



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: 22a-426-1 to 9

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 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 Commencement¹.** Not later than two (2) weeks prior to the commencement of any work authorized herein, the Licensee shall submit to 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

¹ 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 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, 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 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



PREPARED BY
FUSS & O'NEILL

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www.fando.com

Design Professionals
civil engineers, planners, surveyors
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PURTILL AVENUE PLAN & PROFILE - DRAINAGE AND GRADING
STA. 490+00 - 498+19

MAPLE AVENUE PLAN & PROFILE - DRAINAGE AND GRADING
STA. 500+00 - 508+19

BROUGHEL AVENUE PLAN & PROFILE - DRAINAGE AND GRADING
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GROVE AVENUE PLAN & PROFILE - DRAINAGE AND GRADING
STA. 520+00 - 528+17

BROOKSIDE AVENUE PLAN & PROFILE - DRAINAGE AND GRADING
STA. 529+25 - 541+00

BROOKSIDE AVENUE PLAN & PROFILE - DRAINAGE AND GRADING
STA. 541+00 - 550+14

GORTON AVENUE PLAN & PROFILE - DRAINAGE AND GRADING
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GORTON AVENUE PLAN & PROFILE - DRAINAGE AND GRADING
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OLD COLONY ROAD PLAN & PROFILE - DRAINAGE AND GRADING
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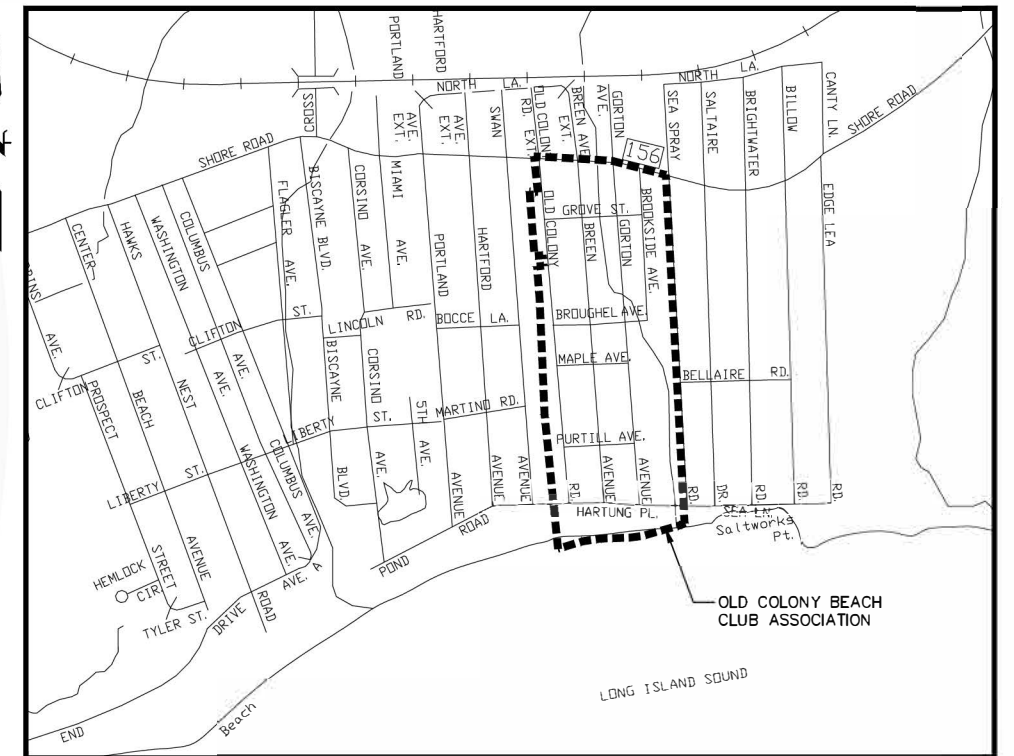
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STA. 566+00 - 575+36

BREEN AVENUE PLAN & PROFILE - SEWER

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DATE: AUGUST 2021

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MS VIEW: Plotter: AUTOCAD PDF (GENERAL DOCUMENTATION).PC3 CTB File: FO.STB

CIVIL GENERAL NOTES

GENERAL

1. 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.
2. 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.
3. 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.
4. 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.
5. TOPOGRAPHIC ELEVATIONS ARE BASED ON NAVD88 DATUM.
6. 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.
7. WETLANDS WERE DELINEATED BY FUSS AND O'NEILL INC. ON JULY 1, 2019 AND NOVEMBER 13, 2019.

WORK RESTRICTIONS

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

REGULATORY REQUIREMENTS

1. WITHIN LOCAL RIGHTS-OF-WAY, PERFORM THE WORK IN ACCORDANCE WITH LOCAL STANDARDS.
2. 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.
3. PROVIDE TRAFFIC SIGNAGE AND PAVEMENT MARKINGS IN CONFORMANCE WITH THE LATEST EDITION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
4. BE RESPONSIBLE FOR SITE SECURITY AND JOB SAFETY. PERFORM CONSTRUCTION ACTIVITIES IN ACCORDANCE WITH OSHA STANDARDS AND LOCAL REQUIREMENTS.
5. DISPOSE OF DEMOLITION DEBRIS IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS, ORDINANCES AND STATUTES.
6. 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

1. INSTALL EROSION CONTROL MEASURES PRIOR TO STARTING ANY WORK ON THE SITE. REFER TO THE WETLANDS AND EROSION CONTROL MAPS.
2. 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.
3. 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.
4. PERFORM CONSTRUCTION SEQUENCING IN SUCH A MANNER TO CONTROL EROSION AND TO MINIMIZE THE TIME THAT EARTH MATERIALS ARE EXPOSED BEFORE THEY ARE COVERED, SEEDED, OR OTHERWISE STABILIZED.
5. 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

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

CONSTRUCTION LAYOUT

1. 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.
2. 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.
3. 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.
4. DIMENSIONS ARE FROM FACE OF CURB, FACE OF BUILDING, FACE OF WALL, AND CENTER LINE OF PAVEMENT MARKINGS, UNLESS NOTED OTHERWISE.
5. BOUNDS OR MONUMENTATION DISTURBED DURING CONSTRUCTION SHALL BE SET OR RESET BY A PROFESSIONAL LICENSED SURVEYOR.

EARTHWORK

1. 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.CT.GOV/CT-B4-EN/REGISTERNEWUSER](https://onecall.ct.gov/CT-B4-EN/REGISTERNEWUSER)
2. 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

1. TERMINATE EXISTING UTILITIES IN CONFORMANCE WITH LOCAL, STATE AND INDIVIDUAL UTILITY COMPANY STANDARD SPECIFICATIONS AND DETAILS. COORDINATE UTILITY SERVICE DISCONNECTS WITH UTILITY REPRESENTATIVES.
2. 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.
3. PAY ALL FEES AND COSTS ASSOCIATED WITH UTILITY MODIFICATIONS AND CONNECTIONS, REGARDLESS OF THE ENTITY THAT PERFORMS THE WORK.
4. COORDINATE THE WORK AND WORK SCHEDULE WITH UTILITY COMPANIES. PROVIDE ADEQUATE NOTICE TO UTILITIES TO PREVENT DELAYS IN CONSTRUCTION.
5. 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.
5. 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, SEEDED, AND OTHER EARTH SURFACE AREAS: 1 INCH ABOVE SURROUNDING AREA; TAPER EARTH TO RIM ELEVATION.
6. INSTALL PROPOSED PRIVATE UTILITY SERVICES ACCORDING TO THE REQUIREMENTS PROVIDED BY, AND APPROVED BY THE AUTHORITY HAVING JURISDICTION (WATER, SEWER, GAS, TELEPHONE, ELECTRIC, FIRE ALARM, ETC.). COORDINATE FINAL DESIGN LOADS AND LOCATIONS WITH OWNER AND ARCHITECT.

PAVEMENT

1. 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

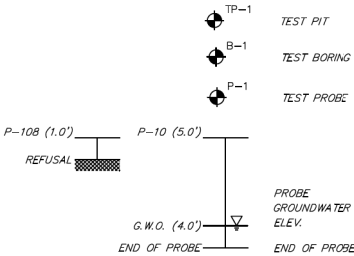
1. PROVIDE 6 INCHES OF TOPSOIL AND SEED TO AREAS DISTURBED DURING CONSTRUCTION AND NOT DESIGNATED TO BE RESTORED WITH IMPERVIOUS SURFACES (BUILDINGS, PAVEMENTS, WALKS, ETC.) UNLESS OTHERWISE NOTED.
2. REPAIR DAMAGES RESULTING FROM CONSTRUCTION LOADS, AT NO ADDITIONAL COST TO OWNER.
3. RESTORE AREAS DISTURBED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

ABBREVIATIONS

A.C.	ASBESTOS CEMENT	FF	FINISH FLOOR
ALUM., AL.	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
B.	BASELINE	MAX.	MAXIMUM
BLDG.	BUILDING	MBA	MIAMI BEACH ASSOCIATION
BM	BENCH MARK	MIN.	MINIMUM
C.I.	CAST IRON	MJ	MECHANICAL JOINT
CLDIP	CEMENT LINED DUCTILE IRON PIPE	NTS	NOT TO SCALE
C.	CENTERLINE	OCBCA	OLD COLONY BEACH CLUB ASSOCIATION
CONC.	CONCRETE	O.D.	OUTSIDE DIAMETER
CONN.	CONNECTION	OLSBA	OLD LYME SHORES BEACH ASSOCIATION
CB	CATCH BASIN	OS	OUTDOOR SHOWER
CO	CLEANOUT	P-3	PROBE NO.
DBL CB	DOUBLE CATCH BASIN	PROP.	PROPOSED
D.I.	DUCTILE IRON	PVC	POLYVINYL CHLORIDE
#, DIA.	DIAMETER	RC	REINFORCED CONCRETE
DMH	DRAINAGE MANHOLE	SCS	SEDIMENTATION CONTROL SYSTEM
E.C.L.	EROSION CONTROL LINING	RCP	REINFORCED CONCRETE PIPE
ECO	END CLEANOUT	RGS	RIGID GALVANIZED STEEL
EL	ELEVATION	SCH.	SCHEDULE
EOB.	END OF BORING	SMH	SANITARY MANHOLE
EXIST.	EXISTING	STA.	STATION
EXP.	EXPANSION	DSMH	DROP SANITARY MANHOLE
FRP	FIBERGLASS REINFORCED POLYETHYLENE	TF	TOP OF FRAME
G.W.O	GROUNDWATER OBSERVED	TYP.	TYPICAL
HDPE	HIGH DENSITY POLYETHYLENE	VCP	VITRIFIED CLAY PIPE
I.D.	INSIDE DIAMETER	W/	WITH
INV.	INVERT		

LEGEND

EXISTING		SIGN	
	UTILITY POLE		GAS GATE
	STORM MANHOLE		POST
	MANHOLE MISC.		DECIDUOUS TREE
	TELEPHONE MANHOLE		PINE TREE
	SANITARY MANHOLE		TREE
	CATCH BASIN		SHRUB
	FLAT TOP CATCH BASIN		IRRIGATION HEAD
	ROCK		BITUMINOUS CONCRETE LIP CURB
	STREET LIGHT		GRANITE STONE CURB
	B.C.L.C.		WATER LINE
	G.S.C.		COMMUNICATION LINE
	W.		ELECTRICITY LINE
	C.		TELEPHONE LINE
	E.		PROPERTY LINE
	T.		HIGHWAY LINE
	S.		EASEMENT LINE
	T.		BITUMINOUS CURB
	S.		GRANITE CURB
	T.		TREELINE
	S.		STONE WALL
	T.		WETLANDS
	S.		TIDAL WETLANDS
	T.		EXISTING CONTOUR
	S.		INDEX CONTOUR
	T.		FENCE
	S.		GUIDE PAIL
	T.		WETLANDS REGULATED AREA
	S.		C900 PVC SEWER PIPE
	T.		SDR35 PVC SEWER PIPE
	S.		PROPOSED SILT FENCE
	T.		PROPOSED SEWER FORCE MAIN OLD LYME SHORES ASSOCIATIONS



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OCBCA SEWERS AND ASSOCIATION IMPROVEMENTS

GENERAL NOTES & LEGEND

OLD COLONY BEACH CLUB ASSOCIATION

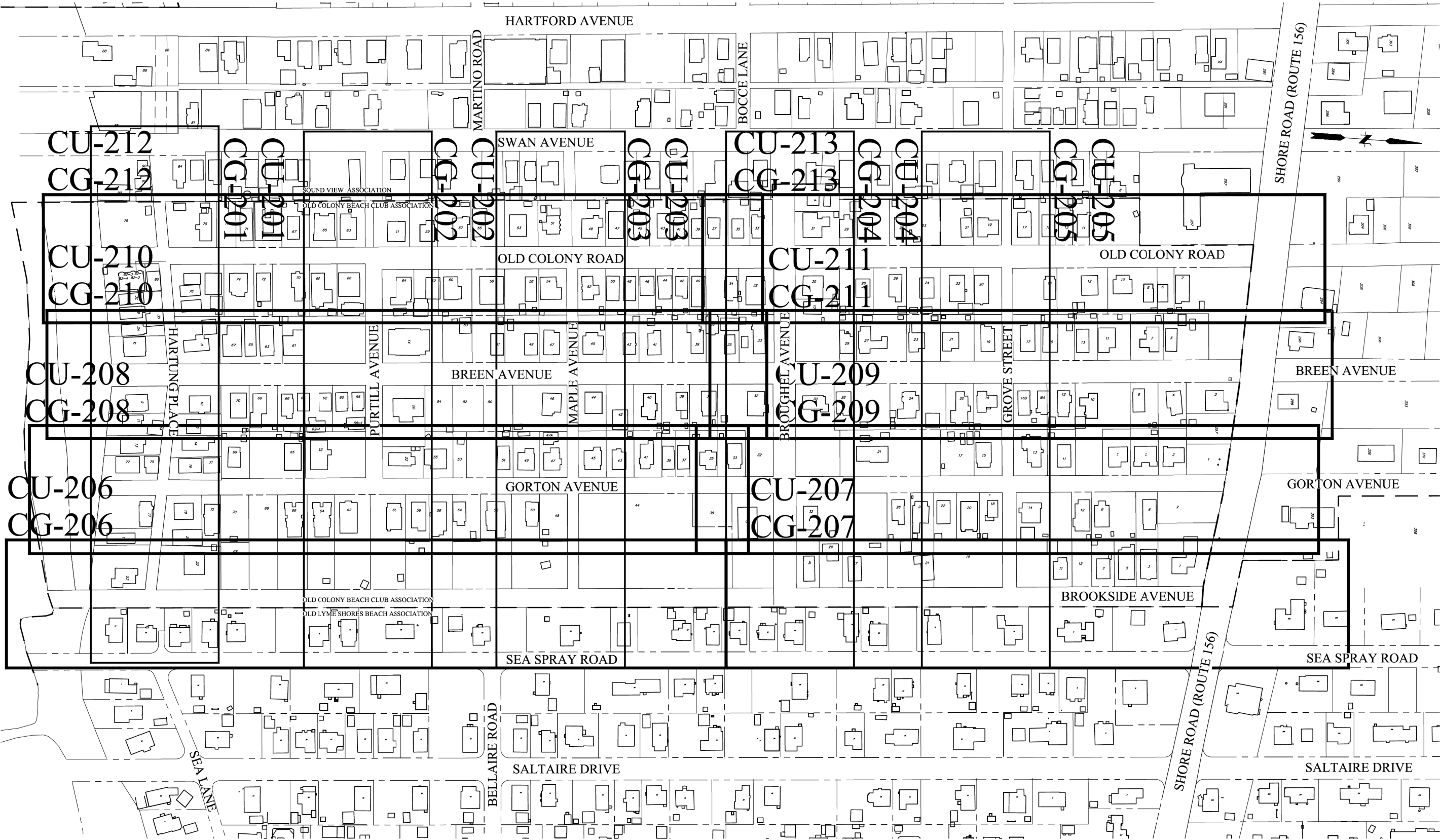
OLD LYME

CONNECTICUT

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

GI-202

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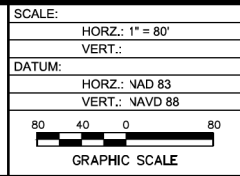


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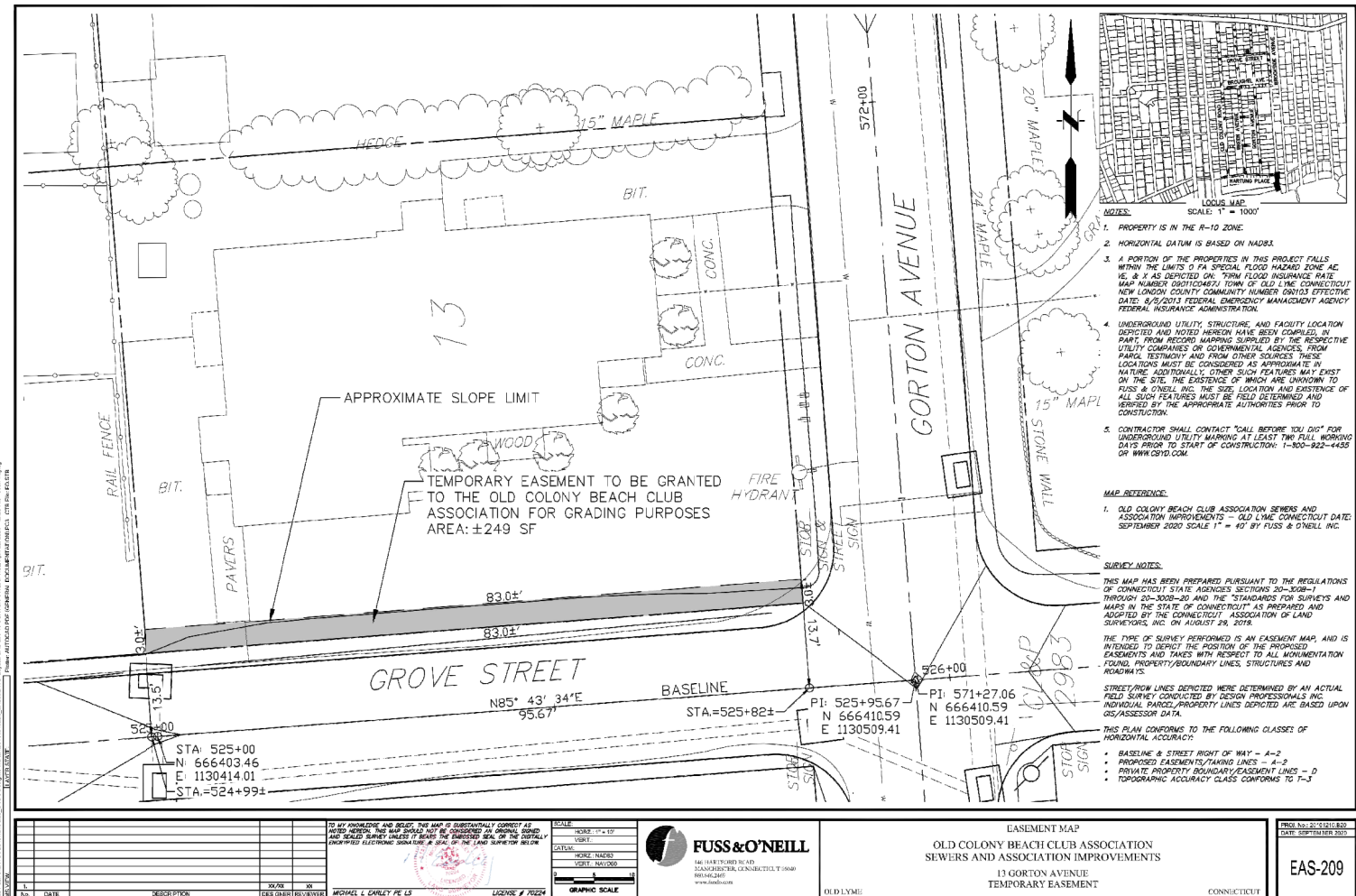
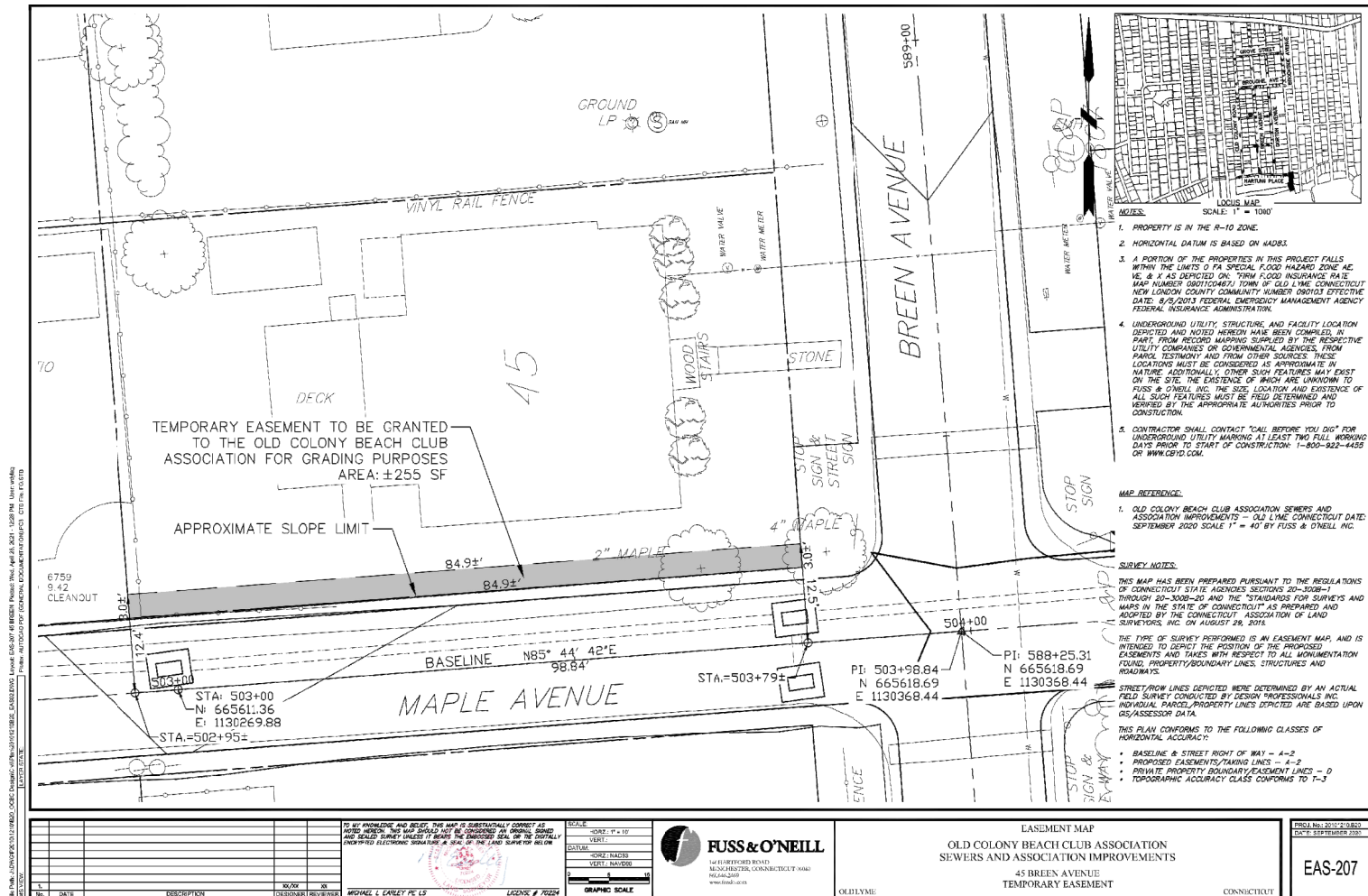
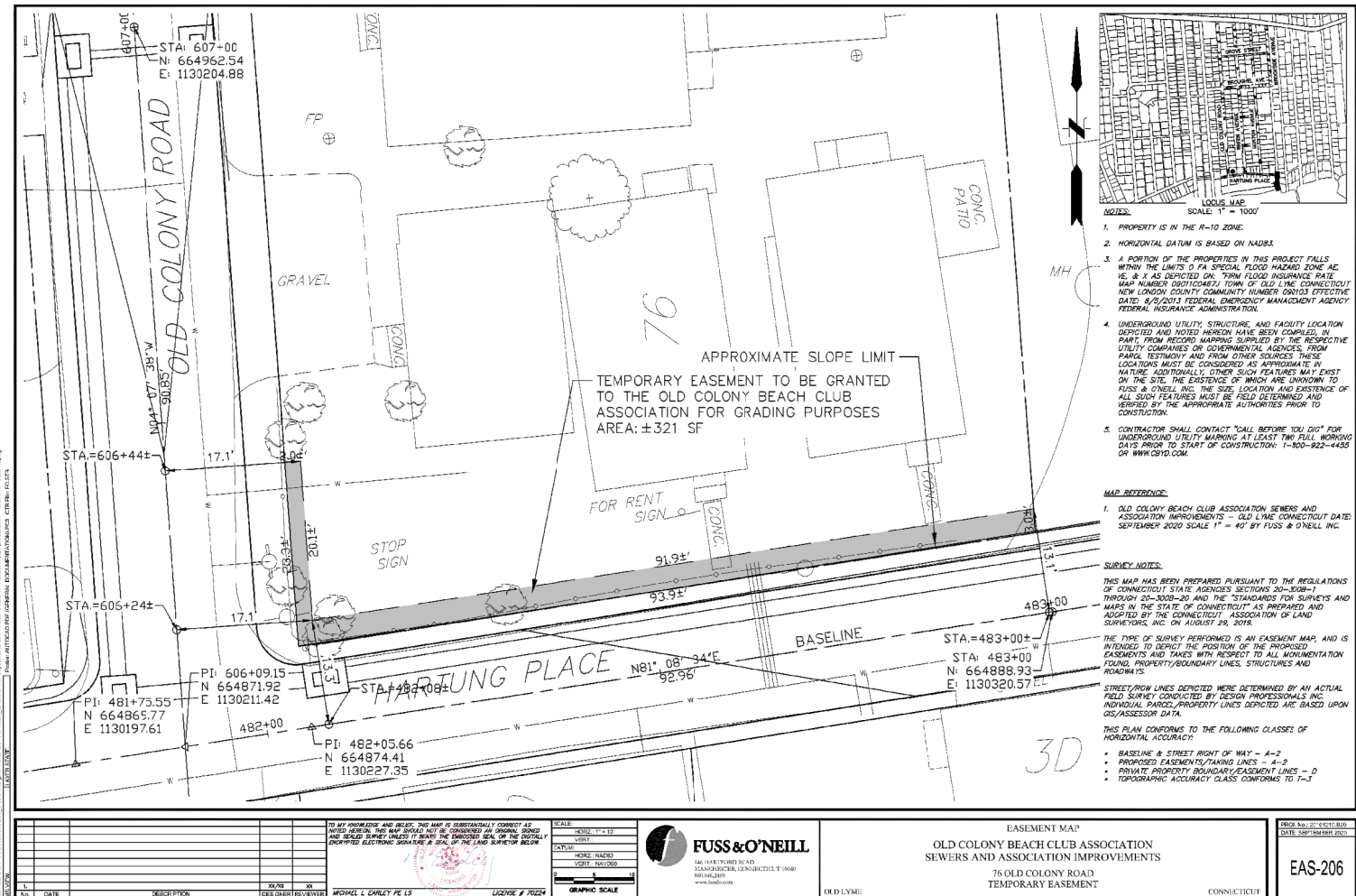
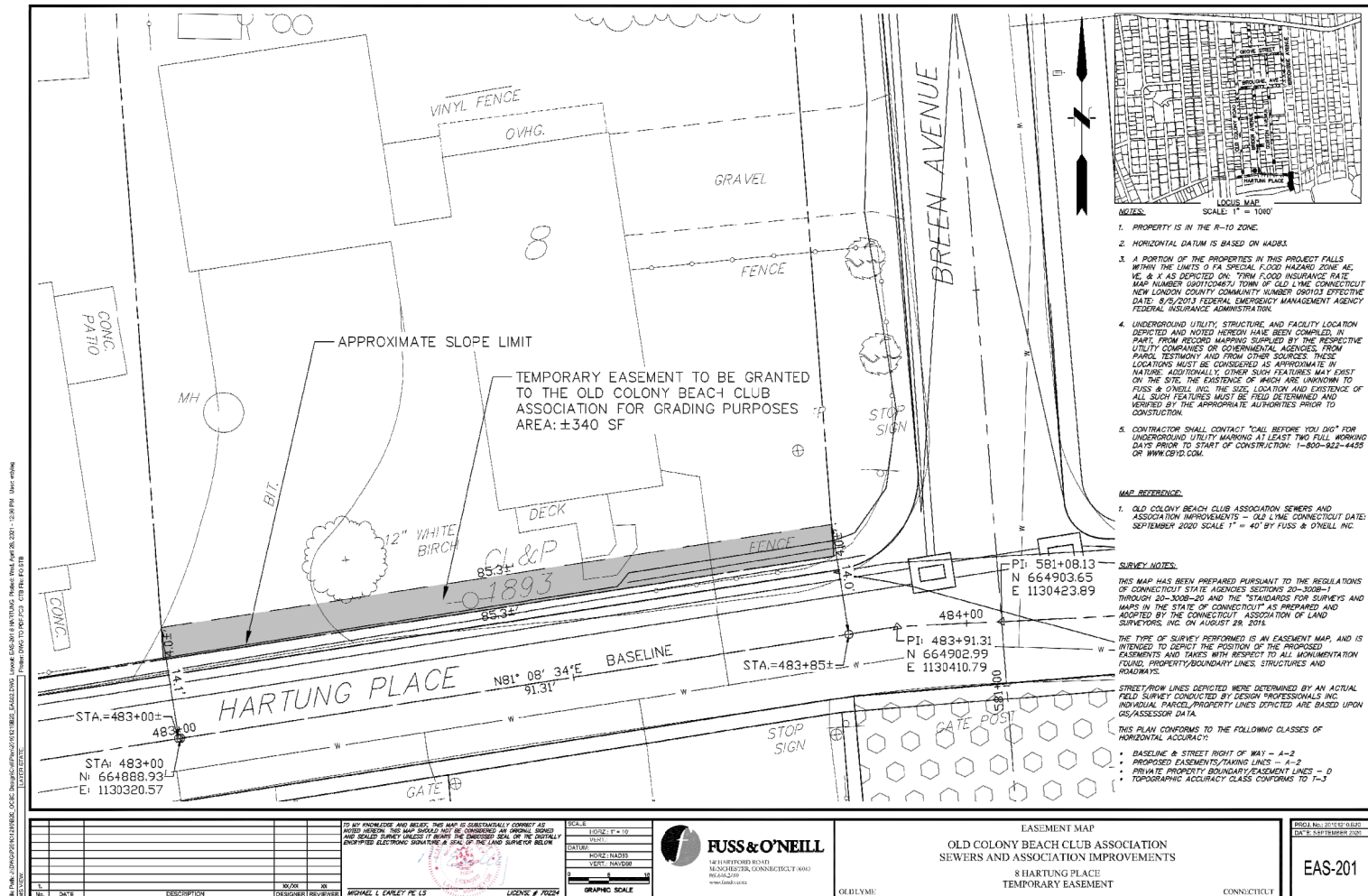
OLD COLONY BEACH CLUB ASSOCIATION
SEWER AND INFRASTRUCTURE IMPROVEMENTS

SHEET INDEX

OLD LYME CONNECTICUT

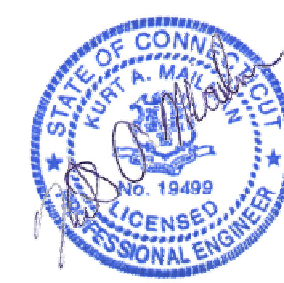
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GI-203



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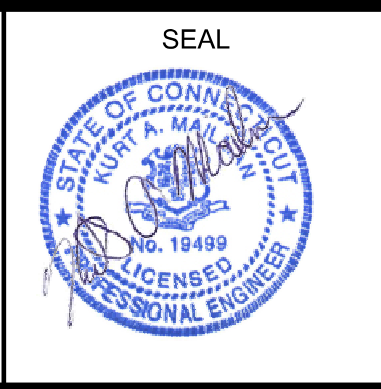
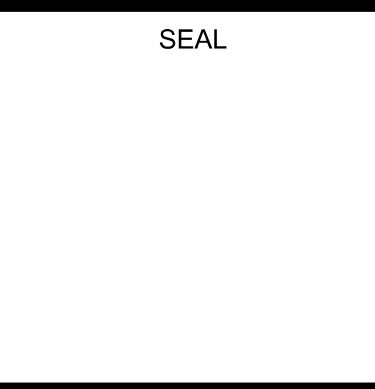


CONNECTICUT

CL-201



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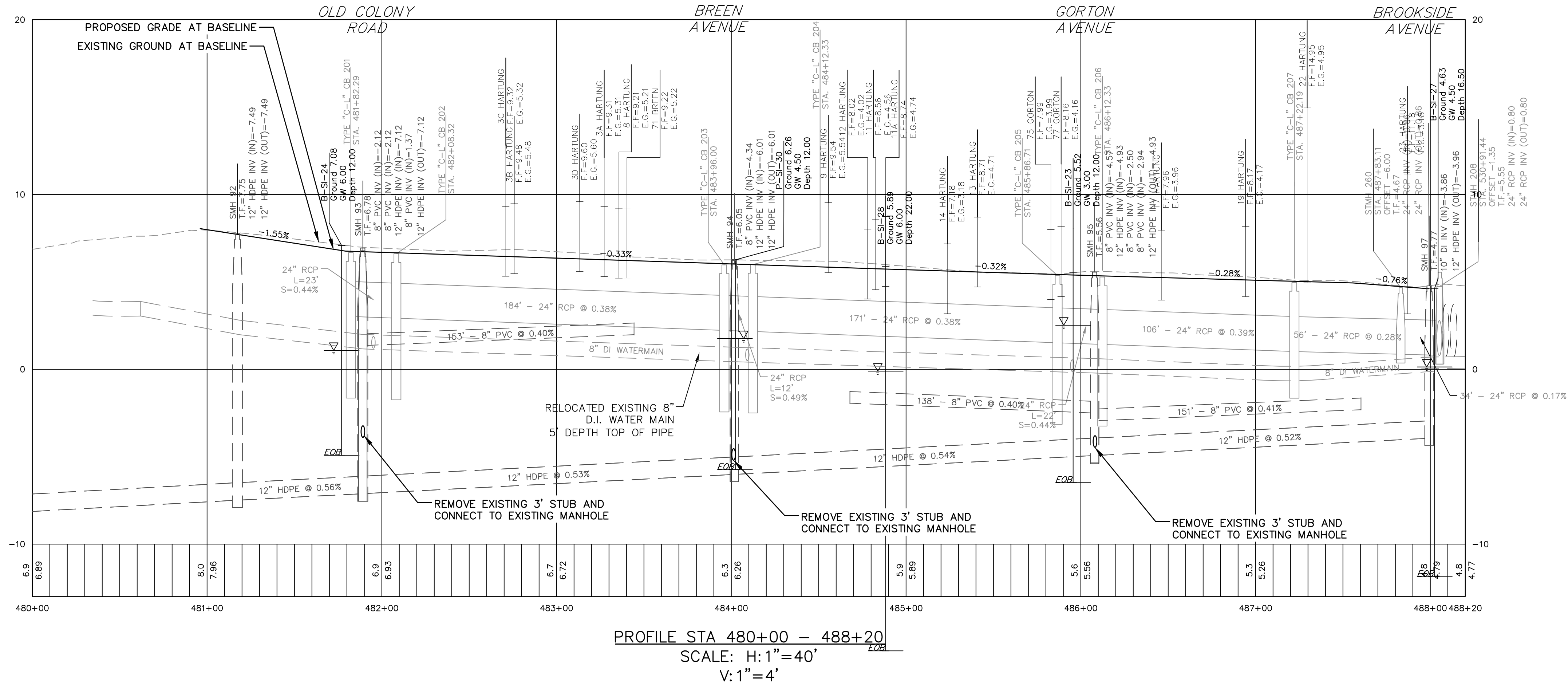
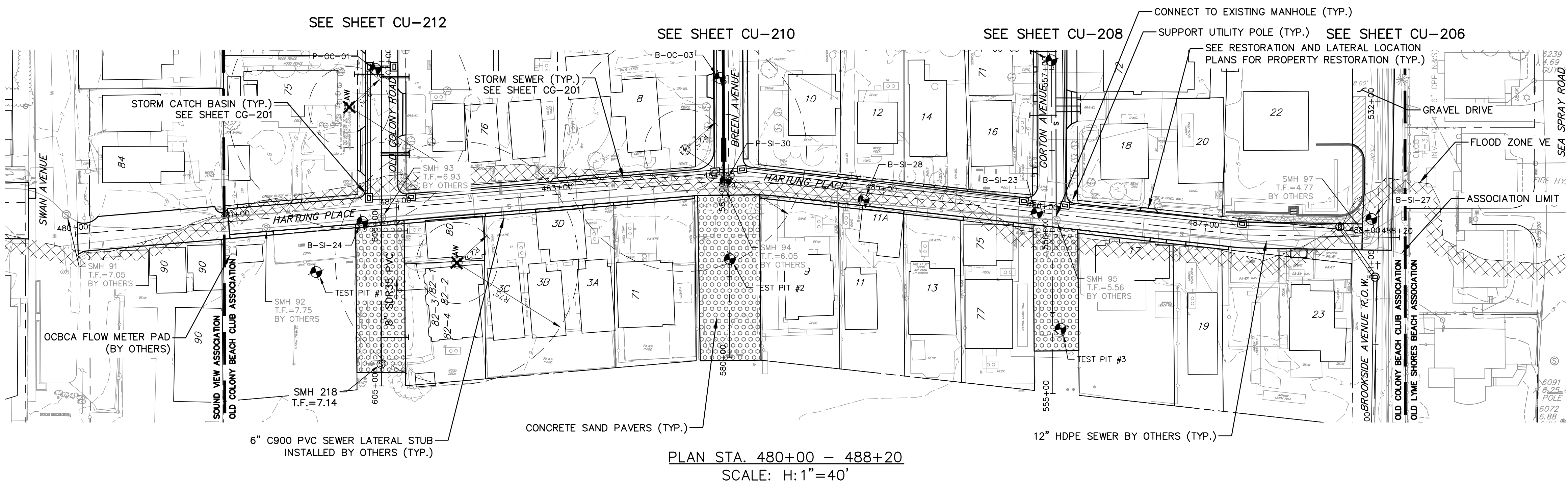


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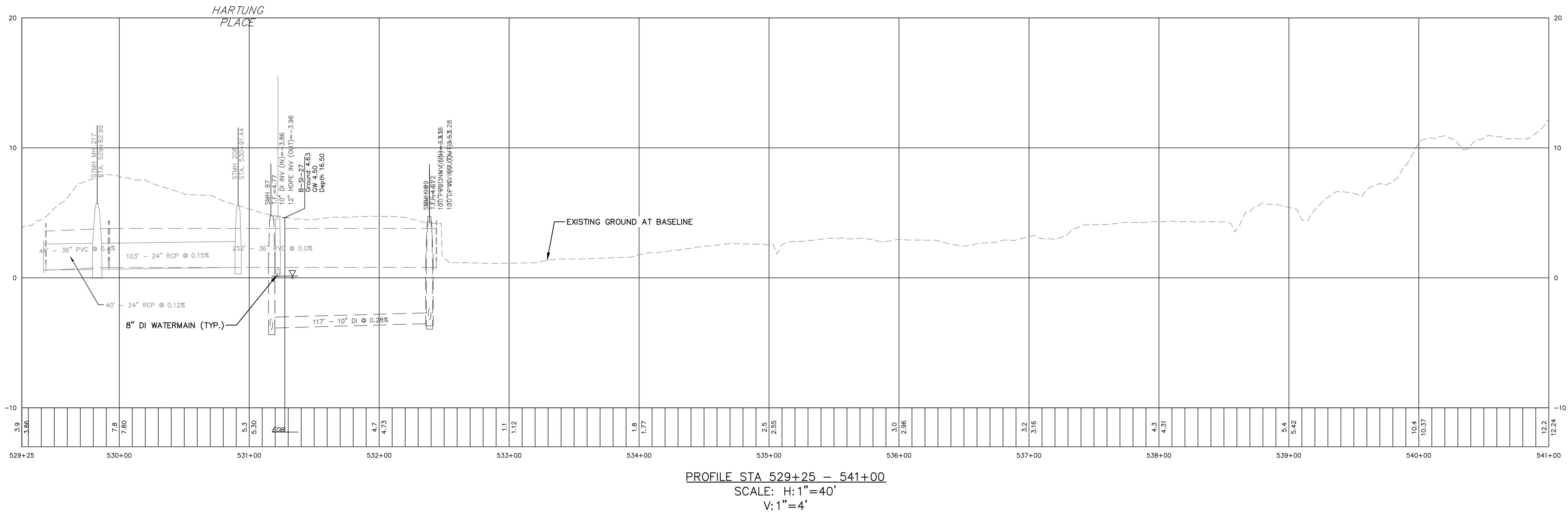
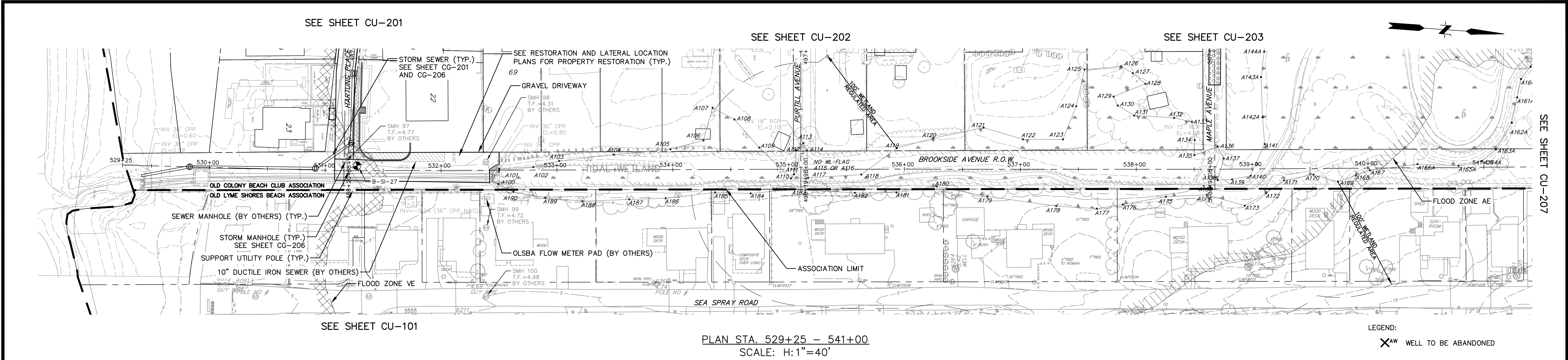


OLD COLONY BEACH CLUB ASSOCIATION SEWERS AND ASSOCIATION IMPROVEMENTS HARTUNG PLACE - SEWER STA. 480+00 - 488+20 CONNECTICUT
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PROJ. No.: 20101210_B20 DATE: AUGUST 2021 CU-201

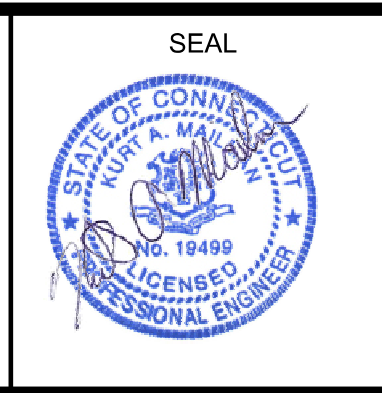


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STA. 529+25 - 541+00
OLD LYME CONNECTICUT

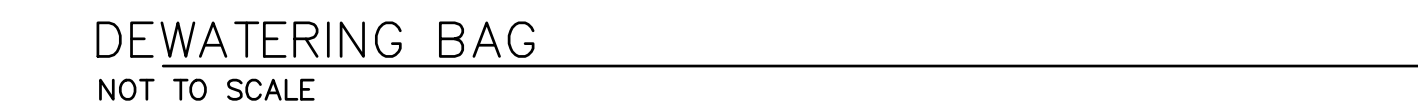
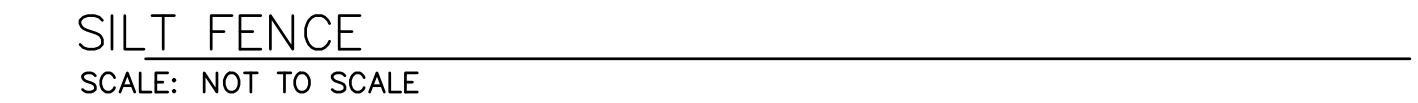
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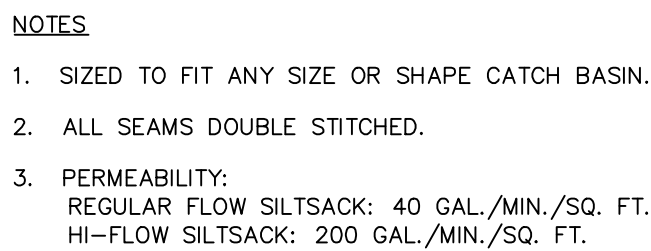
PROJ. No.: 20101210_B20
DATE: AUGUST 2021

CG-214

- 1.) INSTALL SILT FENCE & WOOD STAKES AS RECOMMENDED BY MANUFACTURER.
- 2.) SILT FENCE SUBJECT TO HEAVY LOADS SHALL BE REINFORCED WITH FARM FENCING & STEEL POSTS (0.5 POUNDS STEEL / LIN. FT.) THE MINIMUM POST LENGTH SHALL BE 5'-0".
- 3.) SYNTHETIC FILTER FABRIC SHALL BE A PERVIOUS SHEET OF PROPYLENE, NYLON, POLYESTER OR ETHYLENE FILAMENTS AND SHALL BE CERTIFIED BY THE MANUFACTURER OR SUPPLIER AS CONFORMING TO THE FOLLOWING REQUIREMENTS:



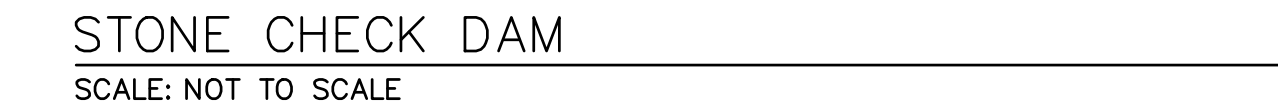
FILTERING EFFICIENCY	75% (MIN.)
TENSILE STRENGTH AT 20% (MAX.) ELONGATION	EXTRA STRENGTH 50 lbs. / LIN. IN. STANDARD STRENGTH 30 lbs. / LIN. IN. (MIN.)
FLOW RATE	0.3 GAL. / SQ. FT. / MIN. (MIN.)



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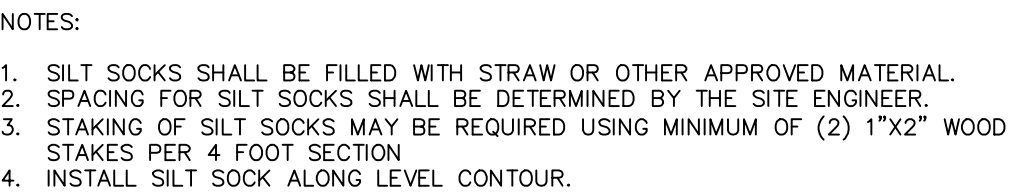


1. CONSTRUCT ALL EROSION AND SEDIMENT CONTROL MEASURES IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE "GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL" BY THE CONNECTICUT COUNCIL ON SOIL AND WATER CONSERVATION (AS AMENDED 2002). MAINTAIN AND UPGRADE CONTROL MEASURES TO ACHIEVE PROPER SEDIMENT CONTROL DURING CONSTRUCTION.
2. INSTALL ALL EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO CONSTRUCTION. NOTIFY THE TOWN OF OLD LYME INLAND WETLANDS AGENT TO INSPECT WHEN THE INSTALLATIONS ARE COMPLETE.
3. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL IDENTIFY ALL PROPOSED STOCKPILE AREAS AND OBTAIN APPROVAL OF THESE AREAS FROM THE TOWN OF OLD LYME INLAND WETLANDS AGENT. SURROUND STOCKPILE AREAS WITH HAY BALES AND/OR SILT FENCE PRIOR TO USE. NO STOCKPILES WILL BE PERMITTED WITHIN THE UPLAND REVIEW AREA.
4. KEEP LAND DISTURBANCE TO A MINIMUM; RESTABILIZE AS SOON AS PRACTICAL.
5. USE SEEDING MIXTURE FOR FINISHED GRASSED AREAS AS FOLLOWS: KENTUCKY BLUEGRASS 45%, CREEPING RED RESCUE 45%, PERENNIAL RYE GRASS 10%. APPLY SEED AT A RATE OF 4 LBS./1000 SQ. FT. APPLY FERTILIZER MIXTURE BETWEEN APRIL 1 TO JUNE 1, AND AUGUST 15 TO SEPTEMBER 15. APPLY FERTILIZER UNIFORMLY AT A RATE OF 640 LBS./ACRE.
6. FOR AREAS TO BE LEFT BARE MORE THAN 30 DAYS BEFORE FINISH GRADING AND SEEDING OUTSIDE OF PLANTING SEASONS, APPLY A HAY MULCH, FREE OF COARSE MATTER, APPLIED AT A RATE OF 70-90 LBS./1000 SQ. FT. ANCHOR ALL MULCH EITHER BY MULCH ANCHORING TOOL OR TRACKING.
7. INSTALL HAY BALE AND/OR FABRIC FILTER (SILT FENCE) AS SHOWN ON PLANS AND ALONG THE TOE OF ALL CUT AND FILL SLOPES GREATER THAN 4 HORIZONTAL TO 1 VERTICAL. WHERE EROSION CONTROL MEASURES ARE TO BE UTILIZED FOR MORE THAN SIXTY (60) DAYS, USE FILTER FABRIC IN LIEU OF HAY BALES.
8. STABILIZE STOCKPILES LEFT BARE FOR MORE THAN FIFTEEN (15) DAYS WITH TEMPORARY VEGETATION OR MULCH. DO NOT EXCEED 2 HORIZONTAL TO 1 VERTICAL SLOPES ON STOCKPILES. PLACE SILT FENCE AROUND ALL STOCKPILES, LEAVING UPGRADED ACCESS.
9. PROTECT CATCH BASINS WITH HAY BALE FILTERS AND SILT SACKS THROUGHOUT THE CONSTRUCTION PERIOD AND UNTIL ALL DISTURBED AREAS ARE THOROUGHLY STABILIZED.
10. INSTALL ADDITIONAL EROSION CONTROL MEASURES DURING THE CONSTRUCTION PERIOD IF REQUIRED, OR ORDERED BY THE TOWN OF OLD LYME.
11. THE CONTRACTOR SHALL IMPLEMENT THIS EROSION AND SEDIMENT CONTROL PLAN. IMPLEMENTATION INCLUDES THE INSTALLATION AND MAINTENANCE OF CONTROL MEASURES, INFORMING ALL PARTIES ENGAGED ON THE CONSTRUCTION SITE OF THE REQUIREMENTS AND OBJECTIVES OF THE PLAN AND NOTIFYING THE TOWN OF OLD LYME INLAND WETLANDS AGENT OF ANY TRANSFER OF THIS RESPONSIBILITY.
12. DO NOT DISCHARGE DEWATERING WATER DIRECTLY INTO WETLANDS OR WATERCOURSES. UTILIZE PROPER METHODS AND DEVICES TO THE EXTENT PERMITTED BY LAW, SUCH AS PUMPING WATER INTO A TEMPORARY SEDIMENTATION BASIN OR TRAP, PROVIDING SURGE PROTECTION AT THE INLET AND THE OUTLET OF PUMPS, OR FLOATING THE INTAKE OF THE PUMP, OR OTHER METHODS TO MINIMIZE AND RETAIN THE SUSPENDED SOLIDS. UNDER OTHER FEASIBLE MEANS OF CONTROLLING TURBIDITY IF A PUMPING OPERATION CAUSES TURBIDITY PROBLEMS. A DEWATERING BAG SHALL BE THE FINAL PART OF ANY Dewatering TREATMENT TRAIN.
13. THE TOWN OF OLD LYME INLAND WETLAND AGENT WILL BE INVITED TO THE PRE-CONSTRUCTION MEETING.
14. INSTALL APPROPRIATE EROSION CONTROL MEASURES ON ALL PROPOSED AND EXISTING CATCH BASINS, STORM DRAINS, AND STORM WATER OUTLETS. THE EXACT LOCATIONS AND TYPES OF EROSION CONTROL MEASURES WILL BE DETERMINED IN CONJUNCTION WITH THE TOWN OF OLD LYME INLAND WETLANDS AGENT.
15. NO VEHICLES OR EQUIPMENT SHALL BE PARKED FOR AN EXTENDED PERIOD OF TIME OR REFUELED WITHIN 100' OF AN INLAND WETLAND OR WATERCOURSE (UPLAND REVIEW AREA).



1. CONSTRUCTION WILL COMMENCE IN 2020 AND IS EXPECTED TO BE COMPLETED IN 2022.
2. PLACE HAY BALES, SILT FENCING, SILT SACKS AND/OR EROSION CONTROL AS SHOWN ON PLANS AND WHERE DIRECTED BY THE ENGINEER. MAINTAIN OR REPLACE HAY BALES, SILT FENCING, SILT SACKS, AND/OR EROSION CONTROL AS REQUIRED THROUGHOUT CONSTRUCTION PERIOD. PREPARE STOCKPILE AREAS AND SURROUND WITH HAY BALES AND/OR SILT FENCE.
3. BEGIN ROUGH GRADING INSTALLATION OF UTILITIES. TEMPORARILY SEED AND MULCH ALL SLOPES EXCEEDING 4 HORIZONTAL TO 1 VERTICAL IF PERMANENT STABILIZATION IS NOT COMPLETED AT THIS TIME. ALL OTHER SLOPES SHALL BE STABILIZED IN ACCORDANCE WITH NO. 6 OF "EROSION & SEDIMENT CONTROL NOTES".
4. PREPARE SUB-BASE GRADE FOR PAVING AND PREPARE ALL DISTURBED AREAS FOR PLACING TOPSOIL AND LANDSCAPING.
5. PLACE PAVEMENT, TOPSOIL, SEED AND MULCH, AND LANDSCAPING.
6. REMOVE TEMPORARY PAVEMENT AND PLACE FINAL PAVEMENT.
7. REMOVE ALL TEMPORARY EROSION CONTROL DEVICES ONLY AFTER ALL AREAS HAVE BEEN PAVED AND/OR GRASS HAS BEEN WELL ESTABLISHED AND THE SITE HAS BEEN INSPECTED AND APPROVED BY THE TOWN OF OLD LYME INLAND WETLANDS AGENT.


1. INSPECT SILT SACKS AND CATCH BASIN SUMPS AT LEAST WEEKLY AND CLEAN WHEN 1/3 FULL.
2. INSPECT OUTFALL PIPE WEEKLY OR AFTER ANY SIGNIFICANT STORM EVENT (OR DAILY WHEN THE OUTFALL HANDLES PROJECT DEWATERING) FOR DEPOSITS OF SEDIMENT. REMOVAL OF SEDIMENTS SHALL BE COORDINATED WITH THE TOWN OF OLD LYME INLAND WETLANDS AGENT.
3. INSPECT SILT FENCES AT LEAST WEEKLY. REPAIR TORN FABRIC OR BROKEN OR LEANING STAKES PROMPTLY. REMOVE ACCUMULATED SEDIMENT WHEN 1/3 HEIGHT OF FABRIC.
4. MAINTAIN OR REPLACE ALL EROSION CONTROL MEASURES DURING THE CONSTRUCTION PERIOD, AS NECESSARY OR AS ORDERED BY THE TOWN OLD LYME.
5. DISPOSE OF SEDIMENT REMOVED FROM CONTROL STRUCTURES IN A MANNER APPROVED BY THE ENGINEER.
6. INSTALL CHECK DAMS ACROSS SWALES AND SLOPES AFTER BACKFILL. INSTALL CRUSHED STONE CHECK DAMS IN GUTTERS OF STREETS THAT SLOPE TOWARD WETLANDS OR WATER BODIES. INSTALL CHECK DAMS EVERY 200' ALONG THE ROAD OR AS DIRECTED BY THE TOWN OR ENGINEER.



TYPICAL SILT SOCK INSTALLATION

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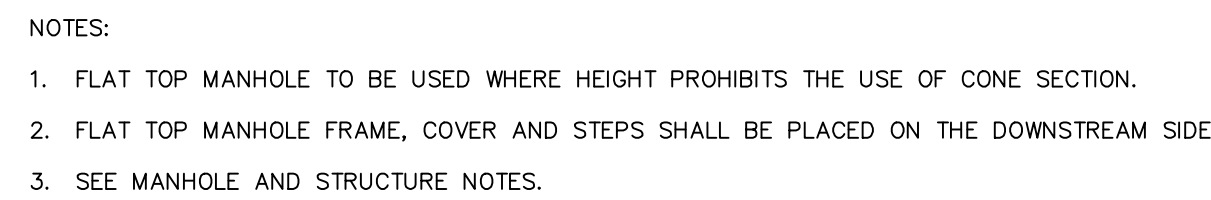
OLD COLONY BEACH CLUB ASSOCIATION
SEWERS AND ASSOCIATION IMPROVEMENTS
EROSION AND SEDIMENT CONTROL DETAILS

OLD LYME

CONNECTICUT

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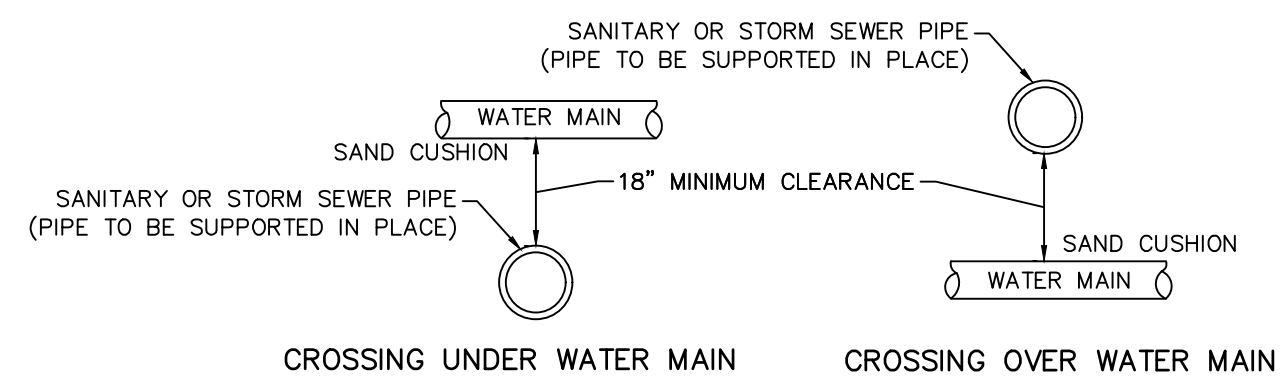
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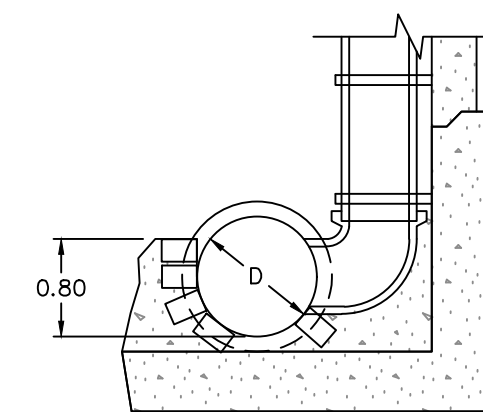
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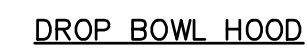
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INVERT DETAIL AT SIDE DROPS



SCALE: NOT TO SCALE



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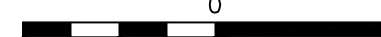
1. INSIDE FIBERGLASS DROP BOWLS ARE TO BE FABRICATED WITH MARINE GRADE FIBERGLASS AND FINISHED IN BRIGHT WHITE GEL COATING.
2. 316 STAINLESS STEEL PIPE BRACKETS TO SUPPORT DOWN PIPE.
3. INSIDE DROP BOWL HOOD MUST BE UTILIZED WITH ALL INSIDE DROP BOWLS.
4. UTILIZE FERNCO COUPLING FOR CONNECTION BETWEEN DOWN PIPE AND INSIDE DROP BOWL.

SCALE: NOT TO SCALE



SCALE: NOT TO SCALE

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SEWERS AND ASSOCIATION IMPROVEMENTS
SANITARY SEWER DETAILS

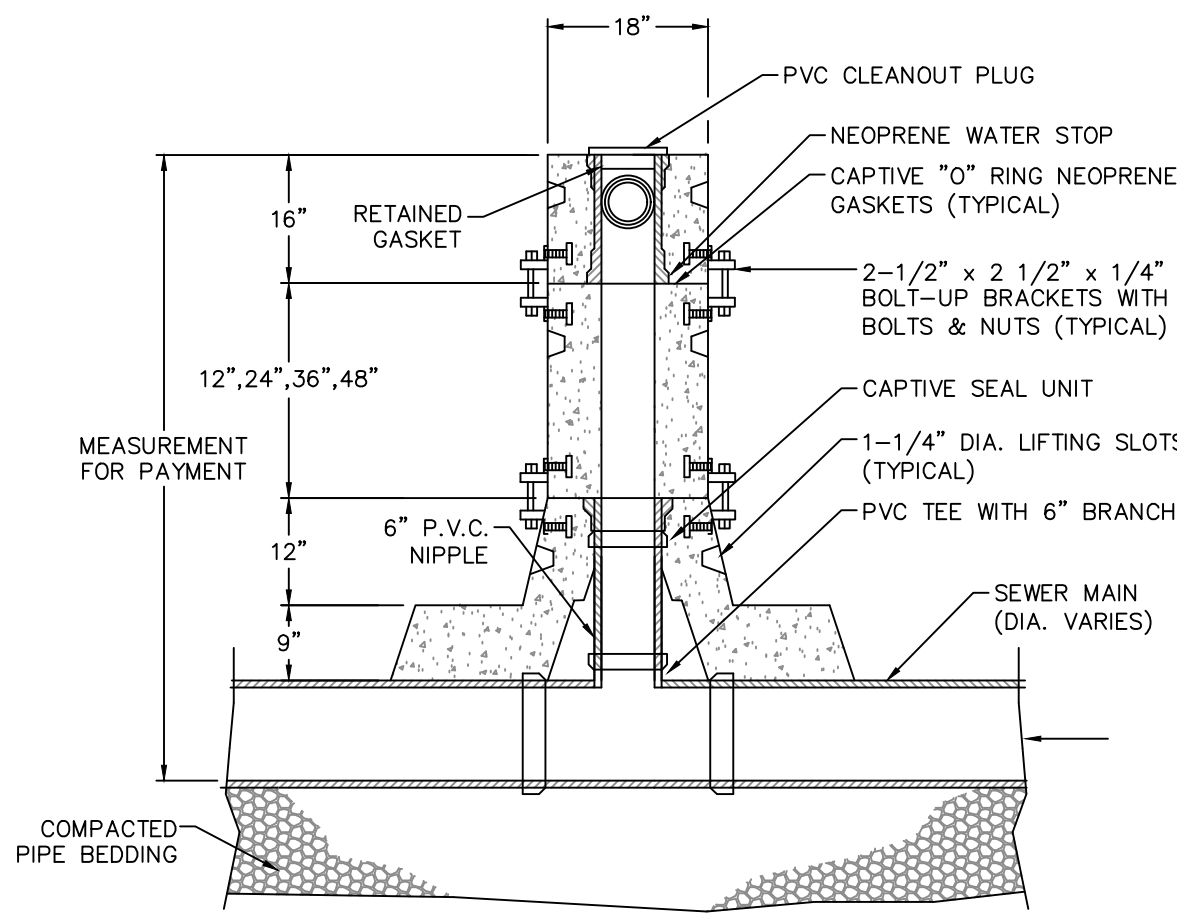
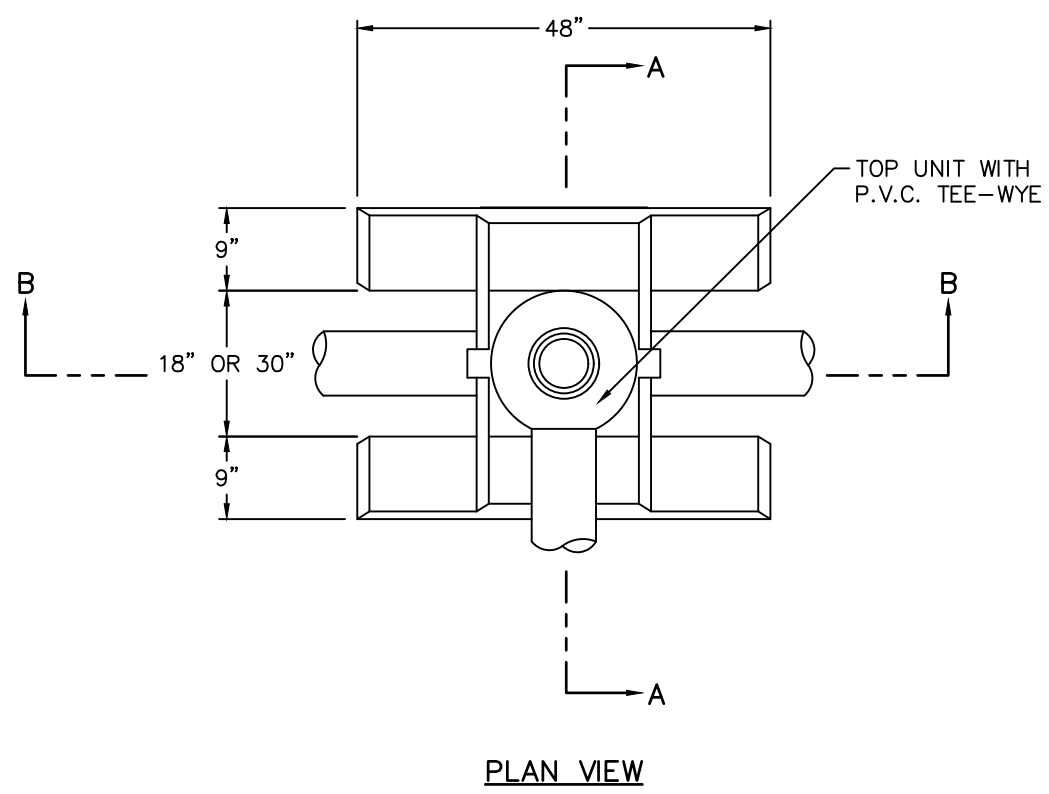
OLD LYME

CONNECTICUT

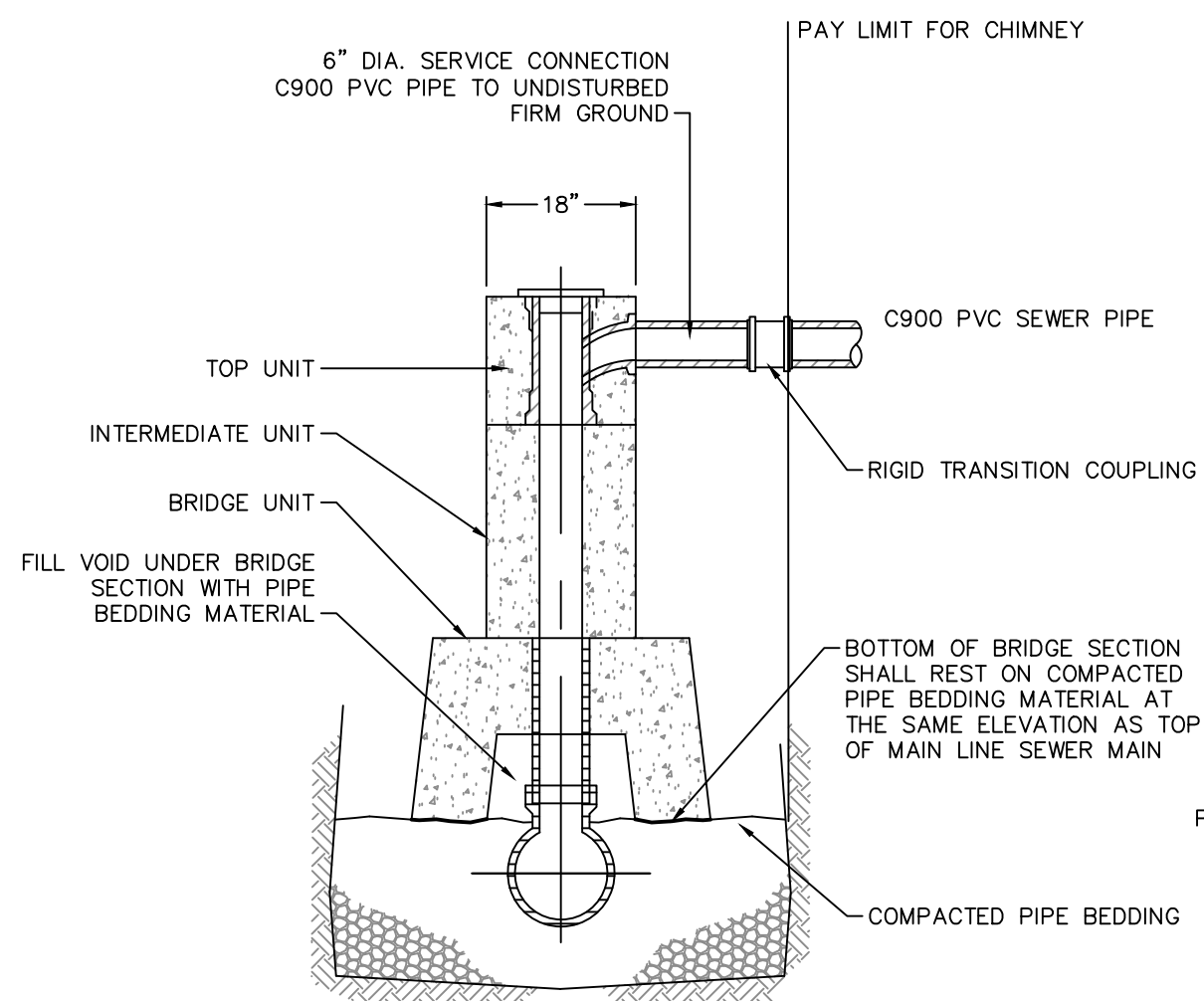
PROJ. No.: 20101210.B20
DATE: AUGUST 2021

CD-203

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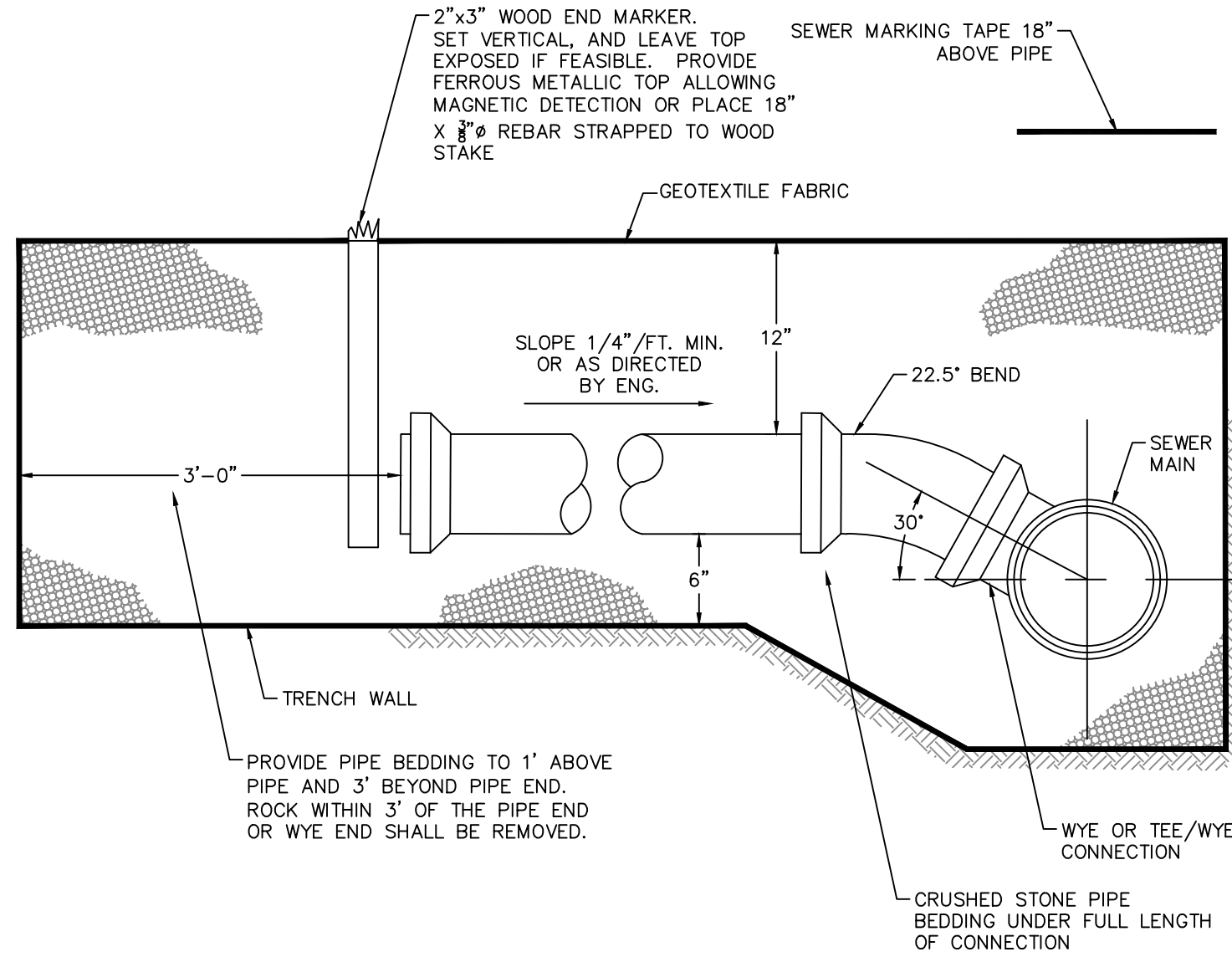


SECTION B-B



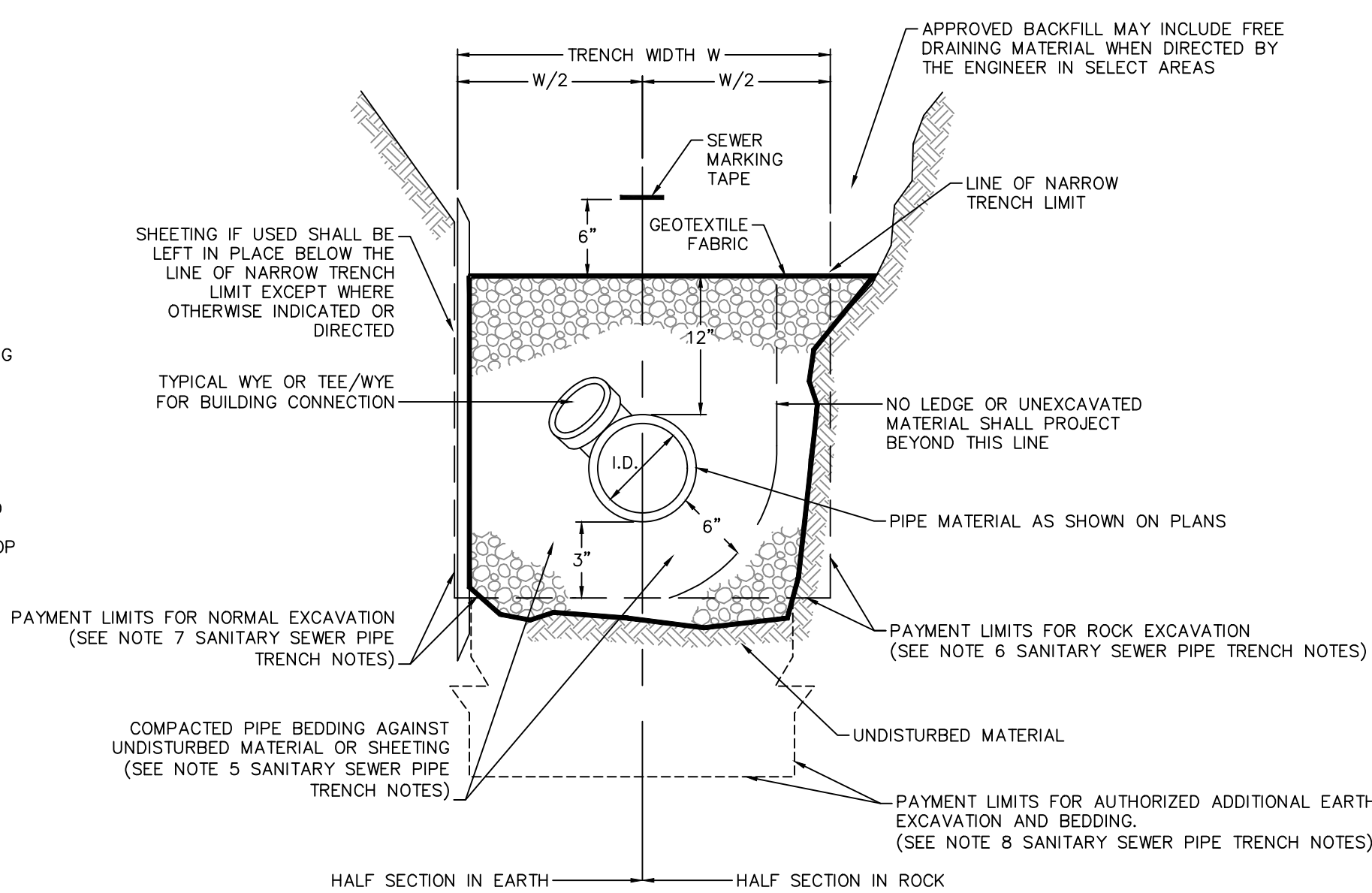
SECTION A-A

PRECAST SANITARY SEWER CHIMNEY
SCALE: NOT TO SCALE

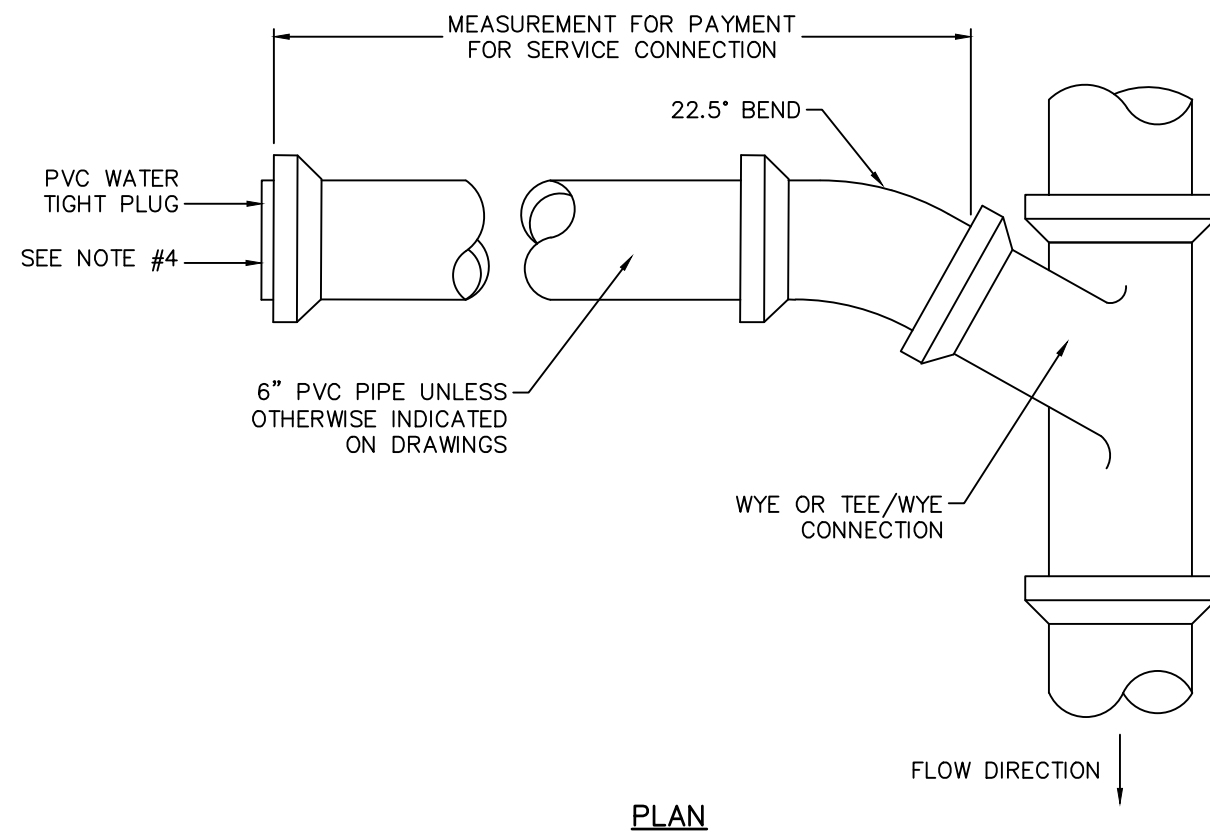


ELEVATION

SEWER SERVICE CONNECTIONS
SCALE: NOT TO SCALE

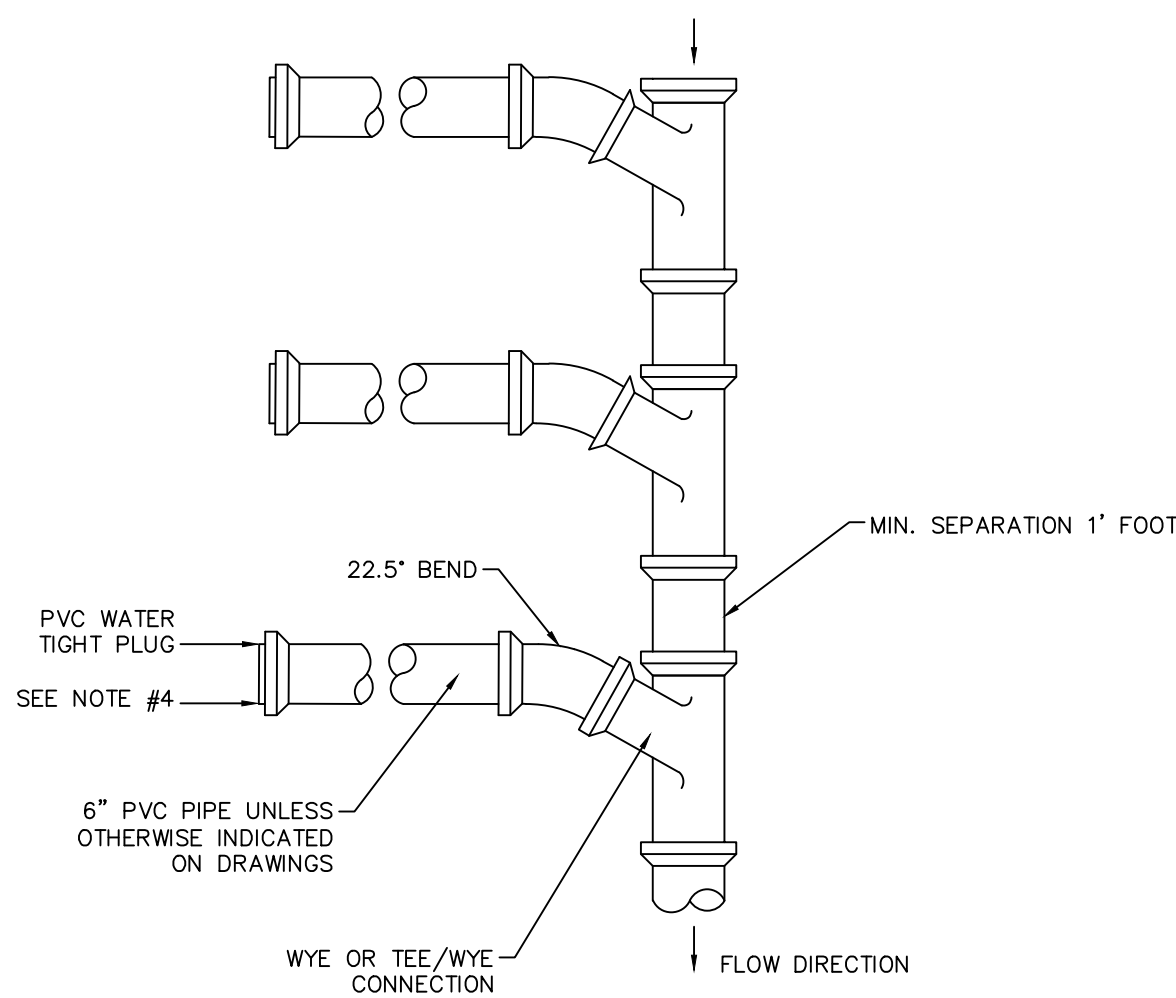


TYPICAL SEWER TRENCH
SCALE: NOT TO SCALE



SERVICE CONNECTION NOTES

1. NO LEDGE OR UNEXCAVATED MATERIAL SHALL PROJECT WITHIN 6" OF THE PIPE IN ANY DIRECTION
2. EXACT LOCATION AND ELEVATION OF SERVICE CONNECTIONS TO BE DETERMINED AND SET IN THE FIELD DURING CONSTRUCTION
3. EXACT LOCATION OF WYES/TEES, WHERE DIRECTED TO BE INSTALLED, SHALL BE SET IN THE FIELD DURING CONSTRUCTION



SERVICE CONNECTION NOTES

1. NO LEDGE OR UNEXCAVATED MATERIAL SHALL PROJECT WITHIN 6" OF THE PIPE IN ANY DIRECTION
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MULTIPLE SEWER SERVICE CONNECTIONS
SCALE: NOT TO SCALE

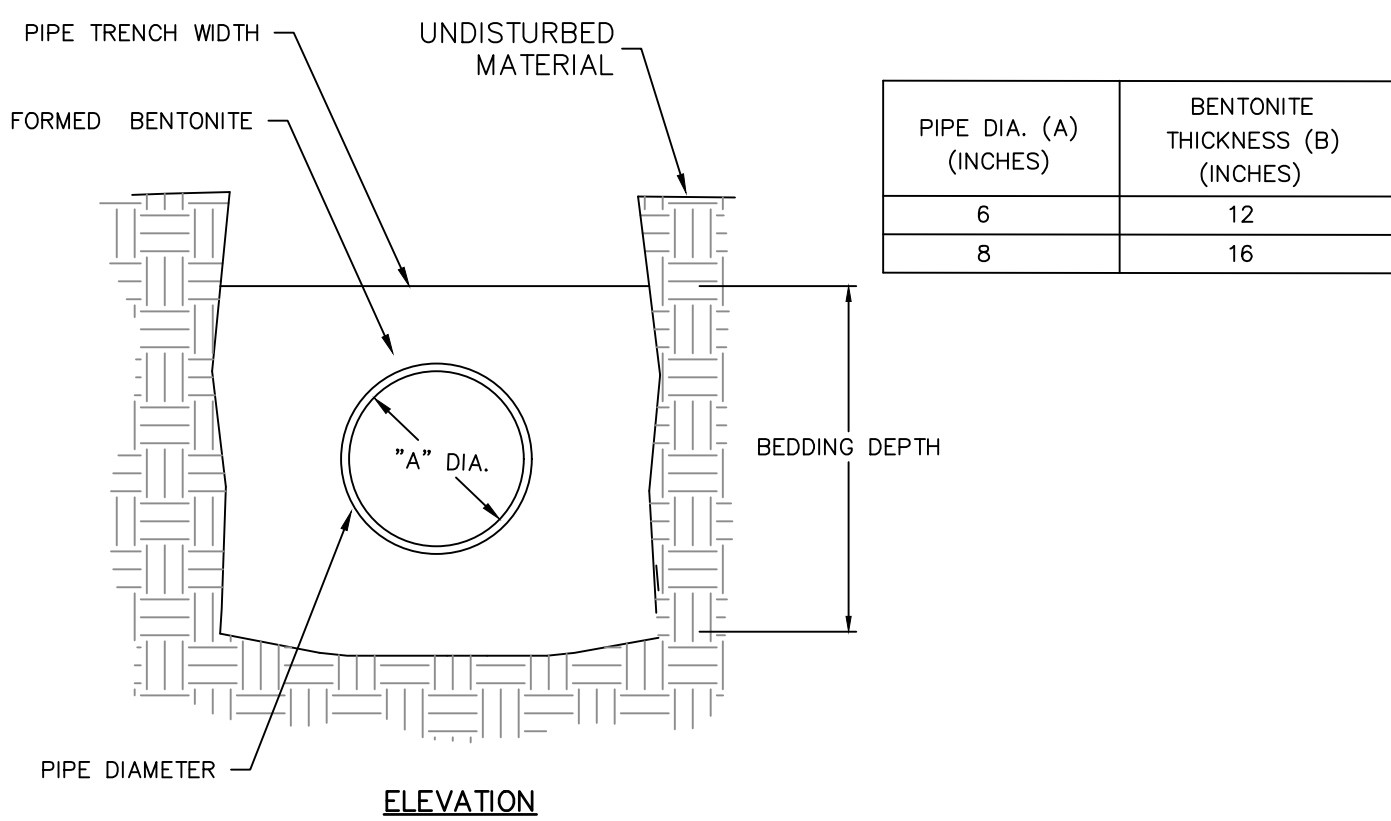
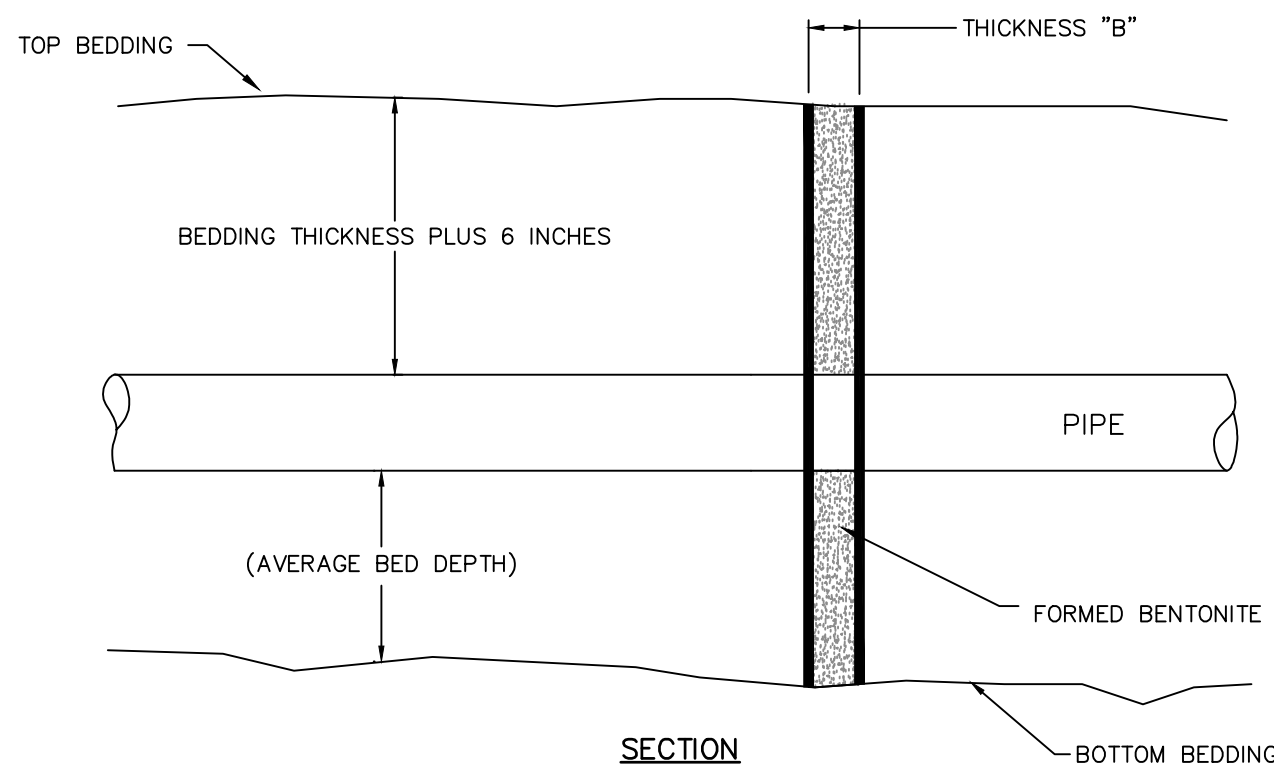
SANITARY SEWER PIPE TRENCH NOTES

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



BENTONITE TRENCH DAM
SCALE: NOT TO SCALE

No.	DATE	DESCRIPTION	SAL	MEG
1.				

SEAL



SEAL

SCALE:	HORIZ.: NTS
	VERT.: NTS
DATUM:	HORIZ.:
	VERT.:
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	GRAPHIC SCALE

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SEWERS AND ASSOCIATION IMPROVEMENTS
SANITARY SEWER DETAILS
OLD LYME CONNECTICUT

PROJ. No.: 20101210.B20
DATE: AUGUST 2021
CD-204

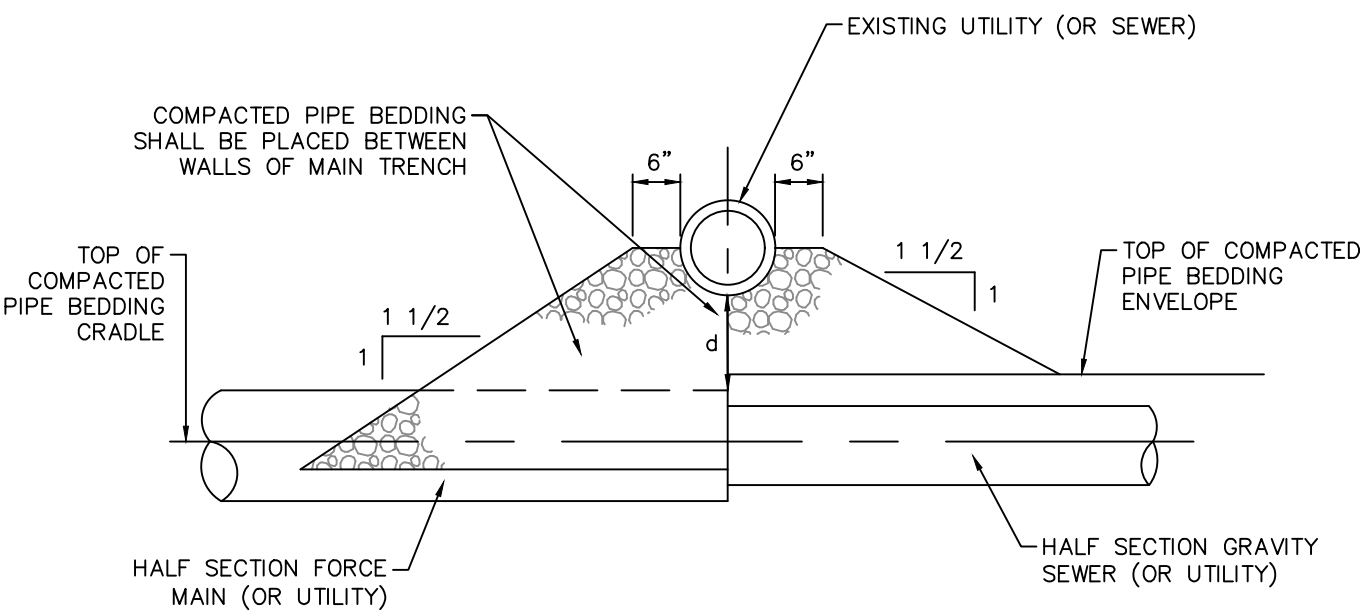
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SANITARY SEWER CASING PIPE TRENCH NOTES

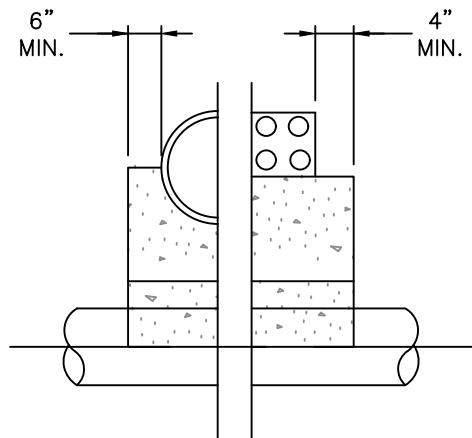
1. SPACERS FOR CARRIER PIPE SHALL BE STAINLESS STEEL, NEOPRENE OR APPROVED EQUAL AND SHALL BE INSTALLED TO CENTER CARRIER PIPE WITHIN CASING WITH A MAX TOLERANCE OF 1" BETWEEN RUNNER. SPACERS SHALL PREVENT THE CARRIER PIPE FROM RESTING ON INVERT OF CASING PIPE. FOLLOW MANUFACTURES RECOMMENDATIONS FOR SPACING AND NUMBER OF SPACERS.
2. SPACERS TO BE PLACED A MIN OF 1 FT BACK FROM START OF CASING.
3. WHEN INSTALLING GRAVITY PIPE WITH CASING CONTRACTOR SHALL TAKE INTO CONSIDERATION PIPE GRADE SO THAT THE SEWER PIPE MAINTAINS THE PROPER SLOPE.
4. THE DOUBLE WALL DETAILS SHALL BE UTILIZED IN INSTANCES WHERE THE PROPOSED SEWER CONFLICTS WITH THE 25 FOOT RADIUS OF AN EXISTING PRIVATE WELL.

GRAVITY

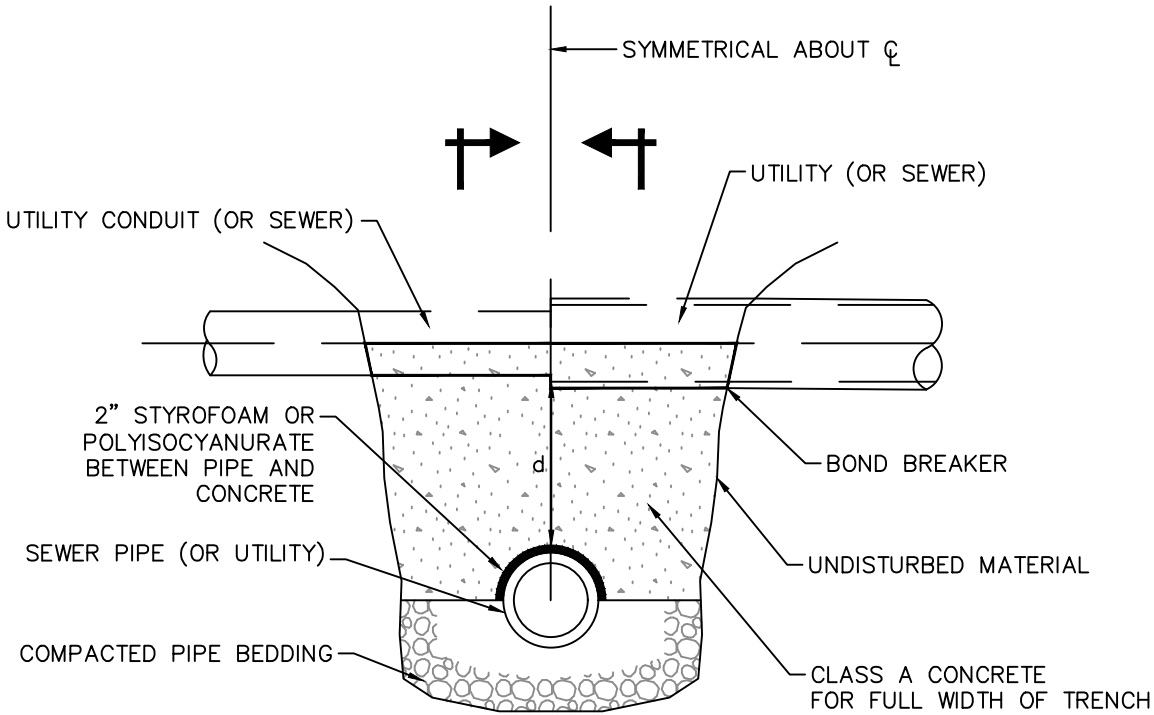
NOMINAL PIPE SIZE DIA IN INCHES	MIN CASING SIZE INSIDE DIA IN INCHES
6	12
8	14



TYPE A (d > 12")



HALF SECTION

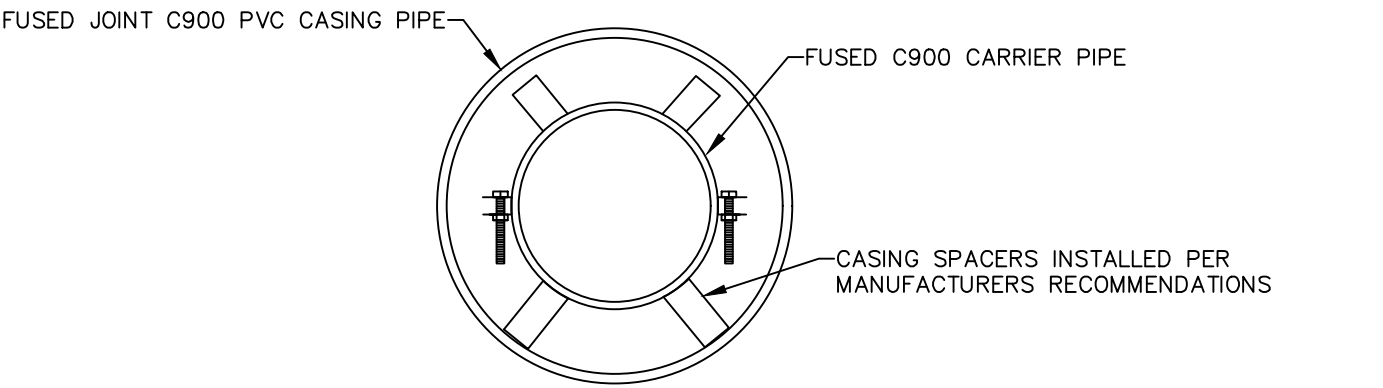


TYPE B (d < 12")

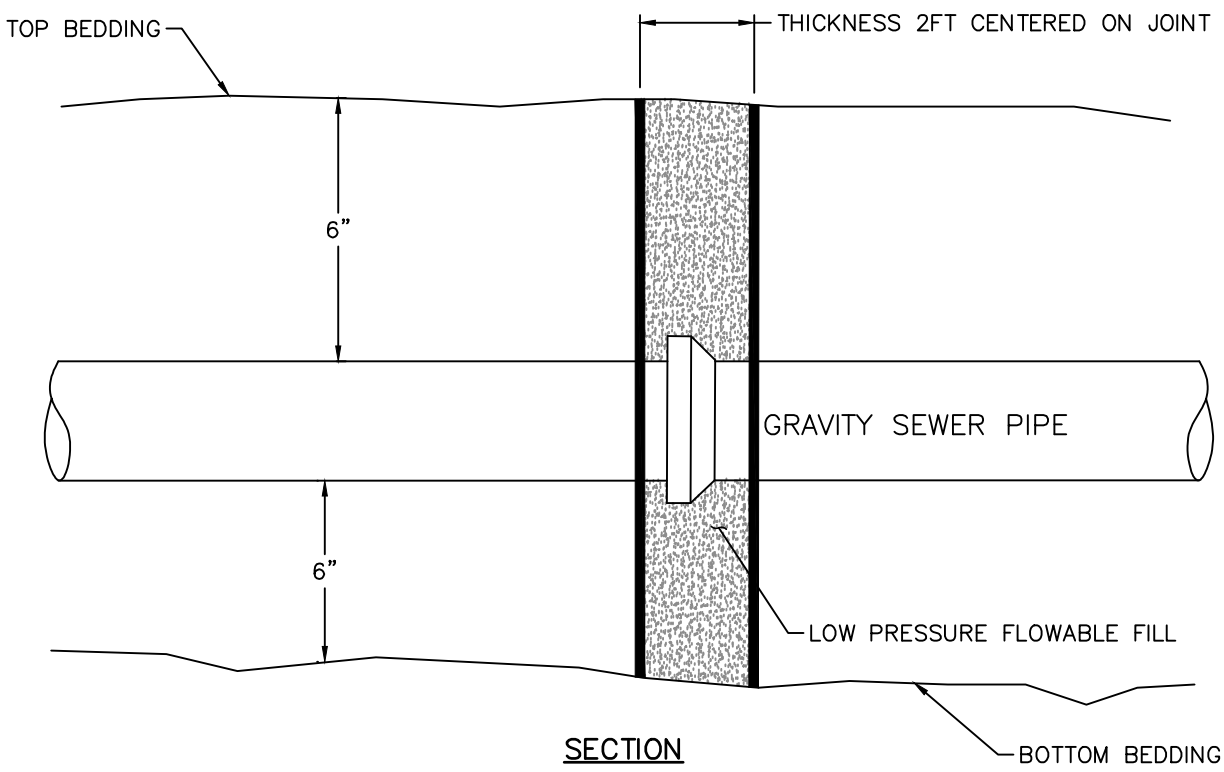
UTILITY SUPPORT NOTES

1. d=DISTANCE FROM TOP OF SEWER PIPE TO THE BOTTOM OF THE UTILITY PIPE
2. SUPPORTS TO BE LOCATED AS SHOWN ON THE DRAWINGS OR AS DIRECTED BY THE ENGINEER

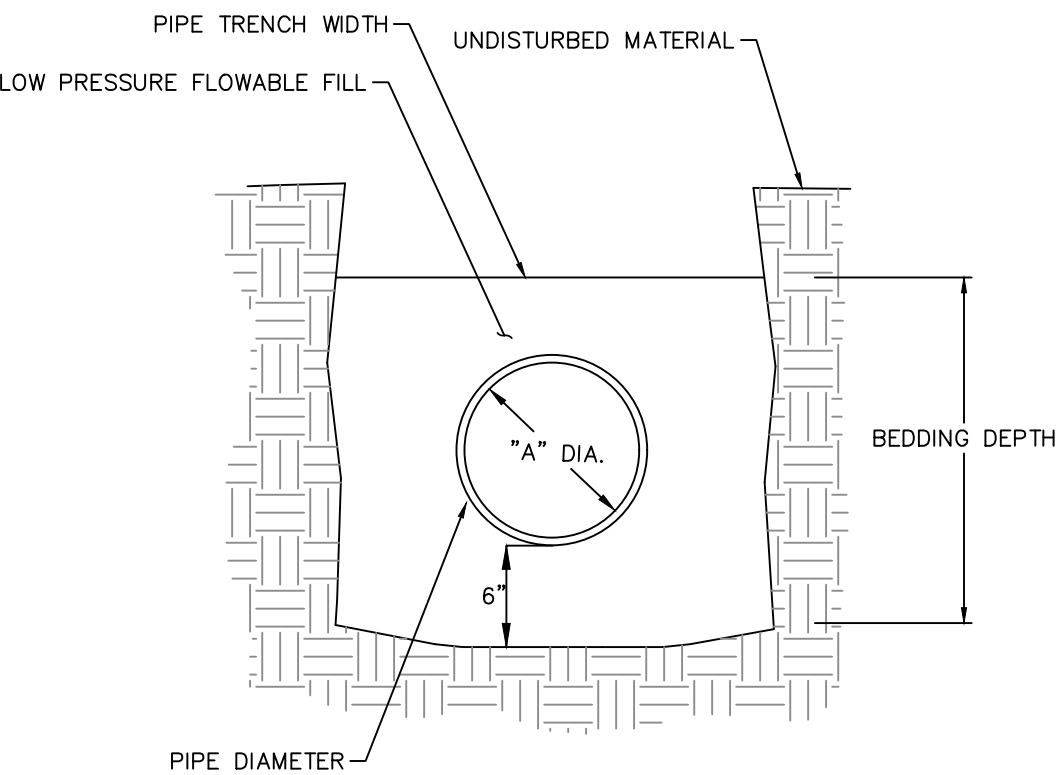
TYPICAL SUPPORT FOR UTILITIES
SCALE: NOT TO SCALE



DOUBLE WALL CARRIER PIPE SECTION
SCALE: NOT TO SCALE

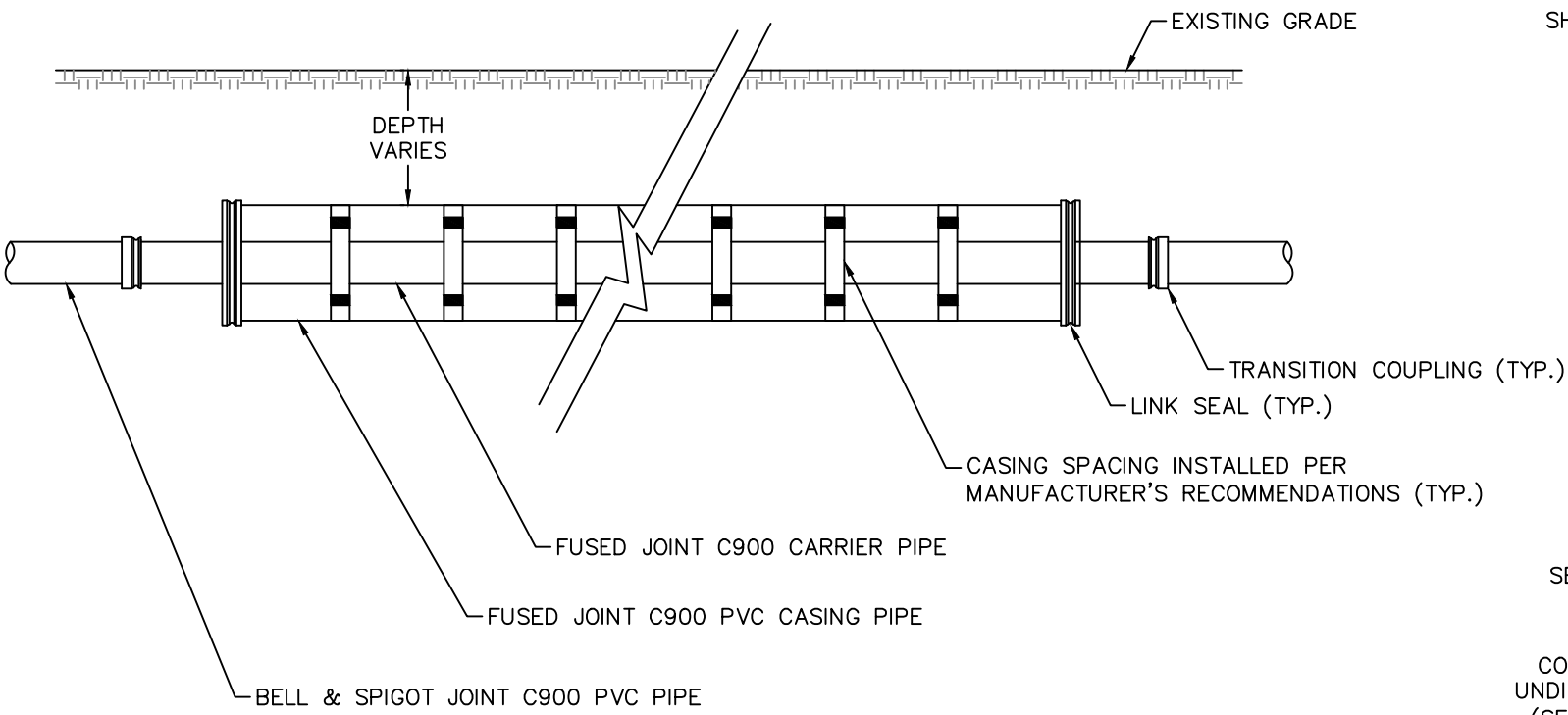


SECTION



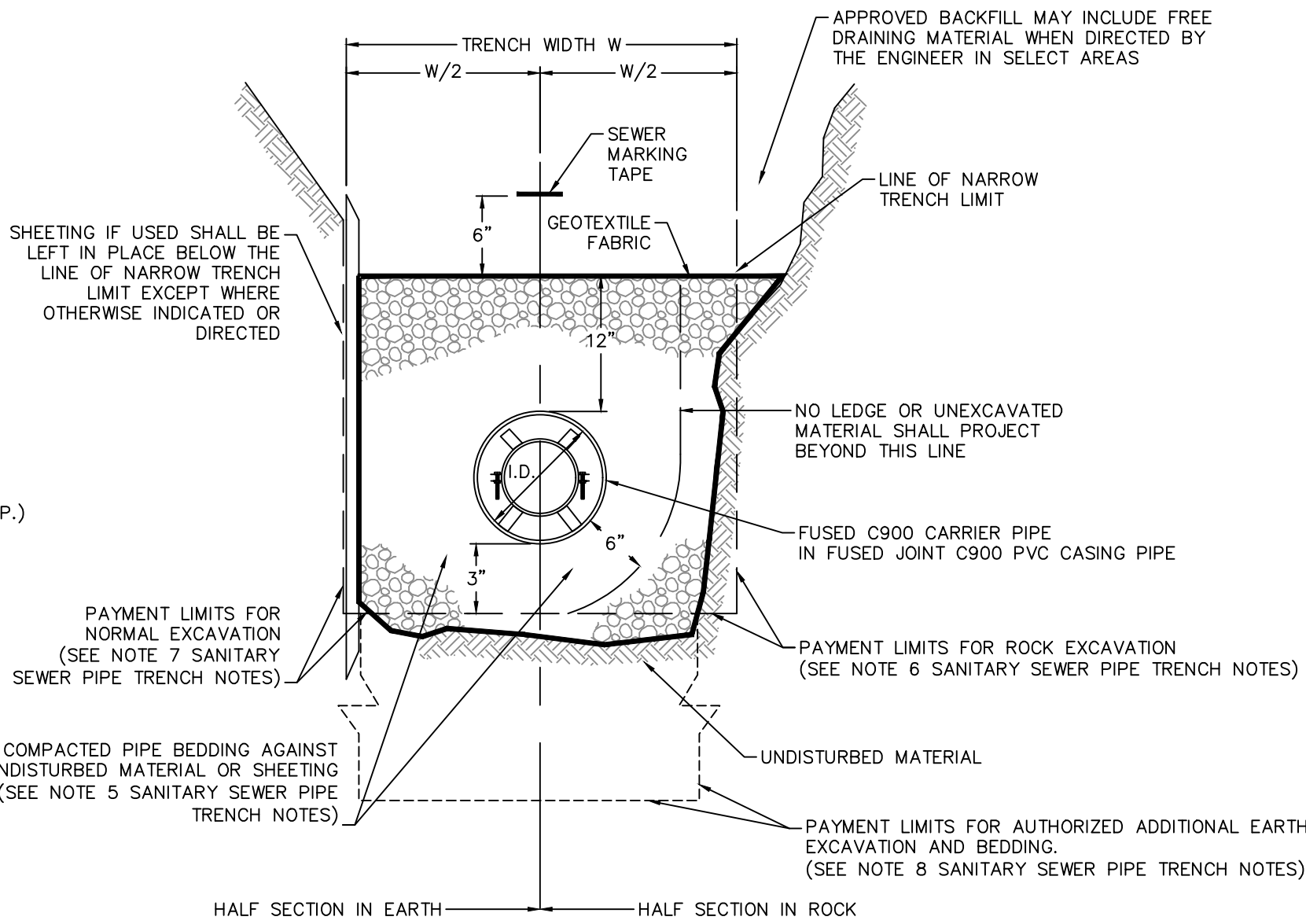
ELEVATION

SEWER JOINT ENCASEMENT WITHIN 75FT WELL RADII
SCALE: NOT TO SCALE

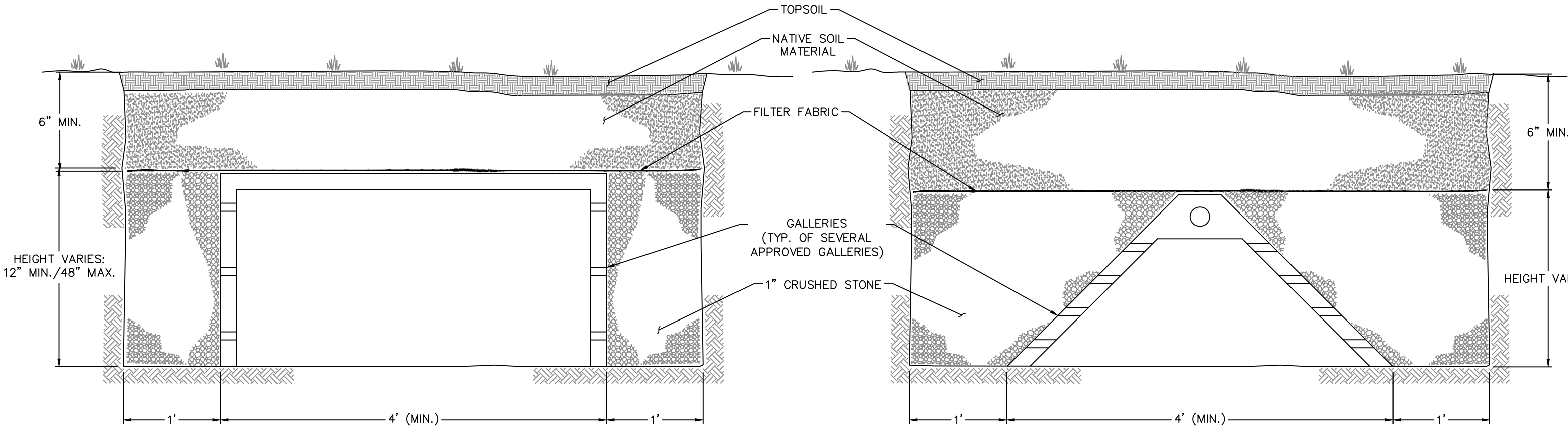


GRAVITY SEWER

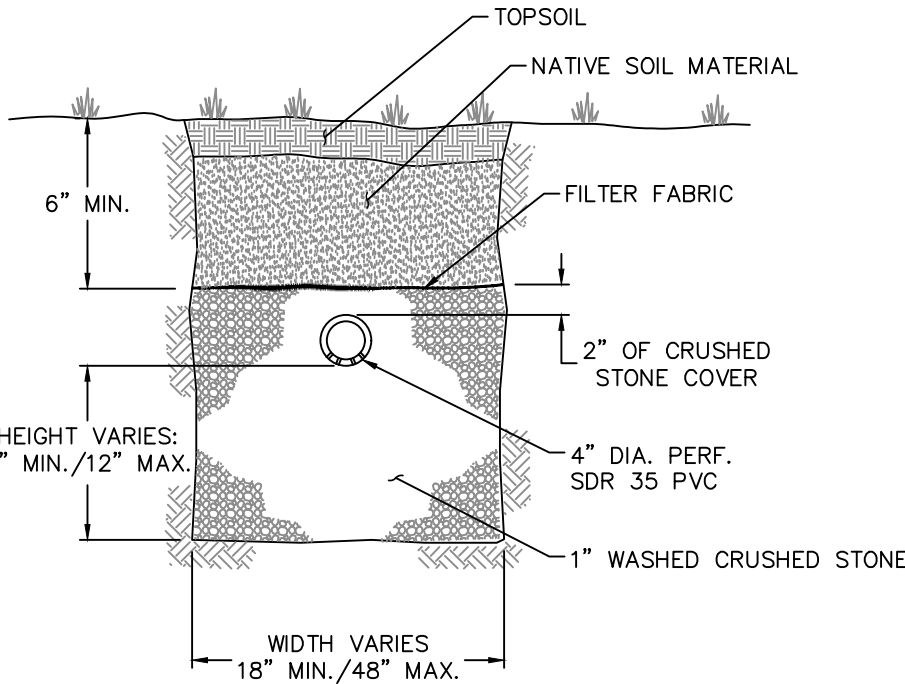
DOUBLE WALL CARRIER PIPE PLAN
SCALE: NOT TO SCALE



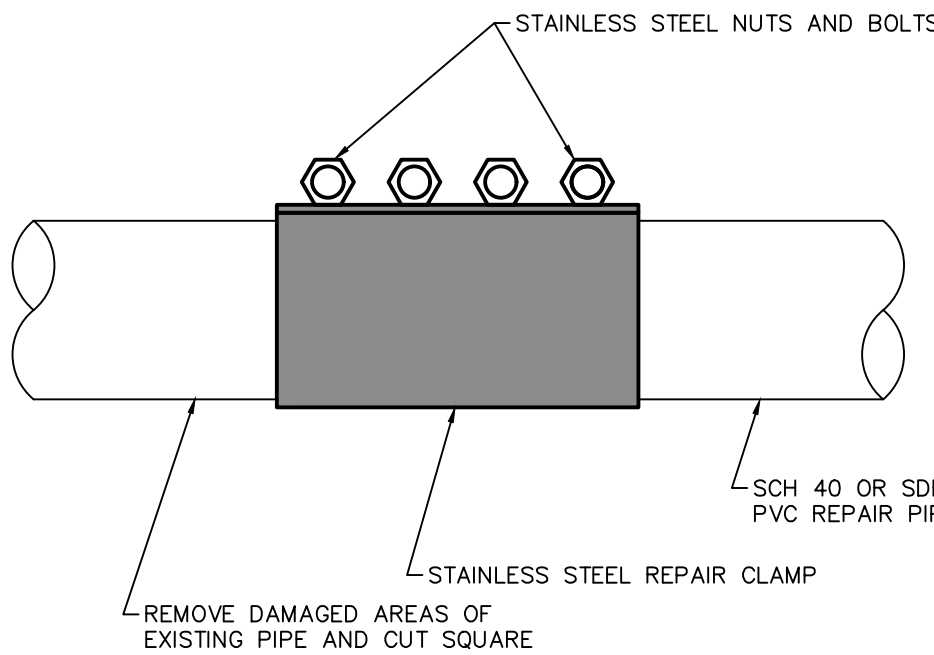
DOUBLE WALL CARRIER PIPE TYPICAL TRENCH SECTION
SCALE: NOT TO SCALE



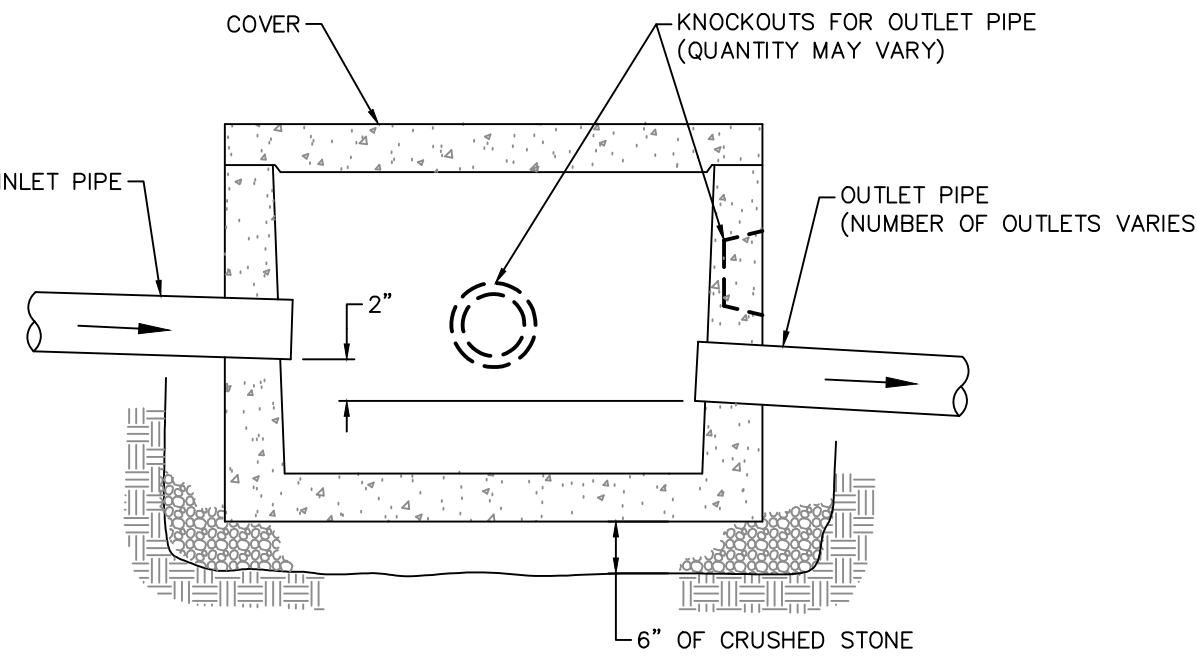
TYPICAL LEACHING GALLERIES



TYPICAL LEACHING TRENCH REPAIR



PIPE REPAIR



DISTRIBUTION BOX REPAIR

LEACHING FACILITY REPAIR DETAILS
SCALE: N.T.S.

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER
1.			SAL	MEG

SEAL



SEAL

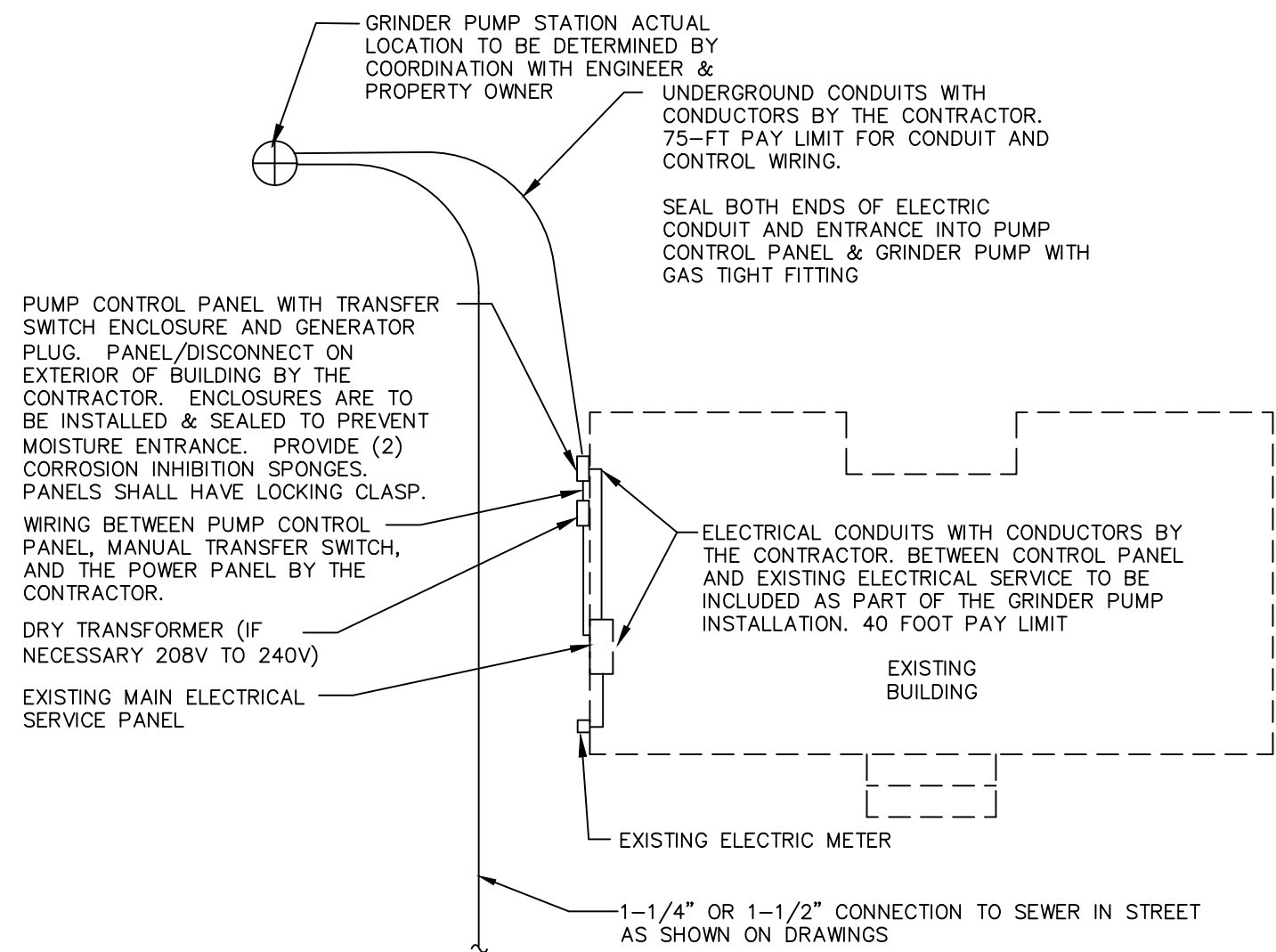
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SEWERS AND ASSOCIATION IMPROVEMENTS
SANITARY SEWER DETAILS
OLD LYME CONNECTICUT

PROJ. No.: 20101210.B20
DATE: AUGUST 2021
CD-205

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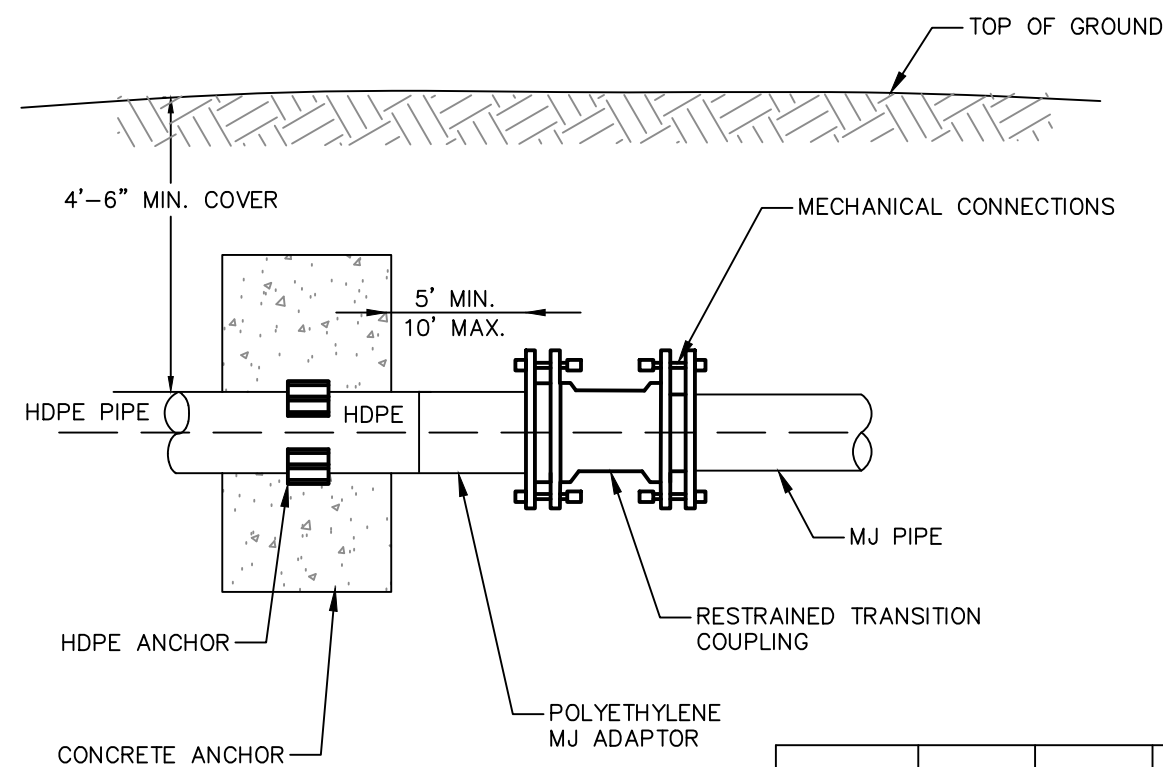


NOTES

1. INSTALL GRINDER PUMP STATION CONTROL PANEL AS RECOMMENDED BY MANUFACTURER.
2. CONTRACTOR SHALL VERIFY THAT CAPACITY OF EXISTING ELECTRIC SERVICE WILL ACCOMMODATE NEW LOAD.
3. CONTRACTOR SHALL PROVIDE FOR ADEQUATE CAPACITY IF UPGRADING IS REQUIRED.
4. AN AUTOMATIC TRANSFER SWITCH SHALL BE PROVIDED WITHIN THE CONTROL PANEL TO AUTOMATICALLY SWITCH FROM AC POWER TO GENERATOR POWER DURING A POWER OUTAGE
5. CONTROL PANEL TO BE LOCATED WHERE VISIBLE FROM GRINDER PUMP AND ROAD. COORDINATE WITH PROPERTY OWNER AND ENGINEER.
6. ELECTRICAL CONFIGURATION VARIES FROM HOUSE TO HOUSE.

TYPICAL GRINDER PUMP STATION LAYOUT

SCALE: NOT TO SCALE

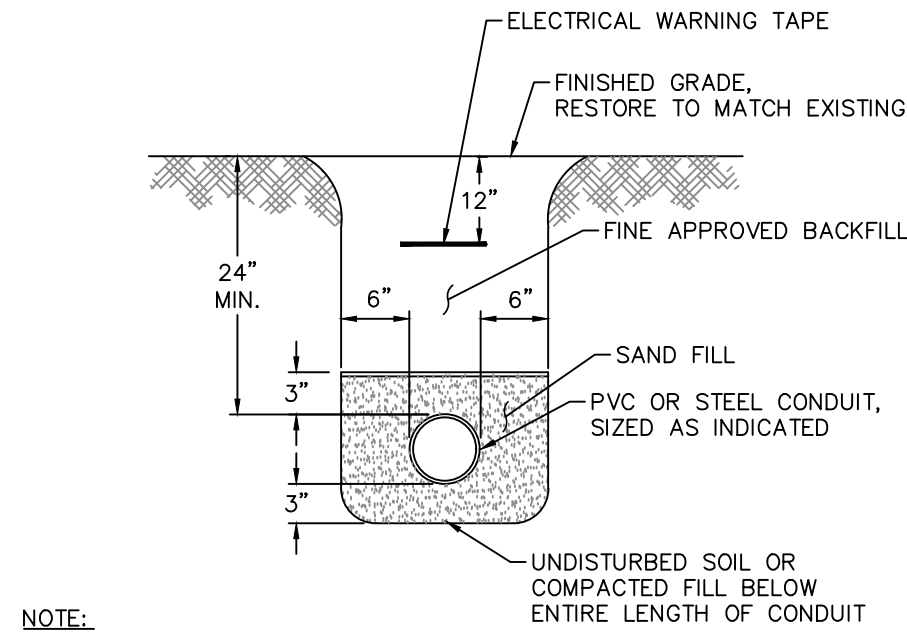


NOTE: IN-LINE PIPE ANCHORS REQUIRED AT ALL D.I. TO HDPE PIPE TRANSITIONS.

PIPE DIA. (INCHES)	LENGTH (FT)	WIDTH (FT)	HEIGHT (FT)
3	1	2	1
4	1	2	1
6	2	4	2

IN-LINE PIPE ANCHOR

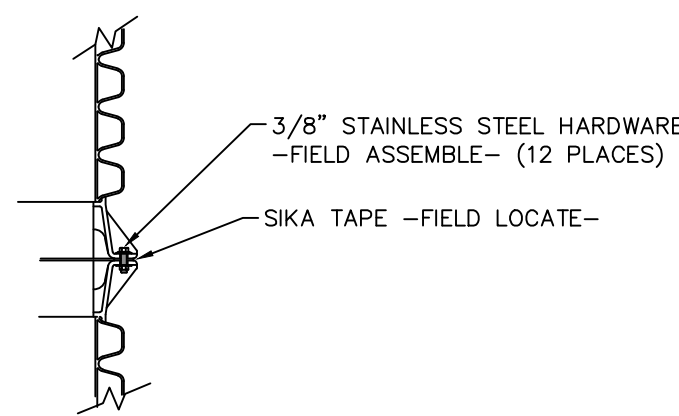
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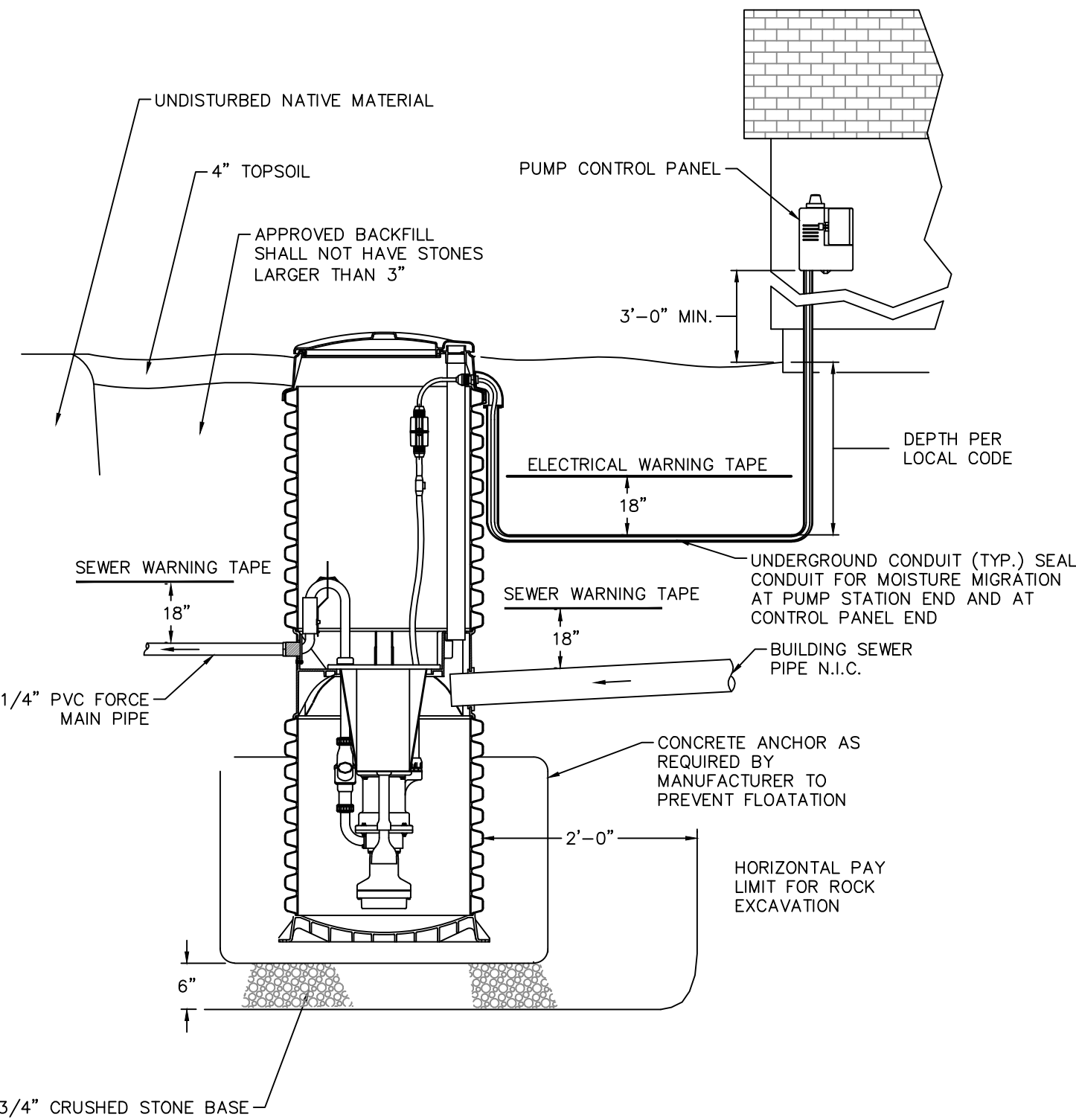
NOTE: ALL DIMENSIONS ARE MINIMUM REQUIREMENTS.

TYPICAL SINGLE CONDUIT IN TRENCH

SCALE: NOT TO SCALE



FIELD JOINT DETAIL
(FOR MODELS TALLER THAN 93")

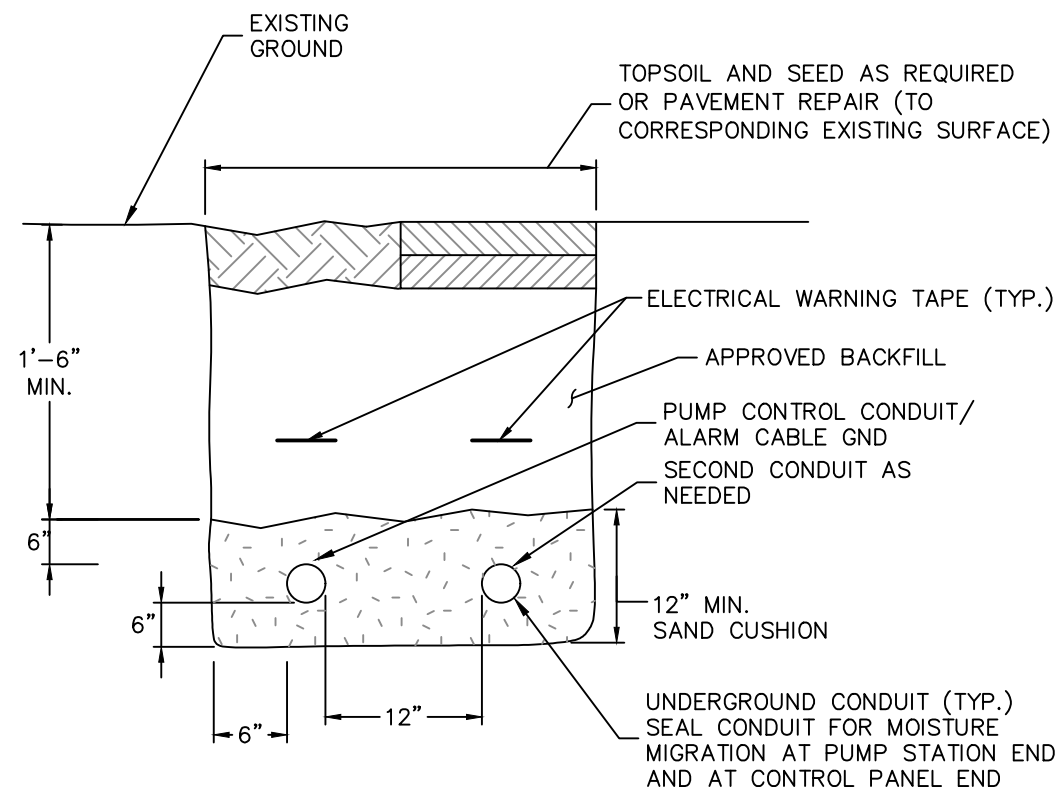


CONNECTION DETAIL

SCALE: NOT TO SCALE

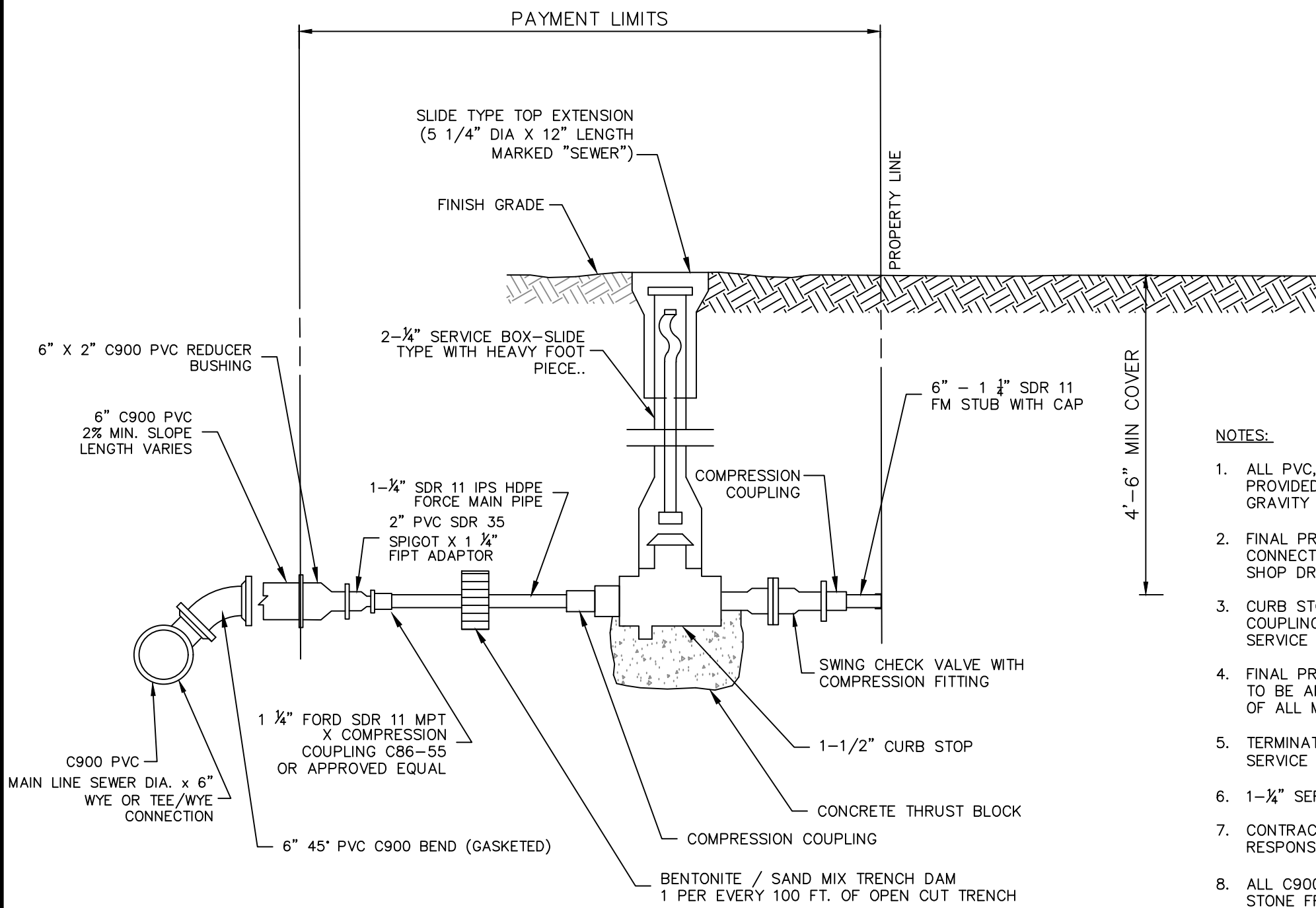
NOTE

INSTALL ELECTRICAL MARKING TAPE ABOVE THE ELECTRIC CONDUIT AND BURIED ELECTRIC WIRING.



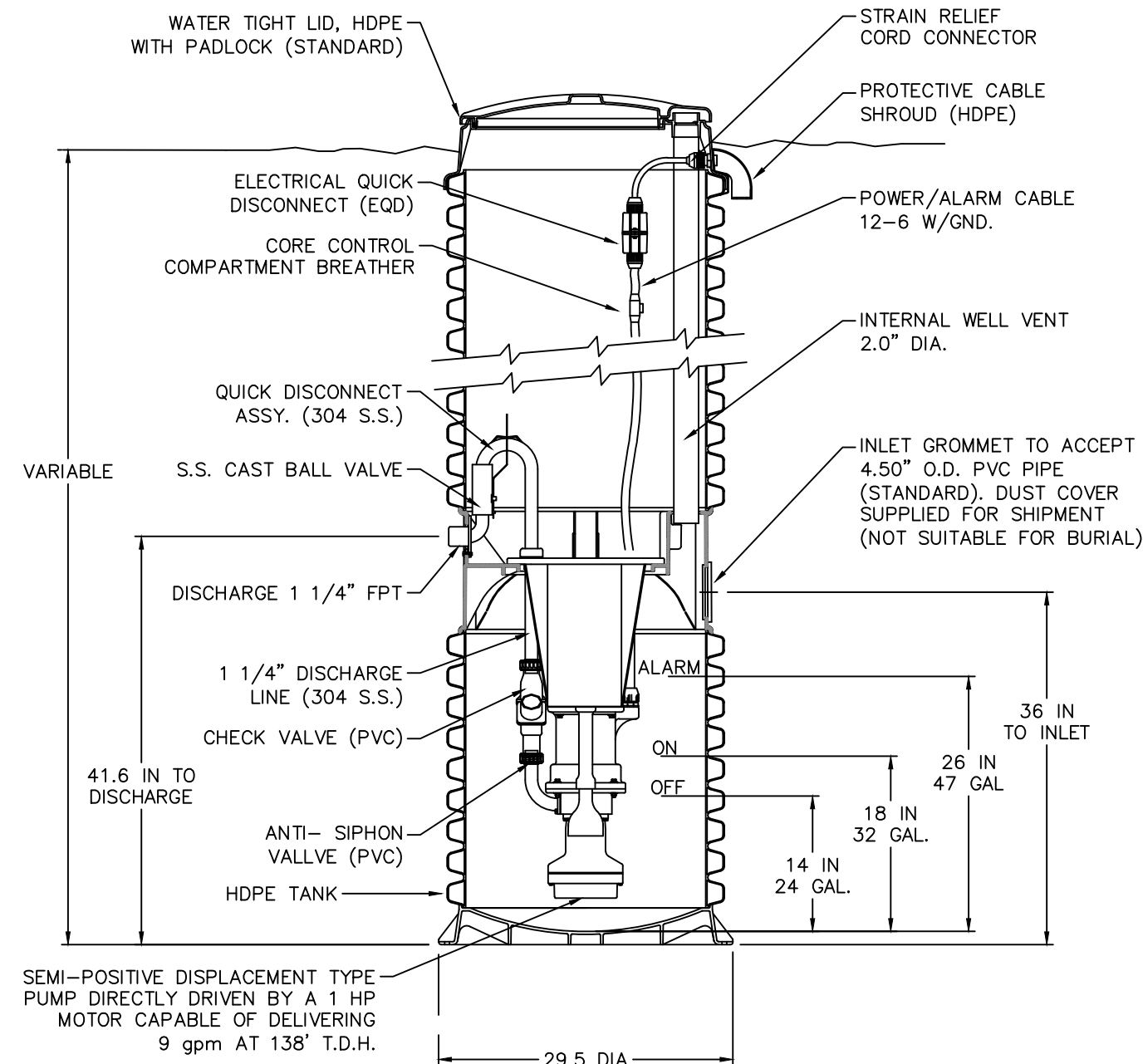
UNDERGROUND CONDUIT TRENCH DETAIL

SCALE: NOT TO SCALE



1-1/4" FORCE MAIN CONNECTION TO GRAVITY SEWER

SCALE: NOT TO SCALE

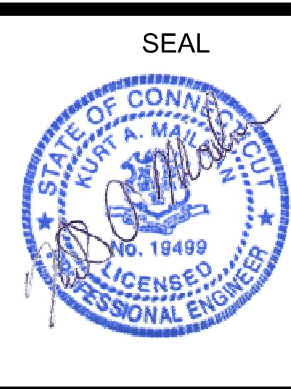


SIMPLEX GRINDER PUMP

SCALE: NOT TO SCALE

No.	DATE	DESCRIPTION	DESIGNER	REVIEWER
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SEAL

SCALE:	HORIZ.: NTS
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DATUM:	HORIZ.:
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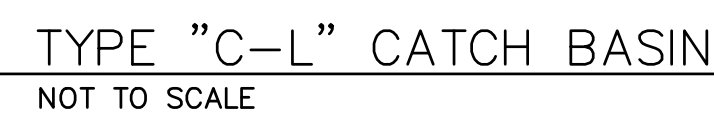
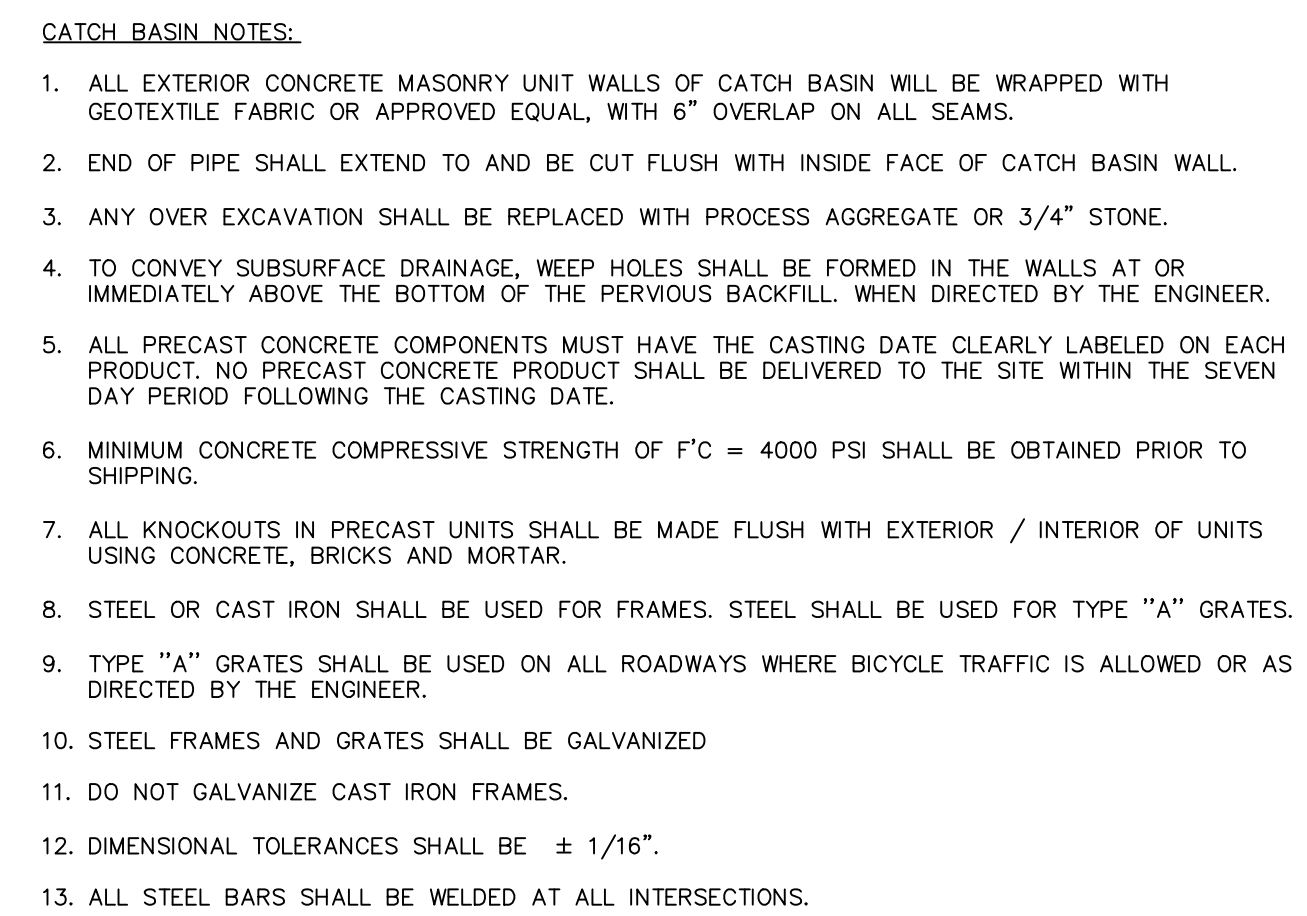
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OLD COLONY BEACH CLUB ASSOCIATION
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SANITARY SEWER DETAILS

OLD LYME CONNECTICUT

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DATE: AUGUST 2021

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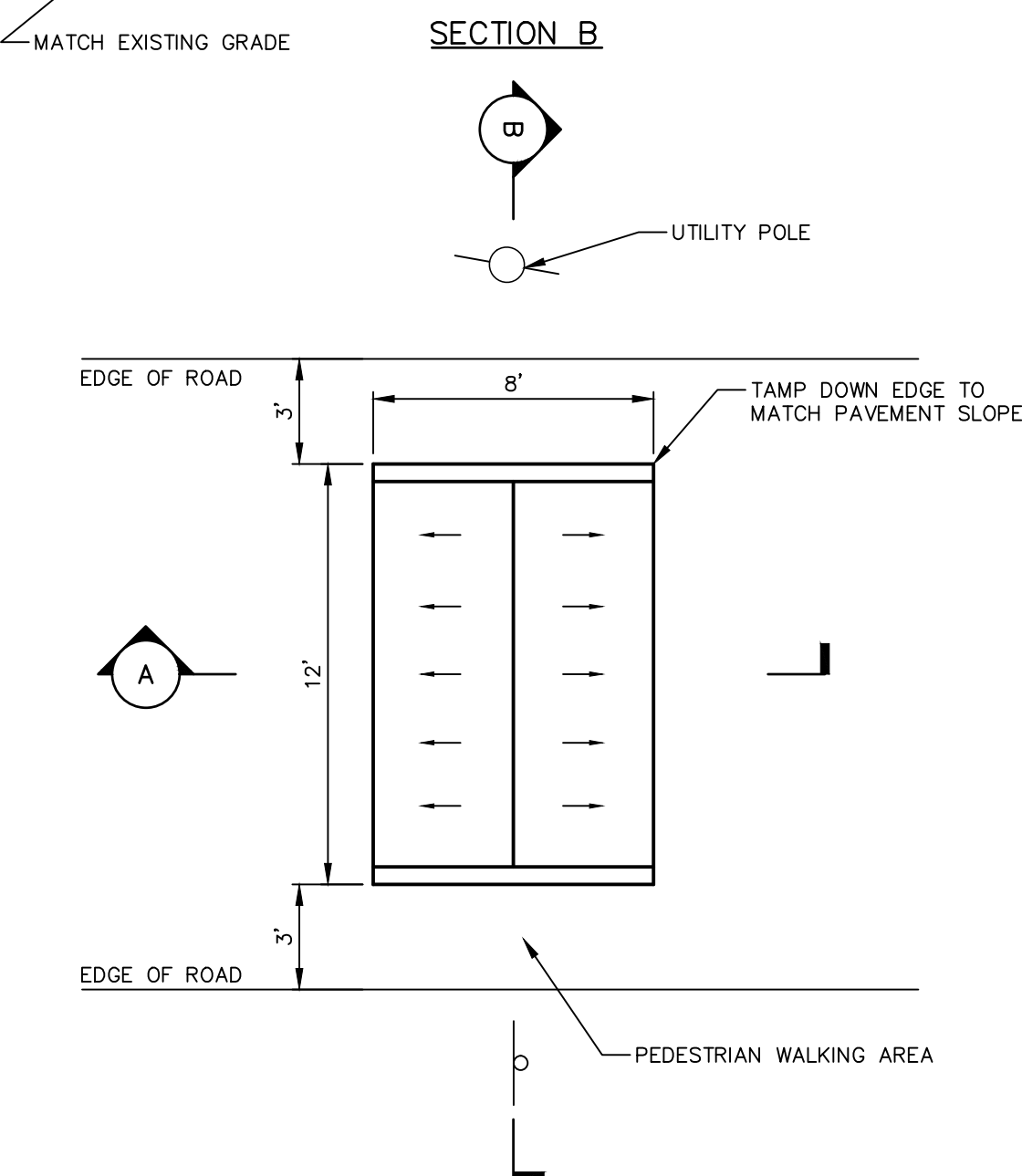
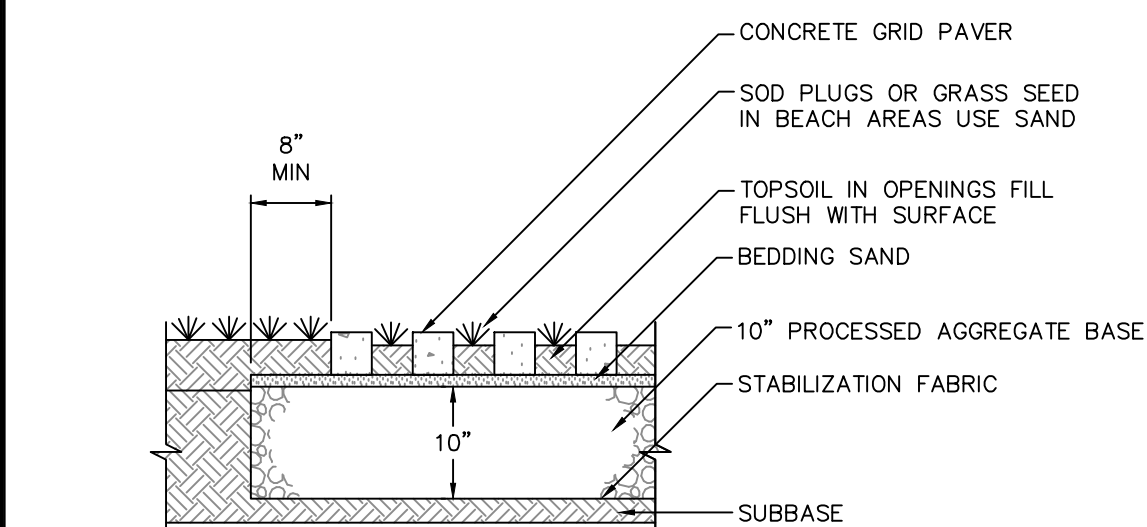
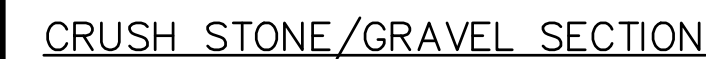
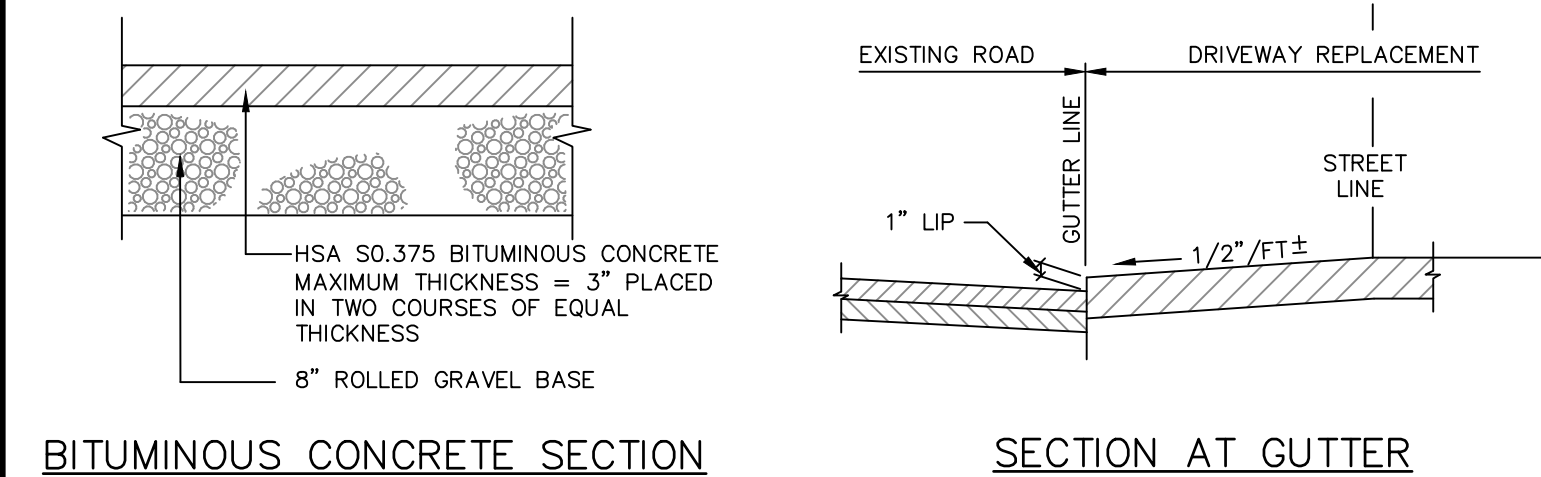


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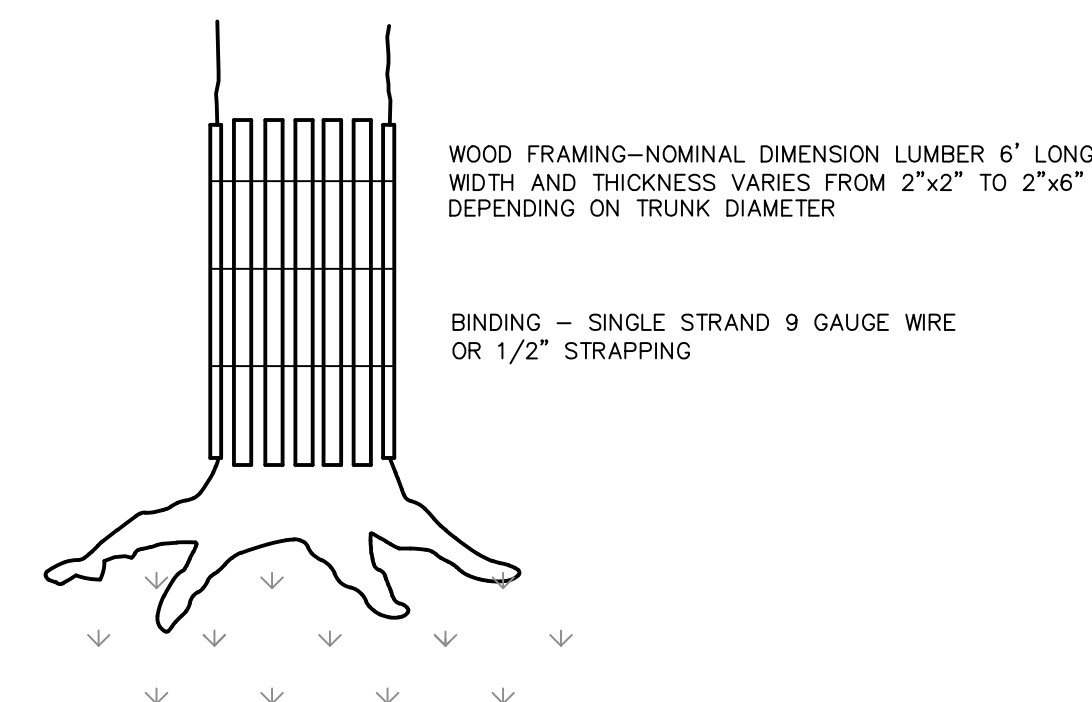
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SEWERS AND ASSOCIATION IMPROVEMENTS
DRAINAGE DETAILS**

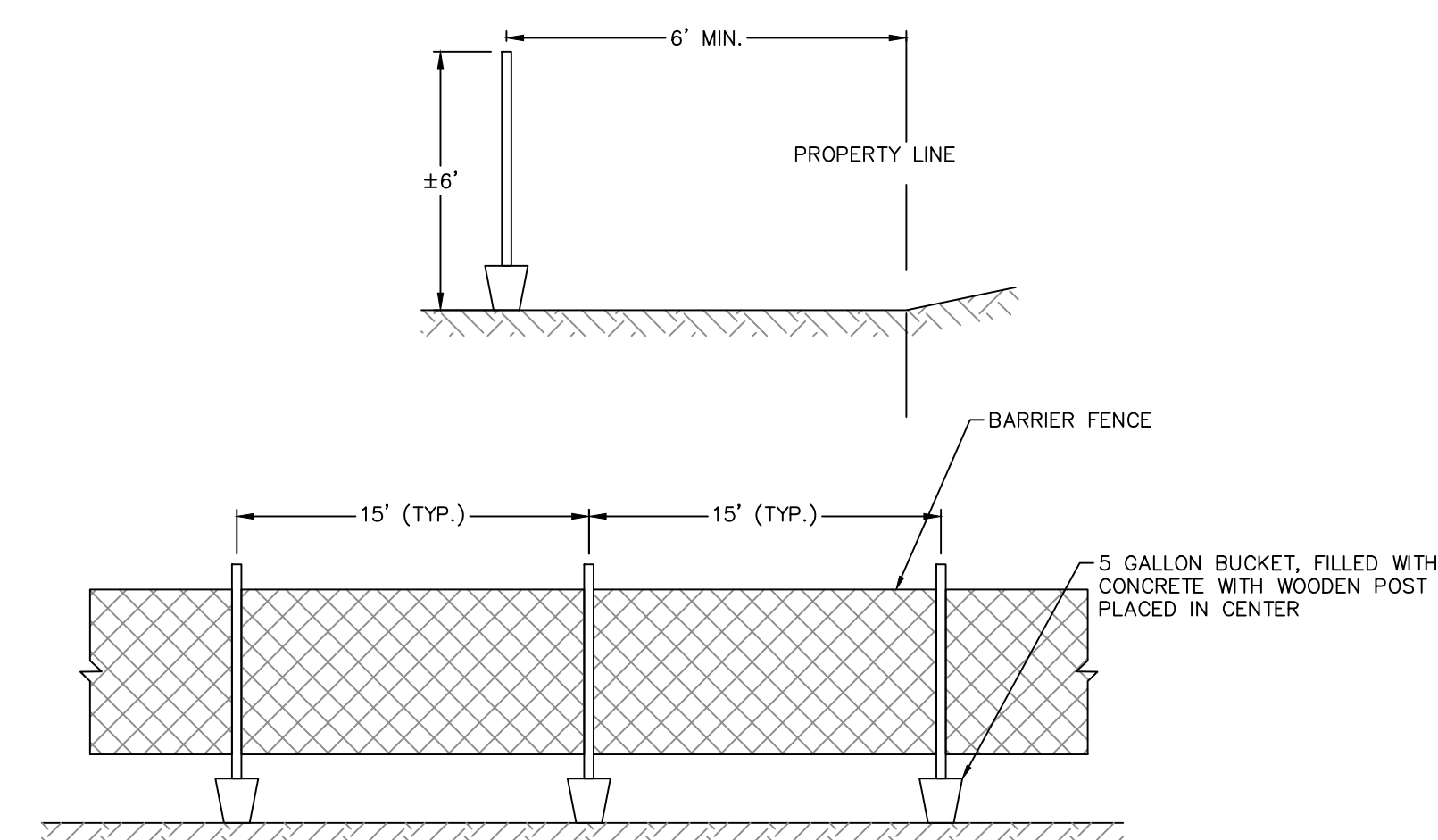
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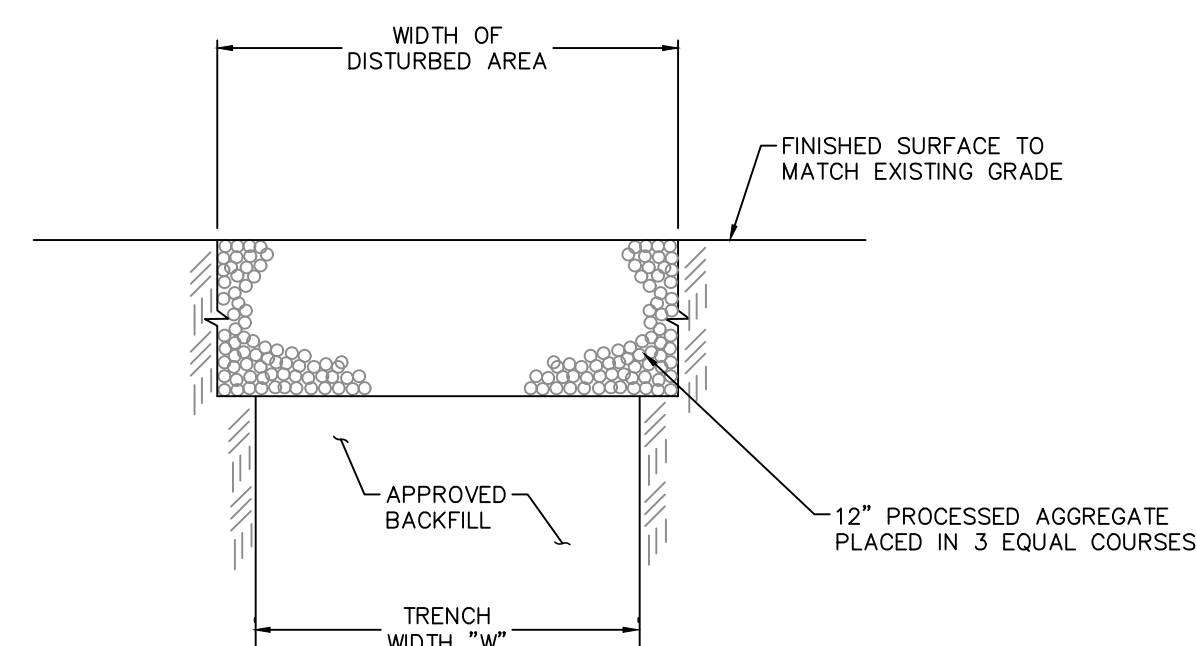
SPEED HUMP
SCALE: NOT TO SCALE



TREE PROTECTION DEVICE
SCALE: NOT TO SCALE



BARRIER FENCE PEDESTRIAN PROTECTION
SCALE: NOT TO SCALE

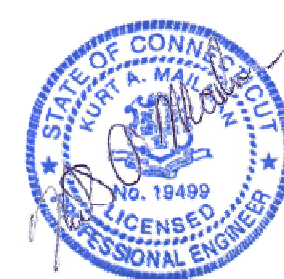


PROCESSED AGGREGATE PARKING LOT/
DRIVEWAY REPAIR

[illegible]

SEAL

SEAL

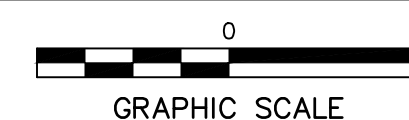


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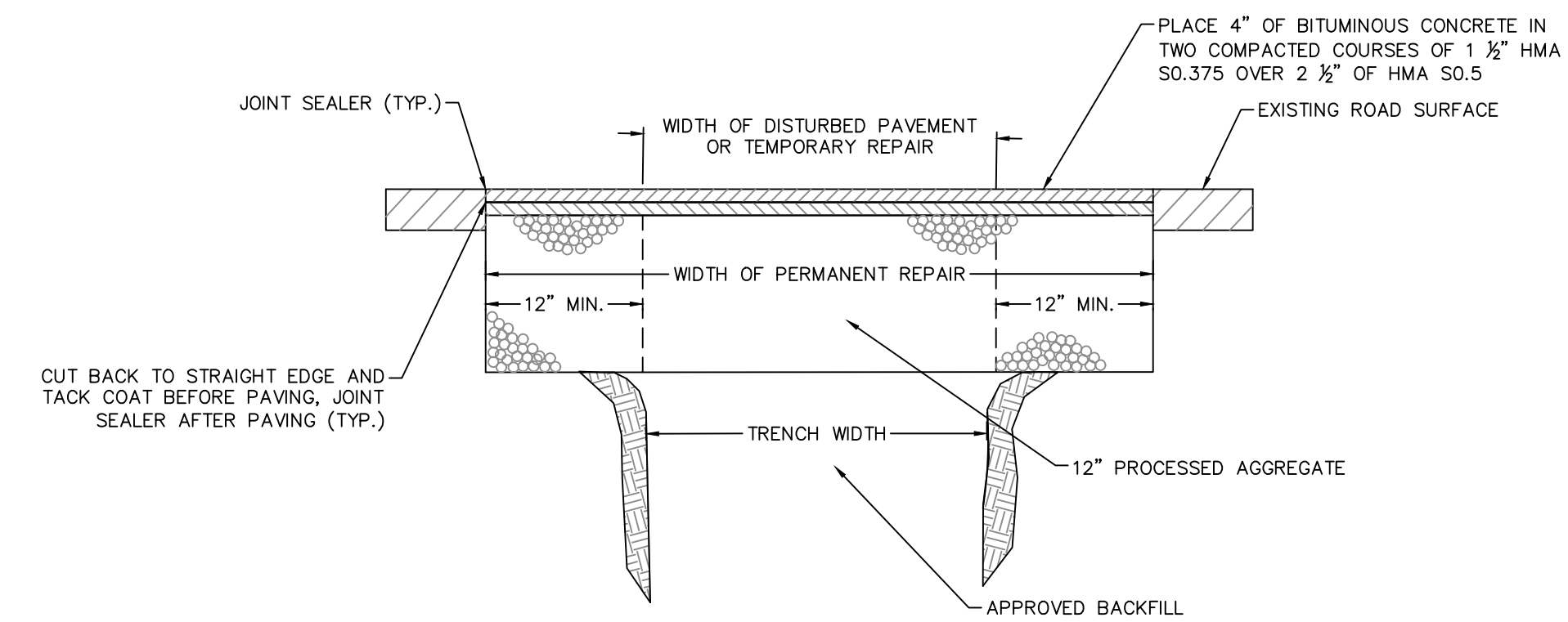
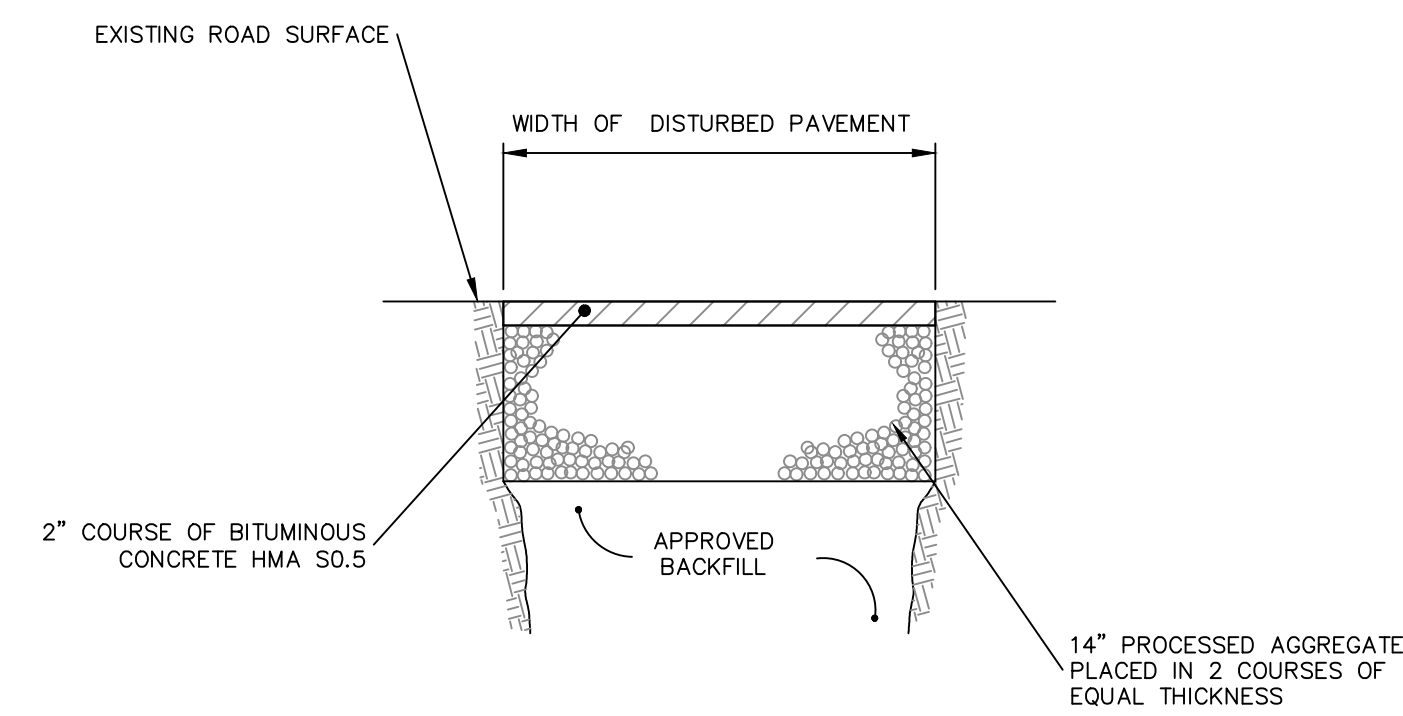
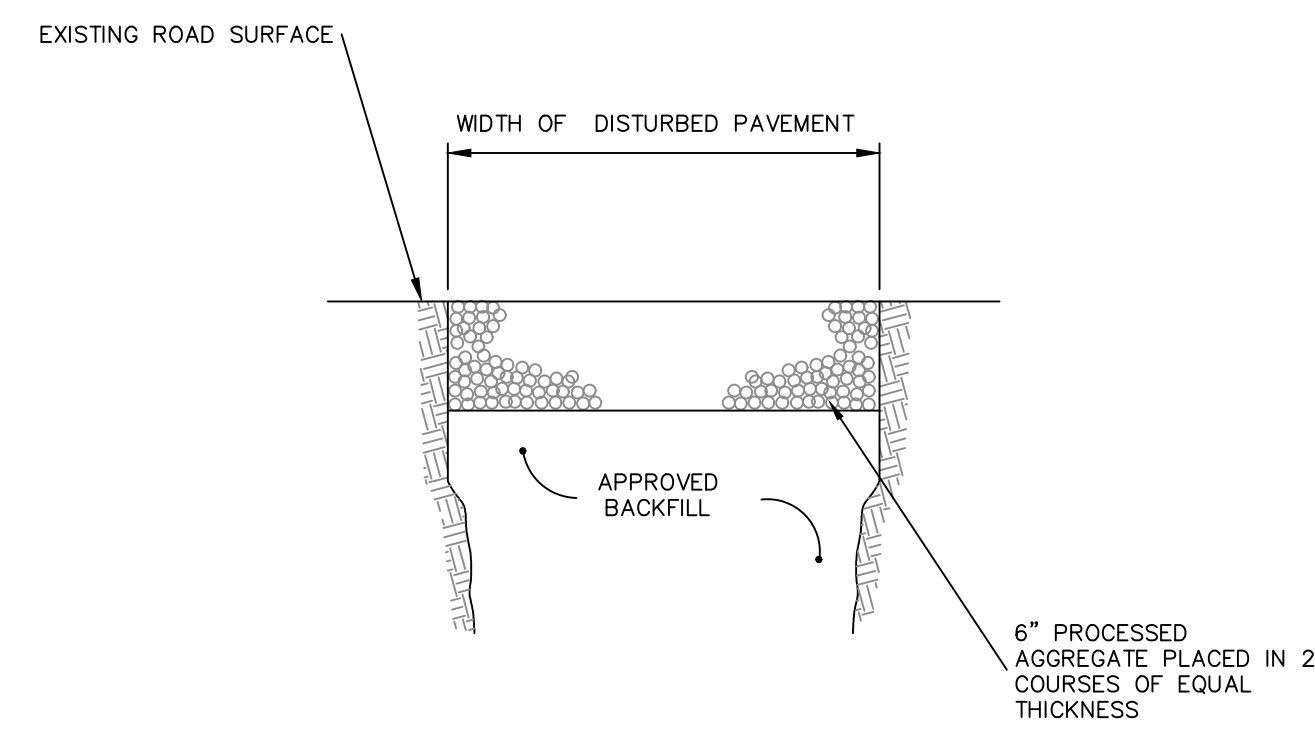
OLD COLONY BEACH CLUB ASSOCIATION
SEWERS AND ASSOCIATION IMPROVEMENTS
PAVEMENT & RESTORATION STANDARD DETAILS

OLD LYME

CONNECTICUT

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

CD-208



- NOTES:

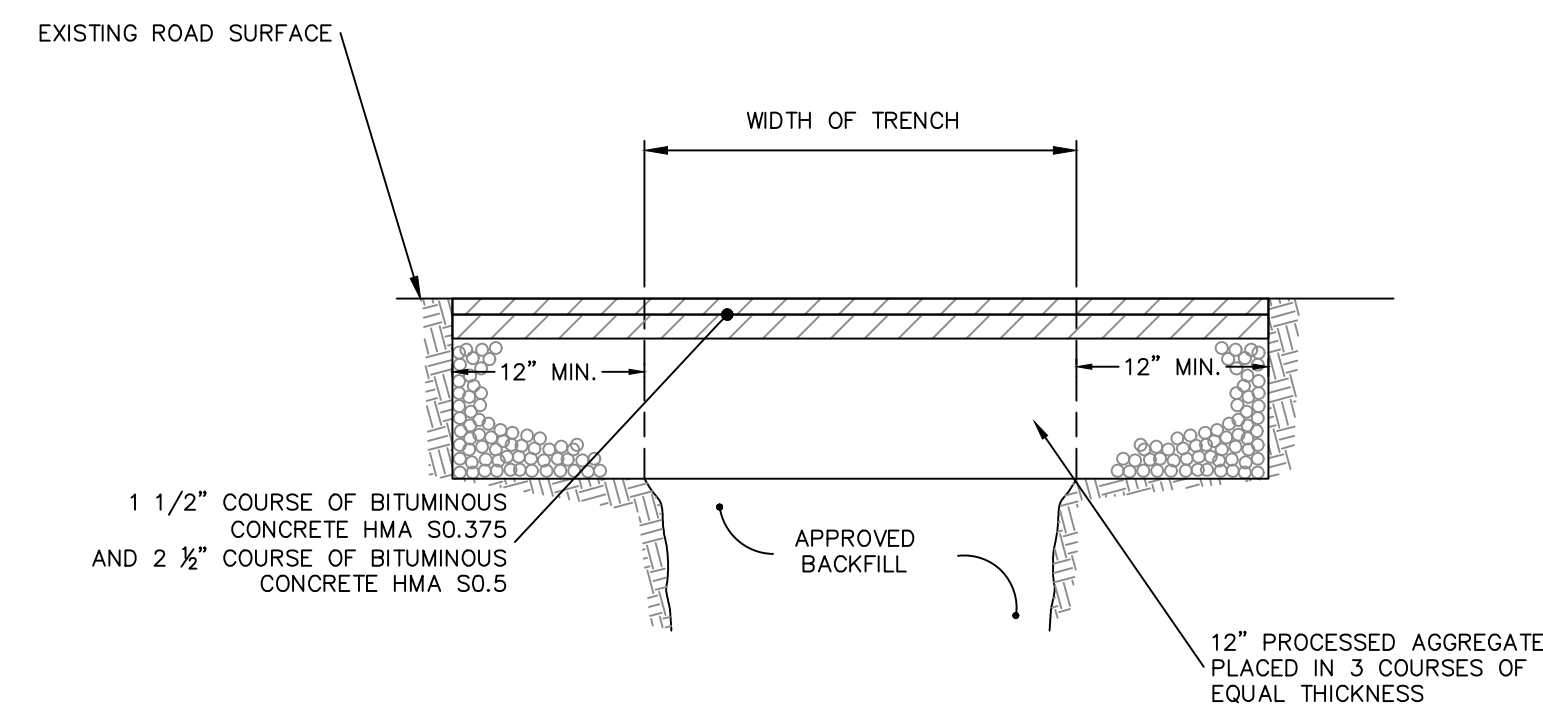
1. FOR AREAS IN WHICH ROAD TO BE WIDENED OR FOR CURBING, EXCAVATE AND PLACE TEMPORARY TRENCH REPAIR IN AREAS OF WIDENING OR CURBING.
2. SAWCUT ALL INTERSECTIONS WITH STATE ROADS AND NON AFFECTED ROADWAYS
3. TRENCH LOCATIONS SEE PLANS.

ASSOCIATION ROADWAY TEMPORARY PROCESSED
AGGREGATE TRENCH REPAIR

SCALE: NOT TO SCALE

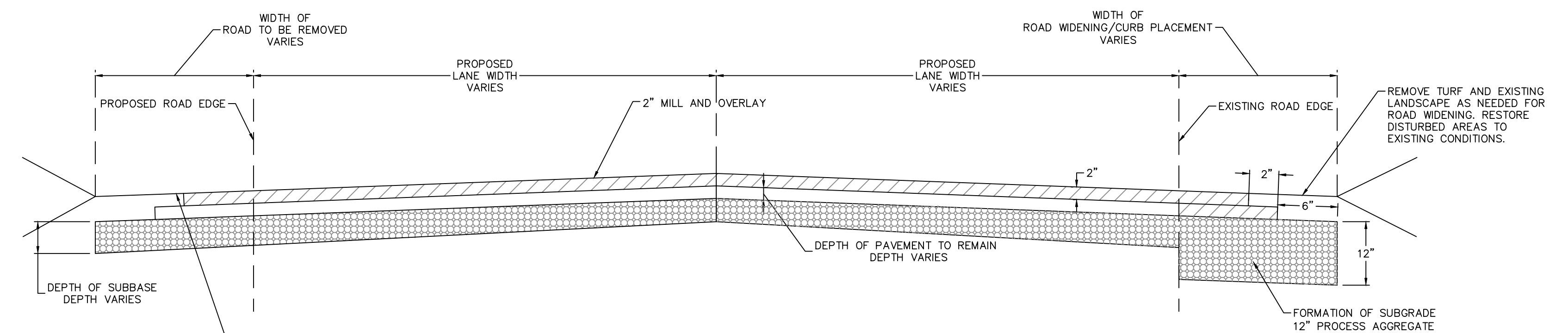
ASSOCIATION ROADWAY TEMPORARY PAVEMENT REPAIR

SCALE: NOT TO SCALE



ASSOCIATION ROADWAY TEMPORARY PAVEMENT REPAIR
FOR 2" MILL AND OVERLAY

SCALE: NOT TO SCALE

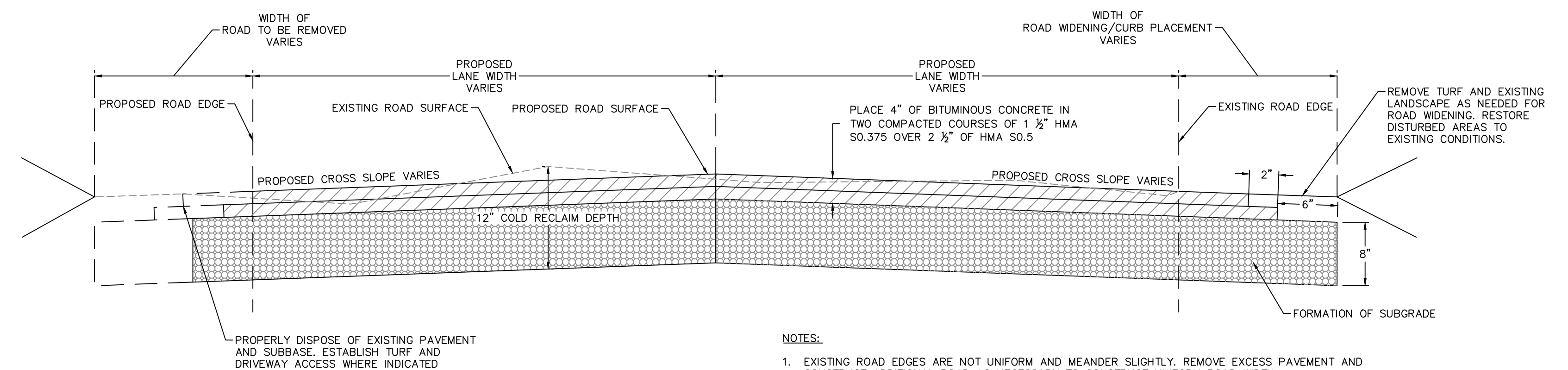


- NOTES:

1. EXISTING ROAD EDGES ARE NOT UNIFORM AND MEANDER SLIGHTLY. REMOVE EXCESS PAVEMENT AND CONSTRUCT ADDITIONAL ROAD AS NECESSARY TO CONSTRUCT UNIFORM ROAD WIDTH.
2. FOR AREAS IN WHICH ROAD TO BE WIDENED OR FOR CURBING, EXCAVATE AND PLACE 4" OF BITUMINOUS CONCRETE IN TWO COMPACTED COURSES FIRST 2 1/2" OF HMA 50.5 AND 1 1/2" HMA 50.375 PRIOR TO MILLING AND OVERLAY OF ROADWAYS.
3. MILL DEPTH OF 2 INCHES
4. SAWCUT ALL INTERSECTIONS WITH STATE ROADS AND NON AFFECTED ROADWAYS

ASSOCIATION 2" MILL AND OVERLAY

SCALE: NOT TO SCALE



- NOTES:

1. EXISTING ROAD EDGES ARE NOT UNIFORM AND MEANDER SLIGHTLY. REMOVE EXCESS PAVEMENT AND CONSTRUCT ADDITIONAL ROAD AS NECESSARY TO CONSTRUCT UNIFORM ROAD WIDTH.
2. FOR AREAS IN WHICH ROAD TO BE WIDENED OR FOR CURBING, REMOVE EXISTING MATERIAL THEN UTILIZE EXCESS RECLAIM MATERIAL FOR BASE AS APPROVED BY THE ENGINEER.
3. RECLAIM DEPTH 12"
4. SAWCUT ALL INTERSECTIONS WITH STATE ROADS AND NON AFFECTED ROADWAYS

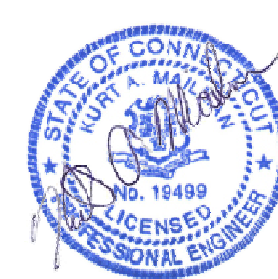
ASSOCIATION COLD RECLAIMED SUBBASE & 4-INCH HMA PAVEMENT

SCALE: NOT TO SCALE

[illegible]

SEAL

SEAL

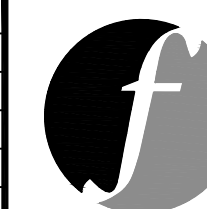


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HORZ.: NTS

	DATUM

HOPZ :



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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 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: <u>Old Colony Beach Club Association</u>	
DEEP License Number(s): <u>202409389</u>	
Municipality in which project is occurring: <u>Old Lyme</u>	
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">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.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. <p>Submit this completed form to : DEEP.LWRDRegulatory@ct.gov or Regulatory Section Department of Energy and Environmental Protection Land & Water Resources Division 79 Elm Street Hartford, CT 06106-5127</p>	