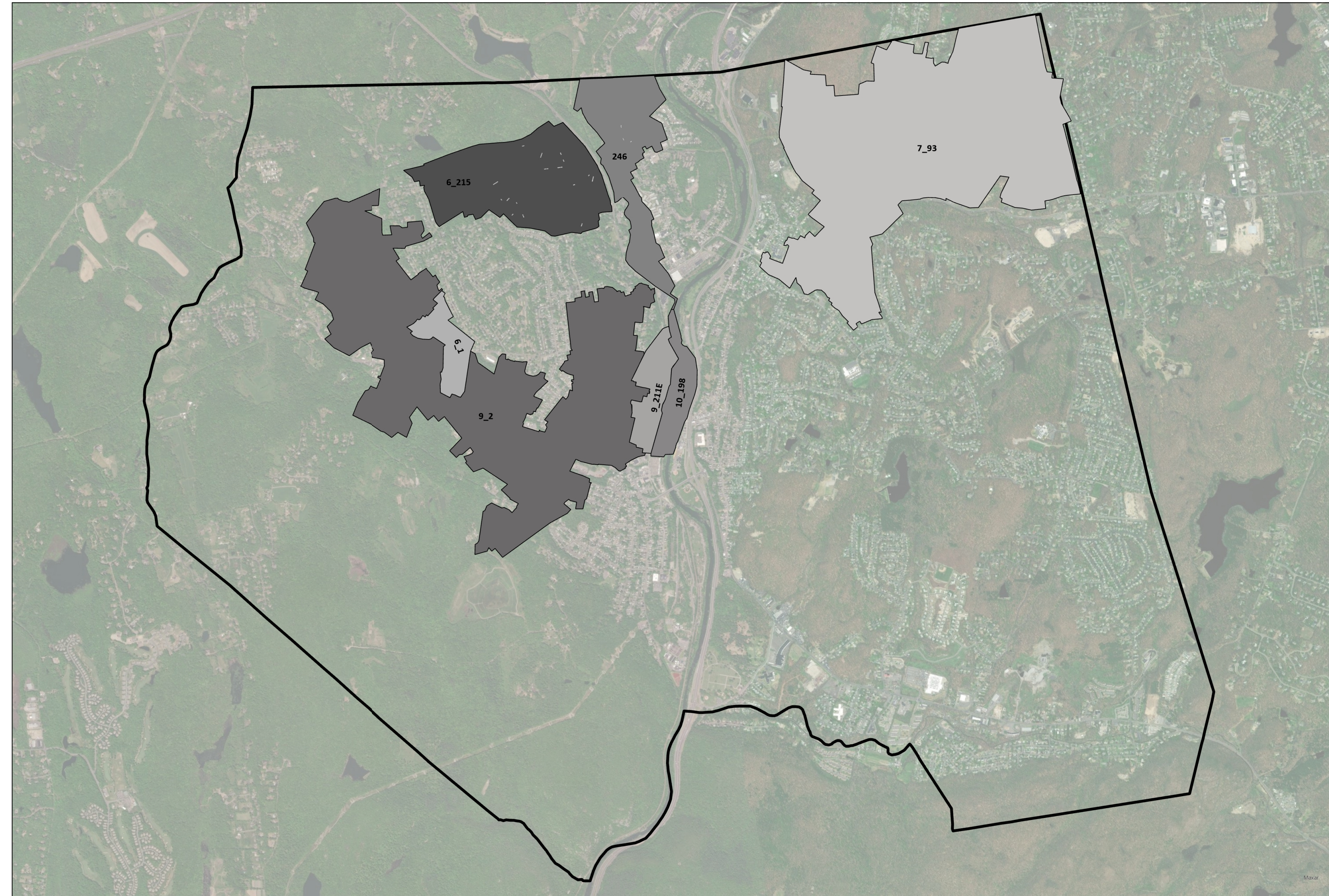


SANITARY SEWER IMPROVEMENTS

NOVEMBER 2023



400 Capital Boulevard, Suite 104
Rocky Hill, CT 06067
Phone: 860-563-7775
www.kleinfelder.com



MAYOR:
N. WARREN "PETE" HESS, III

DIRECTOR OF PUBLIC WORKS:
JAMES STEWART, P.E.

PUBLIC WORKS SUPERINTENDENT:
SANDRA LUCAS-RIBEIRO

BOROUGH ENGINEER:
JAMES STEWART, P.E.

LOCATION MAP
SCALE: 1" = 1000'

PREPARED FOR:

BOROUGH OF NAUGATUCK
NAUGATUCK, CONNECTICUT 06770

PREPARED BY:



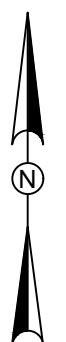
400 Capital Boulevard, Suite 104
Rocky Hill, CT 06067
Phone: 860-563-7775
www.kleinfelder.com



| DRAWING ISSUE | | |
|---------------|-------------------------|---------|
| REV | DESCRIPTION | DATE |
| IFC | ISSUED FOR CONSTRUCTION | 11/2023 |
| | | |
| | | |

| REVISIONS | | | | |
|-----------|-------------|-----|-----|------|
| REV | DESCRIPTION | DSN | CHK | DATE |
| | | DWN | APP | |
| | | | | |
| | | | | |
| | | | | |

ISSUED FOR CONSTRUCTION



SCALE VERIFICATION

THIS BAR IS 1 INCH IN LENGTH ON ORIGINAL DRAWING

IF IT'S NOT 1 INCH ON THIS SHEET ADJUST YOUR SCALES ACCORDINGLY

ORIGINAL DRAWING SIZE IS 22 x 34

COVER SHEET

SANITARY SEWER IMPROVEMENTS
BOROUGH OF NAUGATUCK



BOROUGH OF NAUGATUCK
229 CHURCH STREET
NAUGATUCK, CT 06770

ISSUED FOR CONSTRUCTION

| | |
|------------------|----------------|
| PROJECT NO. | 20211186.004A |
| ISSUE DATE | NOVEMBER 2023 |
| CURRENT REVISION | IFC |
| DESIGNED BY | M.PATTON |
| DRAWN BY | K.McCLENDON |
| CHECKED BY | N. KULIKAUSKAS |
| APPROVED BY | H. KOMINSKE |

GEN-01

PLAN REPRODUCTION WARNING

THE PLANS HAVE BEEN CREATED ON ANSI D (22"x34") SHEETS. FOR REDUCTIONS, REFER TO GRAPHIC SCALE.

THE PLANS HAVE BEEN CREATED FOR FULL COLOR PLOTTING. ANY SET OF THE PLANS THAT IS NOT PLOTTED IN FULL COLOR MUST NOT BE CONSIDERED ADEQUATE FOR CONSTRUCTION PURPOSES.

WARNING: INFORMATION MAY BE LOST IN COPYING AND/OR GRAY SCALE PLOTTING.

PLOTTED: 11/02/2023 3:13 PM BY: lzy, nems

LAYOUT: GEN-01

CAD FILE: \\kleinfelder.com\Share\ROCKYHILL\DATA\Wkg\Naugatuck CT\20211186.004A_001-Civil\F231\Task 2_Collection System\CAD\Production Drawings\20211186_G-01_G-04.dwg

GENERAL NOTES

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH NAUGATUCK STANDARDS.
- IF ACTUAL CONDITIONS VARY SIGNIFICANTLY FROM EXISTING CONDITIONS AS SHOWN, THE CONTRACTOR SHALL NOTIFY THE ENGINEER WHO SHALL DIRECT ANY CHANGES AS REQUIRED.
- THE CONTRACTOR IS HEREBY ADVISED THAT ALL LOCATIONS OF EXISTING PIPES, CONDUITS, UTILITIES, FOUNDATIONS, UTILITY HOUSE SERVICES ARE NOT WARRANTED TO BE CORRECT AND THE CONTRACTOR SHALL HAVE NO CLAIM ON THAT ACCOUNT SHOULD THEY BE OTHER THAN SHOWN. LOCATIONS OF EXISTING UTILITIES ARE SHOWN IN THEIR APPROXIMATE LOCATIONS AS REPRESENTED BY UTILITY DRAWINGS, THEREFORE THEIR ACTUAL LOCATIONS MAY VARY. IT IS UNDERSTOOD AND AGREED THAT THE CONTRACTOR SHALL MAKE EXAMINATIONS IN THE FIELD BY VARIOUS AVAILABLE METHODS AND SHALL OBTAIN INFORMATION FROM UTILITY COMPANIES AND INDIVIDUALS AS TO THE LOCATION OF ALL SUB-SURFACE STRUCTURES. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR EXCAVATE IN ANY AREA PRIOR TO COMPLETING THIS SERVICE.
- "CALL BEFORE YOU DIG": THE CONTRACTOR IS HEREBY REMINDED THAT "CALL BEFORE YOU DIG" MARK-OUTS BY THE APPROPRIATE UTILITY COMPANY ARE REQUIRED. THE CONNECTICUT GENERAL STATUES REQUIRE NOTICE TO UTILITY COMPANIES OF PENDING EXCAVATION AT OR NEAR PUBLIC UTILITIES. THE CONTRACTOR SHALL CALL 1-800-922-4455 AT LEAST 72 HOURS PRIOR TO BEGINNING EXCAVATION.
- "UTILITY IDENTIFICATION TAPE": AFTER PLACING APPROXIMATELY 2 FEET OF BACKFILL MATERIAL OVER ALL UTILITY PIPING, THE CONTRACTOR SHALL PLACE A 6-INCH WIDE NON-DETECTABLE STRIP OF DURABLE, COLOR CODED (RED FOR ELECTRIC, YELLOW FOR GAS OR OIL, ORANGE FOR COMMUNICATIONS, BLUE FOR WATER, GREEN FOR SANITARY AND STORM SEWER) UNDERGROUND UTILITY IDENTIFICATION TAPE IMPRINTED WITH AN APPROPRIATE WARNING INDICATING THE PRESENCE OF THE BURIED UTILITY.
- LOCATION, SIZE AND MATERIAL OF EXISTING PIPES, DUCTS, CONDUITS AND OTHER UNDERGROUND STRUCTURES AND THE LOCATION OF PROPERTY LINES SHOWN ON THESE PLANS ARE NOT WARRANTED TO BE EXACT, NOR IS IT WARRANTED THAT ALL ARE SHOWN. EXACT LOCATIONS SHALL BE DETERMINED BY THE CONTRACTOR.
- STORM, SANITARY, WATER, GAS, TELEPHONE, CABLE, ELECTRICAL SERVICES, FIBER OPTIC COMMUNICATIONS, OVERHEAD UTILITIES AND OTHER UTILITY SERVICES TO BUILDINGS ARE NOT ALL SHOWN. UTILITY SERVICES TO BUILDINGS THAT ARE SHOWN ARE FOR INFORMATIONAL PURPOSES ONLY AND ARE NOT WARRANTED TO BE EXACT, NOR IS IT WARRANTED THAT ALL ARE SHOWN. EXACT LOCATIONS SHALL BE DETERMINED BY THE CONTRACTOR. THE CONTRACTOR SHALL ASSUME THAT EACH PROPERTY WILL HAVE SERVICE CONNECTIONS FOR THE VARIOUS UTILITIES. ALL SERVICES AND UTILITIES SHALL BE PROTECTED FROM DAMAGE AND SHALL BE RECONNECTED OR REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. THE CONTRACTOR SHALL PAY PARTICULAR ATTENTION TO SAFETY ISSUES RELATED TO ELECTRICAL FACILITIES, BOTH OVERHEAD AND UNDERGROUND.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUPPORT AND PROTECTION OF EXISTING UTILITIES AND STRUCTURES, AS WELL ANY REPAIR AND/OR REPLACEMENT COST OF UTILITIES DAMAGED DURING CONSTRUCTION WHETHER ABOVE OR BELOW GRADE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF ALL UTILITY RELOCATION WORK. CLAIMS FOR EXTRAS WILL NOT BE ALLOWED FOR DELAY OF WORK DUE TO UTILITY COMPANY COORDINATION OR UTILITY RELOCATION WORK.
- THE CONTRACTOR SHALL NOTIFY THE OWNER AND THE ENGINEER OF ANY SUBSURFACE UTILITY OR OTHER PIPE NOT SHOWN ON THE DRAWINGS THAT IS ENCOUNTERED DURING CONSTRUCTION.
- EXTREME CARE MUST BE EXERCISED BY THE CONTRACTOR TO PROTECT EXISTING SANITARY SEWERS, SANITARY LATERALS, STORM DRAINS, WATER MAIN AND ALL OTHER UTILITIES DURING CONSTRUCTION.
- THE CONTRACT REQUIRES WORKING IN LIVE SEWER INFRASTRUCTURE. CONTRACTOR AND THEIR PERSONNEL SHALL FOLLOW ALL FEDERAL, STATE AND LOCAL REQUIREMENTS FOR SAFETY WHEN IN CONFINED SPACES. ALSO REFER TO RECOMMENDATIONS IN THE NATIONAL INSTITUTE FOR OCCUPATIONAL SAFETY AND HEALTH PUBLICATION NO. 80-106, "WORKING IN CONFINED SPACES."
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING EXISTING FLOWS IN EXISTING SANITARY SEWERS AND SEWER SERVICE LATERALS, AND FOR OBTAINING ALL PERMITS, AS SPECIFIED.
- ALL DEWATERING SHALL BE DIRECTED TO COMBINED OR SANITARY SEWERS AT LOCATIONS APPROVED BY THE ENGINEER. DO NOT DISCHARGE GROUND WATER TO STORM DRAINS. ALL DEWATERING ACTIVITIES SHALL COMPLY WITH THE TECHNICAL SPECIFICATIONS AND CT DEEP REGULATIONS. THE CONTRACTOR SHALL NOT COMMENCE DEWATERING DISCHARGE WITHOUT THE EXPRESS WRITTEN APPROVAL OF THE ENGINEER OR OWNER, AS SPECIFIED.
- ALL PIPE SECTIONS SHOWING LENGTHS IN LINEAR FEET ARE TWO-DIMENSIONAL MEASUREMENTS TAKEN FROM CENTER TO CENTER OF EACH ADJOINING MANHOLE.
- UNLESS OTHERWISE NOTED, PVC PIPE SHALL BE SDR 35.
- UNLESS OTHERWISE NOTED, MANHOLES FOR NEW SEWER PIPES SHALL BE STANDARD MANHOLES AS SPECIFIED. 4-FOOT DIAMETER MANHOLES SHALL BE TYPE II AS SPECIFIED. MANHOLE LOCATIONS ARE APPROXIMATE AND IN SOME CASES MAY BE ALTERED TO MINIMIZE PIPE CUTTING OR FOR OTHER APPROVED REASONS AS DIRECTED BY OWNER AND ENGINEER.
- SILT SACKS SHALL BE PLACED AROUND ALL CATCH BASINS SUBJECT TO RUNOFF FROM CONSTRUCTION AREAS.
- AT CONNECTION BETWEEN EXISTING AND NEW PIPES, SLEEVES, NIPPLES, AND ACCESSORIES NECESSARY FOR MAKING CONNECTIONS MAY NOT BE SHOWN IN THE DETAILS. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL ITEMS AS NECESSARY FOR CONNECTING TO EXISTING PIPES AND AS INDICATED IN THE SPECIFICATIONS.
- CONTRACTOR SHALL BE CAUTIOUS WHEN EXCAVATING ADJACENT TO AND ON PRIVATE PROPERTY TO AVOID DAMAGE TO PRIVATE PROPERTY. CONTRACTOR IS RESPONSIBLE FOR IMMEDIATE REPAIR OF DAMAGES AND SHALL NOT BE REIMBURSED.

PROJECT SPECIFIC NOTES:

- ALL LATERALS ENCOUNTERED WITHIN EXCAVATION SHALL BE REPLACED WITHIN LIMITS OF EXCAVATION IN ACCORDANCE WITH BOROUGH OF NAUGATUCK STANDARD DETAIL FOR SANITARY SEWER LATERAL CONNECTION (SD-17) AT NO ADDITIONAL COST TO THE OWNER.
- MAINTENANCE OF FLOWS FOR REPAIR, REPLACEMENT AND REHABILITATION (CIPP) AT ALL TIMES IS THE RESPONSIBILITY OF THE CONTRACTOR.
- THE HOURS OF WORK FOR THE PROJECT SHALL BE AS SPECIFIED IN THE GENERAL PROVISIONS OF THE CONTRACT DOCUMENTS.
- ALL EXCAVATED POINT REPAIRS SHALL BE DIRECTED BY THE ENGINEER AFTER REVIEW OF THE CCTV.

SANITARY LATERAL GENERAL NOTES:

- ANY POINT REPAIRS SHALL BE COMPLETED PRIOR TO INSTALLATION OF CURED-IN-PLACE PIPE LINING FOR SEWER MAINS SCHEDULED OR DIRECTED BY THE OWNER OR THE OWNER'S REPRESENTATIVE TO RECEIVE BOTH TYPES OF WORK. INSTALLATION OF CURED-IN-PLACE PIPE LINING FOR EXISTING PIPES SHALL BE COMPLETED PRIOR TO MANHOLE FRAME AND COVER REPLACEMENT AND MANHOLE CHIMNEY REPLACEMENT MANHOLE MONOLITHIC LINING. MANHOLE MONOLITHIC LINING SHALL BE COMPLETED PRIOR TO INTERNAL LINING. COORDINATE ALL WORK AS REQUIRED.
- ALL EXISTING SEWER SERVICE LATERALS ARE TO BE REINSTATED AFTER MAINLINE REHABILITATION UNLESS CONFIRMED BY OWNER TO BE ABANDONED.
- CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING ALL EXISTING LATERAL LOCATIONS PRIOR TO INSTALLATION OF CURED-IN-PLACE PIPE LINING.
- LATERALS DAMAGED BY CONTRACTOR DURING THE LATERAL RECONNECTION PROCESS SHALL BE REPAIRED WITH A CIPP TOP HAT LINER AT NO ADDITIONAL COST TO THE OWNER. DETERMINATION SHALL BE MADE BY THE ENGINEER UPON REVIEW OF POST-INSTALLATION CCTV INSPECTION.

SURFACE RESTORATION GENERAL NOTES:

- STONE WALLS, FENCES, MAIL BOXES, SIGNS, CURBING, SIDEWALKS, SIDEWALK RAMPS, STAIRS, WALKWAYS, LIGHT POLES, ETC. SHALL BE SUPPORTED OR REMOVED AND REPLACED AS NECESSARY TO PERFORM THE WORK. UNLESS OTHERWISE INDICATED, ALL SUCH WORK SHALL BE INCIDENTAL TO CONSTRUCTION OF THE PROJECT, AT NO ADDITIONAL COST TO THE OWNER.
- COORDINATE THE ADJUSTMENT OF ALL EXISTING UTILITIES WITH EACH RESPONSIBLE OWNER PRIOR TO RECONSTRUCTION AND/OR PAVING OPERATIONS. ALL STRUCTURES SHALL BE RAISED TO FINISH GRADES PRIOR TO THE END OF THE CONSTRUCTION SEASON AND PRIOR TO FINISHING PAVING, AS DIRECTED BY THE ENGINEER.
- ALL PAVEMENT DISTURBED OR DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPLACED IN ACCORDANCE WITH THE SPECIFICATIONS AND AS SHOWN ON THE CONTRACT DRAWINGS, UNLESS ASSOCIATED WITH MAINLINE SEWER EXCAVATION AT NO COST TO OWNER.
- IF EXISTING MAGNETIC OR TRAFFIC LOOP DETECTORS ARE REMOVED IN THE COURSE OF EXCAVATION, THEY SHALL BE REPLACED WITH NEW TRAFFIC LOOP DETECTORS IN ACCORDANCE WITH CITY OR TOWN STANDARDS AND SPECIFICATIONS UNLESS OTHERWISE DIRECTED.
- CONTRACTOR WILL MAINTAIN AND/OR PROVIDE OSHA SAFE PEDESTRIAN WALKWAYS IN ALL DISTURBED AREAS DURING CONSTRUCTION. PEDESTRIAN TRAFFIC SHALL BE ACCOMMODATED WHERE A SIDEWALK IS TO BE CLOSED FOR SAFETY "SIDEWALK CLOSED CROSS HERE" SIGNS SHALL BE USED AT THE NEAREST SAFE INTERSECTION. SEE TRAFFIC CONTROL DETAILS FOR SIGN INFORMATION.
- SAW CUT ALL BITUMINOUS CONCRETE DRIVEWAYS, DRIVEWAY APRONS, WALKWAYS AND SIDEWALKS AT EDGE OF TRENCH EXCAVATION OR AS DIRECTED BY THE ENGINEER. TEMPORARY PAVEMENT SHALL BE PLACED OVER ALL DISTURBED SIDEWALKS AND DRIVEWAYS AT THE END OF EACH DAY, UNLESS OTHERWISE APPROVED BY THE OWNERS.
- SIDEWALK AND RAMP RESTORATION TO INCLUDE RESTORATION BACK TO EXISTING CONDITIONS PRIOR TO CONSTRUCTION WITH RESPECT TO DEPTH, WIDTH AND MATERIALS. TRENCH BACKFILL UNDER ROADWAYS AND WALKWAYS SHALL BE BASED ON THE STANDARD SPECIFICATIONS AND AS SHOWN ON THE STANDARD DETAILS. SIDEWALK SLABS SHALL BE REPLACED IN WHOLE.
- THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL WASTE MATERIALS NECESSARY FOR THE SATISFACTORY COMPLETION OF THE WORK AND IS REQUIRED BY THE OWNER. CONSTRUCTION DEBRIS SHALL BE DISPOSED OF IN STRICT ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL LAWS.
- ALL AREAS DISTURBED BY THE CONTRACTOR BEYOND PAYMENT LIMITS SHALL BE RESTORED TO ORIGINAL CONDITIONS AT NO ADDITIONAL COST TO THE OWNER.
- TEMPORARY PAVEMENT ASSOCIATED WITH BYPASS OPERATIONS SHALL NOT BE MEASURED FOR PAYMENT.
- THE CONTRACTOR SHALL TRANSFER ALL TEMPORARY BENCH MARKS AS NECESSARY.

TRAFFIC MANAGEMENT NOTES:

- THE CONTRACTOR SHALL MAINTAIN AND PROTECT TRAFFIC IN ACCORDANCE WITH THE CURRENT EDITION OF "THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), PART VI", THE PORTIONS OF STREETS OVER WHICH TRAFFIC IS MAINTAINED SHALL BE KEPT IN SUCH CONDITION THAT TRAFFIC WILL BE SAFELY AND ADEQUATELY ACCOMMODATED. SIDEWALKS OUTSIDE THE LIMITS OF CONSTRUCTION ARE TO BE KEPT FREE OF EXCAVATED MATERIALS, TOOL, MACHINERY AND OTHER SUBJECTS THAT WILL IMPEDE OR ENDANGER PEDESTRIAN TRAFFIC.
- THE CONTRACTOR SHALL FURNISH ERECT, LIGHT AND MAINTAIN SUCH SIGNS, BARRICADES, BARRELS, FLASHERS AND WARNING LIGHTS AS NEEDED OR DIRECTED BY THE ENGINEER, FOR THE REGULATION AND PROTECTION OF TRAFFIC AND PEDESTRIANS. SUCH SIGNS, BARRICADES, BARRELS, FLASHERS, AND WARNING LIGHTS SHALL BE USED TO SAFELY AND ADEQUATELY KEEP PEDESTRIANS, INCLUDING HANDICAPPED PERSONS, AND VEHICLES FROM EQUIPMENT, MATERIALS, OBSTACLES, EXCAVATIONS, AND NEWLY CONSTRUCTED STRUCTURES. THERE SHALL BE NO ADDITION PAYMENT FOR THESE ITEMS.
- AT NO TIME, UNLESS OTHERWISE APPROVED BY THE ENGINEER, SHALL THE CONTRACTOR CLOSE OR CAUSE TO BE CLOSED ANY PORTION OF ROADWAYS BEYOND WHAT IS STIPULATED HEREIN, OR ON THE PLANS, AS NECESSARY TO PERFORM THE WORK.
- AT NO TIME, UNLESS OTHERWISE APPROVED BY THE ENGINEER, SHALL THE CONTRACTOR CLOSE OR CAUSE TO BE CLOSED ANY PORTION OF ROADWAYS BEYOND WHAT IS STIPULATED HEREIN, OR ON THE PLANS, AS NECESSARY TO PERFORM THE WORK. AN ALTERNATING ONE-WAY TRAFFIC OPERATION ON A PAVED TRAVEL PATH NOT LESS THAN 11 FEET IN WIDTH. THE LENGTH OF THE ALTERNATING ONE-WAY TRAFFIC OPERATION SHALL NOT EXCEED 300 FEET.
- THE CONTRACTOR SHALL BE ALLOWED TO HALT TRAFFIC FOR A PERIOD OF TIME NOT TO EXCEED 10 MINUTES FOR THE PURPOSE OF PERFORMING NECESSARY WORK, INCLUDING UTILITY RELOCATIONS, WITH THE APPROVAL OF THE ENGINEER. IF MORE THAN ONE 10-MINUTE PERIOD IS REQUIRED, THE CONTRACTOR SHALL ALLOW ALL STORED VEHICLES TO PROCEED THROUGH THE WORK AREA PRIOR TO THE NEXT STOPPAGE.

CIPP NOTES:

- ALL EXISTING MANHOLE WALLS, CORBELS, TABLES, AND INVERTS DESIGNATED FOR REHABILITATION, SHALL BE ASSUMED TO BE OF CONCRETE OR BRICK MATERIAL (FOR BIDDING PURPOSES IF APPLICABLE).
- THE CONTRACTOR IS REQUIRED TO PERFORM CLOSED CIRCUIT TELEVISION INSPECTION PRIOR TO CONSTRUCTION /REHABILITATION TO VERIFY THE EXISTING CONDITIONS OF THE PIPE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE OF FLOW IN EXISTING SEWERS INCLUDING CARRYING-OUT BYPASS PUMPING AND HANDLING STORM RUN-OFF(SPECIFIED IN SECTION 02761) DURING SEWER REHABILITATION.
- THE CONTRACTOR IS REQUIRED TO CONFIRM ALL PIPE SIZES AND MANHOLE DEPTHS DURING PRE-CCTV INSPECTIONS.
- THE MANHOLE DEPTH IS MEASURED FROM RIM ELEVATION TO INVERT LEVEL. THE MANHOLE DEPTH IS APPROXIMATE AND SHOULD BE CONFIRMED IN THE FIELD.
- THE CONTRACTOR SHALL REFER TO THE SPECIFICATION IN SECTION 02767 FOR CIPP REQUIREMENTS.
- CONTRACTOR SHALL INSTALL RISER RINGS TO BRING AN EXISTING MANHOLE TO GRADE IF THE MANHOLE IS FOUND BURIED IN SOIL OR LOWER THAT SURROUNDING GRADE. INSTALLATION OF THE RISER RINGS TO BRING THE MANHOLE TO GRADE SHALL BE IMPLEMENTED PRIOR TO THE IMPLEMENTATION OF MONOLITHIC LINING OF THE MANHOLE. ALL COSTS ASSOCIATED WITH FINDING THE BURIED MANHOLE, AND INSTALLING RISERS TO BRING MANHOLE TO GRADE SHALL BE DEEMED PART OF THE PRICE BID FOR CEMENTITIOUS LINING OF MANHOLE CORBEL, WALLS, & BASE.
- ALL UNKNOWN (UNK) DEPTHS OF MANHOLES SHALL BE ASSUMED TO BE TWENTY (20) FEET IN DEPTH, FOR BIDDING PURPOSES.
- CONTRACTOR SHALL VERIFY ALL EXISTING MANHOLE DEPTHS, PIPE SIZES AND MATERIALS.

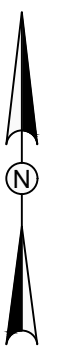


400 Capital Boulevard, Suite 104
Rocky Hill, CT 06067
Phone: 860-563-7775
www.kleinfelder.com



| DRAWING ISSUE | | |
|---------------|-------------------------|---------|
| REV | DESCRIPTION | DATE |
| IFC | ISSUED FOR CONSTRUCTION | 11/2023 |
| | | |
| | | |

| REVISIONS | | | | |
|-----------|-------------|-----|-----|------|
| REV | DESCRIPTION | DSN | CHK | DATE |
| | | | | |
| | | | | |
| | | | | |



SCALE VERIFICATION
THIS BAR IS 1 INCH IN LENGTH ON ORIGINAL DRAWING

IF IT'S NOT 1 INCH ON THIS SHEET ADJUST YOUR SCALES ACCORDINGLY

ORIGINAL DRAWING SIZE IS 22 x 34

LEGEND AND GENERAL NOTES

**SANITARY SEWER IMPROVEMENTS
BOROUGH OF NAUGATUCK**



BOROUGH OF NAUGATUCK
229 CHURCH STREET
NAUGATUCK, CT 06770

ISSUED FOR CONSTRUCTION

| | |
|------------------|----------------|
| PROJECT NO. | 20211186.004A |
| ISSUE DATE | NOVEMBER 2023 |
| CURRENT REVISION | IFC |
| DESIGNED BY | M.PATTON |
| DRAWN BY | K.McCLENDON |
| CHECKED BY | N. KULIKAUSKAS |
| APPROVED BY | H. KOMINSKE |

GEN-02

CAD FILE: \\kleinfelder.com\Shares\BCC\CHILL_DATA\Working\Naugatuck CT\20211186.004A_000-Cu-Call FY23\Task 2_Collector System\Rehab\Drawings\CAD\Production Drawings\20211186_001-G-04.dwg LAYOUT: GEN-02 PLOTTED: 11/2/2023 11:17 AM BY: lezy.norris



| SANITARY SEWER LINE REHABILITATION | | | | | | | | | |
|------------------------------------|----------------------|---------------|-----------------|----------------|--------------|-------------|-------------|---------------|-------------------------------|
| SUBAREA | STREET | STRUCTURE | MATERIAL | DIAMETER (IN.) | LENGTH (FT.) | PIPE ID | UPSTREAM MH | DOWNSTREAM MH | REHABILITATION |
| 6_215 | MILL STREET EASEMENT | SANITARY PIPE | VCP | 12 | 252 | 0237_0238 | 2-37 | 2-38 | CCTV, CIPP LINING AS DIRECTED |
| 6_215 | RIDGE ROAD | SANITARY PIPE | ASBESTOS CEMENT | 6 | 266 | 1097_1096 | 1097 | 1096 | CCTV, CIPP LINING AS DIRECTED |
| 6_215 | LANTERN PARK DRIVE | SANITARY PIPE | CLAY TILE | 8 | 90 | 0256_0255 | 2-56 | 2-55 | CCTV, CIPP LINING AS DIRECTED |
| 6_215 | RIDGE ROAD | SANITARY PIPE | CLAY TILE | 8 | 70 | 0257_0255 | 2-57 | 2-55 | CCTV, CIPP LINING AS DIRECTED |
| 6_215 | LANTERN PARK DRIVE | SANITARY PIPE | CLAY TILE | 8 | 132 | 0255_0254 | 2-55 | 2-54 | CCTV, CIPP LINING AS DIRECTED |
| 6_215 | LANTERN PARK DRIVE | SANITARY PIPE | CLAY TILE | 8 | 209 | 0254_0252 | 2-54 | 2-52 | CCTV, CIPP LINING AS DIRECTED |
| 6_215 | LANTERN PARK DRIVE | SANITARY PIPE | CLAY TILE | 8 | 196 | 0252_0251 | 2-52 | 2-51 | CCTV, CIPP LINING AS DIRECTED |
| 6_215 | LANTERN PARK DRIVE | SANITARY PIPE | CLAY TILE | 8 | 94 | 0251_0250 | 2-51 | 2-50 | CCTV, CIPP LINING AS DIRECTED |
| 6_215 | RIDGE ROAD | SANITARY PIPE | ASBESTOS CEMENT | 8 | 113 | 0250_0249 | 2-50 | 2-49 | CCTV, CIPP LINING AS DIRECTED |
| 7_93 | UNION CITY ROAD | SANITARY PIPE | CLAY TILE | 10 | 260 | 3118_3119 | 3-118 | 3-119 | CCTV, CIPP LINING AS DIRECTED |
| 7_93 | PICTURE LANE | SANITARY PIPE | CLAY TILE | 10 | 192 | 7123_7122 | 7-123 | 7-122 | CCTV, CIPP LINING AS DIRECTED |
| 9_2 | TROWBRIDGE PLACE | SANITARY PIPE | CLAY TILE | 10 | 184 | 9181_9180 | 9-181 | 9-180 | CCTV, CIPP LINING AS DIRECTED |
| 9_2 | TROWBRIDGE PLACE | SANITARY PIPE | CLAY TILE | 10 | 139 | 9182_9181 | 9-182 | 9-181 | CCTV, CIPP LINING AS DIRECTED |
| 9_2 | MELBOURNE STREET | SANITARY PIPE | CLAY TILE | 10 | 182 | 09136_09146 | 9-136 | 9-146 | CCTV, CIPP LINING AS DIRECTED |

| MANHOLE REHABILITATION SUBAREA 6_215 | | | | | |
|--------------------------------------|-------|----------------------|---------------|---------------------------|--|
| SUBAREA | MH ID | STREET | WALL MATERIAL | DEPTH (FT.) RIM TO INVERT | REHABILITATION |
| 6_215 | 2340 | KING STREET | PRECAST | 7.8 | SEAL MANHOLE CHIMNEY |
| 6_215 | 1102 | COACH CIRCLE | PRECAST | 11.3 | REPLACE MANHOLE FRAME AND COVER |
| 6_215 | 1167 | WEDGEWOOD DRIVE | PRECAST | 8.7 | SEAL MANHOLE CHIMNEY |
| 6_215 | 1178 | BRIDLE TRAIL DRIVE | PRECAST | 9.2 | SEAL MANHOLE CHIMNEY |
| 6_215 | 1179 | BRIDLE TRAIL DRIVE | PRECAST | 9.5 | SEAL MANHOLE CHIMNEY |
| 6_215 | 2342 | FARFIELD COURT | PRECAST | 13.0 | SEAL MANHOLE CHIMNEY |
| 6_215 | 2-36 | FIELD STREET | UNKNWN | 3.9 | SEAL MANHOLE CHIMNEY |
| 6_215 | 2-40 | MILL STREET EASEMENT | PRECAST | 13.5 | CEMENTITIOUS LINING OF MANHOLE CORBEL, WALLS, & BASE |
| 6_215 | 2-41 | MILL STREET EASEMENT | PRECAST | 11.6 | CEMENTITIOUS LINING OF MANHOLE CORBEL, WALLS, & BASE |
| 6_215 | 2-42 | MILL STREET EASEMENT | PRECAST | 9.6 | CEMENTITIOUS LINING OF MANHOLE CORBEL, WALLS, & BASE |
| 6_215 | 2479 | WEDGEWOOD DRIVE | PRECAST | 7.3 | CEMENTITIOUS LINING OF MANHOLE CORBEL, WALLS, & BASE |
| 6_215 | 2-49 | LANTERN PARK DRIVE | PRECAST | 15.0 | CEMENTITIOUS LINING OF MANHOLE CORBEL, WALLS, & BASE |
| 6_215 | 2-54 | COACH CIRCLE | PRECAST | 10.7 | CEMENTITIOUS LINING OF MANHOLE CORBEL, WALLS, & BASE |
| 6_215 | 2-56 | LANTERN PARK DRIVE | PRECAST | 10.7 | REPLACE MANHOLE FRAME AND COVER |
| 6_215 | 2-67 | PATRIDGETOWN ROAD | PRECAST | 8.0 | SEAL MANHOLE CHIMNEY |
| 6_215 | 2-69 | PATRIDGETOWN ROAD | PRECAST | 8.6 | SEAL MANHOLE CHIMNEY |
| 6_215 | 2-85 | PILGRIM LANE | PRECAST | 15.0 | CEMENTITIOUS LINING OF MANHOLE CORBEL, WALLS, & BASE |
| 6_215 | 2-90 | TANGLEWOOD DRIVE | PRECAST | 7.2 | REBUILD MANHOLE RISER |
| 6_215 | 2-94 | WEDGEWOOD DRIVE | BRICK | 7.0 | CEMENTITIOUS LINING OF MANHOLE CORBEL, WALLS, & BASE |

| MANHOLE REHABILITATION SUBAREA 7_93 | | | | | |
|-------------------------------------|--------|-----------------|---------------|---------------------------|--|
| SUBAREA | MH ID | STREET | WALL MATERIAL | DEPTH (FT.) RIM TO INVERT | REHABILITATION |
| 7_93 | 7-113 | PROSPECT STREET | BRICK | 5.2 | CEMENTITIOUS LINING OF MANHOLE CORBEL, WALLS, & BASE |
| 7_93 | 4-108 | WATERBURY ROW | BRICK | 6.7 | REPLACE MANHOLE FRAME AND COVER |
| 7_93 | 7-97 | PROSPECT STREET | BRICK | 9.9 | REPLACE MANHOLE FRAME AND COVER |
| 7_93 | 7-103 | PROSPECT STREET | BRICK | 11.3 | REPLACE MANHOLE FRAME AND COVER |
| 7_93 | 7-252 | EAGLE STREET | BRICK | 10.3 | REPLACE MANHOLE FRAME AND COVER |
| 7_93 | 7-108A | PICTURE LANE | BRICK | 5.2 | REPLACE MANHOLE FRAME AND COVER |

| MANHOLE REHABILITATION SUBAREA 246 | | | | | |
|------------------------------------|-------|-----------------------|---------------|---------------------------|---|
| SUBAREA | MH ID | STREET | WALL MATERIAL | DEPTH (FT.) RIM TO INVERT | REHABILITATION |
| 246 | 2-6 | HOP BROOK GOLF COURSE | PRECAST | 7.8 | CEMENTITIOUS LINING OF MANHOLE CORBEL, WALLS, & BASE |
| 246 | 2-7 | HOP BROOK GOLF COURSE | PRECAST | 7.8 | CEMENTITIOUS LINING OF MANHOLE CORBEL, WALLS, & BASE |
| 246 | 2-10 | HOP BROOK GOLF COURSE | PRECAST | 7.1 | SEAL MANHOLE CHIMNEY; REPLACE MANHOLE FRAME AND COVER |
| 246 | 2-16C | GUS STREET | PRECAST | 8.7 | SEAL MANHOLE CHIMNEY |
| 246 | 1105 | GUS STREET | PRECAST | 5.7 | SEAL MANHOLE CHIMNEY |

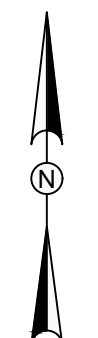
| MANHOLE REHABILITATION SUBAREA 6_1 | | | | | |
|------------------------------------|-------|-------------------|---------------|---------------------------|--|
| SUBAREA | MH ID | STREET | WALL MATERIAL | DEPTH (FT.) RIM TO INVERT | REHABILITATION |
| 6_1 | 6-11 | MILLVILLE AVENUE | BRICK | 6.4 | CEMENTITIOUS LINING OF MANHOLE CORBEL, WALLS, & BASE |
| 6_1 | 6-12 | MILLVILLE AVENUE | PRECAST | 6.5 | SEAL MANHOLE CHIMNEY |
| 6_1 | 6-13 | MILLVILLE AVENUE | PRECAST | 7.5 | SEAL MANHOLE CHIMNEY |
| 6_1 | 6-15 | MILLVILLE AVENUE | PRECAST | 8.3 | SEAL MANHOLE CHIMNEY |
| 6_1 | 6-16 | MILLVILLE AVENUE | PRECAST | 6.9 | SEAL MANHOLE CHIMNEY |
| 6_1 | 6-17 | WEST HILL TERRACE | PRECAST | 5.7 | SEAL MANHOLE CHIMNEY |
| 6_1 | 6-19 | WESTVIEW DRIVE | PRECAST | 7.2 | SEAL MANHOLE CHIMNEY |
| 6_1 | 6-20 | WESTVIEW DRIVE | PRECAST | 8.0 | SEAL MANHOLE CHIMNEY |
| 6_1 | 6-21 | WESTVIEW DRIVE | PRECAST | 12.9 | SEAL MANHOLE CHIMNEY |

| MANHOLE REHABILITATION SUBAREA 9_2 | | | | | |
|------------------------------------|-------|-----------------|---------------|---------------------------|---|
| SUBAREA | MH ID | STREET | WALL MATERIAL | DEPTH (FT.) RIM TO INVERT | REHABILITATION |
| 9_2 | 6-180 | HILLSIDE AVENUE | BRICK | 4.6 | REBUILD MANHOLE RISER |
| 9_2 | 9-206 | FAIRVIEW DRIVE | PRECAST | 5.6 | REPAIR OR REBUILD MANHOLE BRICK TABLE & INVERTS; CEMENTITIOUS LINING OF MANHOLE CORBEL, WALLS, & BASE |
| 9_2 | 9-212 | PARK PLACE | Brick | 5.5 | REPLACE MANHOLE FRAME AND COVER |

| DRAWING ISSUE | | |
|---------------|-------------------------|---------|
| REV | DESCRIPTION | DATE |
| IFC | ISSUED FOR CONSTRUCTION | 11/2023 |

| REVISIONS | | | | |
|-----------|-------------|-----|-----|------|
| REV | DESCRIPTION | DSN | CHK | DATE |
| | | | | |
| | | | | |
| | | | | |

ISSUED FOR CONSTRUCTION



SCALE VERIFICATION
THIS BAR IS 1 INCH IN LENGTH ON ORIGINAL DRAWING

IF IT'S NOT 1 INCH ON THIS SHEET ADJUST YOUR SCALES ACCORDINGLY

ORIGINAL DRAWING SIZE IS 22 x 34

LEGEND AND REHABILITATION TABLE

SANITARY SEWER IMPROVEMENTS
BOROUGH OF NAUGATUCK



BOROUGH OF NAUGATUCK
229 CHURCH STREET
NAUGATUCK, CT 06770

ISSUED FOR CONSTRUCTION

| | |
|------------------|---------------|
| PROJECT NO. | 20211186.004A |
| ISSUE DATE | NOVEMBER 2023 |
| CURRENT REVISION | IFC |
| DESIGNED BY | M.PATTON |
| DRAWN BY | K.McCLENDON |
| CHECKED BY | N. KULKAUSKAS |
| APPROVED BY | H. KOMINSKE |

GEN-03



REVISIONS

| REV | DESCRIPTION | DSN DWN | CHK APP | DATE |
|-----|-------------|---------|---------|------|
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

LOCATION MAP



SCALE VERIFICATION
THIS BAR IS 1 INCH IN LENGTH ON ORIGINAL DRAWING
0 1"
IF IT'S NOT 1 INCH ON THIS SHEET ADJUST YOUR SCALE ACCORDINGLY

ORIGINAL DRAWING SIZE IS 22 X 34

SANITARY SEWER IMPROVEMENTS

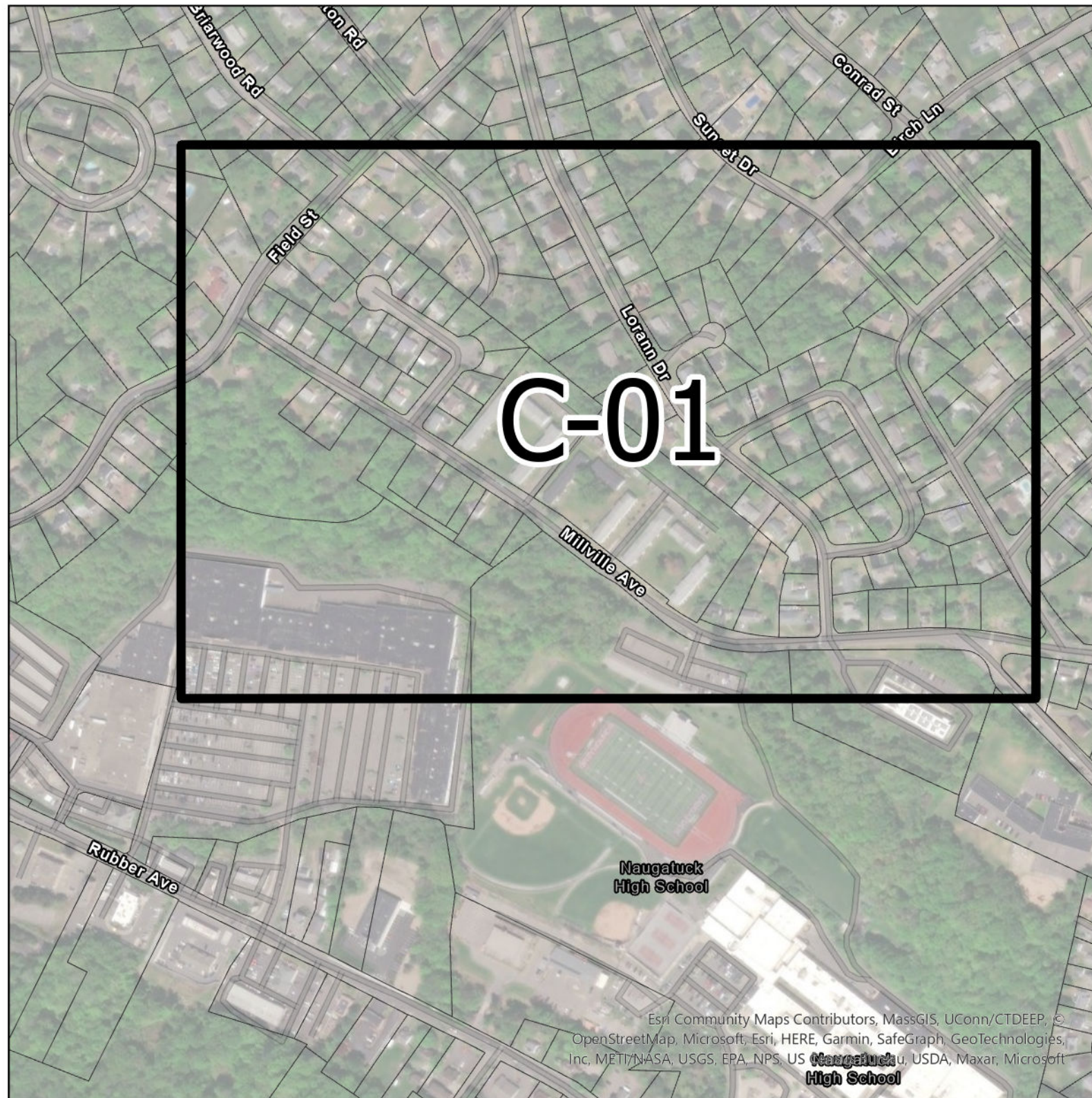
SHEET INDEX



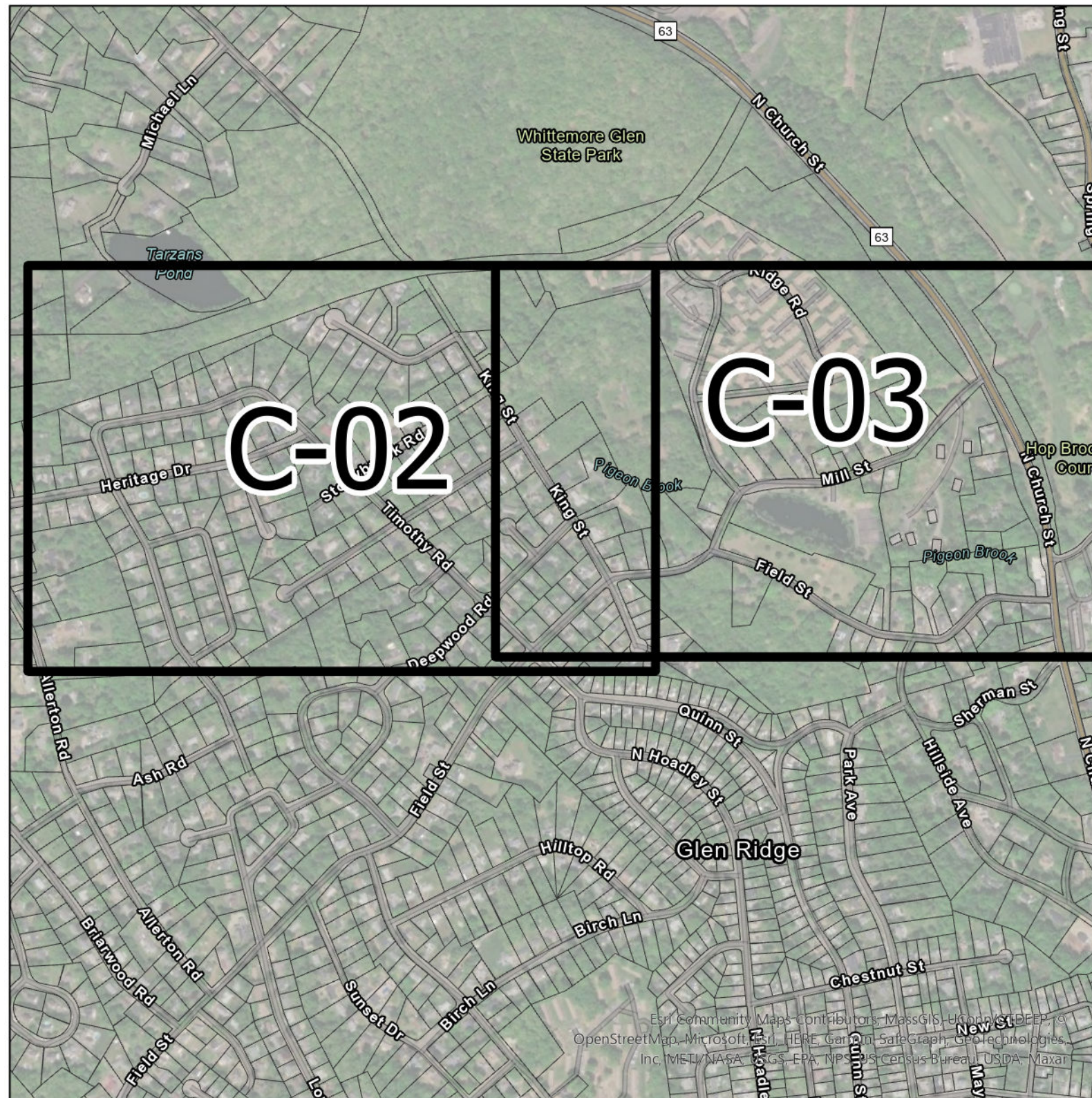
ISSUED FOR CONSTRUCTION

PROJECT NO. 20211186.005A
ISSUE DATE NOVEMBER 2023
CURRENT REVISION -
DESIGNED BY M.PATTON
DRAWN BY M.PATTON
CHECKED BY H.KULIKAUSKAS
APPROVED BY H.KOMINSKE

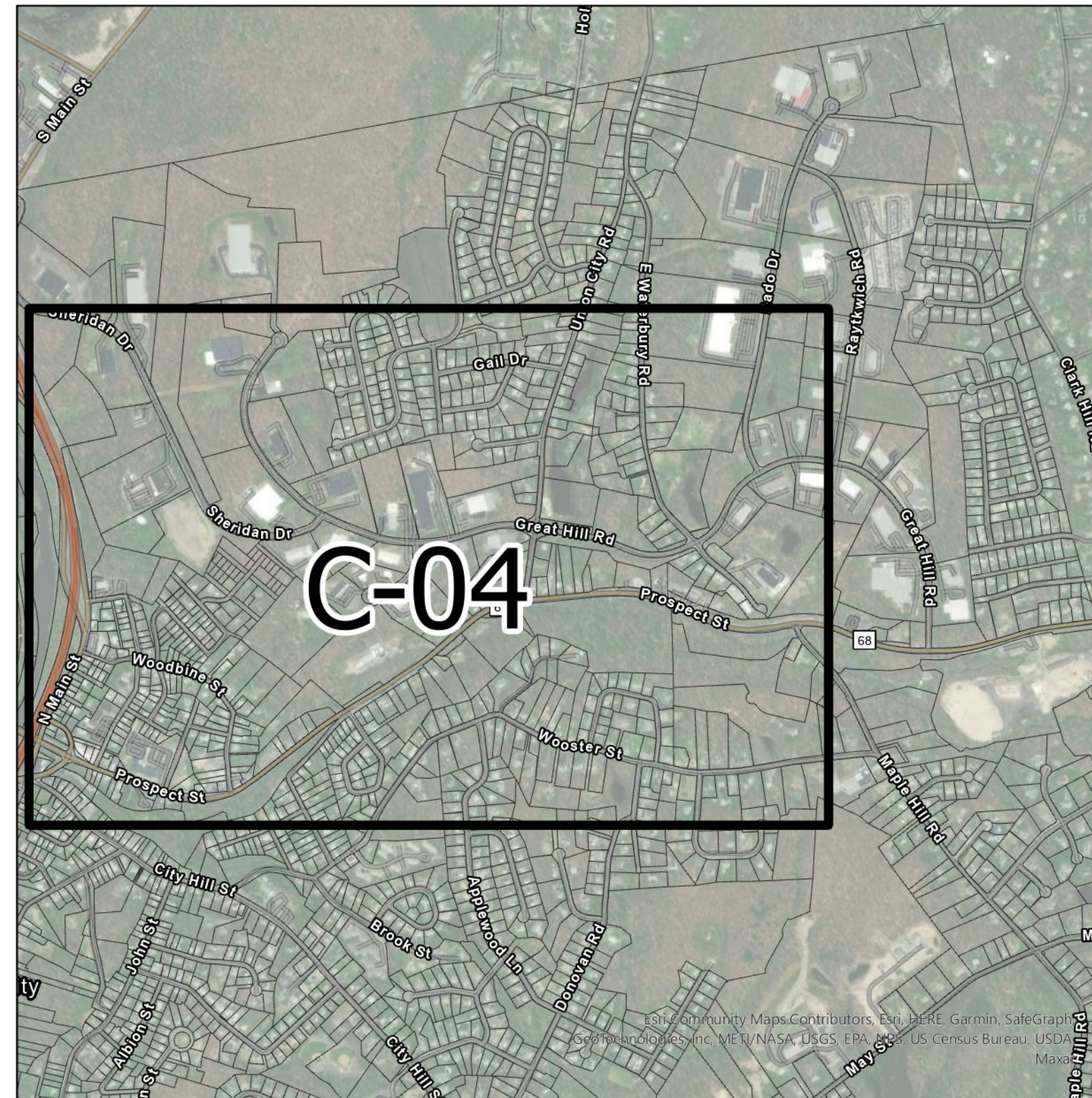
GEN-04



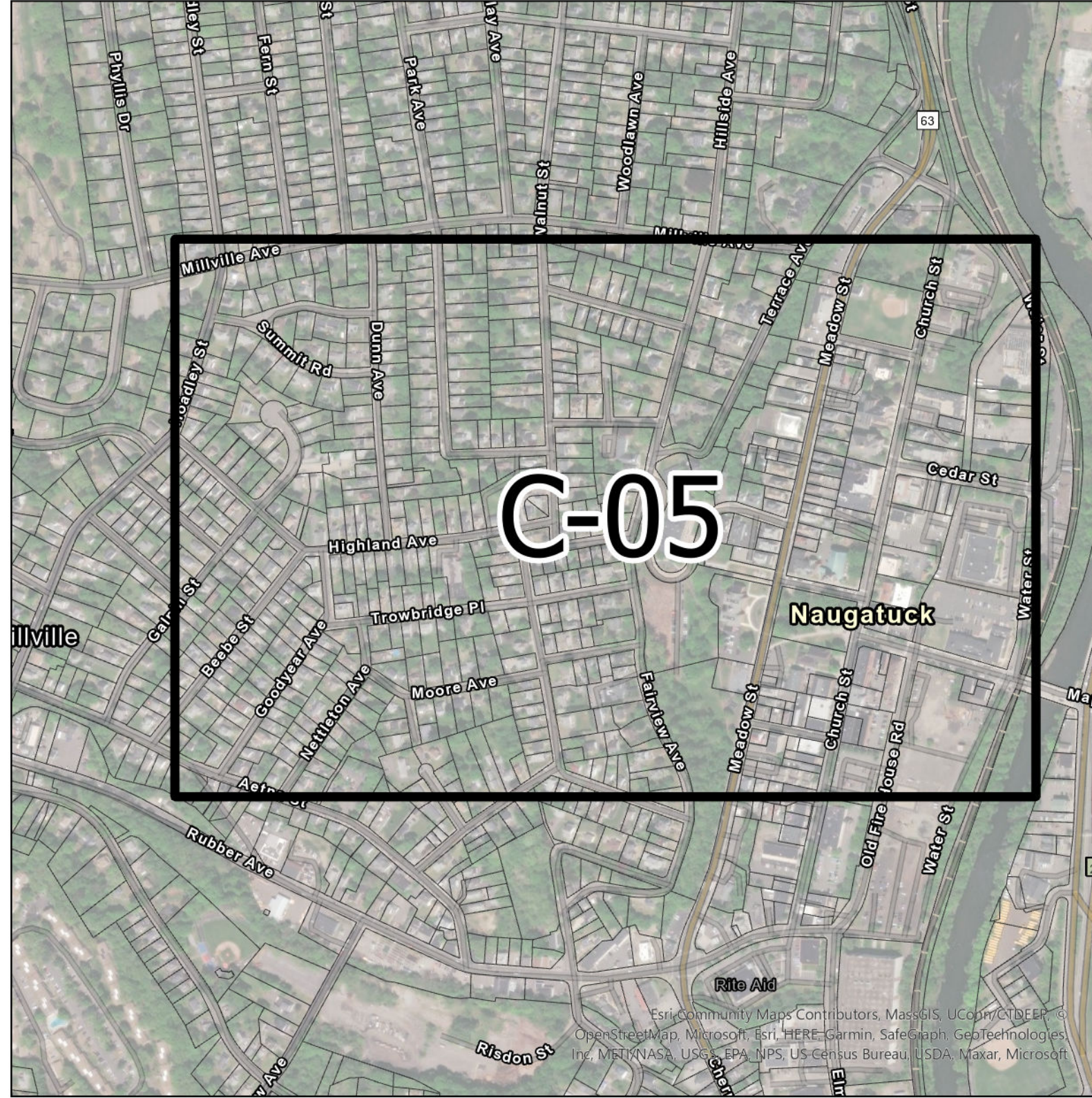
SUBAREA 6_1



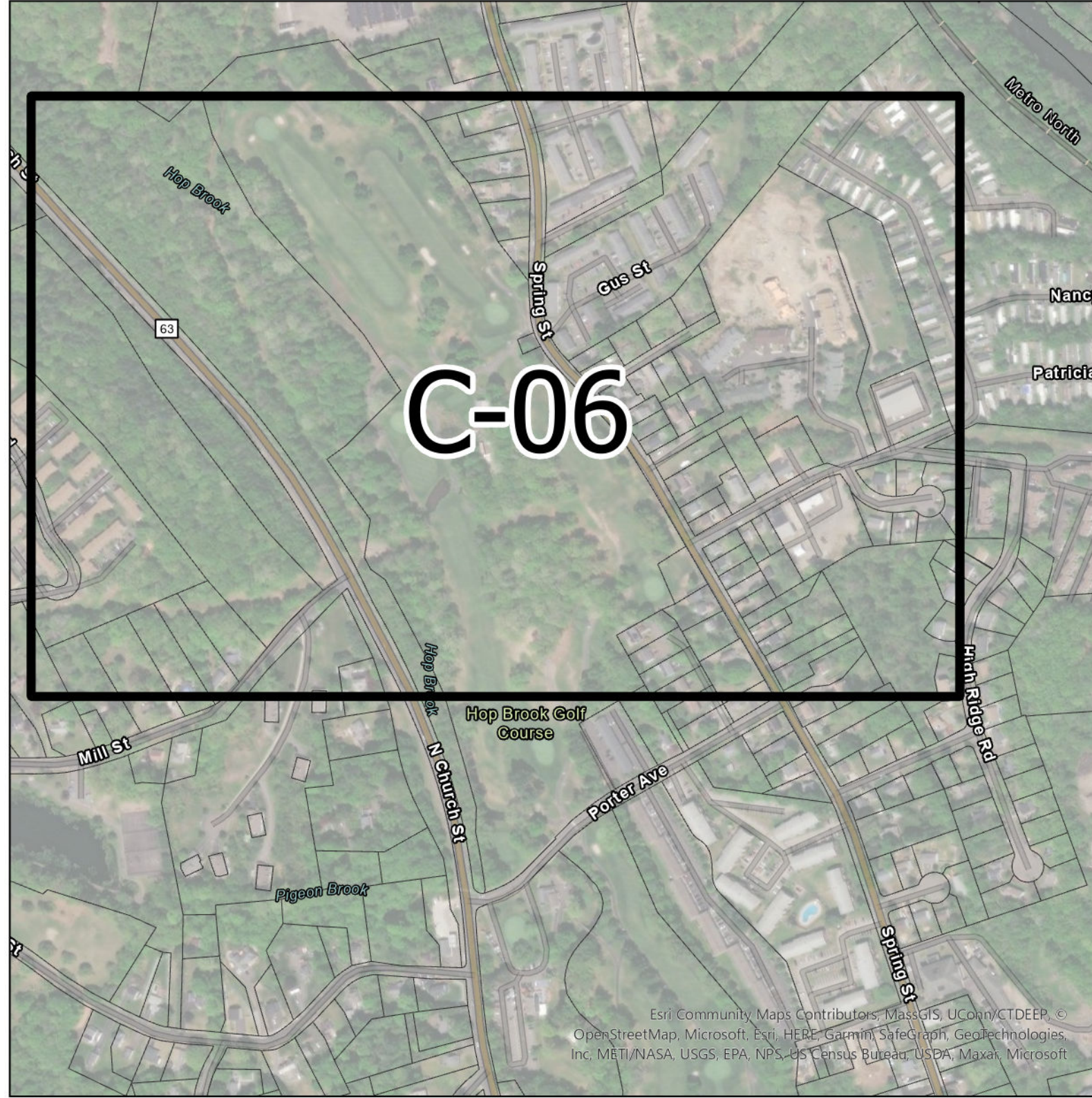
SUBAREA 6_215



SUBAREA 7_93



SUBAREA 9_2



SUBAREA 246

STREET NAMES

SUBAREA 6_1
MILLVILLE AVENUE
WEST HILL TERRACE
WESTVIEW DRIVE

SUBAREA 6_215
MILL STREET EASEMENT
RIDGE ROAD
LANTERN PARK DRIVE
KING STREET
COACH CIRCLE
WEDGEWOOD DRIVE
BRIDLE TRAIL DRIVE
FARFIELD COURT
FIELD STREET
PATRIDGETOWN ROAD
PILGRIM LANE
TANGLEWOOD DRIVE

SUBAREA 7_93
UNION CITY ROAD
PICTURE LANE
PROSPECT STREET
WATERBURY ROW
EAGLE STREET

SUBAREA 9_2
HILLSIDE AVENUE
FAIRVIEW DRIVE
TROWBRIDGE PLACE
MELBOURNE STREET

SUBAREA 246
HOP BROOK GOLF COURSE
GUS STREET

Esri Community Maps Contributors, MassGIS, UConn/CIDEEP, OpenStreetMap, Microsoft, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc., METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, Maxar, Microsoft

Esri Community Maps Contributors, MassGIS, UConn/CIDEEP, OpenStreetMap, Microsoft, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc., METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, Maxar, Microsoft

Esri Community Maps Contributors, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc., METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, Maxar, Microsoft

Esri Community Maps Contributors, MassGIS, UConn/CIDEEP, OpenStreetMap, Microsoft, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc., METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, Maxar, Microsoft

Esri Community Maps Contributors, MassGIS, UConn/CIDEEP, OpenStreetMap, Microsoft, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc., METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, Maxar, Microsoft

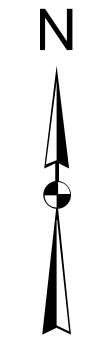
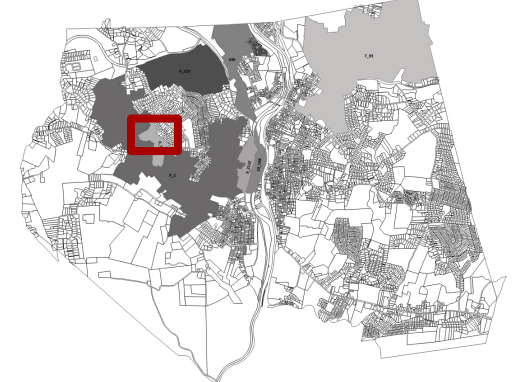
Esri Community Maps Contributors, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc., METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, Maxar, Microsoft



REVISIONS

| REV | DESCRIPTION | DSN DWN | CHK APP | DATE |
|-----|-------------|---------|---------|------|
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

LOCATION MAP



SCALE VERIFICATION
THIS BAR IS 1 INCH IN LENGTH ON ORIGINAL DRAWING

IF IT'S NOT 1 INCH ON THIS SHEET ADJUST YOUR SCALE ACCORDINGLY

0 50 100 200 Feet

ORIGINAL DRAWING SIZE IS 22 X 34

SUBAREA 6_1

SANITARY SEWER IMPROVEMENTS
BOROUGH OF NAUGATUCK, CT



ISSUED FOR CONSTRUCTION

| | |
|------------------|---------------|
| PROJECT NO. | 20211186.005A |
| ISSUE DATE | NOVEMBER 2023 |
| CURRENT REVISION | - |
| DESIGNED BY | M.PATTON |
| DRAWN BY | M.PATTON |
| CHECKED BY | N.KULIKAUSKAS |
| APPROVED BY | H.KOMINSKE |

C-01



Legend

- ▲ Raise to Grade
- ◆ Replace Frame & Cover
- Lining
- CCTV - Line As Directed
- ✚ Repair
- Seal
- Sanitary Manhole
- Sanitary Sewer

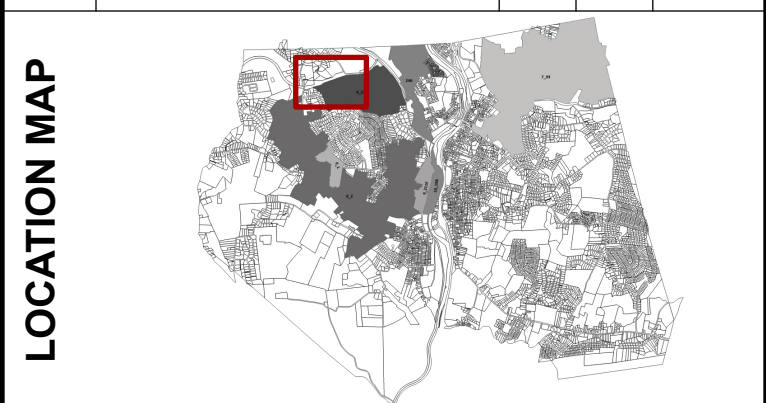
NOTES:

1. SEE LEGEND SHEET FOR PIPE LENGTHS AND DIAMETERS, MANHOLE DEPTHS, ETC. CORRESPONDING TO OBJECT IDS SHOWN ON MAP.



REVISIONS

| REV | DESCRIPTION | DSN DWN | CHK APP | DATE |
|-----|-------------|---------|---------|------|
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |



N

SCALE VERIFICATION
THIS BAR IS 1 INCH IN LENGTH ON ORIGINAL DRAWING

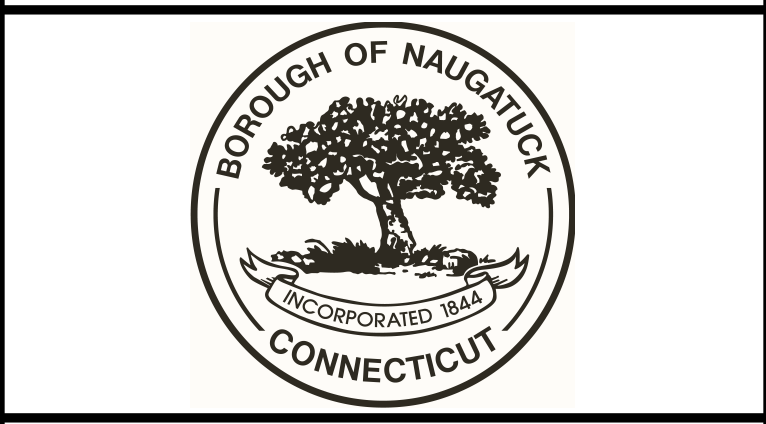
IF IT'S NOT 1 INCH ON THIS SHEET ADJUST YOUR SCALE ACCORDINGLY

0 50 100 200 300 Feet

ORIGINAL DRAWING SIZE IS 22 X 34

SUBAREA 6_215 SECTION 1

SANITARY SEWER IMPROVEMENTS
BOROUGH OF NAUGATUCK, CT



ISSUED FOR CONSTRUCTION

Legend

- ▲ Raise to Grade
- ◆ Replace Frame & Cover
- Lining
- - - CCTV - Line As Directed
- + Repair
- Seal
- Sanitary Manhole
- Sanitary Sewer

NOTES:

1. SEE LEGEND SHEET FOR PIPE LENGTHS AND DIAMETERS, MANHOLE DEPTHS, ETC. CORRESPONDING TO OBJECT IDS SHOWN ON MAP.

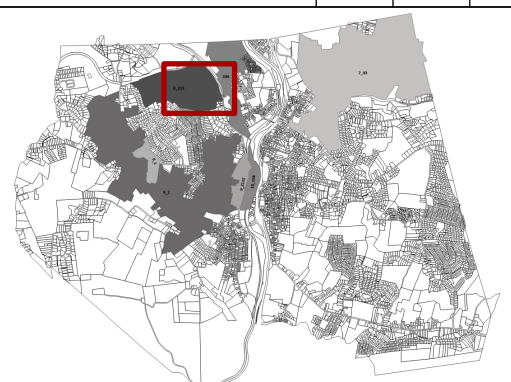
| | |
|------------------|---------------|
| PROJECT NO. | 20211186.005A |
| ISSUE DATE | NOVEMBER 2023 |
| CURRENT REVISION | - |
| DESIGNED BY | M.PATTON |
| DRAWN BY | M.PATTON |
| CHECKED BY | N.KULIKAUSKAS |
| APPROVED BY | H.KOMINSKE |



REVISIONS

| REV | DESCRIPTION | DSN DWN | CHK APP | DATE |
|-----|-------------|---------|---------|------|
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

LOCATION MAP



SCALE VERIFICATION
THIS BAR IS 1 INCH IN LENGTH ON ORIGINAL DRAWING

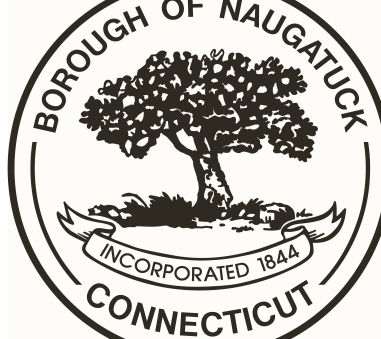
IF IT'S NOT 1 INCH ON THIS SHEET ADJUST YOUR SCALE ACCORDINGLY

0 50 100 200 300 Feet

ORIGINAL DRAWING SIZE IS 22 X 34

SUBAREA 6_215 SECTION 2

SANITARY SEWER IMPROVEMENTS
BOROUGH OF NAUGATUCK, CT



ISSUED FOR CONSTRUCTION

| | |
|------------------|---------------|
| PROJECT NO. | 20211186.005A |
| ISSUE DATE | NOVEMBER 2023 |
| CURRENT REVISION | - |
| DESIGNED BY | M.PATTON |
| DRAWN BY | M.PATTON |
| CHECKED BY | N.KULIKAUSKAS |
| APPROVED BY | H.KOMINSKE |

C-03



Legend

- ▲ Raise to Grade
- ◆ Replace Frame & Cover
- Lining
- CCTV - Line As Directed
- ✚ Repair
- Seal
- Sanitary Manhole
- Sanitary Sewer

NOTES:

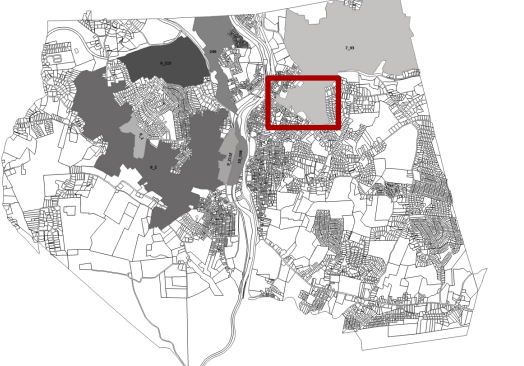
1. SEE LEGEND SHEET FOR PIPE LENGTHS AND DIAMETERS, MANHOLE DEPTHS, ETC. CORRESPONDING TO OBJECT IDS SHOWN ON MAP.



REVISIONS

| REV | DESCRIPTION | DSN DWN | CHK APP | DATE |
|-----|-------------|---------|---------|------|
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

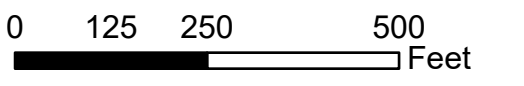
LOCATION MAP



SCALE VERIFICATION
THIS BAR IS 1 INCH IN LENGTH ON ORIGINAL DRAWING

0 1" 1"

IF IT'S NOT 1 INCH ON THIS SHEET ADJUST YOUR SCALE ACCORDINGLY



ORIGINAL DRAWING SIZE IS 22 X 34

SUBAREA 7_93

SANITARY SEWER IMPROVEMENTS
BOROUGH OF NAUGATUCK, CT



ISSUED FOR CONSTRUCTION

| | |
|------------------|---------------|
| PROJECT NO. | 2021186.005A |
| ISSUE DATE | NOVEMBER 2023 |
| CURRENT REVISION | - |
| DESIGNED BY | M.PATTON |
| DRAWN BY | M.PATTON |
| CHECKED BY | N.KULIKAUSKAS |
| APPROVED BY | H.KOMINSKE |

C-04



Legend

- ▲ Raise to Grade
- ◆ Replace Frame & Cover
- Lining
- CCTV - Line As Directed
- ✚ Repair
- Seal
- Sanitary Manhole
- Sanitary Sewer

NOTES:

1. SEE LEGEND SHEET FOR PIPE LENGTHS AND DIAMETERS, MANHOLE DEPTHS, ETC. CORRESPONDING TO OBJECT IDS SHOWN ON MAP.



Legend

- ▲ Raise to Grade
- ◆ Replace Frame & Cover
- Lining
- ➡ CCTV - Line As Directed
- ✚ Repair
- Seal
- Sanitary Manhole
- Sanitary Sewer

NOTES:

1. SEE LEGEND SHEET FOR PIPE LENGTHS AND DIAMETERS, MANHOLE DEPTHS, ETC. CORRESPONDING TO OBJECT IDS SHOWN ON MAP.



400 CAPITAL BOULEVARD, SUITE 104
ROCKY HILL, CT 06067
PHONE: 860-563-7775
WWW.KLEINFELDER.COM



| REVISIONS | | | | |
|-----------|-------------|---------|---------|------|
| REV | DESCRIPTION | DSN DWN | CHK APP | DATE |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

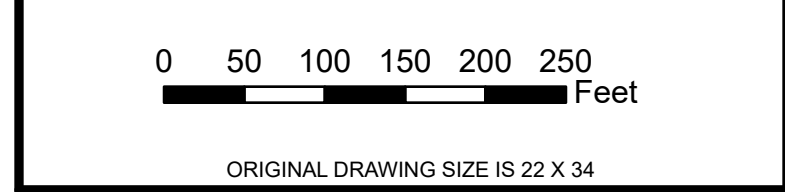


N

SCALE VERIFICATION
THIS BAR IS 1 INCH IN LENGTH ON ORIGINAL DRAWING

0 1"

IF IT'S NOT 1 INCH ON THIS SHEET ADJUST YOUR SCALE ACCORDINGLY



SUBAREA 9_2

SANITARY SEWER IMPROVEMENTS
BOROUGH OF NAUGATUCK, CT



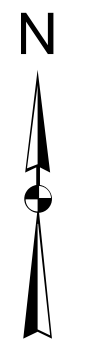
ISSUED FOR CONSTRUCTION

| | | |
|------------------|---------------|------|
| PROJECT NO. | 2021186.005A | C-05 |
| ISSUE DATE | NOVEMBER 2023 | |
| CURRENT REVISION | - | |
| DESIGNED BY | M.PATTON | |
| DRAWN BY | M.PATTON | |
| CHECKED BY | N.KULIKAUSKAS | |
| APPROVED BY | H.KOMINSKE | |



REVISIONS

| REV | DESCRIPTION | DSN DWN | CHK APP | DATE |
|-----|-------------|------------|------------|------|
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |



SCALE VERIFICATION
THIS BAR IS 1 INCH IN LENGTH
ON ORIGINAL DRAWING

IF IT'S NOT 1 INCH ON THIS
SHEET ADJUST YOUR
SCALE ACCORDINGLY

0 35 70 140 210 280 Feet

ORIGINAL DRAWING SIZE IS 22 X 34

SUBAREA 246

SANITARY SEWER IMPROVEMENTS
BOROUGH OF NAUGATUCK, CT



ISSUED FOR CONSTRUCTION

| | |
|------------------|---------------|
| PROJECT NO. | 20211186.005A |
| ISSUE DATE | NOVEMBER 2023 |
| CURRENT REVISION | - |
| DESIGNED BY | M.PATTON |
| DRAWN BY | M.PATTON |
| CHECKED BY | N.KULIKAUSKAS |
| APPROVED BY | H.KOMINSKE |

C-06



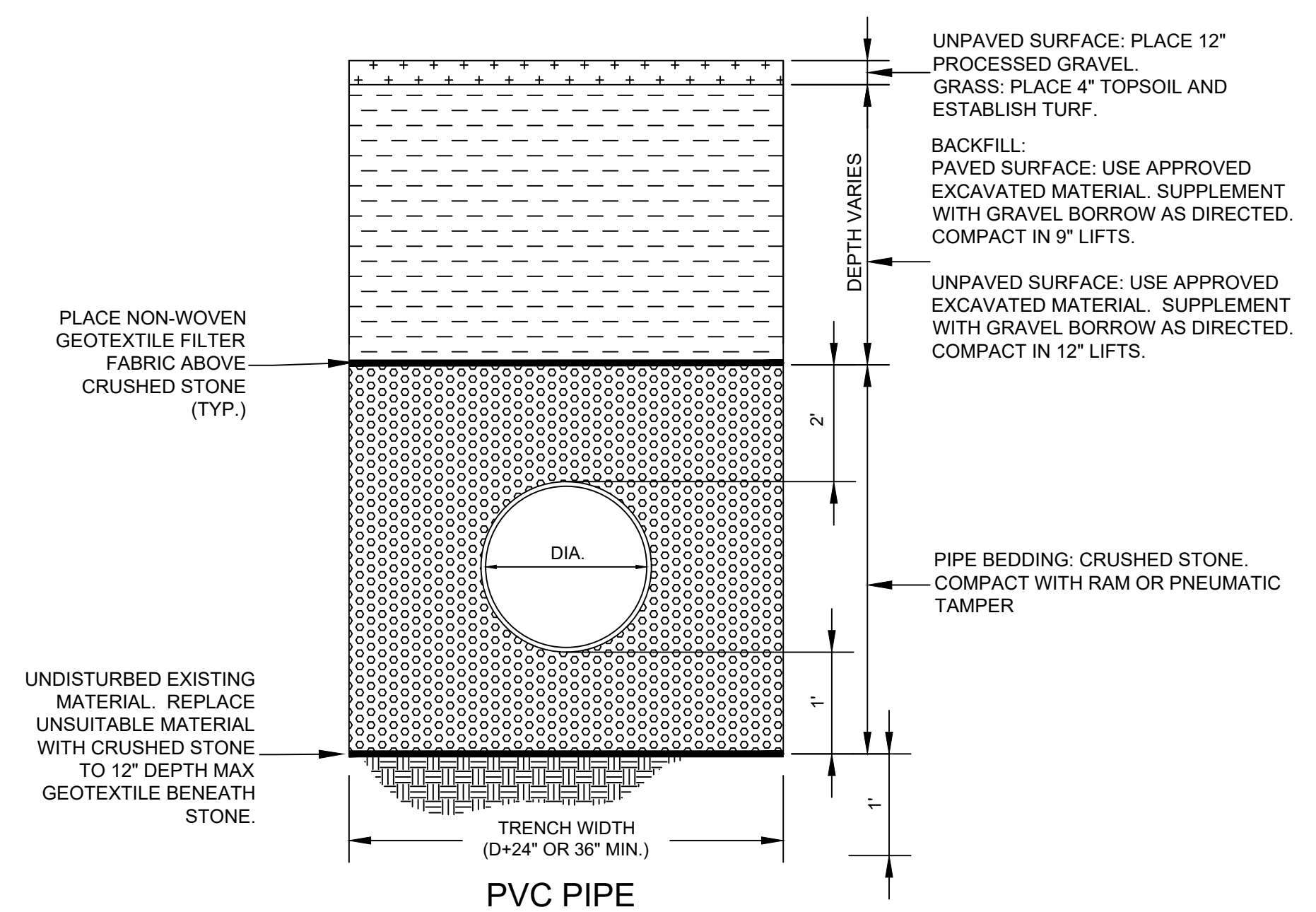
Legend

- ▲ Raise to Grade
- ◆ Replace Frame & Cover
- Lining
- ➡ CCTV - Line As Directed
- ✚ Repair
- Seal
- Sanitary Manhole
- Sanitary Sewer

NOTES:

1. SEE LEGEND SHEET FOR PIPE LENGTHS AND DIAMETERS, MANHOLE DEPTHS, ETC. CORRESPONDING TO OBJECT IDS SHOWN ON MAP.

CAD FILE: \\kleinfelder.com\Shares\ROCKYHILL\DATA\Working\Naugatuck CT\20211186.004A_000-Civil\FV230\Task 2_Collector System\Rehab\Drawings\CAD\Production Drawings\20211186_DT.dwg LAYOUT: DT-01
 PLOTTED: 11/22/2023 11:23 AM BY: lizy rems

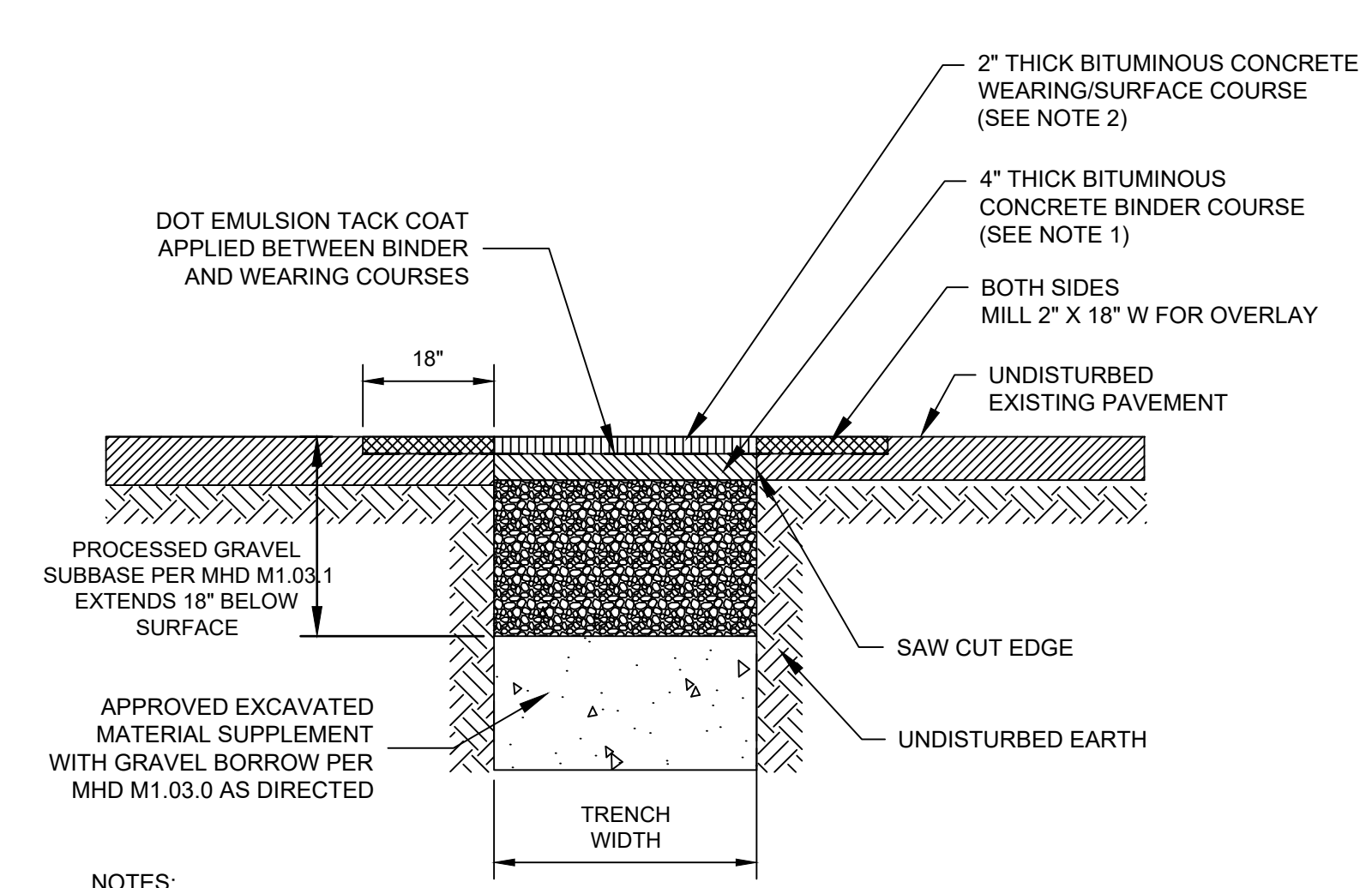


PVC PIPE

NOTES:

- ALLOWABLE TRENCH WIDTH FOR MEASUREMENT FOR PAYMENT OF PAVEMENT REPAIR (SEE DETAIL) SHALL BE D+24" OR 36" MIN REGARDLESS OF ACTUAL TRENCH WIDTH.

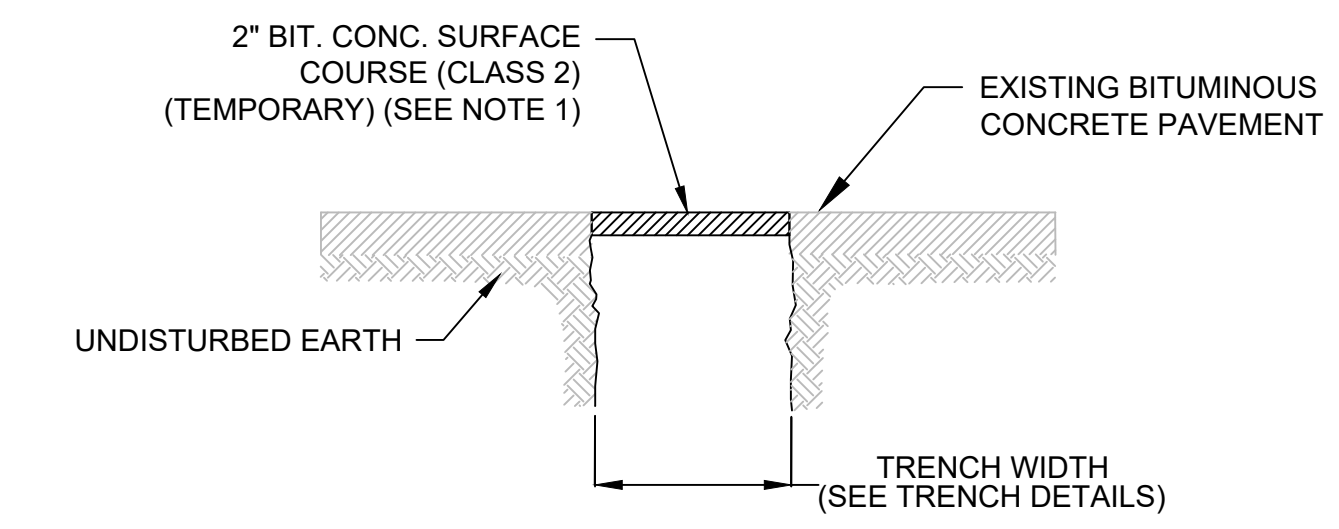
PVC SANITARY SEWER TRENCH
SCALE: N.T.S.



NOTES:

- BINDER COURSE SHALL BE PLACED IN 2" LIFTS. BINDER COURSE SHALL HAVE TWO 2" LIFTS (4" TOTAL). BINDER COURSE SHALL BE CLASS 1 TYPE I-1 ON PRIMARY STREETS AND CLASS 2 ON SECONDARY STREETS.
- WEARING/SURFACE COURSE SHALL BE CLASS 1 TYPE I-1 ON PRIMARY STREETS AND CLASS 2 ON SECONDARY STREETS.
- MAXIMUM ALLOWABLE TRENCH WIDTH FOR MEASUREMENT FOR PAYMENT OF PAVEMENT REPAIR (SEE TRENCH DETAIL ON D-03) SHALL BE 36" REGARDLESS OF ACTUAL TRENCH WIDTH, REFER TO SECTION 01150 OF THE SPECIFICATIONS.
- PERMANENT PAVEMENT REPLACEMENT SHALL BE PLACED OVER TRENCHES IN PAVED AREAS AT THE END OF EACH WEEK OR AS DIRECTED.

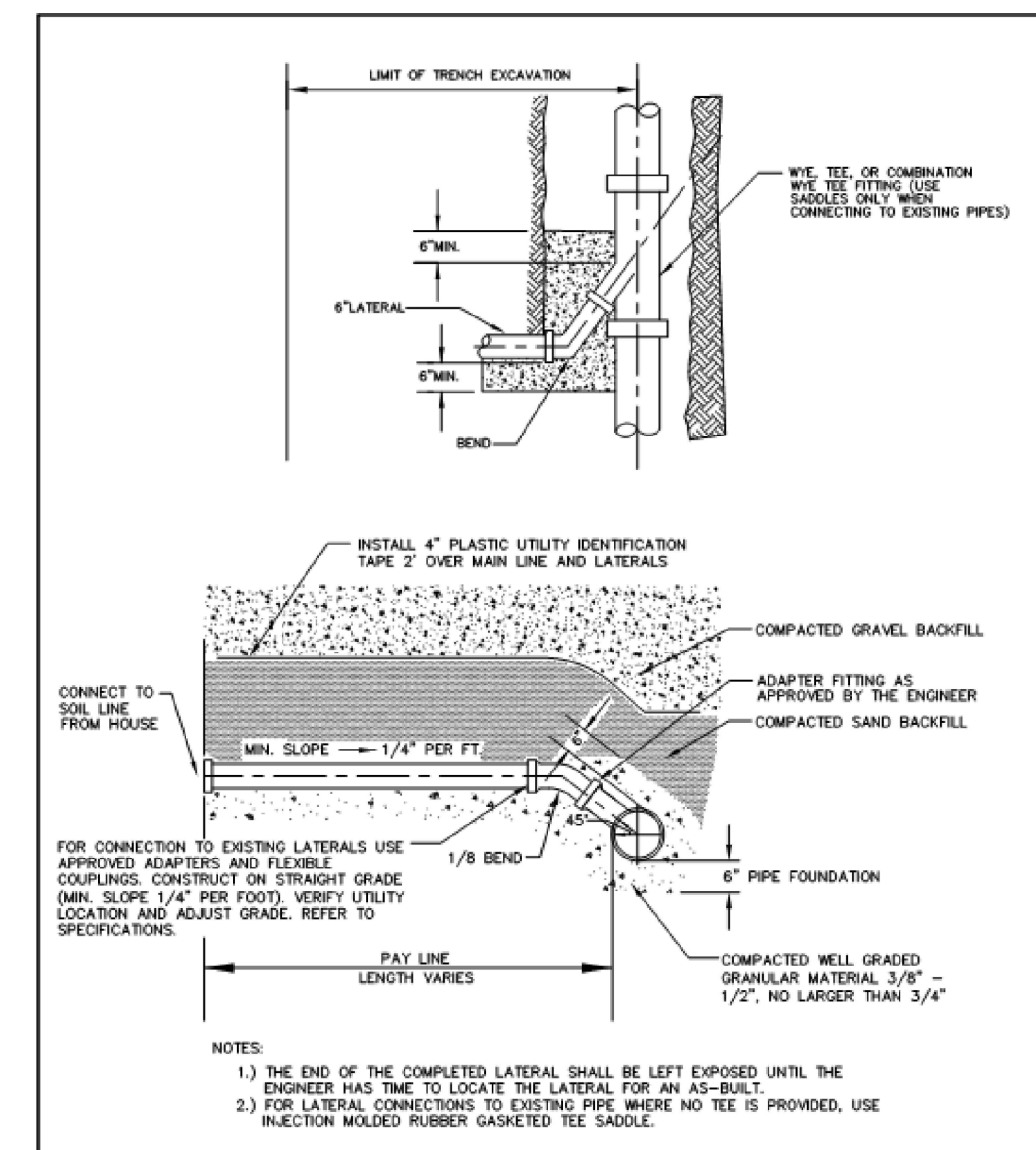
PERMANENT PAVEMENT REPLACEMENT DETAIL
SCALE: N.T.S.



NOTES:

- TEMPORARY TRENCH PAVEMENT PAYMENT WIDTH SHALL BE EQUAL TO THE TRENCH PAYMENT LIMIT.
- TEMPORARY TRENCH PATCH REPAIR CONSISTING OF A MINIMUM 2" THICK BIT. CONC. SURFACE COURSE SHALL BE PLACED OVER TRENCHES IN PAVED AREAS AT THE END OF EACH WORKING DAY OR AS DIRECTED. TEMPORARY TRENCH PATCH SHALL BE NOT MEASURED SEPARATELY FOR PAYMENT.

TEMPORARY TRENCH PATCH
SCALE: N.T.S.

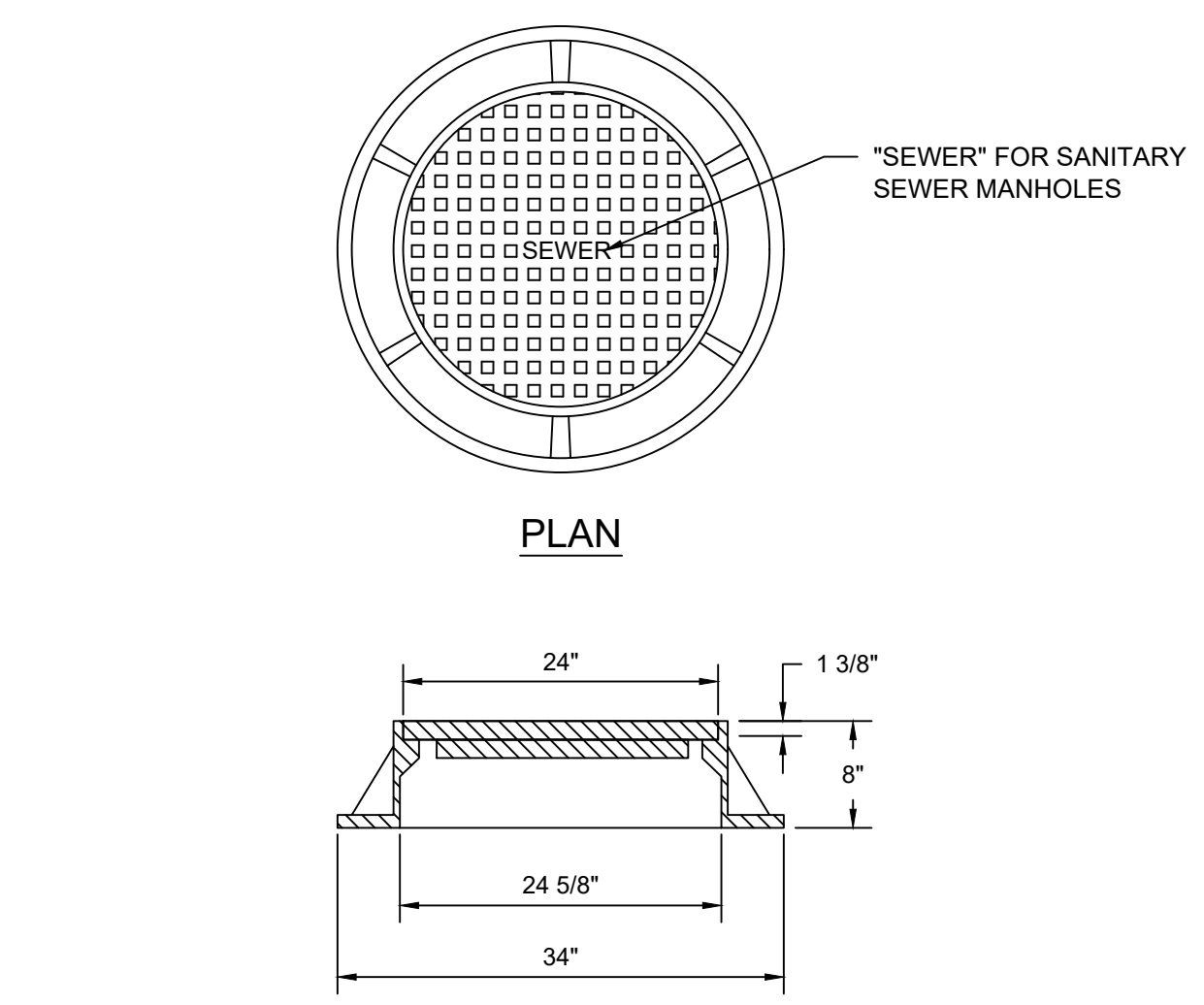


NOTES:

- THE END OF THE COMPLETED LATERAL SHALL BE LEFT EXPOSED UNTIL THE ENGINEER HAS TIME TO LOCATE THE LATERAL FOR AN AS-BUILT.
- FOR LATERAL CONNECTIONS TO EXISTING PIPE WHERE NO TEE IS PROVIDED, USE INJECTION MOLDED RUBBER GASKETED TEE SADDLE.

| | | |
|--|--|-----------------------------|
| | SANITARY SEWER LATERAL CONNECTION | Scale: NTS |
| | BOROUGH OF NAUGATUCK ENGINEERING DEPARTMENT STANDARD DETAIL | Drawing No. SD-17 |
| | 229 Church Street, Naugatuck, CT 06770 www.naugatuck-ct.gov | Date: 10/2011 |

SANITARY SEWER LATERAL CONNECTION
SCALE: N.T.S.



NOTE:

- MANUFACTURER: CAMPBELL CONSTRUCTION CASTINGS PATTERN NO. 1007D, HEAVY DUTY MANHOLE FRAME AND COVER.
- THE LOWER SURFACE OF THE COVER AND THE CORRESPONDING UPPER SURFACE OF THE FRAME SHALL BE MACHINE FINISHED TO PROVIDE A SMOOTH FLAT CONTACT OR PIT WITHOUT ANY TENDENCY FOR THE COVER OR GRATE TO ROCK OR RATTLE.

MANHOLE FRAME AND COVER
SCALE: N.T.S.

Bright People. Right Solutions.

400 Capital Boulevard, Suite 104
 Rocky Hill, CT 06067
 Phone: 860-563-7775
 www.kleinfelder.com



| DRAWING ISSUE | | |
|---------------|-------------------------|---------|
| REV | DESCRIPTION | DATE |
| IFC | ISSUED FOR CONSTRUCTION | 07/2023 |

| REVISIONS | | | | |
|-----------|-------------|-----|-----|------|
| REV | DESCRIPTION | DSN | CHK | DATE |
| | | | | |

ISSUED FOR CONSTRUCTION

SCALE VERIFICATION

THIS BAR IS 1 INCH IN LENGTH ON ORIGINAL DRAWING

IF IT'S NOT 1 INCH ON THIS SHEET ADJUST YOUR SCALES ACCORDINGLY

ORIGINAL DRAWING SIZE IS 22 x 34

SITE DETAILS

SANITARY SEWER IMPROVEMENTS
BOROUGH OF NAUGATUCK

BOROUGH OF NAUGATUCK
 229 CHURCH STREET
 NAUGATUCK, CT 06770

ISSUED FOR CONSTRUCTION

| | |
|---------------------------|--------------|
| PROJECT NO. 20211186.004A | DT-01 |
| ISSUE DATE NOVEMBER 2023 | |
| CURRENT REVISION IFC | |
| DESIGNED BY M.PATTON | |
| DRAWN BY K.McCLENDON | |
| CHECKED BY N. KULKAUSKAS | |
| APPROVED BY H. KOMINSKE | |



| DRAWING ISSUE | | |
|---------------|-------------------------|---------|
| REV | DESCRIPTION | DATE |
| IFC | ISSUED FOR CONSTRUCTION | 07/2023 |

| REVISIONS | | | | |
|-----------|-------------|-----|-----|------|
| REV | DESCRIPTION | DSN | CHK | DATE |
| | | DWN | APP | |
| | | | | |
| | | | | |

ISSUED FOR CONSTRUCTION

SCALE VERIFICATION
THIS BAR IS 1 INCH IN LENGTH ON ORIGINAL DRAWING

IF IT'S NOT 1 INCH ON THIS SHEET ADJUST YOUR SCALES ACCORDINGLY

ORIGINAL DRAWING SIZE IS 22 x 34

SITE DETAILS

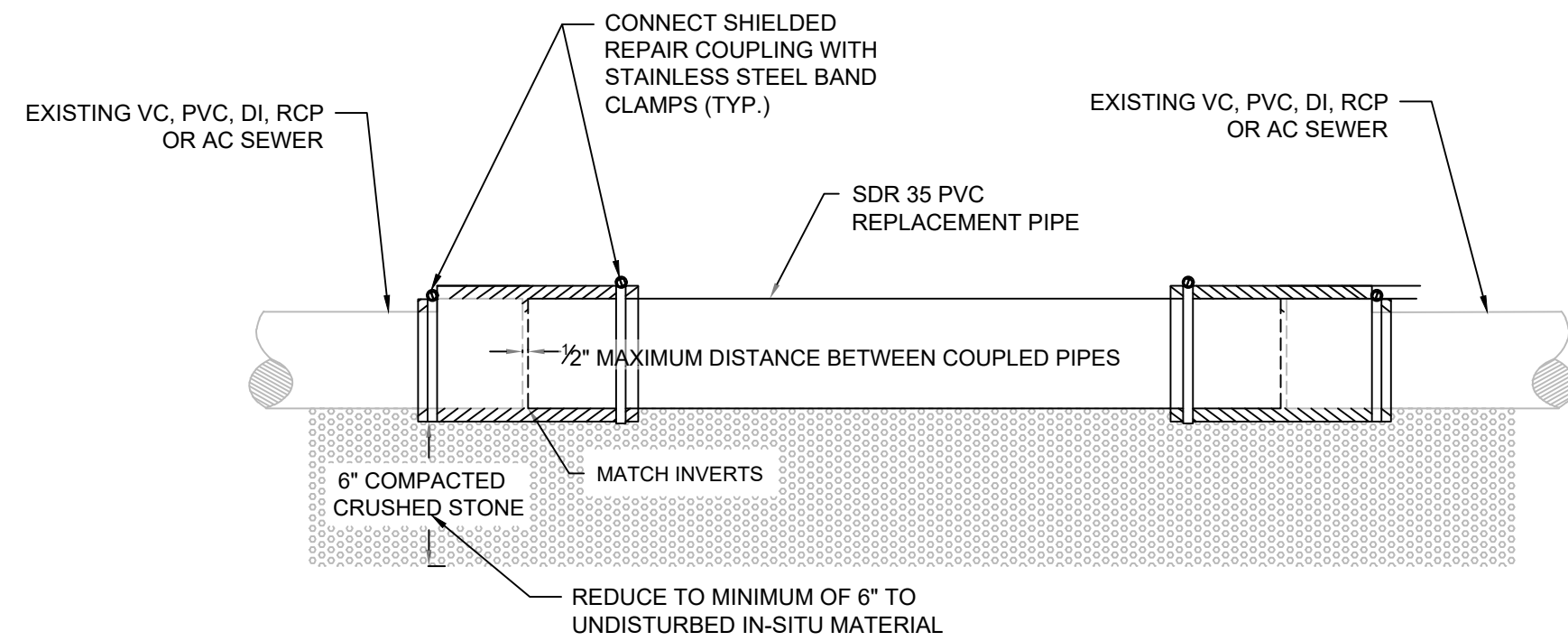
SANITARY SEWER IMPROVEMENTS
BOROUGH OF NAUGATUCK



BOROUGH OF NAUGATUCK
229 CHURCH STREET
NAUGATUCK, CT 06770

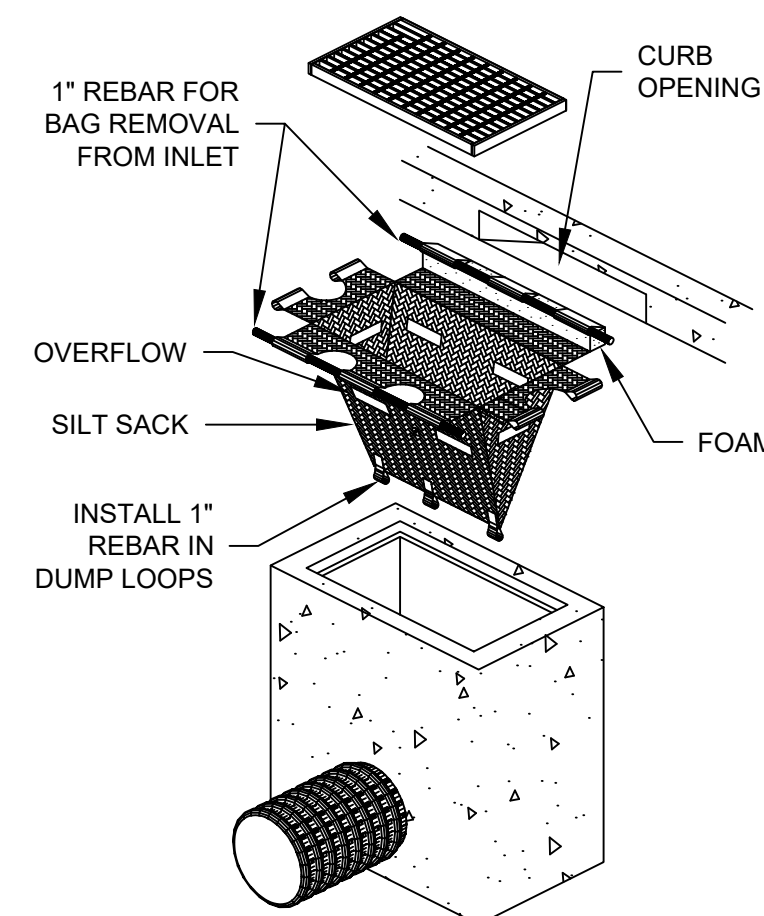
| ISSUED FOR CONSTRUCTION | |
|-------------------------|----------------|
| PROJECT NO. | 20211186.004A |
| ISSUE DATE | NOVEMBER 2023 |
| CURRENT REVISION | IFC |
| DESIGNED BY | M.PATTON |
| DRAWN BY | K.McCLENDON |
| CHECKED BY | N. KULIKAUSKAS |
| APPROVED BY | H. KOMINSKE |

DT-02



NOTE:
1. COUPLINGS SHALL BE SHIELDED REPAIR COUPLINGS: FERNCO 1000 RC SERIES OR FLEX SEAL ARC COUPLINGS MR 02, 06 OR 51 TO ADAPT TO EXISTING PIPE OR EQUAL.

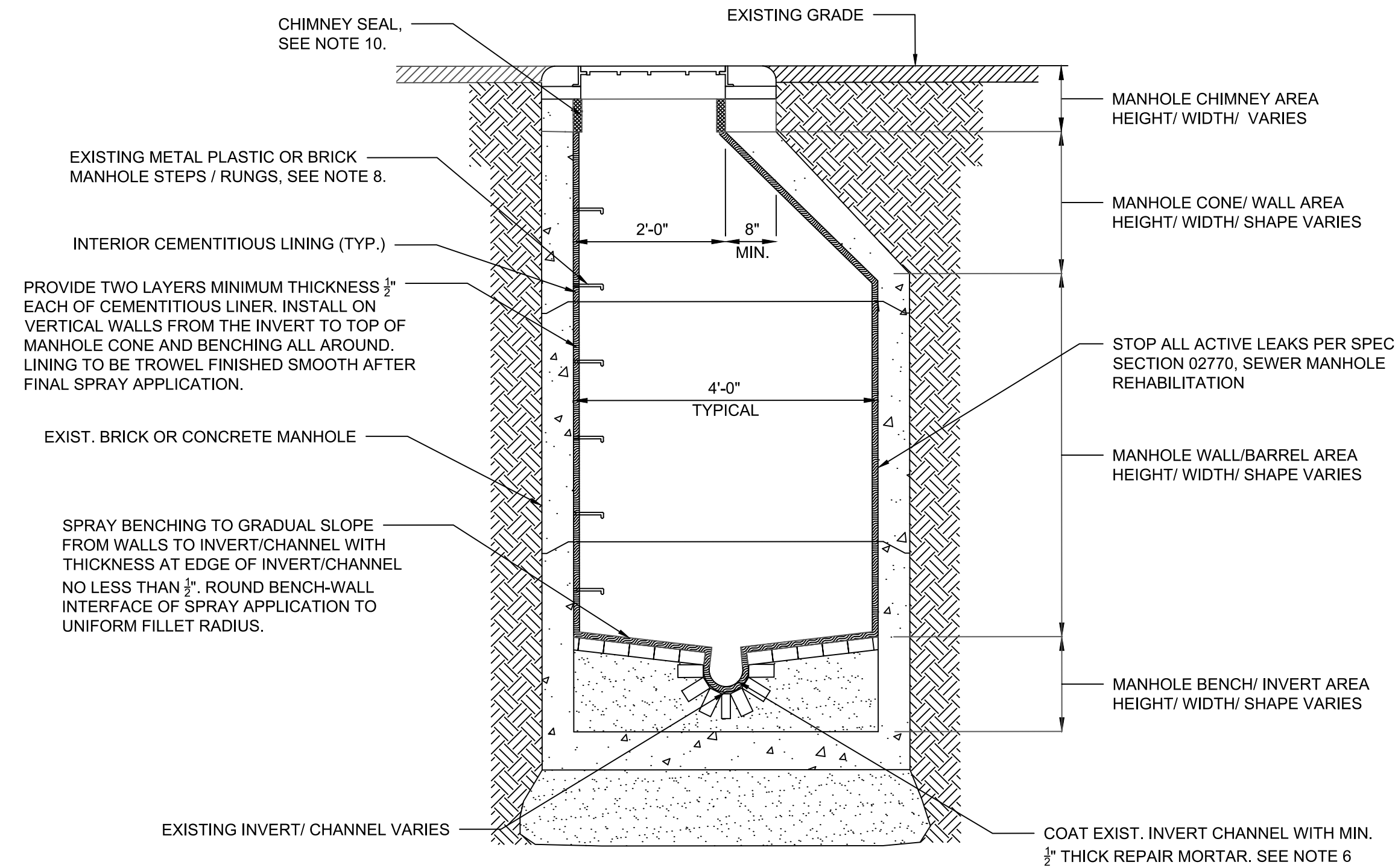
SPOT REPAIR CONNECTION
SCALE: N.T.S.



NOTES:

- CONTRACTOR SHALL REMOVE SEDIMENT AS NECESSARY OR AS DIRECTED BY THE ENGINEER TO MAINTAIN LEVEL BELOW OVERFLOW HOLES IN SILT SACK.
- CONTRACTOR SHALL CLEAN OR REPLACE SILT SACK AFTER EVERY STORM EVENT.
- SILT SACK SHALL BE USED ON EXISTING CATCH BASINS AS DIRECTED BY THE ENGINEER.
- CONTRACTOR IS RESPONSIBLE FOR MAINTAINING SEDIMENTATION BARRIERS THROUGHOUT THE DURATION OF THE PROJECT.
- CONTRACTOR SHALL REMOVE AND LEGALLY DISPOSE OF SEDIMENT AS REQUIRED.
- CONTRACTOR SHALL REMOVE SILT SACKS AND STRAW WATTLES AND LEGALLY DISPOSE OF THEM OFF-SITE, UPON COMPLETION OF THE PROJECT AND AS REQUIRED.

SILT SACK DETAIL
SCALE: N.T.S.



NOTES:

- MANHOLES ARE APPROXIMATELY 4' IN DIAMETER AT BARREL SECTION UNLESS NOTED OTHERWISE. INSIDE DIAMETERS OF FRAMES TYPICALLY RANGE FROM 24" TO 26". CONTRACTOR SHALL FIELD MEASURE FOR ACTUAL DIMENSIONS AND VERIFY MANHOLE MATERIALS.
- MANHOLE DIMENSIONS WILL VARY FROM MANHOLE TO MANHOLE. CONTRACTOR IS RESPONSIBLE FOR DETERMINING ACTUAL SHAPES.
- CONTRACTOR SHALL PROPERLY PREPARE SURFACE PRIOR TO LINING IN STRICT ACCORDANCE WITH THE LINING MANUFACTURER'S RECOMMENDATIONS. THE CONTRACTOR IS RESPONSIBLE FOR STOPPING ALL ACTIVE LEAKS PRIOR TO THE INSTALLATION OF THE MANHOLE OR CHIMNEY LINING SYSTEM.
- SLOPE BENCHING TO INVERT CHANNEL. PROVIDE CHANNEL IN BENCHING FOR SEWER ENTERING MANHOLES ABOVE BENCHING.
- FOR THE UPSTREAM MANHOLES OF A SEWER LINE SEGMENTS WITH NO DEFINED INVERT CHANNELS, CREATE A DEFINED CHANNEL AS SHOWN ON TYPICAL MANHOLE REHABILITATION DETAIL.
- REPAIR MORTAR SHALL BE USED TO COAT INVERT CHANNELS. THERE SHALL BE A CONSTANT SLOPE BETWEEN INLET AND OUTLET SEWERS. FINISHED INVERT SURFACES SHALL BE SMOOTH AND FREE OF EDGES.
- CEMENTITIOUS LINER SHALL NOT BE INSTALLED UNTIL ALL MAIN SEWER, SERVICE LATERAL, AND OTHER MANHOLE REHABILITATION WORK IS COMPLETED. UNLESS APPROVED BY THE ENGINEER.
- REMOVE AND RETRIEVE ALL EXISTING MANHOLE STEPS/RUNGS PRIOR TO LINING - DO NOT REPLACE. PATCH VOIDS WITH REPAIR MORTAR AS RECOMMENDED BY CEMENTITIOUS LINING MANUFACTURER.
- CONTRACTOR SHALL PROVIDE BYPASS PUMPING AS REQUIRED WHILE REHABILITATING MANHOLES.
- PERFORM INTERNAL CHIMNEY LINING AS SPECIFIED IN SECTION 02770 MANHOLE REHABILITATION ON DESIGNATED MANHOLES AS SHOWN ON THE DRAWINGS AFTER MANHOLE LINING WORK IS COMPLETED.

TYPICAL MANHOLE REHABILITATION
SCALE: N.T.S.