activities authorized pursuant Connecticut General Statutes Section 22a-6k, the Licensee shall notify the Commissioner, in writing, of activity commencement at least one (1) day prior to construction and of activity completion no later than five (5) days after conclusion.
- 4. For Coastal Licenses Only - License Notice.** The Licensee shall post the first page of the License in a conspicuous place at the work area while the work authorized therein is undertaken.
- 5. Unauthorized Activities.** Except as specifically authorized, no equipment or material, including but not limited to, fill, construction materials, excavated material or debris, shall be

<sup>1</sup> The Work Commencement condition and the need for a Work Commencement Form is not applicable to Flood Management Certification approvals.

deposited, placed or stored in any wetland or watercourse on or off-site. The Licensee may not conduct work within wetlands or watercourses other than as specifically authorized, unless otherwise authorized in writing by the Commissioner. Tidal wetlands means “wetland” as defined by section 22a-29 and “freshwater wetlands and watercourses” means “wetlands” and “watercourses” as defined by section 22a-38.

- 6. Management of Materials.** Any materials removed from the site shall be managed in accordance with all federal, state, and local requirements, including Chapter 446K Water Pollution Control, Chapter 445 Hazardous Waste, and Chapter 446d Solid Waste of the Connecticut General Statutes.
- 7. Unconfined Instream Work.** Unless otherwise noted in a condition of the license, the following conditions apply to projects in non-coastal waters:
  - Unconfined instream work is limited to the period June 1 through September 30.
  - Confinement of a work area by cofferdam techniques using sand bag placement, sheet pile installation (vibratory method only), portadam, or similar confinement devices is allowed any time of the year. The removal of such confinement devices is allowed any time of the year.
  - Once a work area has been confined, in-water work within the confined area is allowed any time of the year.
  - The confinement technique used shall completely isolate and protect the confined area from all flowing water. The use of silt boom/curtain or similar technique as a means for confinement is prohibited.
- 8. For State Actions Only - Material or Equipment Storage in the Floodplain.** Unless approved by a Flood Management Exemption, the storage of any materials at the site which are buoyant, hazardous, flammable, explosive, soluble, expansive, radioactive, or which could in the event of a flood be injurious to human, animal or plant life, below the elevation of the five-hundred (500) year flood is prohibited. Any other material or equipment stored at the site below said elevation by the Licensee or the Licensee's contractor must be firmly anchored, restrained or enclosed to prevent flotation. The quantity of fuel stored below such elevation for equipment used at the site shall not exceed the quantity of fuel that is expected to be used by such equipment in one day. In accordance with the licensee's Flood Contingency Plan, the Licensee shall remove equipment and materials from the floodplain during periods when flood warnings have been issued or are anticipated by a responsible federal, state or local agency. It shall be the Licensee's responsibility to obtain such warnings when flooding is anticipated.
- 9. Temporary Hydraulic Facilities for Water Handling.** If not reviewed and approved as a part of the license application, temporary hydraulic facilities shall be designed by a qualified professional and in accordance with the *Connecticut Guidelines for Soil Erosion and Sediment Control*, the *2004 Connecticut Stormwater Quality Manual*, or the *Department of Transportation's ConnDOT Drainage Manual*, as applicable. Temporary hydraulic facilities may include channels, culverts or bridges which are required for haul roads, channel relocations, culvert installations, bridge construction, temporary roads, or detours.

**10. Excavated Materials.** Unless otherwise authorized, all excavated material shall be staged and managed in a manner which prevents additional impacts to wetlands and watercourses.

**11. Best Management Practices.** The Licensee shall not cause or allow pollution of any wetlands or watercourses, including pollution resulting from sedimentation and erosion. In constructing or maintaining any authorized structure or facility or conducting any authorized activity, or in removing any such structure or facility, the Licensee shall employ best management practices to control storm water discharges, to prevent erosion and sedimentation, and to otherwise prevent pollution of wetlands and other waters of the State. For purposes of the license, “pollution” means “pollution” as that term is defined by CGS section 22a-423. Best Management Practices include, but are not limited, to practices identified in the *Connecticut Guidelines for Soil Erosion and Sediment Control* as revised, 2004 *Connecticut Stormwater Quality Manual*, Department of Transportation’s *ConnDOT Drainage Manual* as revised, and the Department of Transportation Standard Specifications as revised.

**12. In-Water Work Vessel Staging and Storage. (for Structures Dredging & Fill, Tidal Wetlands, Certificate of Permission, and Long Island Sound General Permit Licenses only).** For any barge, vessel, skiff or floating work platform (“work vessels”) utilized in the execution of the work authorized herein, the Licensee shall ensure that such work vessels:

- do not rest on, or come in contact with, the substrate at any time, unless specifically authorized in the license.
- are not stored over intertidal flats, submerged aquatic vegetation or tidal wetland vegetation or in a location that interferes with navigation. In the event any work vessel is grounded, no dragging or prop dredging shall occur to free it.

**13. Work Site Restoration.** Upon completion of any authorized work, the Licensee shall restore all areas impacted by construction, or used as a staging area or accessway in connection with such work, to their condition prior to the commencement of such work.

**14. Inspection.** The Licensee shall allow any representative of the Commissioner to inspect the project location at reasonable times to ensure that work is being or has been conducted in accordance with the terms and conditions of this license.

**15. Change of Use. (Applies only if a use is specified within the License “*Project Description*”)**

- a. The work specified in the license is authorized solely for the purpose set forth in the license. No change in purpose or use of the authorized work or facilities as set forth in the license may occur without the prior written approval of the Commissioner. The Licensee shall, prior to undertaking or allowing any change in use or purpose from that which is authorized by this license, request permission from the Commissioner for such change. Said request shall be in writing and shall describe the proposed change and the reason for the change.
- b. A change in the form of ownership of any structure authorized herein from a rental/lease commercial marina to a wholly-owned common interest community or dockominium may constitute a change in purpose as specified in paragraph (a) above.

**16. De Minimis Alteration.** The Licensee shall not deviate from the authorized activity without

prior written approval from the Commissioner. The Licensee may request a de minimis change to any authorized structure, facility, or activity. A de minimis alteration means a change in the authorized design, construction or operation that individually and cumulatively has minimal additional environmental impact and does not substantively alter the project as authorized.

- For diversion activities authorized pursuant to 22a-377(c)-2 of the Regulations of Connecticut State Agencies, a de minimis alteration means an alteration which does not significantly increase the quantity of water diverted or significantly change the capacity to divert water.

**17. Extension Request.** The Licensee may request an extension of the license expiration date. Such request shall be in writing and shall be submitted to [DEEP.LWRDRegulatory@ct.gov](mailto:DEEP.LWRDRegulatory@ct.gov) at least thirty (30) days prior to the license expiration. Such request shall describe the work done to date, what work still needs to be completed, and the reason for such extension. The Commissioner may extend the expiration date of this license for a period of up to one year, in order for the Licensee to complete the authorized activities. It shall be at the Commissioner's sole discretion to grant or deny such request. No more than three (3) one-year extensions will be granted under this license.

**18. Compliance Certification.** Not later than 90 days after completion of the authorized work, the Licensee shall prepare and submit to [DEEP.LWRDRegulatory@ct.gov](mailto:DEEP.LWRDRegulatory@ct.gov), the attached Compliance Certification Form. Such Compliance Certification shall be completed, signed, and sealed by the Licensee and a Connecticut Licensed Design Professional. If non-compliance is indicated on the form, or the Commissioner has reason to believe the activities and/or structures were conducted in non-compliance with the license, the Commissioner may require the Licensee to submit as-built plans as a condition of this license.

**19. Maintenance.** The Licensee shall maintain all authorized structures or work in optimal condition or shall remove such structures or facility and restore the affected waters to their pre-work condition. Any such maintenance or removal activity shall be conducted in accordance with applicable law and any additional approvals required by law.

**20. No Work After License Expiration.** Work conducted after the license expiration date is a violation of the license and may subject the licensee to enforcement action, including penalties, as provided by law.

**21. License Transfer.** The license is not transferable without prior written authorization of the Commissioner. A request to transfer a license shall be submitted in writing and shall describe the proposed transfer and the reason for such transfer. The Licensee's obligations under the license shall not be affected by the passage of title to the license site to any other person or municipality until such time as a transfer is approved by the Commissioner.

**22. Document Submission.** Any document required to be submitted to the Commissioner under the license or any contact required to be made with the Commissioner shall, unless otherwise specified in writing by the Commissioner, be directed to:

[DEEP.LWRDRegulatory@ct.gov](mailto:DEEP.LWRDRegulatory@ct.gov) or

Regulatory Section  
Land & Water Resources Division  
Department of Energy and Environmental Protection  
79 Elm Street  
Hartford, Connecticut 06106-5127  
860-424-3019

**23. Date of Document Submission.** The date of submission to the Commissioner of any document required by the license shall be the date such document is received by the Commissioner. The date of any notice by the Commissioner under the license, including but not limited to notice of approval or disapproval of any document or other action, shall be the date such notice is personally delivered or the date three (3) days after it is mailed by the Commissioner, whichever is earlier. Except as otherwise specified in the license, the word "day" as used in the license means calendar day. Any document or action which is required by the license to be submitted or performed by a date which falls on a Saturday, Sunday or a Connecticut or federal holiday shall be submitted or performed on or before the next day which is not a Saturday, Sunday, or a Connecticut or federal holiday.

**24. Certification of Documents.** Any document, including but not limited to any notice, which is required to be submitted to the Commissioner under the license shall be signed by the Licensee and by the individual or individuals responsible for actually preparing such document, each of whom shall certify in writing as follows: "I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statement made in this document or its attachments may be punishable as a criminal offense."

**25. Accuracy of Documentation.** In evaluating the application for the license, the Commissioner has relied on information and data provided by the Licensee and on the Licensee's representations concerning site conditions, design specifications and the proposed work, including but not limited to representations concerning the commercial, public or private nature of the work or structures, the water-dependency of said work or structures, its availability for access by the general public, and the ownership of regulated structures or filled areas. If such information proves to be false, deceptive, incomplete or inaccurate, the license may be modified, suspended or revoked, and any unauthorized activities may be subject to enforcement action.

**26. Limits of Liability.** In granting the license, the Commissioner has relied on all representations of the Licensee, including information and data provided in support of the Licensee's application. Neither the Licensee's representations nor the issuance of the license shall constitute an assurance by the Commissioner as to the structural integrity, the engineering feasibility or the efficacy of such design.

**27. Reporting of Violations.** In the event that the Licensee becomes aware that they did not or may not comply, or did not or may not comply on time, with any provision of this license or of any document incorporated into the license, the Licensee shall immediately notify the

agency contact specified within the license and shall take all reasonable steps to ensure that any noncompliance or delay is avoided or, if unavoidable, is minimized to the greatest extent possible. In so notifying the agency contact, the Licensee shall provide, for the agency's review and written approval, a report including the following information:

- a. the provision(s) of the license that has been violated;
- b. the date and time the violation(s) was first observed and by whom;
- c. the cause of the violation(s), if known;
- d. if the violation(s) has ceased, the duration of the violation(s) and the exact date(s) and times(s) it was corrected;
- e. if the violation(s) has not ceased, the anticipated date when it will be corrected;
- f. steps taken and steps planned to prevent a reoccurrence of the violation(s) and the date(s) such steps were implemented or will be implemented; and
- g. the signatures of the Licensee and of the individual(s) responsible for actually preparing such report.

If the violation occurs outside of normal business hours, the Licensee shall contact the Department of Energy and Environmental Protection Emergency Dispatch at 860-424-3333. The Licensee shall comply with any dates which may be approved in writing by the Commissioner.

**28. Revocation/Suspension/Modification.** The license may be revoked, suspended, or modified in accordance with applicable law.

**29. Other Required Approvals.** License issuance does not relieve the Licensee of their obligations to obtain any other approvals required by applicable federal, state and local law.

**30. Rights.** The license is subject to and does not derogate any present or future property rights or powers of the State of Connecticut, and conveys no property rights in real estate or material nor any exclusive privileges, and is further subject to any and all public and private rights and to any federal, state or local laws or regulations pertinent to the property or activity affected hereby.

**31. Condition Conflicts.** In the case where a project specific special condition listed on the license differs from, or conflicts with, one of the general conditions listed herein, the project specific special condition language shall prevail. It is the licensee's responsibility to contact the agency contact person listed on the license for clarification if needed prior to conducting any further regulated activities.

# OCBCA SEWERS AND ASSOCIATION IMPROVEMENTS

OLD LYME, CONNECTICUT

AUGUST 2021

PREPARED FOR  
OLD COLONY  
BEACH CLUB ASSOCIATION  
OLD LYME, CT



## SHEET INDEX

SHEET No.	SHEET TITLE
GI-201	COVER SHEET
GI-202	GENERAL NOTES AND LEGEND
GI-203	SHEET INDEX
GC-201	WELL AND WATER SOURCE INFORMATION
BOR-201 - BOR-204	BORING AND PROBE LOGS
BOR-205	TEST PIT LOGS
EAS-201	8 HARTUNG PLACE EASEMENT MAP
EAS-206	76 OLD COLONY ROAD EASEMENT MAP
EAS-207	45 BREEN AVENUE
EAS-209	13 GORTON AVENUE
EAS-210	19 BREEN AVENUE
CE-201 - CE-202	EROSION AND SEDIMENTATION CONTROL LAYOUT
CL-201 - CL-202	ROADWAY LAYOUT
CU-201	HARTUNG PLACE PLAN & PROFILE - SEWER STA. 480+00 - 488+20
CU-202	PURTILL AVENUE PLAN & PROFILE - SEWER STA. 490+00 - 498+19
CU-203	MAPLE AVENUE PLAN & PROFILE - SEWER STA. 500+00 - 508+19
CU-204	BROUGHEL AVENUE PLAN & PROFILE - SEWER STA. 510+00 - 518+24
CU-205	GROVE AVENUE PLAN & PROFILE - SEWER STA. 520+00 - 528+17
CU-206	BROOKSIDE AVENUE PLAN & PROFILE - SEWER STA. 529+25 - 541+00
CU-207	BROOKSIDE AVENUE PLAN & PROFILE - SEWER STA. 541+00 - 550+14
CU-208	GORTON AVENUE PLAN & PROFILE - SEWER STA. 555+00 - 566+00
CU-209	GORTON AVENUE PLAN & PROFILE - SEWER STA. 566+00 - 575+36
CU-210	BREEN AVENUE PLAN & PROFILE - SEWER STA. 580+00 - 591+00
CU-211	BREEN AVENUE PLAN & PROFILE - SEWER STA. 591+00 - 600+00
CU-212	OLD COLONY ROAD PLAN & PROFILE - SEWER STA. 605+00 - 616+00
CU-213	OLD COLONY ROAD PLAN & PROFILE - SEWER STA. 616+00 - 625+80
CU-214	SHEFFIELD BROOK OUTFALL PLAN AND SECTIONS
CD-201	EROSION AND SEDIMENTATION CONTROL DETAILS
CD-202 - CD-206	SANITARY SEWER DETAILS
CD-207	STORM DRAINAGE DETAILS
CD-208	PAVEMENT & RESTORATION STANDARD DETAILS
CD-209	PAVEMENT DETAILS

## SHEET INDEX

SHEET No.	SHEET TITLE
CG-201	HARTUNG PLACE PLAN & PROFILE - DRAINAGE AND GRADING STA. 480+00 - 488+20
CG-202	PURTILL AVENUE PLAN & PROFILE - DRAINAGE AND GRADING STA. 490+00 - 498+19
CG-203	MAPLE AVENUE PLAN & PROFILE - DRAINAGE AND GRADING STA. 500+00 - 508+19
CG-204	BROUGHEL AVENUE PLAN & PROFILE - DRAINAGE AND GRADING STA. 510+00 - 518+24
CG-205	GROVE AVENUE PLAN & PROFILE - DRAINAGE AND GRADING STA. 520+00 - 528+17
CG-206	BROOKSIDE AVENUE PLAN & PROFILE - DRAINAGE AND GRADING STA. 529+25 - 541+00
CG-207	BROOKSIDE AVENUE PLAN & PROFILE - DRAINAGE AND GRADING STA. 541+00 - 550+14
CG-208	GORTON AVENUE PLAN & PROFILE - DRAINAGE AND GRADING STA. 555+00 - 566+00
CG-209	GORTON AVENUE PLAN & PROFILE - DRAINAGE AND GRADING STA. 566+00 - 575+36
CG-210	BREEN AVENUE PLAN & PROFILE - DRAINAGE AND GRADING STA. 580+00 - 591+00
CG-211	BREEN AVENUE PLAN & PROFILE - DRAINAGE AND GRADING STA. 591+00 - 600+00
CG-212	OLD COLONY ROAD PLAN & PROFILE - DRAINAGE AND GRADING STA. 605+00 - 616+00
CG-213	OLD COLONY ROAD PLAN & PROFILE - DRAINAGE AND GRADING STA. 616+00 - 625+80
CG-214	SHEFFIELD BROOK OUTFALL PLAN AND SECTIONS
CD-201	EROSION AND SEDIMENTATION CONTROL DETAILS
CD-202 - CD-206	SANITARY SEWER DETAILS
CD-207	STORM DRAINAGE DETAILS
CD-208	PAVEMENT & RESTORATION STANDARD DETAILS
CD-209	PAVEMENT DETAILS

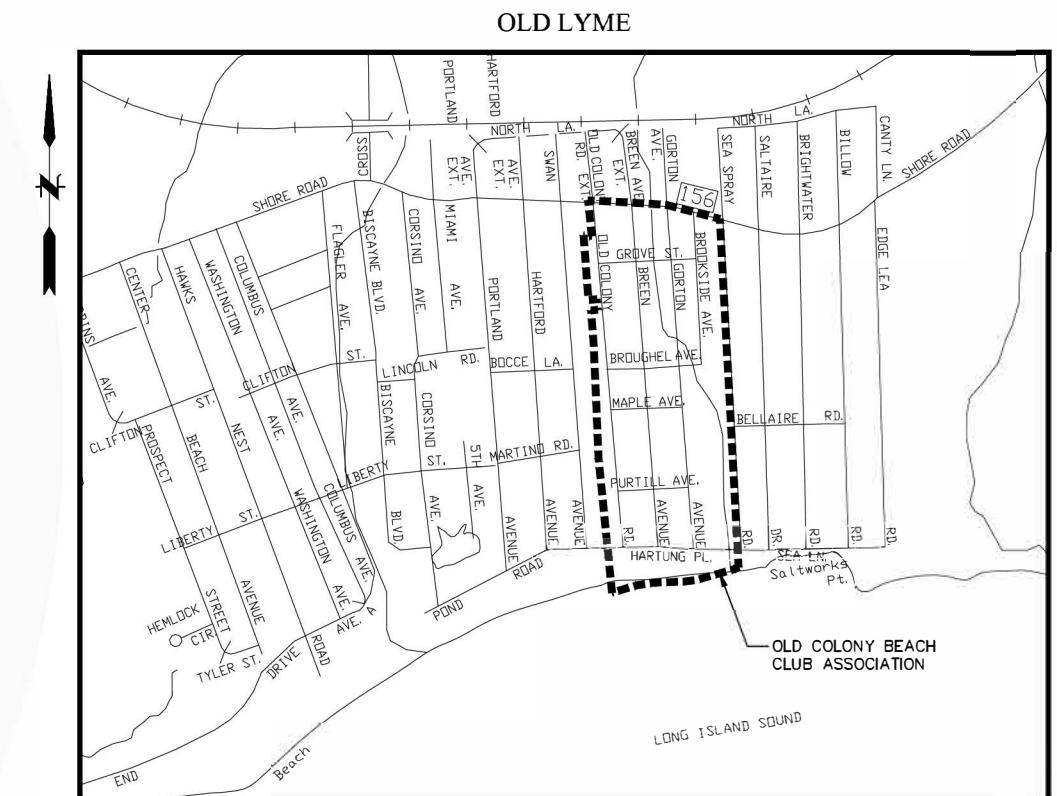
## PREPARED BY



146 HARTFORD ROAD  
MANCHESTER, CONNECTICUT 06040  
860.646.2469  
www.fando.com



425 Sullivan Avenue  
PO Box 1167  
South Windsor, CT 06074  
860 291-8755 Fax 860 291-8757  
www.designprofessionalsinc.com



## LOCATION MAP

SCALE: 1" = 500'

PROJ. No.: 20101210.B20  
DATE: AUGUST 2021

GI-201

#### CIVIL GENERAL NOTES

##### GENERAL

- SYMBOLS AND LEGENDS OF PROJECT FEATURES ARE GRAPHIC REPRESENTATIONS AND ARE NOT NECESSARILY SHOWN ON THE DRAWINGS TO SCALE OR TO THEIR ACTUAL DIMENSION OR LOCATION. COORDINATE DETAIL SHEET DIMENSIONS, MANUFACTURERS' LITERATURE, SHOP DRAWINGS AND FIELD MEASUREMENTS OF SUPPLIED PRODUCTS FOR LAYOUT OF THE PROJECT FEATURES.
- DO NOT RELY SOLELY ON ELECTRONIC VERSIONS OF DRAWINGS, SPECIFICATIONS, AND DATA FILES THAT ARE PROVIDED BY THE ENGINEER. FIELD VERIFY LOCATION OF PROJECT FEATURES.
- PERFORM NECESSARY CONSTRUCTION NOTIFICATIONS, APPLY FOR AND OBTAIN NECESSARY PERMITS, PAY FEES, AND POST BONDS ASSOCIATED WITH THE WORK AS REQUIRED BY THE CONTRACT DOCUMENTS.
- BASE PLAN: THE PROPERTY LINES SHOWN WERE DETERMINED BY AN ACTUAL FIELD SURVEY CONDUCTED BY DESIGN PROFESSIONALS INC. AND FROM PLANS OF RECORD. THE TOPOGRAPHY AND PHYSICAL FEATURES ARE BASED ON AN ACTUAL FIELD SURVEY PERFORMED ON THE GROUND BY DESIGN PROFESSIONALS INC. AND AERIAL SERVICES PERFORMED BY ROBINSON AERIAL DURING 2019.
- TOPOGRAPHIC ELEVATIONS ARE BASED ON NAVD88 DATUM.
- GEOTECHNICAL DATA INCLUDING BORING LOCATIONS AND ELEVATIONS WERE OBTAINED FROM CLARENCE WELTI ASSOCIATES INC. IN 2019. CONFIRMATORY BORINGS PERFORMED MAY 2020 BY CLARENCE WELTI ASSOCIATES. TEST PIT LOCATIONS AND ELEVATIONS WERE OBTAIN BY FUSS AND O'NEILL INC. WITH R&R LANDSCAPING IN JANUARY 2020.
- WETLANDS WERE DELINEATED BY FUSS AND O'NEILL INC. ON JULY 1, 2019 AND NOVEMBER 13, 2019.

##### WORK RESTRICTIONS

- DO NOT CLOSE OR OBSTRUCT ROADWAYS, SIDEWALKS, FIRE HYDRANTS, AND UTILITIES WITHOUT APPROPRIATE PERMITS.
- WORK IS RESTRICTED TO THE HOURS OF 7:00 AM TO 5:00 PM ON MONDAY THROUGH FRIDAY

##### REGULATORY REQUIREMENTS

- WITHIN LOCAL RIGHTS-OF-WAY, PERFORM THE WORK IN ACCORDANCE WITH LOCAL STANDARDS.
- WITHIN STATE RIGHTS-OF-WAY, PERFORM THE WORK IN ACCORDANCE WITH THE LATEST EDITION OF THE DEPARTMENT OF TRANSPORTATION'S STANDARD SPECIFICATIONS AND ISSUED REVISIONS/SUPPLEMENTS.
- PROVIDE TRAFFIC SIGNAGE AND PAVEMENT MARKINGS IN CONFORMANCE WITH THE LATEST EDITION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
- BE RESPONSIBLE FOR SITE SECURITY AND JOB SAFETY. PERFORM CONSTRUCTION ACTIVITIES IN ACCORDANCE WITH OSHA STANDARDS AND LOCAL REQUIREMENTS.
- DISPOSE OF DEMOLITION DEBRIS IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS, ORDINANCES AND STATUTES.
- THIS PROJECT DISTURBS MORE THAN ONE ACRE OF LAND AND FALLS WITHIN THE CONNECTICUT DEEP STORMWATER AND DEWATERING WASTEWATER FROM CONSTRUCTION ACTIVITIES GENERAL PERMIT PROCESS. (OLD COLONY BEACH CLUB ASSOCIATION) HAS SUBMITTED INFORMATION TO THE DEEP TO SATISFY THIS GENERAL PERMIT. THE CONTRACTOR MUST HAVE A COPY OF THIS GENERAL PERMIT ON SITE AT ALL TIMES.

##### EROSION AND SEDIMENT CONTROL

- INSTALL EROSION CONTROL MEASURES PRIOR TO STARTING ANY WORK ON THE SITE. REFER TO THE WETLANDS AND EROSION CONTROL MAPS.
- IMPLEMENT ALL NECESSARY MEASURES REQUIRED TO CONTROL STORMWATER RUNOFF, DUST, SEDIMENT, AND DEBRIS FROM EXITING THE SITE. PERFORM CORRECTIVE ACTION AS NEEDED FOR EROSION CLEANUP AND REPAIRS TO OFF SITE AREAS, IF ANY, AT NO COST TO OWNER.
- INSPECT AND MAINTAIN EROSION CONTROL MEASURES PER THE SCHEDULE IN THE WETLANDS AND EROSION CONTROL MAPS. DISPOSE OF SEDIMENT IN AN UPLAND AREA. DO NOT ENCUMBER OTHER DRAINAGE STRUCTURES AND PROTECTED AREAS.
- PERFORM CONSTRUCTION SEQUENCING IN SUCH A MANNER TO CONTROL EROSION AND TO MINIMIZE THE TIME THAT EARTH MATERIALS ARE EXPOSED BEFORE THEY ARE COVERED, SEDED, OR OTHERWISE STABILIZED.
- UPON COMPLETION OF CONSTRUCTION AND ESTABLISHMENT OF PERMANENT GROUND COVER, REMOVE AND DISPOSE OF TEMPORARY EROSION CONTROL MEASURES. CLEAN SEDIMENT AND DEBRIS FROM TEMPORARY MEASURES AND FROM PERMANENT STORM DRAIN AND SANITARY SEWER SYSTEMS.

##### DEMOLITION

- REMOVE AND DISPOSE OF EXISTING UTILITIES, FOUNDATIONS AND UNSUITABLE MATERIAL BENEATH AND WITHIN THE PROPOSED PROJECT AREA.

#### CONSTRUCTION LAYOUT

- PROVIDE PROPER TRANSITIONS BETWEEN EXISTING AND PROPOSED SITE IMPROVEMENTS. FIELD VERIFY EXISTING PAVEMENT AND GROUND ELEVATIONS AT THE INTERFACE WITH PROPOSED PAVEMENTS AND DRAINAGE STRUCTURES BEFORE START OF CONSTRUCTION.
- PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION, FIELD VERIFY PROPOSED UTILITY ROUTES AND IDENTIFY ANY INTERFERENCES OR OBSTRUCTIONS WITH EXISTING UTILITIES OR PUBLIC RIGHTS-OF-WAY.
- IMMEDIATELY INFORM THE ENGINEER IN WRITING IF EXISTING UTILITY CONDITIONS CONFLICT OR DIFFER FROM THAT INDICATED AND IF THE WORK CANNOT BE COMPLETED AS INDICATED.
- DIMENSIONS ARE FROM FACE OF CURB, FACE OF BUILDING, FACE OF WALL, AND CENTER LINE OF PAVEMENT MARKINGS, UNLESS NOTED OTHERWISE.
- BOUNDS OR MONUMENTATION DISTURBED DURING CONSTRUCTION SHALL BE SET OR RESET BY A PROFESSIONAL LICENSED SURVEYOR.

#### EARTHWORK

- NOTIFY UTILITY LOCATOR SERVICE AT LEAST 72 HOURS BEFORE STARTING EXCAVATION.  
CT: "CALL BEFORE YOU DIG" AT 1-800-922-4455, 811, OR FILE AN E-TICKET AT [HTTPS://ONECALL.CBYD.COM/CT-B4-EN/REGISTERNEWUSER](https://ONECALL.CBYD.COM/CT-B4-EN/REGISTERNEWUSER)
- STOP WORK IN THE VICINITY OF SUSPECTED CONTAMINATED SOIL, GROUNDWATER OR OTHER MEDIA. IMMEDIATELY NOTIFY THE OWNER SO THAT APPROPRIATE TESTING AND SUBSEQUENT ACTION CAN BE TAKEN. RESUME WORK IN THE IMMEDIATE VICINITY ONLY UPON DIRECTION BY THE OWNER.

#### UTILITIES

- TERMINATE EXISTING UTILITIES IN CONFORMANCE WITH LOCAL, STATE AND INDIVIDUAL UTILITY COMPANY STANDARD SPECIFICATIONS AND DETAILS. COORDINATE UTILITY SERVICE DISCONNECTS WITH UTILITY REPRESENTATIVES.
- THE TYPE, SIZE AND LOCATION OF DEPICTED UNDERGROUND UTILITIES ARE APPROXIMATE REPRESENTATIONS OF INFORMATION OBTAINED FROM FIELD LOCATIONS OF VISIBLE FEATURES, EXISTING MAPS AND PLANS OF RECORD, UTILITY MAPPING, AND OTHER SOURCES OF INFORMATION OBTAINED BY THE ENGINEER. ASSUME NO GUARANTEE AS TO THE COMPLETENESS, SERVICEABILITY, EXISTENCE, OR ACCURACY OF UNDERGROUND FACILITIES. FIELD VERIFY THE EXACT LOCATIONS, SIZES, AND ELEVATIONS OF THE POINTS OF CONNECTIONS TO EXISTING UTILITIES. THE ENGINEER HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES.
- PAY ALL FEES AND COSTS ASSOCIATED WITH UTILITY MODIFICATIONS AND CONNECTIONS, REGARDLESS OF THE ENTITY THAT PERFORMS THE WORK.
- COORDINATE THE WORK AND WORK SCHEDULE WITH UTILITY COMPANIES. PROVIDE ADEQUATE NOTICE TO UTILITIES TO PREVENT DELAYS IN CONSTRUCTION.
- INTERIOR DIAMETERS OF STORM DRAIN AND SANITARY SEWER STRUCTURES SHALL BE DETERMINED BY THE PRECAST MANUFACTURER, BASED ON THE INDICATED PIPE SYSTEM LAYOUT AND LOCAL MUNICIPAL STANDARDS.  
MINIMUM INTERIOR DIAMETERS:  
0 TO 20 FEET DEEP: 4 FEET.  
20 FEET OR GREATER: 5 FEET.
- RIM ELEVATIONS FOR MANHOLES, VALVE COVERS, GATE AND PULL BOXES, AND OTHER STRUCTURES ARE APPROXIMATE. SET OR RESET RIM ELEVATIONS AS FOLLOWS:  
IN PAVEMENTS AND CONCRETE SURFACES: FLUSH  
IN SURFACES ALONG ACCESSIBLE ROUTES: FLUSH  
IN LANDSCAPE, SEDED, AND OTHER EARTH SURFACE AREAS: 1 INCH ABOVE SURROUNDING AREA; TAPER EARTH TO RIM ELEVATION.

#### PAVEMENT

- AT A MINIMUM, CONSTRUCT ACCESSIBLE ROUTES, PARKING SPACES, RAMPS, SIDEWALKS AND WALKWAYS IN CONFORMANCE WITH THE FEDERAL AMERICANS WITH DISABILITIES ACT AND WITH STATE AND LOCAL LAWS AND REGULATIONS (WHICHEVER ARE MORE STRINGENT).

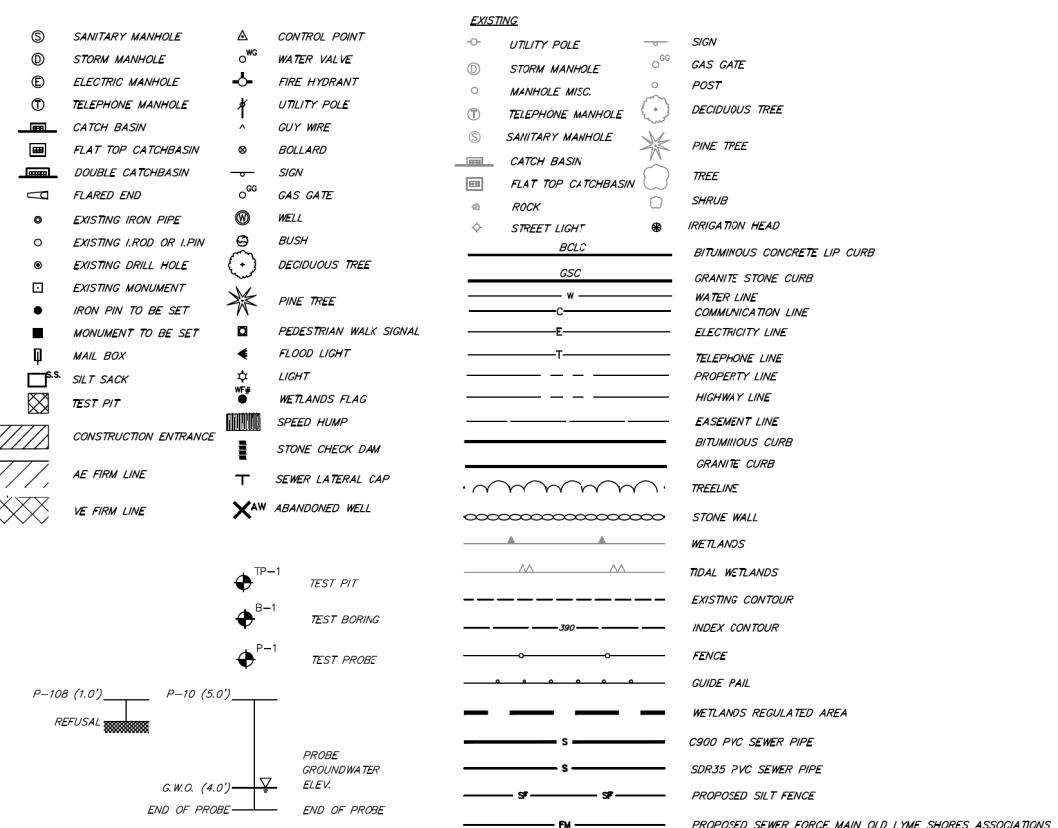
#### SITE RESTORATION

- PROVIDE 6 INCHES OF TOPSOIL AND SEED TO AREAS DISTURBED DURING CONSTRUCTION AND NOT DESIGNATED TO BE RESTORED WITH IMPERVIOUS SURFACES (BUILDINGS, PAVEMENTS, WALKS, ETC.) UNLESS OTHERWISE NOTED.
- REPAIR DAMAGES RESULTING FROM CONSTRUCTION LOADS, AT NO ADDITIONAL COST TO OWNER.
- RESTORE AREAS DISTURBED BY CONSTRUCTION OPERATIONS TO THEIR ORIGINAL CONDITION OR BETTER, AT NO ADDITIONAL COST TO OWNER.

#### ABBREVIATIONS

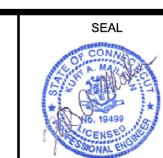
A.C.	ASBESTOS CEMENT	FF	FINISH FLOOR
ALUM.	ALUMINUM	G.V.	GATE VALVE
APPROX.	APPROXIMATE	H.P.	HIGH POINT
ARV	AIR RELEASE/ VACUUM VALVE	L.P.	LOW POINT
B-2	BORING NO.	LPS	LOW PRESSURE SEWER
BIT.	BITUMINOUS	LW	LAB WASTE
BLDG.	BUILDING	MAX.	MAXIMUM
BM	BENCH MARK	MBA	MIAMI BEACH ASSOCIATION
C.I.	CAST IRON	MIN.	MINIMUM
CLDIP	CEMENT LINED DUCTILE IRON PIPE	MJ	MECHANICAL JOINT
C.	CENTERLINE	NTS	NOT TO SCALE
CONC.	CONCRETE	OCBCA	OLD COLONY BEACH CLUB ASSOCIATION
CONN.	CONNECTION	O.D.	OUTSIDE DIAMETER
CB	CATCH BASIN	OLSPA	OLD LYME SHORES BEACH ASSOCIATION
CO	CLEANOUT	OS	OUTDOOR SHOWER
DBL. CB	DOUBLE CATCH BASIN	P-3	PROBE NO.
D.I.	DUCTILE IRON	PROPOSED	PROPOSED
DIA.	DIAMETER	PVC	POLYVINYL CHLORIDE
DIM.	DRAINAGE MANHOLE	RC	REINFORCED CONCRETE
E.C.L.	EROSION CONTROL LINING	RCP	REINFORCED CONCRETE PIPE
ECO	END CLEANOUT	RGS	SEDIMENTATION CONTROL SYSTEM
EL	ELEVATION	SCS	RIGID GALVANIZED STEEL
EOS.	END OF BORING	SCH.	SCHEDULE
EXIST.	EXISTING	SMH	SANITARY MANHOLE
EXP.	EXPANSION	STA.	STATION
FRP	FIBERGLASS REINFORCED POLYETHYLENE	DSMH	DROP SANITARY MANHOLE
G.W.O.	GROUNDWATER OBSERVED	TF	TOP OF FRAME
HDPE	HIGH DENSITY POLYETHYLENE	TYP.	TYPICAL
I.D.	INSIDE DIAMETER	VCP	VITRIFIED CLAY PIPE
INV.	INVERT	W/	WITH

#### LEGEND



1.	DATE	DESCRIPTION	DESIGNER	REVIEWER	SAL	MEG
No						

SEAL



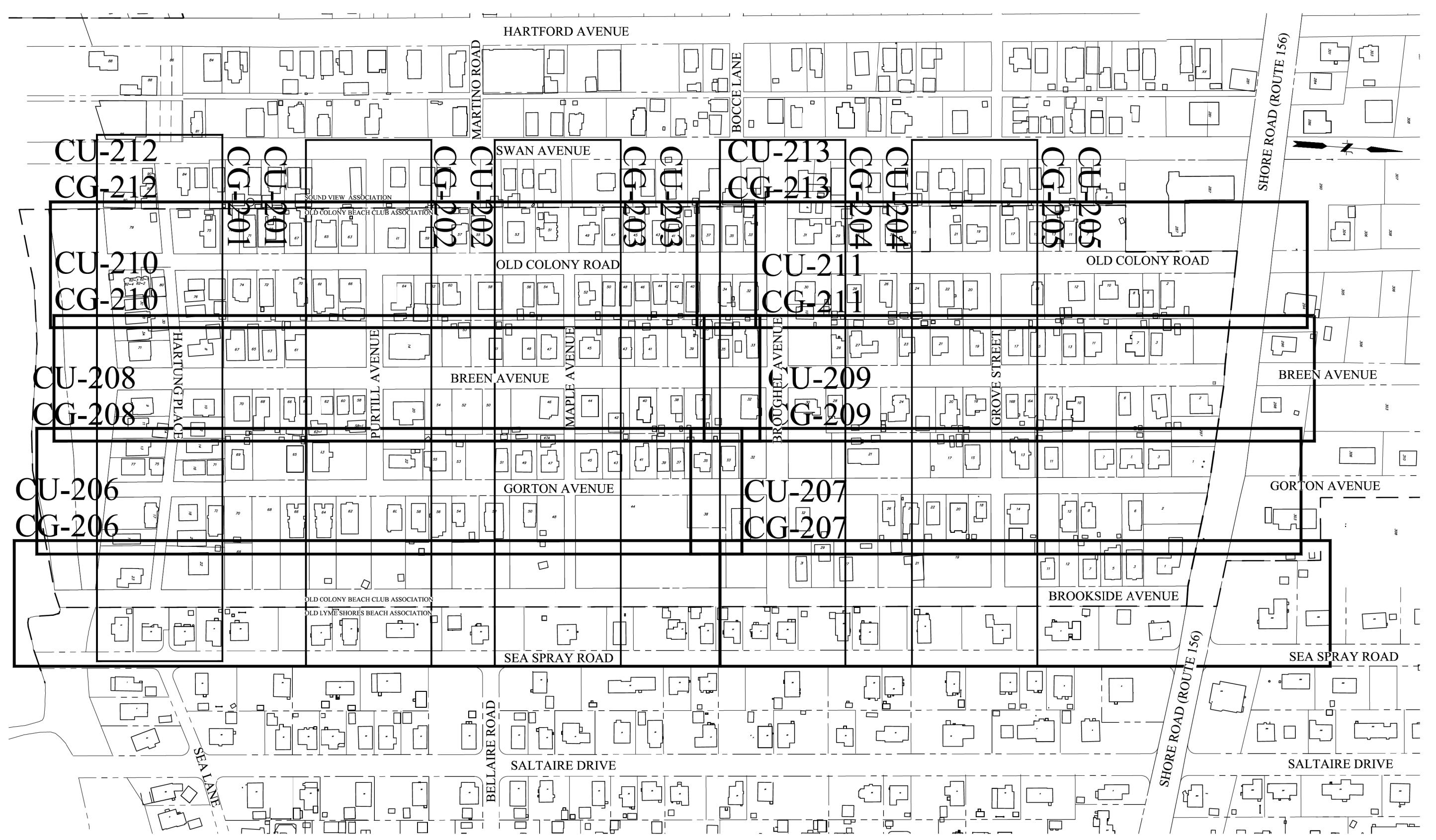
SCALE:  
HORZ.: NTS  
VERT.: NTS  
DATUM:  
HORZ.:  
VERT.:  
0  
GRAPHIC SCALE



**FUSS & O'NEILL**  
146 HARTFORD ROAD  
MANCHESTER, CONNECTICUT 06040  
860.646.2469  
www.fando.com

OCBCA SEWERS AND ASSOCIATION IMPROVEMENTS  
GENERAL NOTES & LEGEND  
OLD LYME BEACH CLUB ASSOCIATION  
OLD LYME  
CONNECTICUT

PROJ. No.: 20101210.E020  
DATE: AUGUST 2021  
GI-202



MS VIEW:	DESCRIPTION			SAL	MEG
	1.	DATE	DESIGNER		
No	DESCRIPTION	DESIGNER	REVIEWER	SAL	MEG

SEAL



SEAL

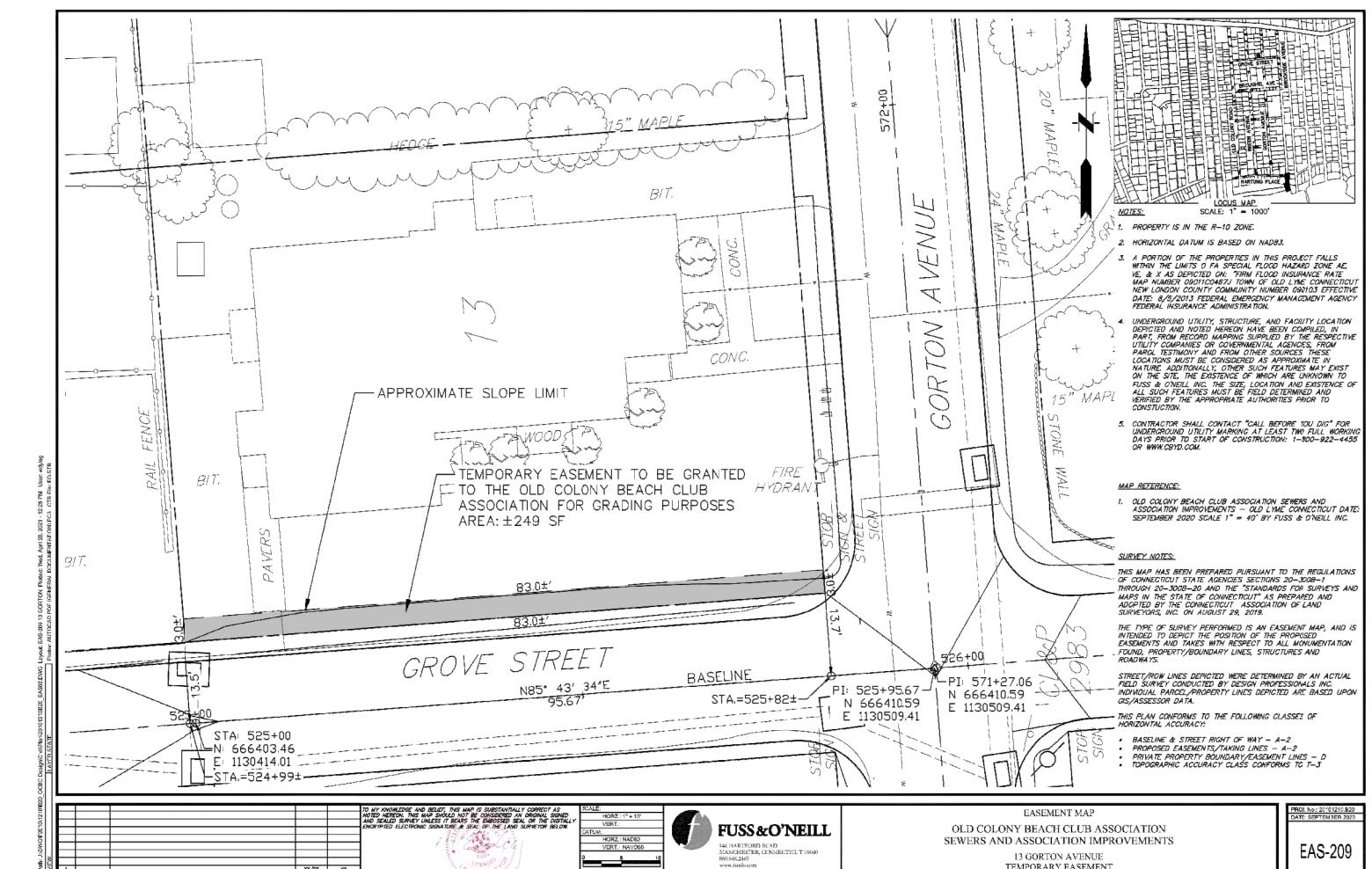
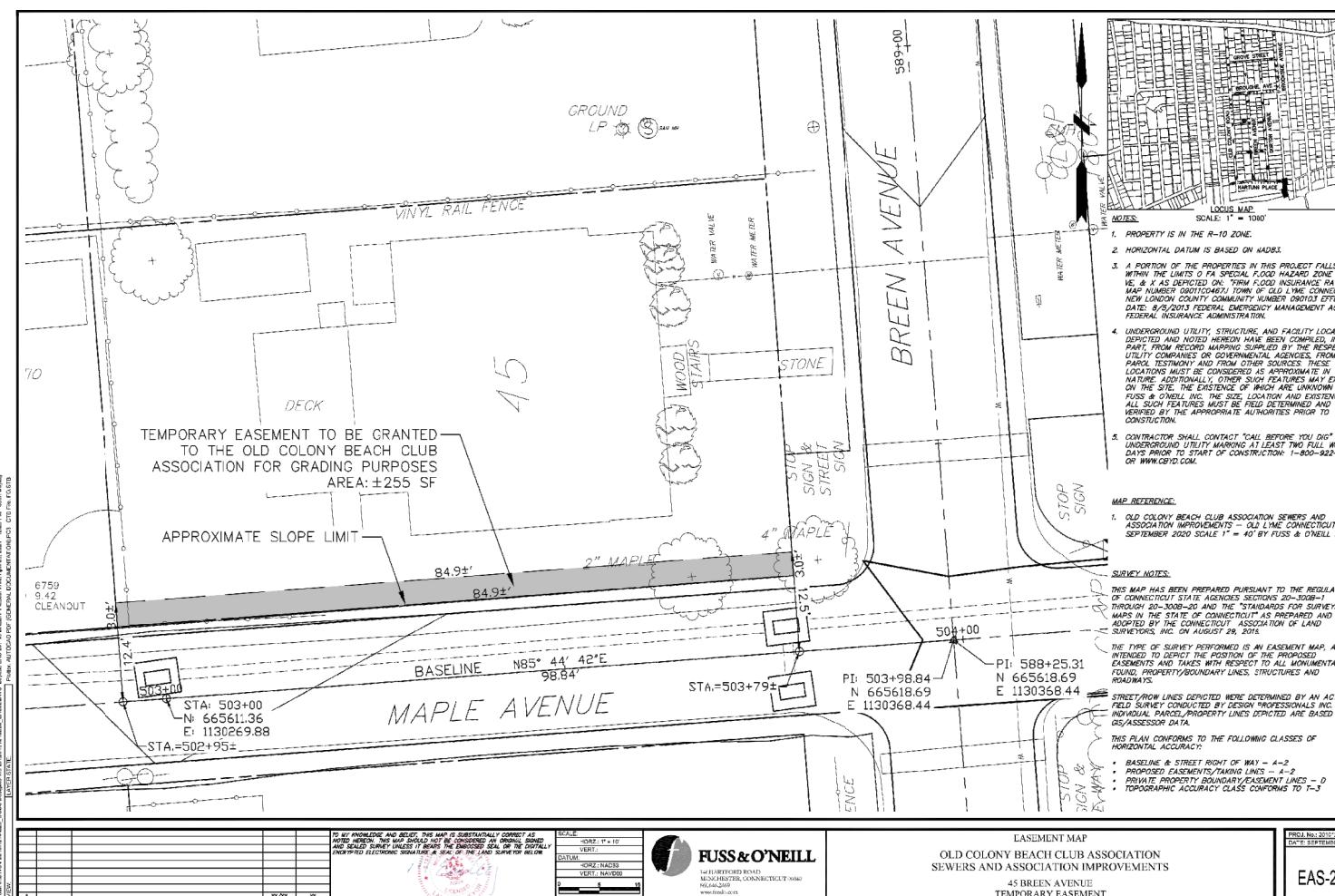
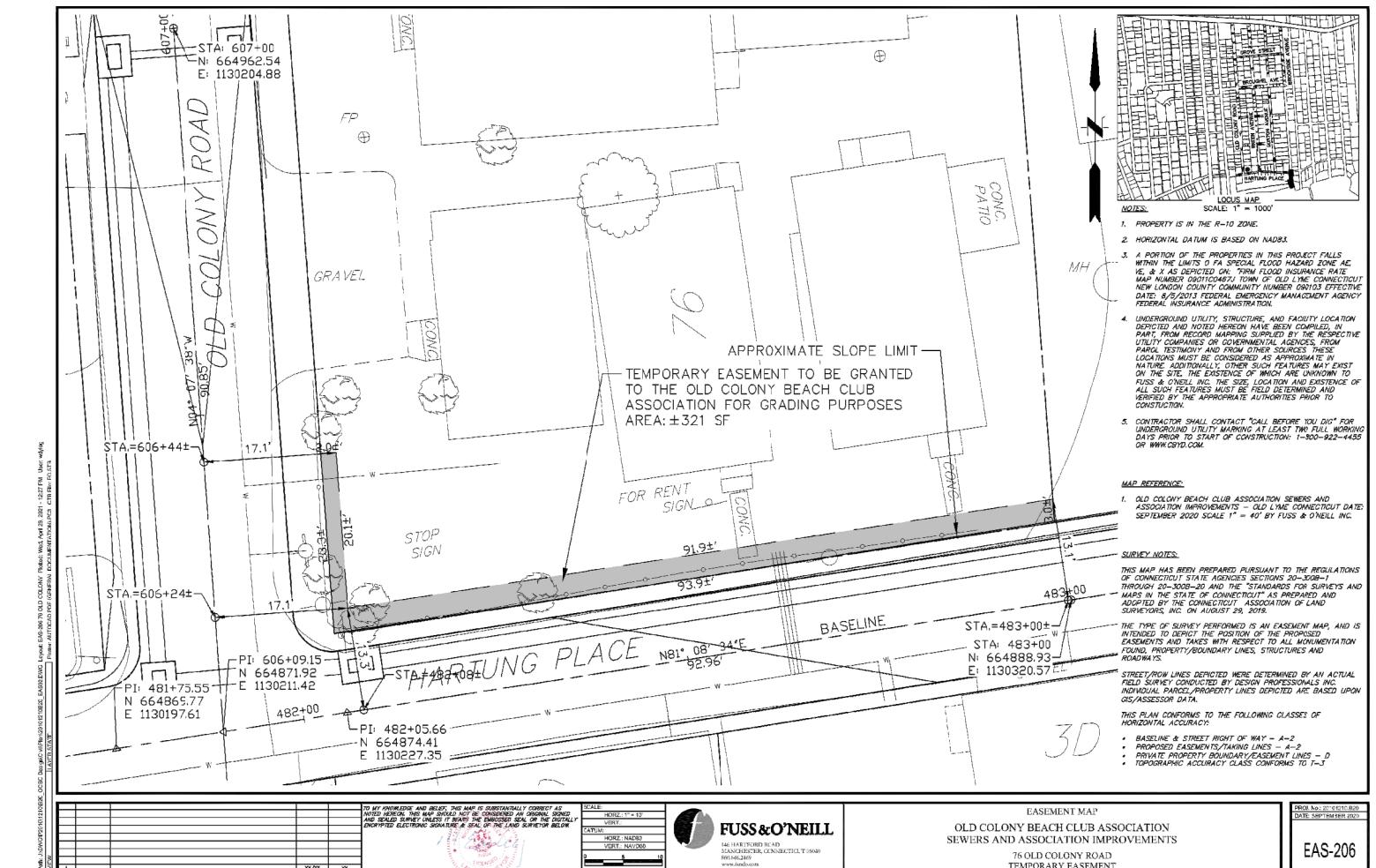
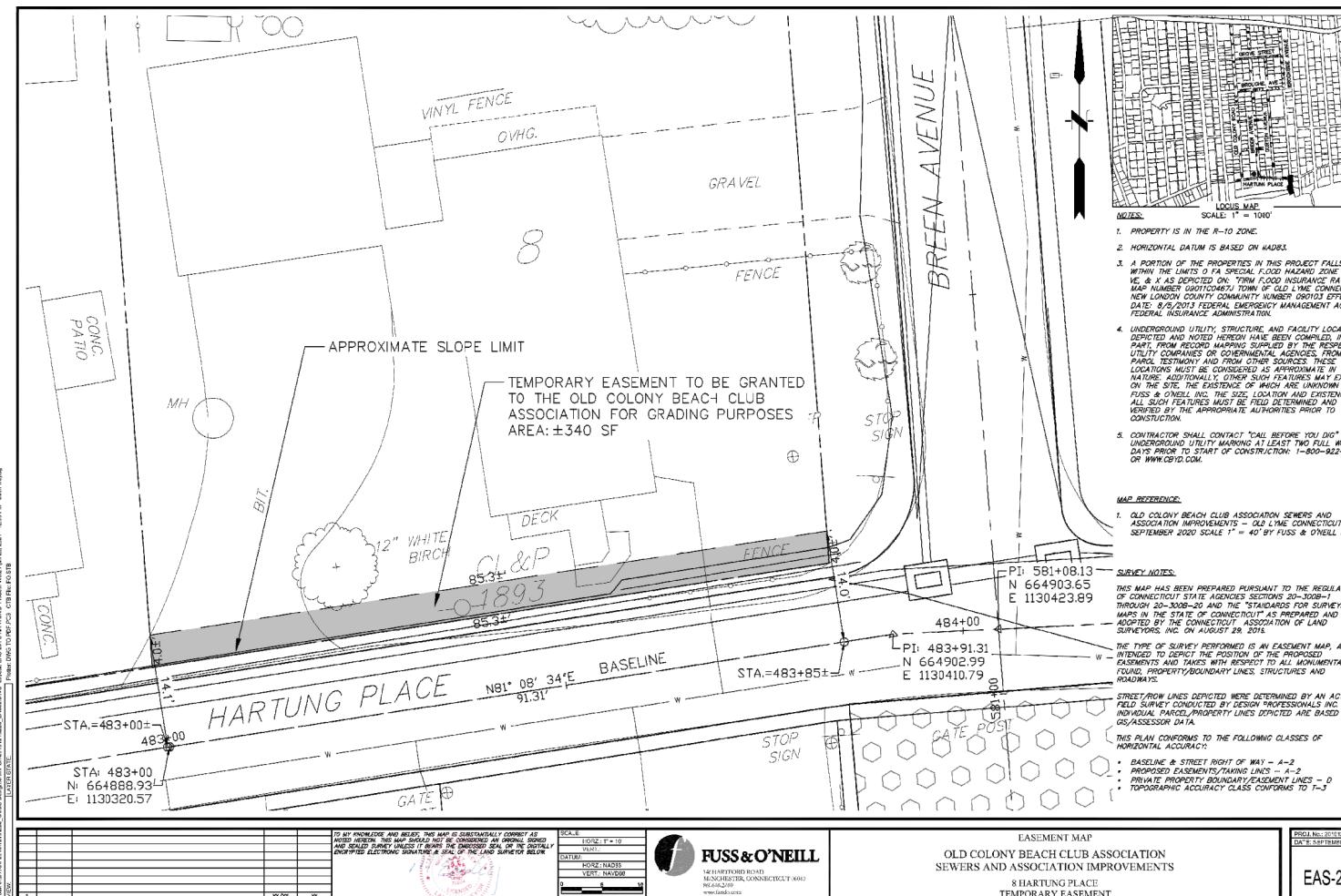
SCALE:  
HORZ.: 1" = 80'  
VERT.:  
DATUM:  
HORZ.: NAD 83  
VERT.: NAD 88  
80 40 0 80  
GRAPHIC SCALE



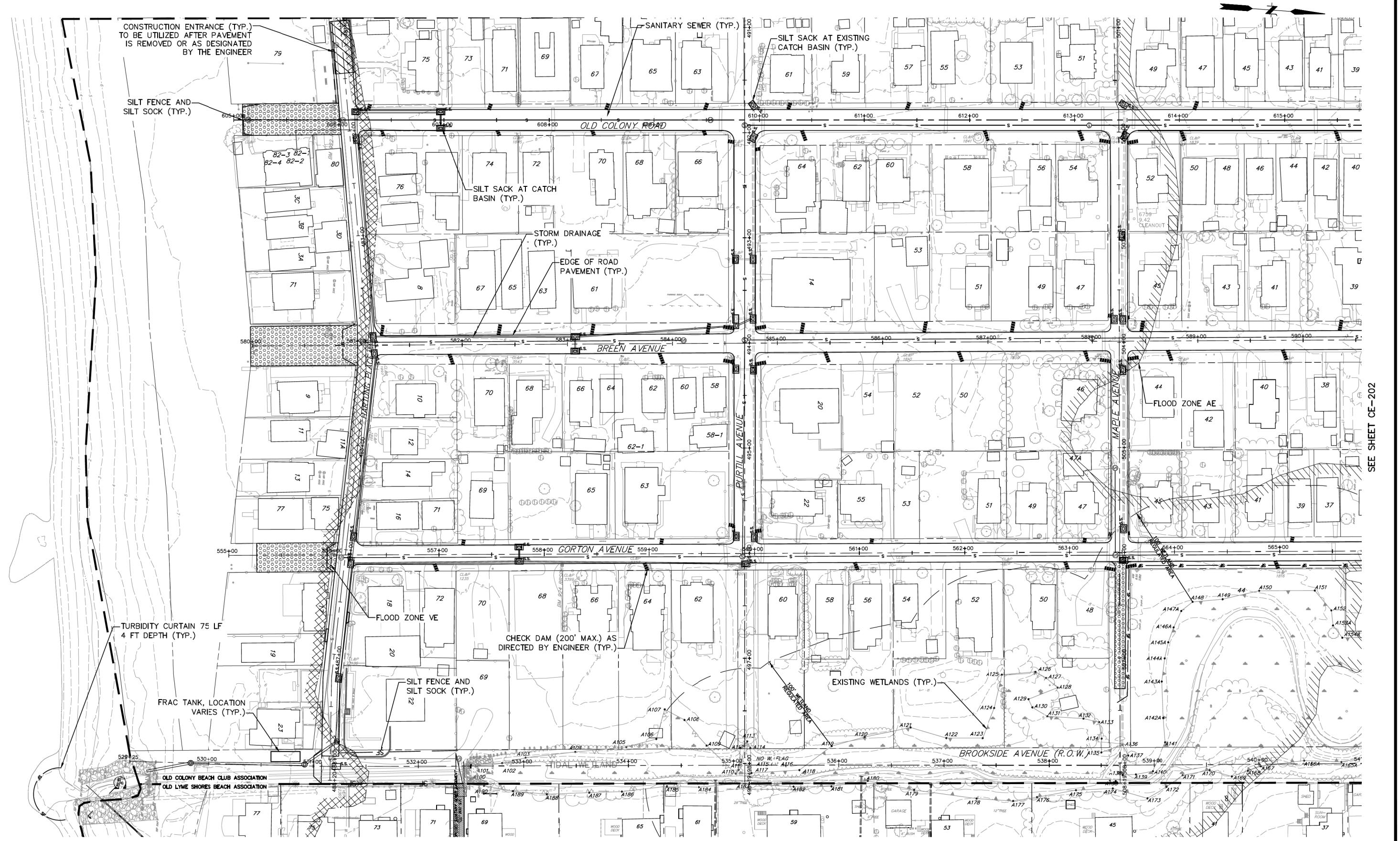
**FUSS & O'NEILL**  
146 HARTFORD ROAD  
MANCHESTER, CONNECTICUT 06040  
860.646.2469  
www.fando.com

OLD COLONY BEACH CLUB ASSOCIATION  
SEWER AND INFRASTRUCTURE IMPROVEMENTS  
SHEET INDEX  
OLD LYME  
CONNECTICUT

PROJ. No.: 20101210.E20  
DATE: AUGUST 2021  
GI-203







SEE SHEET CE-202

1.	DATE	DESCRIPTION	SAL	MEG	DESIGNER	REVIEWER
No						

SEAL



SEAL

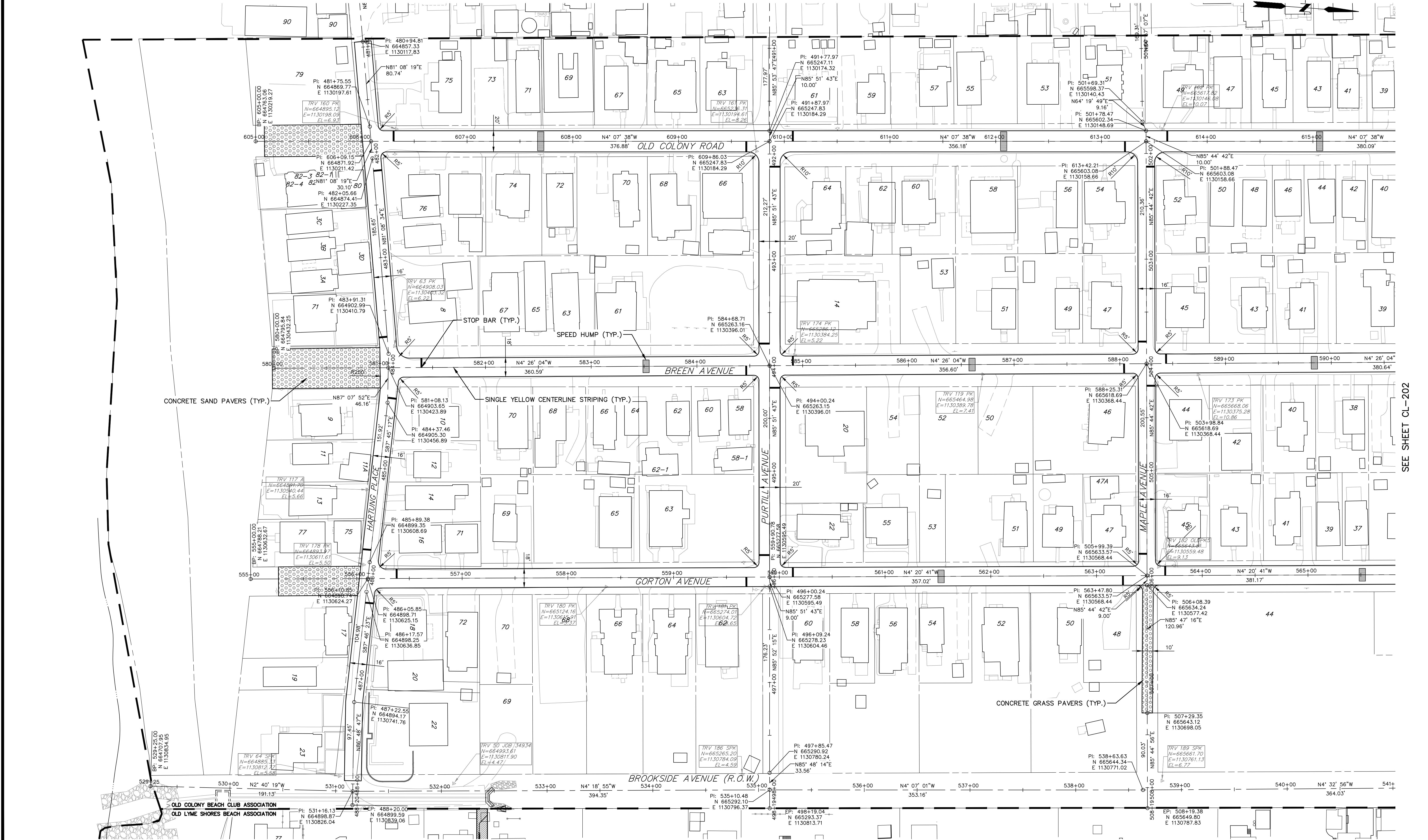
SCALE:  
HORZ: 1" = 40'  
VERT:  
DATUM:  
HORZ: NAV83  
VERT: NAVD88  
40 20 0 40  
GRAPHIC SCALE

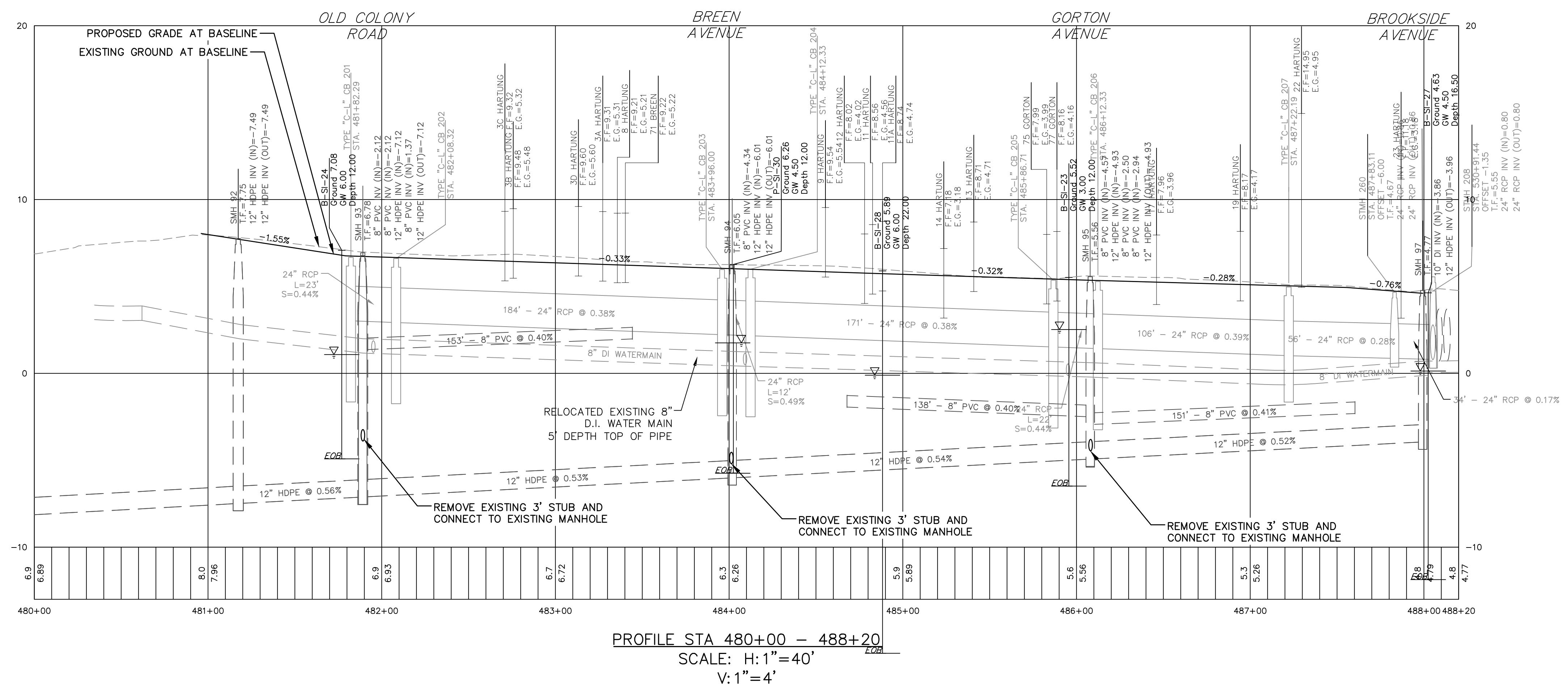
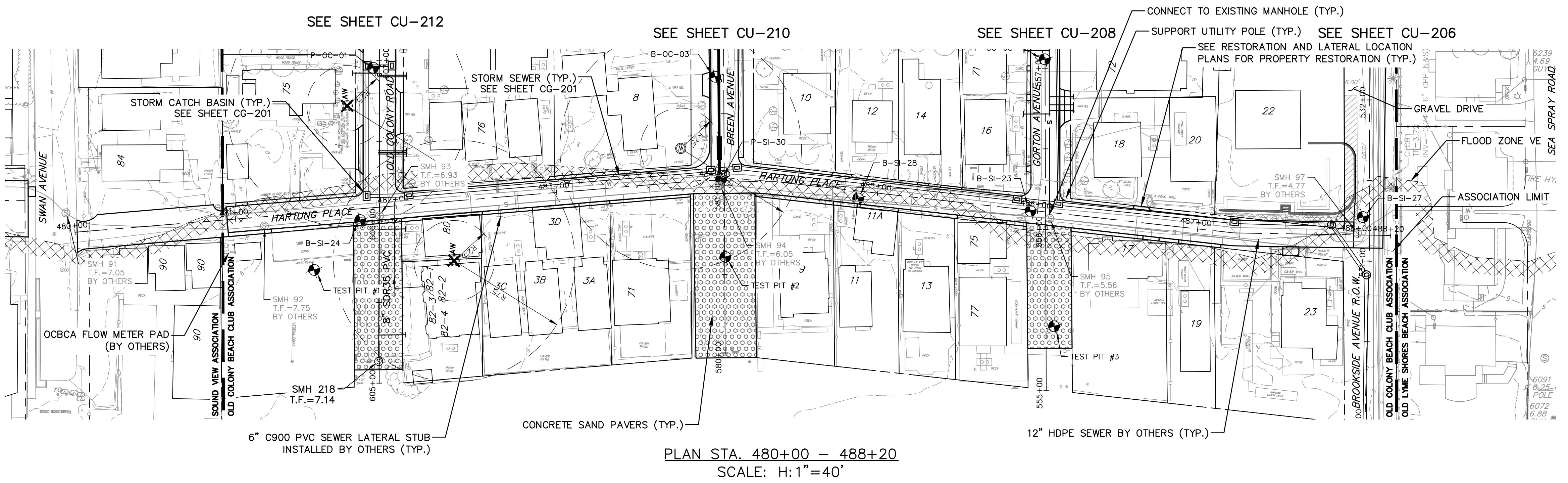


**FUSS & O'NEILL**  
146 HARTFORD ROAD  
MANCHESTER, CONNECTICUT 06040  
860.646.2469  
www.fando.com

OLD COLONY BEACH CLUB ASSOCIATION  
SEWERS AND ASSOCIATION IMPROVEMENTS  
EROSION AND SEDIMENTATION CONTROL LAYOUT  
OLD LYME  
CONNECTICUT

PROJ. No.: 20101210.E20  
DATE: AUGUST 2021  
**CE-201**





SEE SHEET CU-212

## SEE SHEET CU-210

SEE SHEET **SL-202** / SUPPORT UTILITY ROD (TYP.) / SEE  
CONNECT TO EXISTING MANHOLE (TYP.)

SEE SHEET CU-208 / SUPPORT UTILITY POLE (TYP.) SEE SHEET CU-206  
SEE RESTORATION AND LATERAL LOCATION

SEE RESTORATION AND LATERAL LOCATION PLANS FOR PROPERTY RESTORATION (TYP.)

## LEGEND:

# X<sup>AW</sup> WELL TO BE ABANDONED

OLD COLONY BEACH CLUB ASSOCIATION  
SEWERS AND ASSOCIATION IMPROVEMENTS

HARTUNG PLACE - SEWER  
STA. 480+00 - 488+20

PROJ. No.: 20101210\_B20  
DATE: AUGUST 2021

---

**CU-201**

## SEE SHEET CU-20

PLAN STA. 529+25 – 541+00

SCALE: H:1"=40'

LEGEND:

SEE SHEET CU-207

**HARTUNG PLACE**

STATION ELEVATION (ft)

- STA. 529+82.99
- STA. 530+91.44
- STA. 531+00.00
- STA. 532+00.00
- STA. 533+00.00
- STA. 534+00.00
- STA. 535+00.00
- STA. 536+00.00
- STA. 537+00.00
- STA. 538+00.00
- STA. 539+00.00
- STA. 540+00.00
- STA. 541+00.00

ELEVATION (ft)

- 3.9
- 3.86
- 7.8
- 7.80
- 5.3
- 5.30
- 4.7
- 4.73
- 1.1
- 1.12
- 1.8
- 1.77
- 3.0
- 2.96
- 3.2
- 3.16
- 4.3
- 4.31
- 5.4
- 5.42
- 10.4
- 10.37
- 12.24

MARKERS

- STMH MH 217
- STMH 208
- SMH 97
- SMH 989

PIPE LAYERS

- 40' - 24" RCP @ 0.12%
- 40' - 24" RCP @ 0.15%
- 252' - 36" PVC @ 0.0%
- 117' - 10" DI @ 0.28%
- 103' - 24" RCP @ 0.15%
- 4' - 36" PVC @ 0.1%
- 4' - 36" PVC @ 0.1%
- 12' HDPE INV (0.15%) = -3.96
- 10' DI INV (IN) = -3.86
- T.F. = 4.77
- B-SI-27
- Ground 4.63
- GW 4.50
- Depth 16.50
- T.I. = 4.472
- 100' PVC CONN (K) = -3.358
- 100' HDPE CONN (K) = -3.328

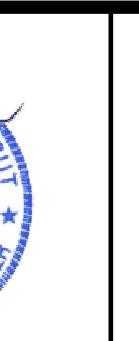
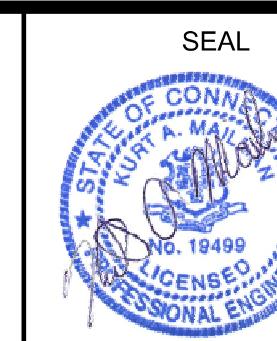
EXISTING GROUND AT BASELINE

## PROFILE STA 529+25 - 541+00

SCALE: H:1"=40'

V: 1"=4"

File Path: J:\DWG\GP2010\1210\B20\_OCBC Design\Civil\Plan\20101210B20\_STP01.dwg Layout: CU-206 BROOKSIDE 1 Plotted: Tue, August 24, 2021 - 1:00 PM User: wdylag  
Plotter: AUTOCAD PDF (GENERAL DOCUMENTATION).PC3 CTB File: FO.STB



SCALE: HORZ.: 1"=40'  
VERT.: 1"=4'  
DATUM: HORZ.: NAD83  
VERT.: NAVD88  
40 20 0  
GRAPHIC SCALE



# FUSS & O'NEILL

146 HARTFORD ROAD  
MANCHESTER, CONNECTICUT 06040  
860.646.2469  
f-1

OLD COLONY BEACH CLUB ASSOCIATION  
SEWERS AND ASSOCIATION IMPROVEMENTS

BROOKSIDE AVENUE - SEWER  
STA. 529+25 - 541+00

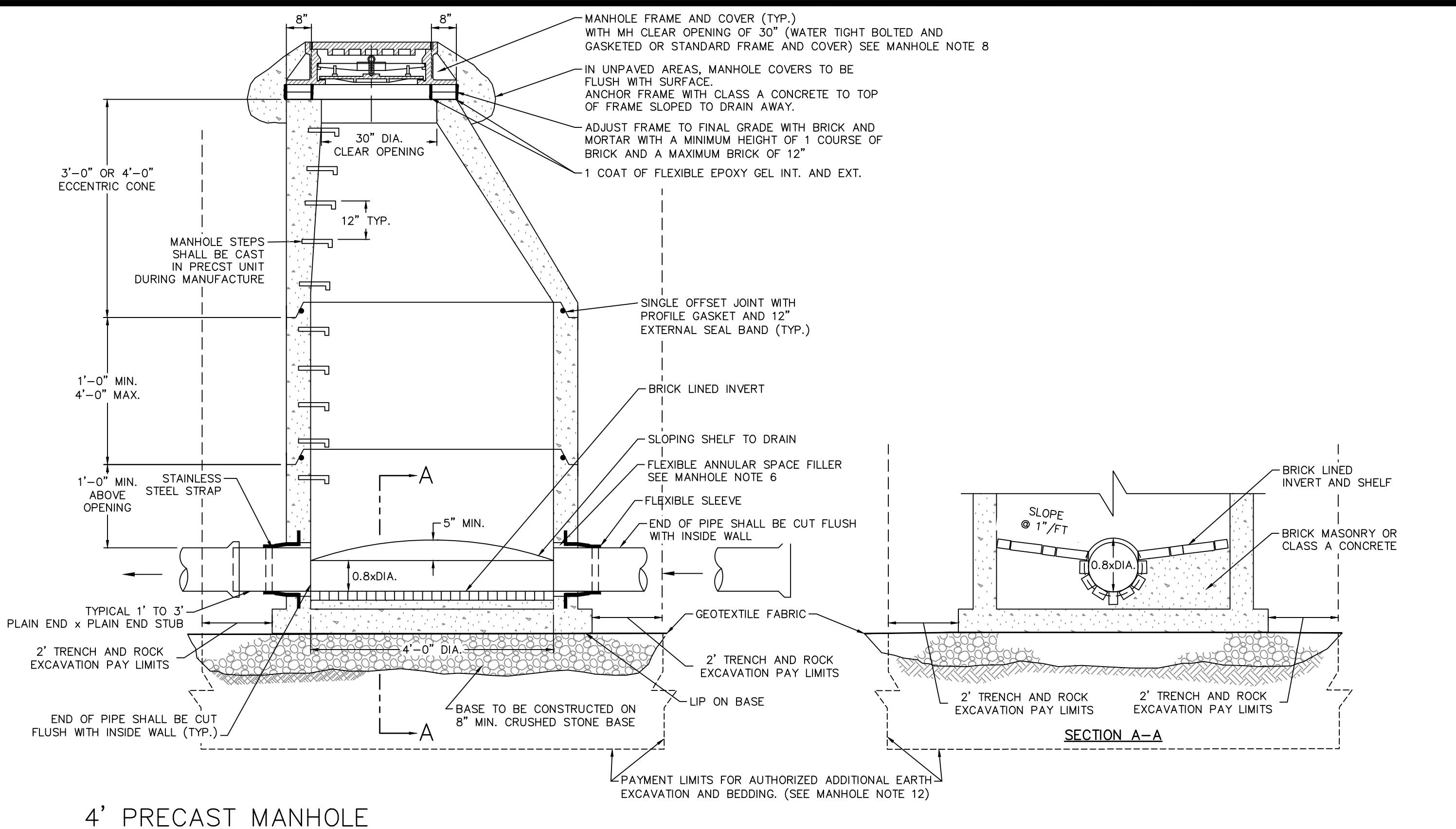
PROJ. No.: 20101210\_B20  
DATE: AUGUST 2021

---

**CU-206**







## 4' PRECAST MANHOLE

---

SCALE: NOT TO SCALE

## MANHOLE NOTES

MANHOLE NOTES

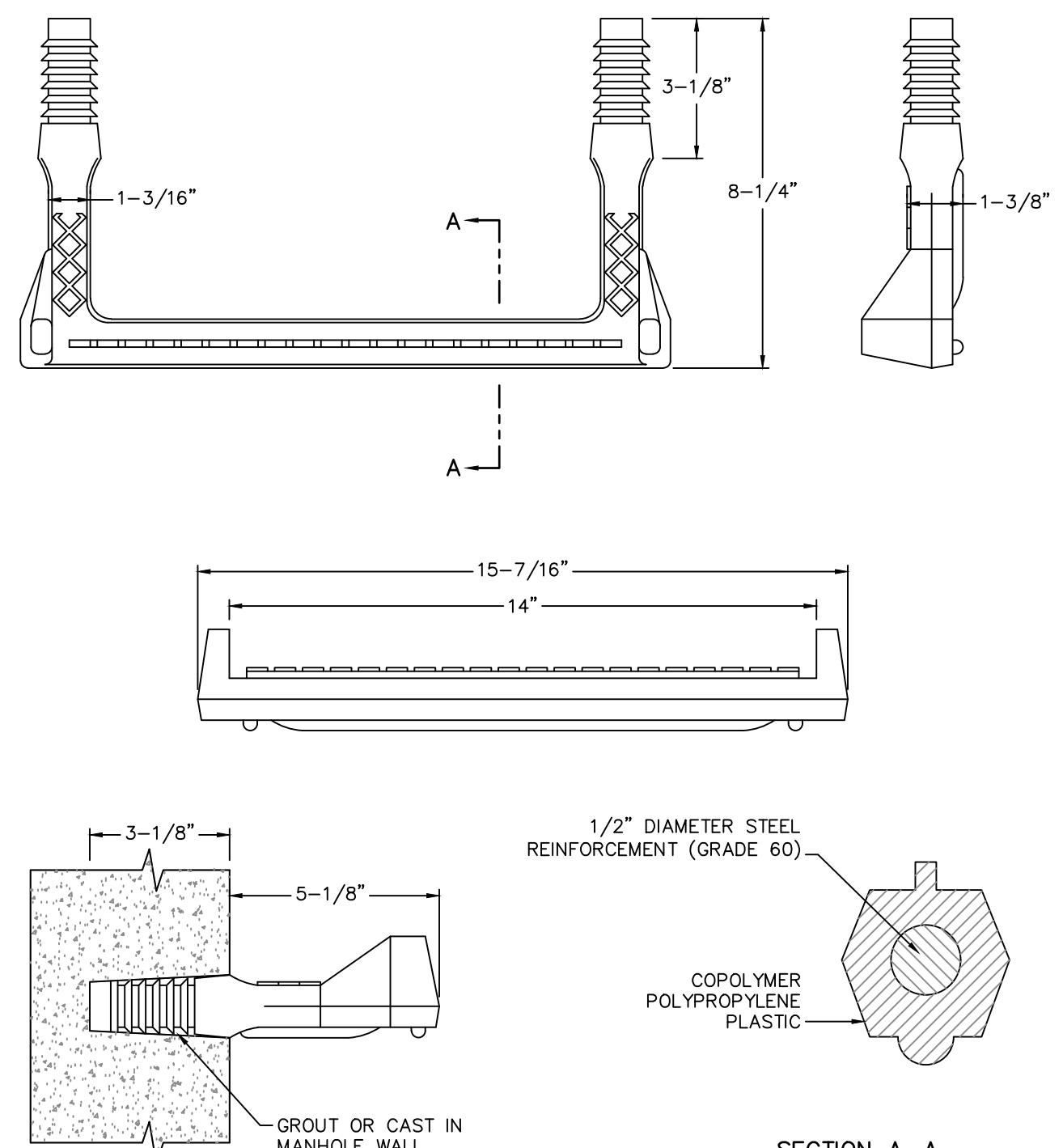
1. ALL PIPES SHALL BE CUT FLUSH WITH INSIDE WALL OF STRUCTURE.
2. MANHOLES SHALL BE PLACED ON 8" MINIMUM CRUSHED STONE BASE.
3. INSTALL RUBBER PLUGS IN LIFTING HOLES.
4. MANHOLES SHALL RECEIVE 2 COATS OF DAMP-PROOFING MATERIAL PRIOR TO DELIVERY TO THE SITE.
5. PROVIDE WATERTIGHT STUB AND FLEXIBLE SLEEVE AS NOTED ON THE DRAWINGS OR AS DIRECTED BY THE ENGINEER.
6. PIPE TO MANHOLE JOINTS SHALL BE SEALED WATERTIGHT BY USE OF PRE-MOLDED ELASTOMERIC SEALED JOINTS CAST INTO CONCRETE MANHOLE BASE AND SHALL CONFORM TO ASTM C 443 AND ASTM C 923.
7. MANHOLE JOINTS SHALL CONFORM TO ATSM C443.
8. MANHOLE FRAME AND COVERS SHALL BE OF THE TYPE INDICATED BELOW OR APPROVED EQUAL, UNLESS OTHERWISE SPECIFIED.

<u>LOCATION</u>	<u>TYPE</u>
GUTTERS, LOW LYING, WET UNPAVED AREAS ALL AREAS WITHIN VE/AE FLOOD ZONES ALL AREAS WITHIN THE 75 FOOT RADIUS OF WELLS	WATER TIGHT BOLTED & GASKETED (BOLTS SHALL BE 1/2" STAINLESS STEEL.)
NORMALLY DRY UNPAVED AND PAVED AREAS VALVE STRUCTURES WATERTIGHT	STANDARD

9. THE COVER SHALL HAVE THE WORDS "SANITARY SEWER" CAST INTO THE COVER IN 2" LETTERS.
10. MANHOLE STEPS SHALL BE STEEL REINFORCED POLYPROPYLENE OR ALUMINUM.
11. WHERE THE DIFFERENCE IN ELEVATION BETWEEN THE INCOMING SEWER AND THE MANHOLE INVERT IS 24" OR LESS, THE INVERT SHALL BE FILLETED.
12. WHEN DIRECTED BY THE ENGINEER, REMOVE UNSUITABLE MATERIAL BELOW TYPICAL TRENCH SUBGRADE AND INCREASE THE DEPTH OF BEDDING WRAPPED IN GEOTEXTILE FABRIC. THIS WORK WILL BE PAID UNDER THE ITEM: AUTHORIZED ADDITIONAL EARTH EXCAVATION AND BEDDING.
13. PAYMENT DEPTHS ARE MEASURED FROM TOP OF CONE TO INVERT OF STRUCTURE.

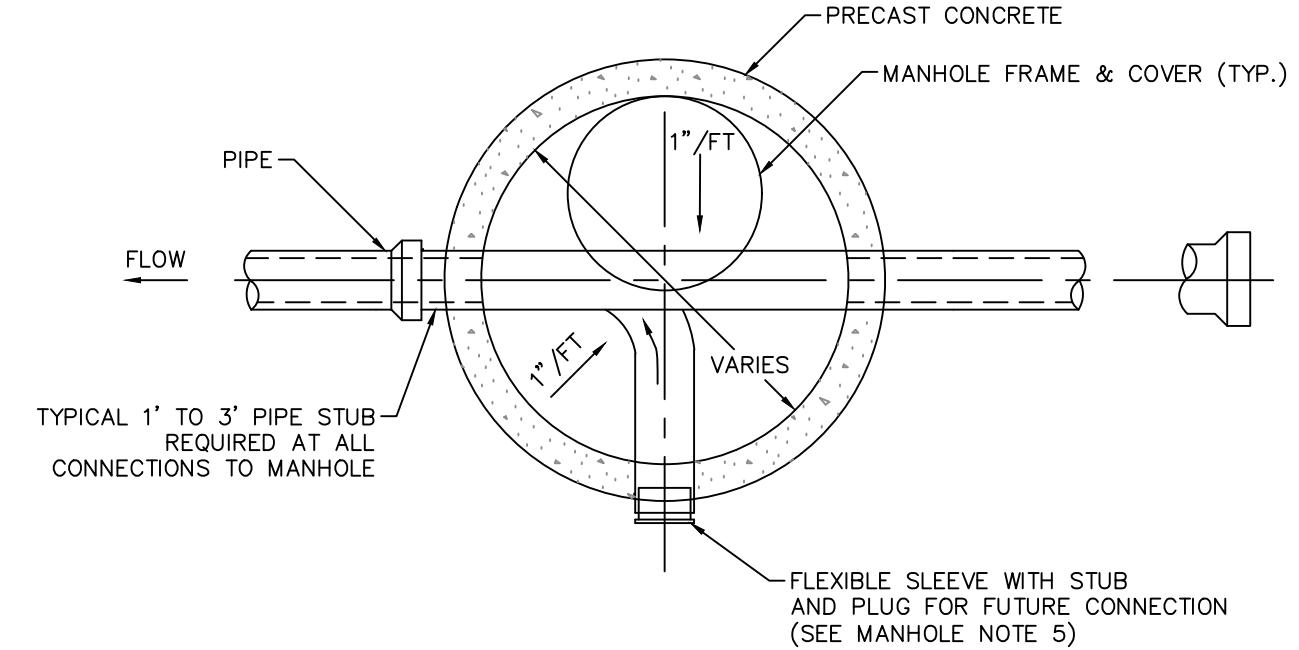
## MANHOLE NOTES

MANHOLE NO  
SCALE NOT TO SCALE



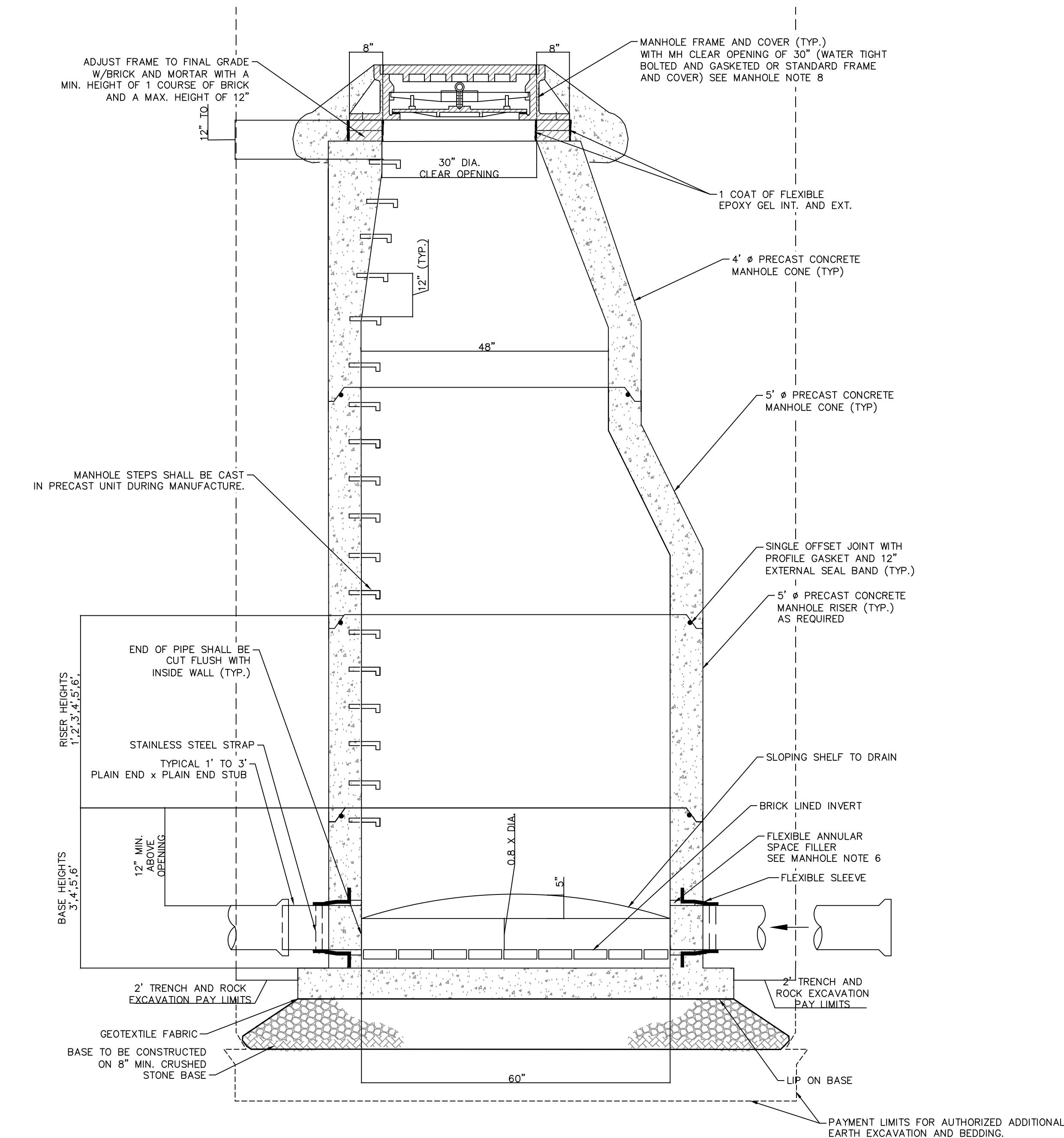
## MANHOLE STEP DETAIL

MANHOLE SITE



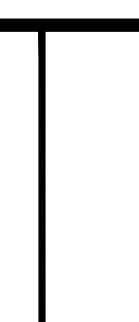
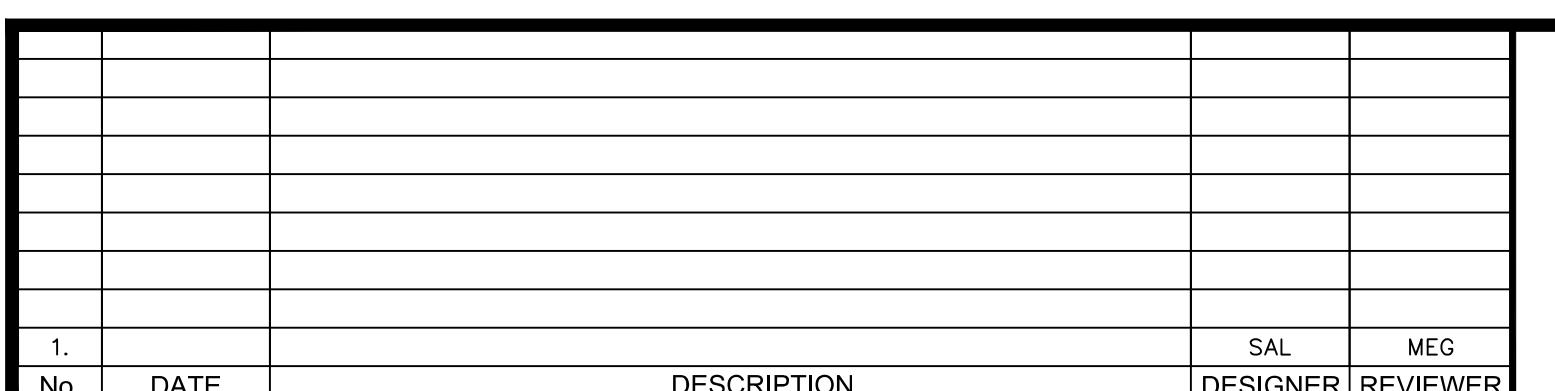
## MANHOLE PLAN VIEW

SCALE: NOT TO SCALE

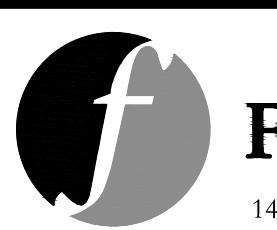


## 5' PRECAST MANHOLE

5 PRECAST



SCALE:  
HORZ.: NTS  
VERT.: NTS  
DATUM:  
HORZ.:  
VERT.:  
0  
  
GRAPHIC SCALE



# FUSS & O'NEILL

146 HARTFORD ROAD  
MANCHESTER, CONNECTICUT 06040  
860 646 2469

OLD COLONY BEACH CLUB ASSOCIATION  
SEWERS AND ASSOCIATION IMPROVEMENTS  
SANITARY SEWER DETAILS

## OLD LYME

## CONNECTICUT

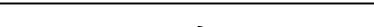
PROJ. No.: 20101210.B20  
DATE: AUGUST 2021

---

**CD-202**

1.				SAL	MEG
No.	DATE	DESCRIPTION	DESIGNER	REVIEWER	



SCALE:   
HORZ.: NTS  
VERT.: NTS  
DATUM:   
HORZ.:  
VERT.:  
0  
  
GRAPHIC SCALE



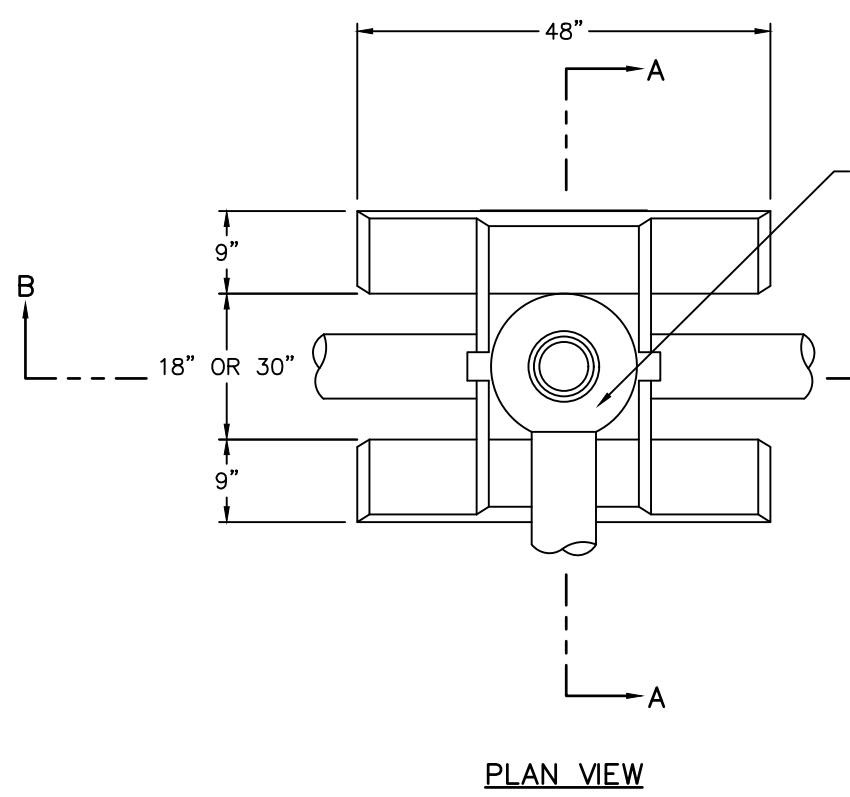
# FUSS & O'NEILL

OLD COLONY BEACH CLUB ASSOCIATION  
SEWERS AND ASSOCIATION IMPROVEMENTS  
SANITARY SEWER DETAILS

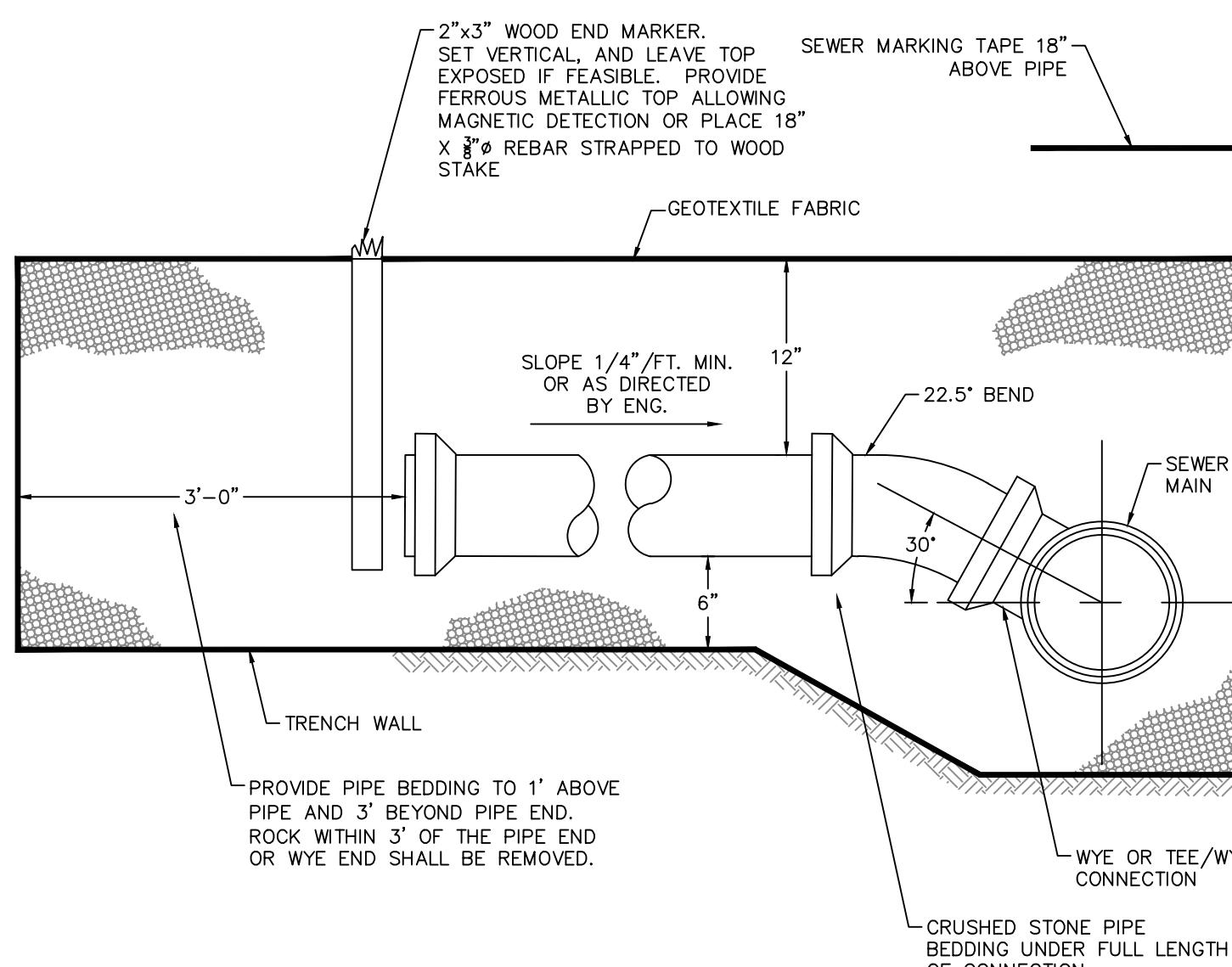
PROJ. No.: 20101210.B20  
DATE: AUGUST 2021

---

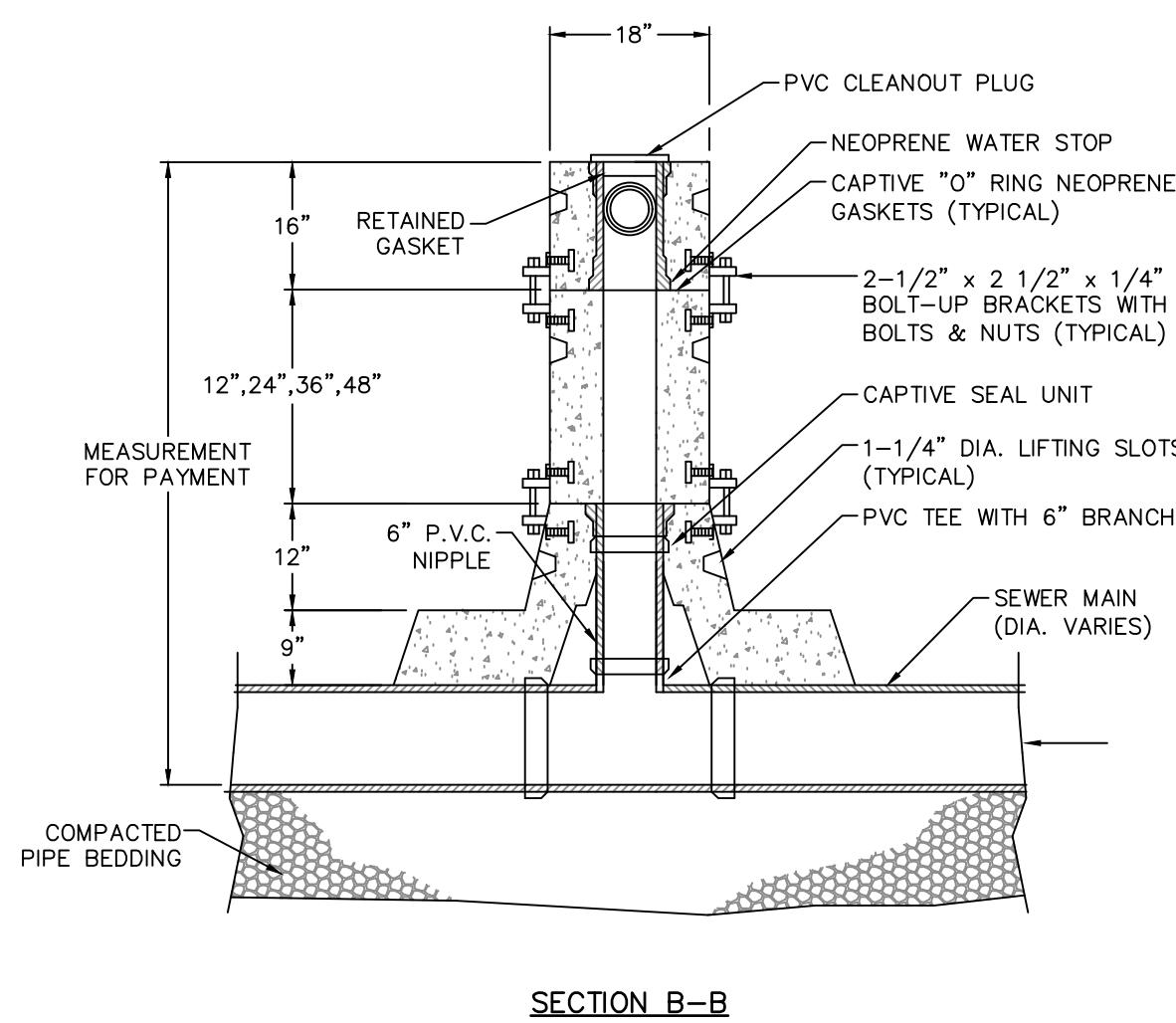
**CD-203**



### PLAN VIEW



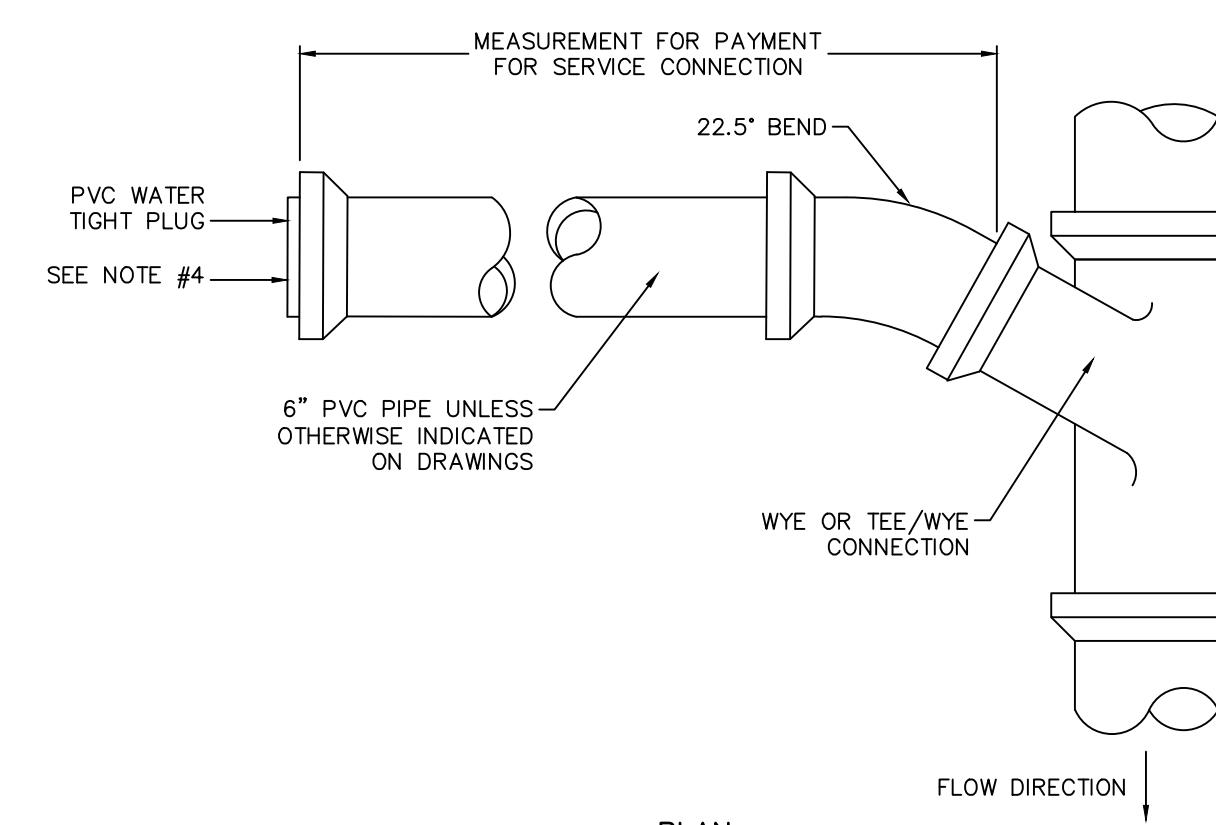
## ELEVATION



## SECTION B-B

## SEWER SERVICE CONNECTIONS

SCALE: NOT TO SCALE



PLA

## SANITARY SEWER PIPE TRENCH NOTES

1. DEPTH OF SEWER AND TYPE OF PIPE SHALL BE AS SHOWN ON DRAWINGS.
2. SEWER TRENCHES MAY BE EXCAVATED WIDER THAN TRENCH WIDTH W ABOVE THE "LINE OF NARROW TRENCH LIMIT." AT THE CONTRACTORS EXPENSE.
3. BELOW THE "LINE OF NARROW TRENCH LIMIT" THE TRENCH SHALL NOT BE EXCAVATED BEYOND THE TRENCH WIDTH W.
4. IF EXCAVATION AND BACKFILL BELOW NORMAL DEPTH IS REQUIRED, SHEETING MAY BE ORDERED.
5. SHEETING, IF USED, IN ALL CASES SHALL BE LEFT IN PLACE BELOW A LINE 1'-0" ABOVE THE TOP OF THE SEWER PIPE, UNLESS OTHERWISE INDICATED OR DIRECTED BY THE ENGINEER.
6. ALL ROCK WITHIN 3'-0" HORIZONTALLY OF THE ENDS OF BUILDING CONNECTIONS, BRANCHES AND STUBS, AND DOWN TO A HORIZONTAL PLANE 6" BELOW THE BOTTOMS OF SUCH ITEMS SHALL BE REMOVED.
7. TRENCH WIDTHS AND PAYMENT LIMIT SHALL BE AS FOLLOWS:

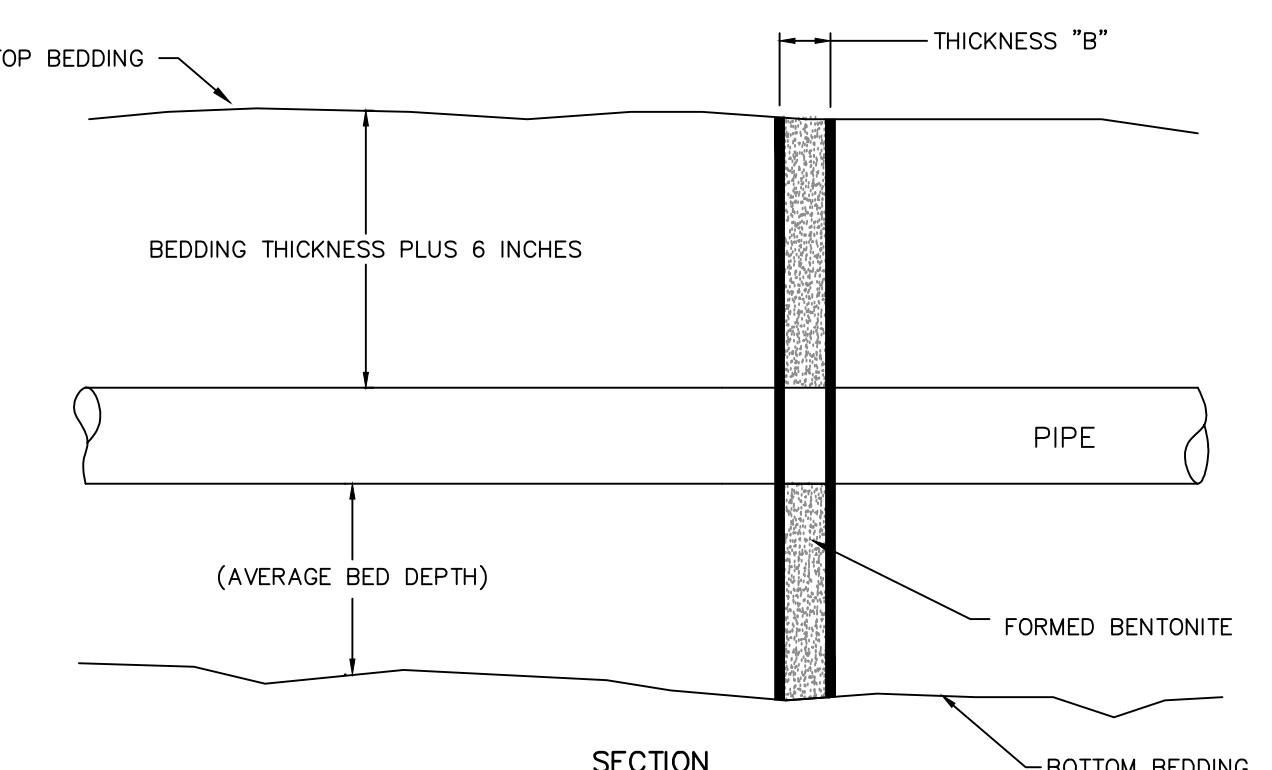
DIAMETER PIPE "I.D."	TRENCH WIDTH "W"	PAYMENT LIMIT
LESS THAN OR EQUAL TO 30"	2'-0" + PIPE I.D.	2'-0" + PIPE I.D.
GREATER THAN 30"	3'-0" + PIPE I.D.	3'-0" + PIPE I.D.

8. WHEN MULTIPLE PIPES ARE INSTALLED IN THE SAME TRENCH, THE TRENCH WIDTH "W" WILL BE BASED ON THE LARGER OF THE PIPES INSTALLED.
9. WHEN DIRECTED BY THE ENGINEER, REMOVE UNSUITABLE MATERIAL BELOW TYPICAL TRENCH SUBGRADE AND INCREASE THE DEPTH OF BEDDING WRAPPED IN GEOTEXTILE FABRIC. THIS WORK WILL BE PAID UNDER THE ITEM: AUTHORIZED ADDITIONAL EARTH EXCAVATION AND BEDDING.
10. WHERE CONCRETE ENCASEMENT IS CALLED FOR BY THE PLANS, OR WHEN DIRECTED BY THE ENGINEER, REPLACE BEDDING AND BACKFILL BELOW THE "LINE OF NARROW TRENCH LIMIT" WITH CLASS "A" CONCRETE.
11. SEWER MARKING TAPE SHALL BE INSTALLED A MINIMUM OF 18" ABOVE THE SANITARY SEWER, FORCE MAIN AND SERVICE CONNECTION PIPE.
12. SANITARY SEWER PIPE AND SERVICE CONNECTION PIPE SHALL HAVE GEOTEXTILE FABRIC AROUND THE PIPE BEDDING AS SHOWN ON THE DETAILS.

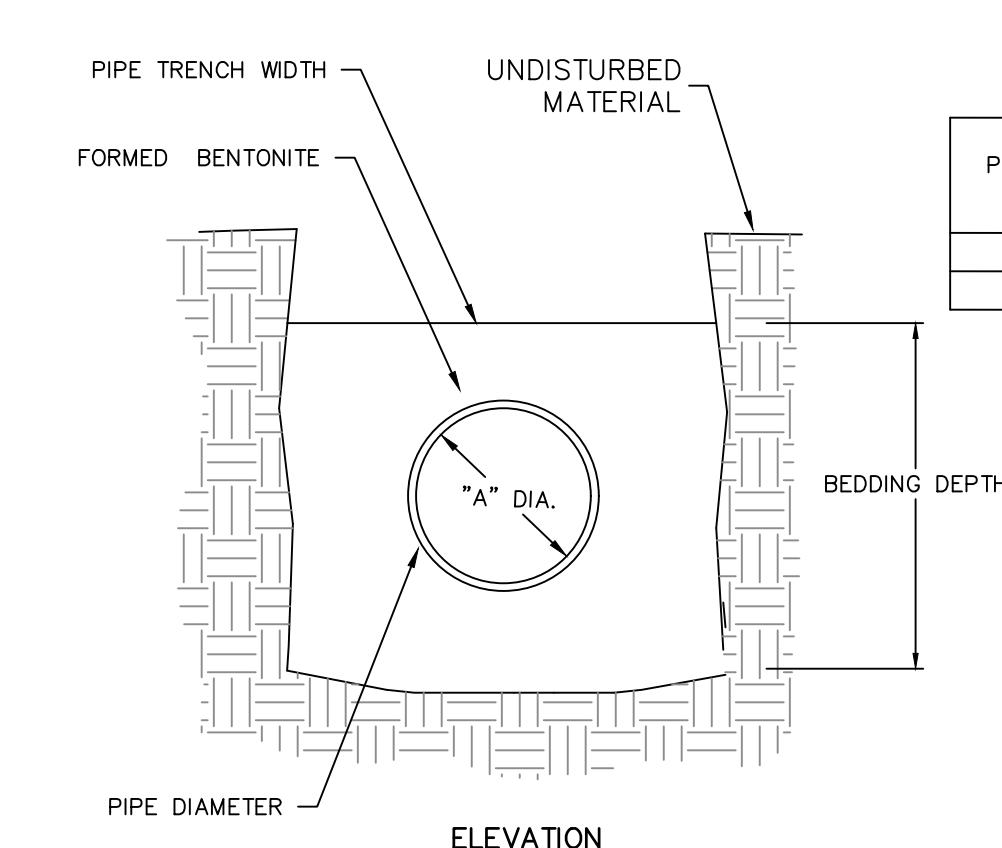
## SANITARY SEWER PIPE TRENCH NOTES

---

SCALE: NOT TO SCALE

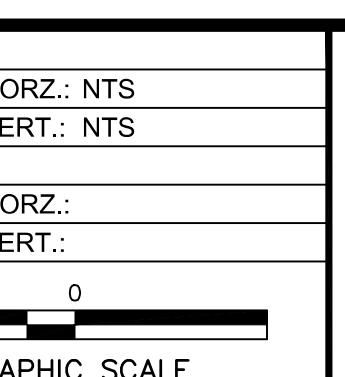


AL	PIPE DIA. (A) (INCHES)	BENTONITE THICKNESS (B) (INCHES)
	6	12



## BENTONITE TRENCH DAM

## BENTONITE TREM



# FUSS & O'NEILL

146 HARTFORD ROAD  
MANCHESTER, CONNECTICUT 06040  
860.646.2469

OLD COLONY BEACH CLUB ASSOCIATION  
SEWERS AND ASSOCIATION IMPROVEMENTS  
SANITARY SEWER DETAILS

## OLD LYME

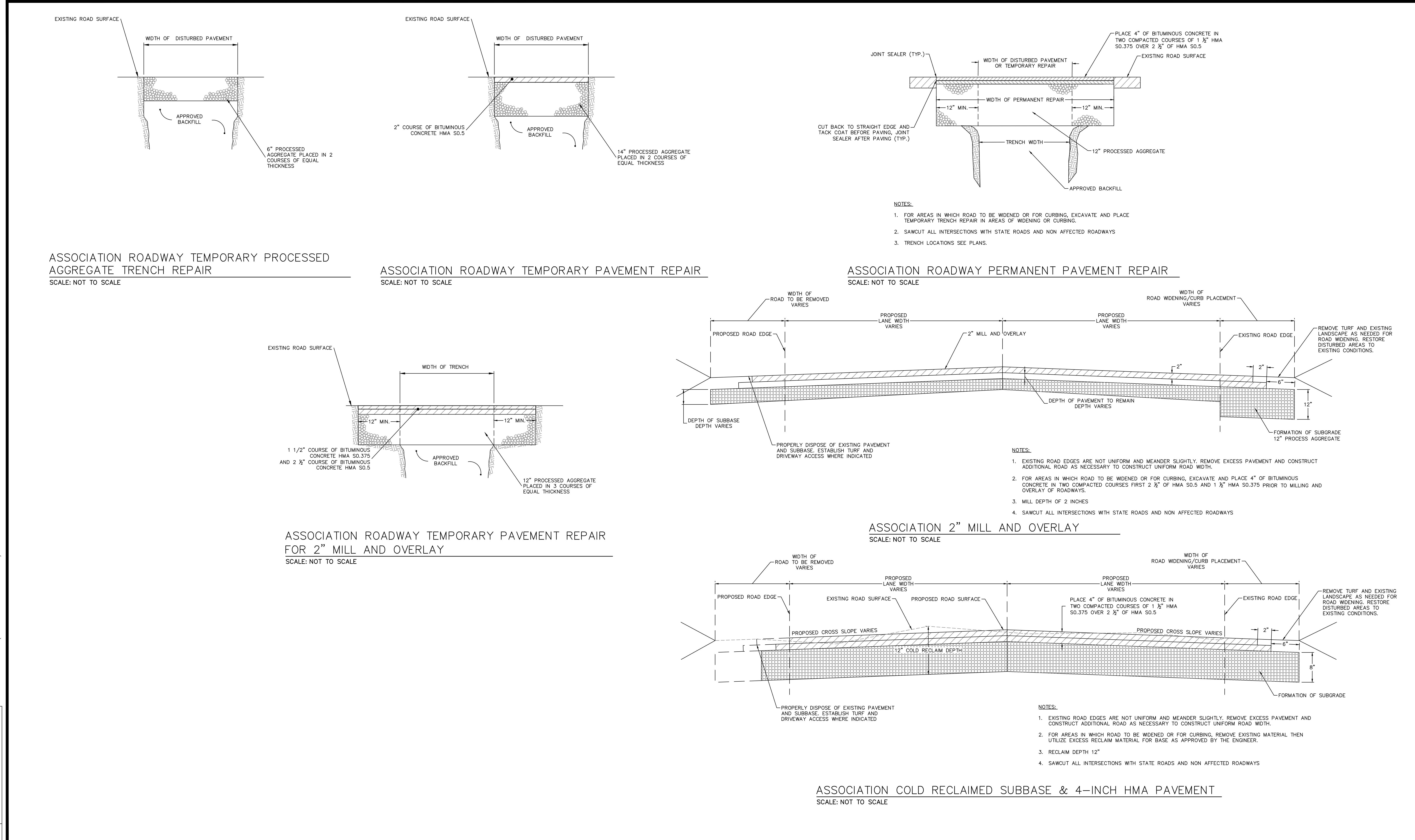
## CONNECTICUT











MS VIEW:			
LAYER STATE:			
1.	SAL	MEG	
No.	DATE	DESCRIPTION	DESIGNER REVIEWER



SEAL

SEAL

STATE OF CONNECTICUT

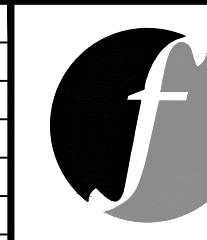
DEPARTMENT OF TRANSPORTATION

PROFESSIONAL ENGINEER

NO. 16499

SCALE:	HORZ.: NTS
	VERT.: NTS
DATUM:	
	HORZ.:
	VERT.:
	0

GRAPHIC SCALE



**FUSS & O'NEILL**  
146 HARTFORD ROAD  
MANCHESTER, CONNECTICUT 06040  
860.646.2469  
www.fando.com

OLD COLONY BEACH CLUB ASSOCIATION  
SEWERS AND ASSOCIATION IMPROVEMENTS  
PAVEMENT DETAILS  
OLD LYME  
CONNECTICUT

PROJ. No.: 20101210.B20  
DATE: AUGUST 2021  
**CD-209**

### **Land Record Filing\***

**To:** DO NOT FILE

**Signature and**

**NOTE: Due to the electronic delivery of this license and the legal requirement to have a live signature on this document, the “Land Record Filing” as detailed in General Condition #1 will be sent to the Licensee via U.S. Mail for the Licensee to file with the city/town clerk.**

**Date:**

**Subject:** \_\_\_\_\_  
License # \_\_\_\_\_

If you have any questions pertaining to this matter, please contact the Land & Water Resources Division at 860-424-3019.

**Return to:**

~~Land & Water Resources Division  
State of Connecticut  
Department of Energy & Environmental Protection  
79 Elm Street  
Hartford, CT 06106-5127~~

\*The Licensee shall file the Land Record Filing on the land records of the municipality in which the subject property is located not later than thirty (30) days after license issuance pursuant to Connecticut General Statutes (CGS) Section 22a-363g. A copy of the Notice with a stamp or other such proof of filing with the municipality shall be submitted to the Commissioner no later than sixty (60) days after license issuance.



## **LWRD Work Commencement Form**

**To:** [DEEP.LWRDRegulatory@ct.gov](mailto:DEEP.LWRDRegulatory@ct.gov) or  
Regulatory Section  
Department of Energy and Environmental Protection  
Land & Water Resources Division  
79 Elm Street  
Hartford, CT 06106-5127

**Licensee Name:** \_\_\_\_\_

**Municipality in which the project is occurring:** \_\_\_\_\_

**DEEP License No(s):** \_\_\_\_\_

**CONTRACTOR(s):**

# 1 Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
Telephone: \_\_\_\_\_  
E-mail: \_\_\_\_\_

# 2 Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
Telephone: \_\_\_\_\_  
E-mail: \_\_\_\_\_

# 3 Name: \_\_\_\_\_  
Address: \_\_\_\_\_

Date Contractor(s) received a copy  
of the license and approved plans: \_\_\_\_\_

**EXPECTED DATE OF COMMENCEMENT OF WORK:** \_\_\_\_\_

**EXPECTED DATE OF COMPLETION OF WORK:** \_\_\_\_\_

**LICENSEE:** \_\_\_\_\_  
(Signature) \_\_\_\_\_ (Date) \_\_\_\_\_



## Compliance Certification Form

The following certification must be signed by the licensee working in consultation with a Connecticut-licensed design professional and must be submitted to the address indicated at the end of this form within ninety (90) days of completion of the authorized work.

1. Licensee Name:	Old Colony Beach Club Association
DEEP License Number(s):	202409389
Municipality in which project is occurring: Old Lyme	
2. Check one:	
(a) <input type="checkbox"/> "I certify that the final site conditions and / or structures are in general conformance with the approved site plans". Identify and describe any deviations and attach to this form.	
(b) <input type="checkbox"/> "The final site conditions and / or structures are not in general conformance with the approved site plans. The enclosed "as-built" plans note the modifications".	
3. "I understand that any false statement in this certification is punishable as a criminal offence under section 53a-157b of the General Statutes and under any other applicable law."	
Signature of Licensee	Date
Name of Licensee (print or type)	
Signature of CT-Licensed Design Professional	Date
Name of CT-Licensed Design Professional (print or type)	
Professional License Number (if applicable)	Affix Stamp Here
<ul style="list-style-type: none"><li>As-built plans shall include: elevations or tidal datums, as applicable, and structures, including any proposed elevation views and cross sections included in the approved license plans. Such as-built plans shall be the original ones and be signed and sealed by an engineer, surveyor or architect, as applicable, who is licensed in the State of Connecticut.</li><li>The Licensee will be notified by staff of the Land and Water Resources Division (LWRD) if further compliance review is necessary. Lack of response by LWRD staff does not imply compliance.</li></ul>	
Submit this completed form to : <a href="mailto:DEEP.LWRDRegulatory@ct.gov">DEEP.LWRDRegulatory@ct.gov</a> or	
<b>Regulatory Section</b> <b>Department of Energy and Environmental Protection</b> <b>Land &amp; Water Resources Division</b> <b>79 Elm Street</b> <b>Hartford, CT 06106-5127</b>	