

# TOWN OF BROOKFIELD, CONNECTICUT

# DEAN AND POCONO ROADS LOW-PRESSURE SANITARY SEWER EXTENSION

CONTRACT NO. 2026-01

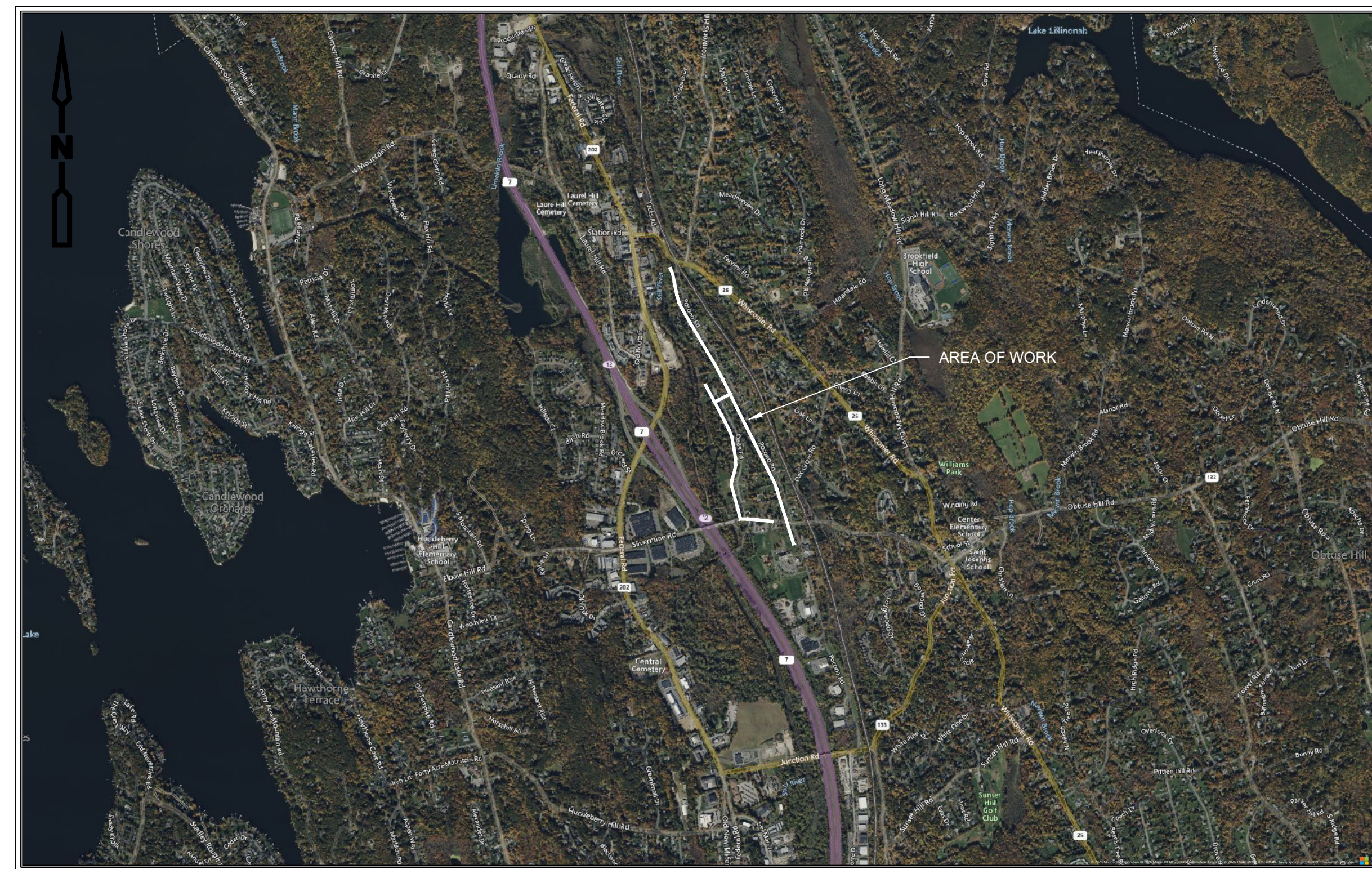
## SHEET INDEX

### BOARD OF SELECTMEN

STEPHEN C. DUNN, FIRST SELECTMAN  
ROBERT D. BELDEN, SELECTMAN  
KARL HINGER, SELECTMAN

### WATER POLLUTION CONTROL AUTHORITY

NELSON MALWITZ, CHAIR  
LOUISE TROJANOWSKI-MARCONI, VICE-CHAIR  
JAMES MURRAY, TREASURER  
LORETTA DONOVAN  
MATTHEW WOLK  
RYAN BERGERON, ALTERNATE



LOCATION PLAN

1" = 2,000'  
1,000 0 2,000



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G-1	KEY PLAN
G-2	GENERAL NOTES, LEGEND AND ABBREVIATIONS
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C-2	POCONO ROAD PLAN AND PROFILE - II
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**APRIL 2026**

# CDM Smith

EAST HARTFORD, CONNECTICUT

*Water*

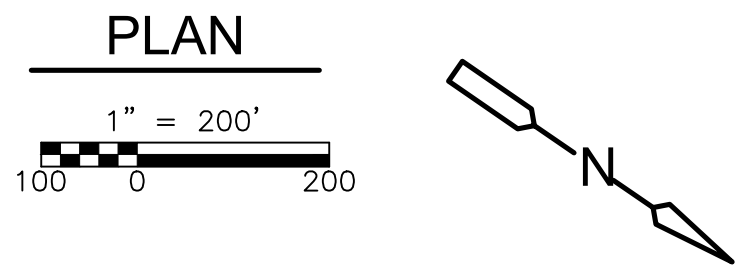
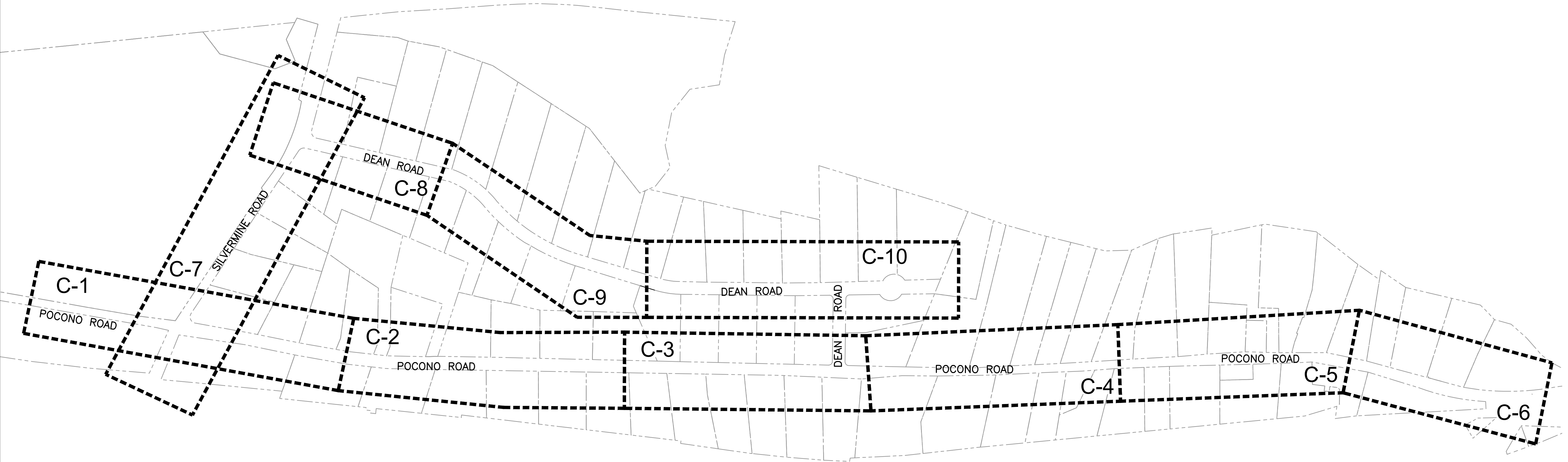
*Environment*

*Transportation*

*Energy*

*Facilities*

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 p:\cdmsmith\h205-pw\benley.com\pw\_01126186526906\104\_Design\_Services\101\_General\10 BIM\_CADD\DEAN-POCONO\PLS\G001KYPL.dwg  
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REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: C. HENRY  
 DRAWN BY: S. SIDANALE  
 SHEET CHK'D BY: K. WAGNER  
 CROSS CHK'D BY: D. MURPHY  
 APPROVED BY: K. WAGNER  
 DATE: APRIL 2026



BROOKFIELD, CONNECTICUT  
**DEAN AND POCONO ROADS**  
**LOW-PRESSURE SANITARY SEWER EXTENSION**

KEY PLAN



PROJECT NO. 261865-269061  
 FILE NAME: G001KYPL.DWG  
 SHEET NO.  
**G-1**

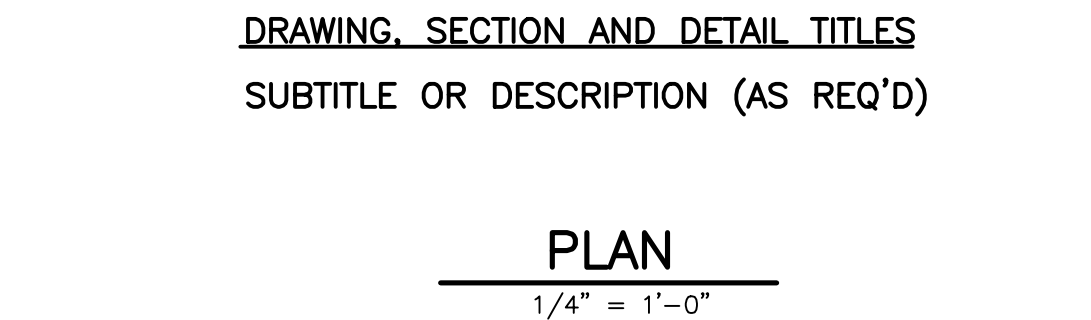
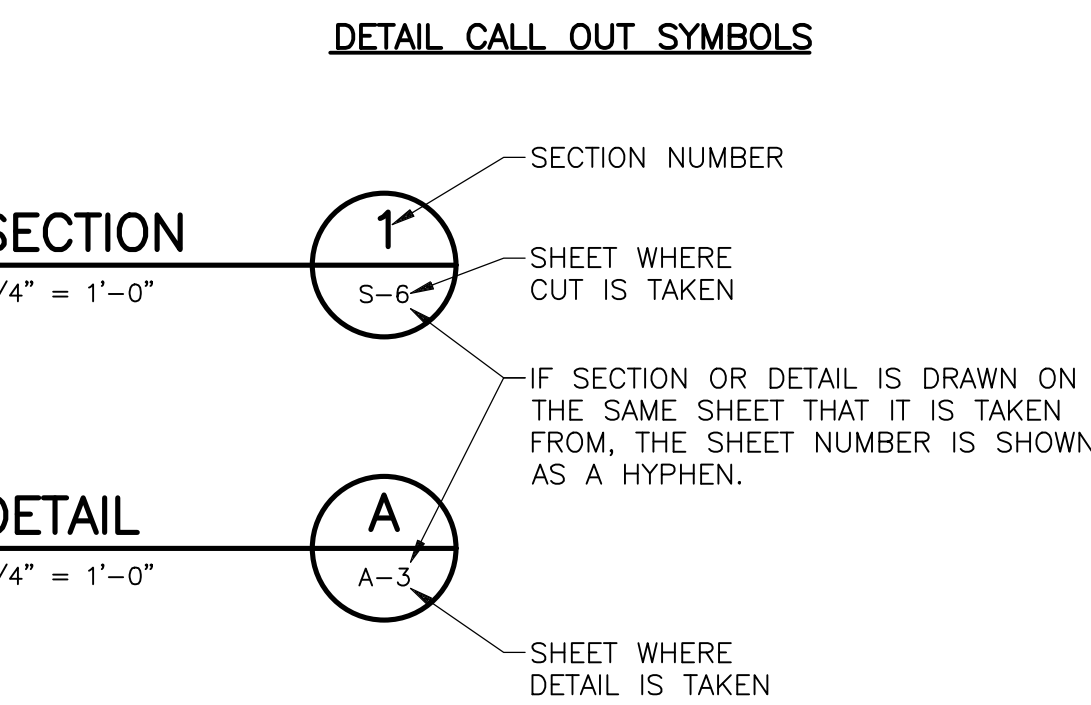
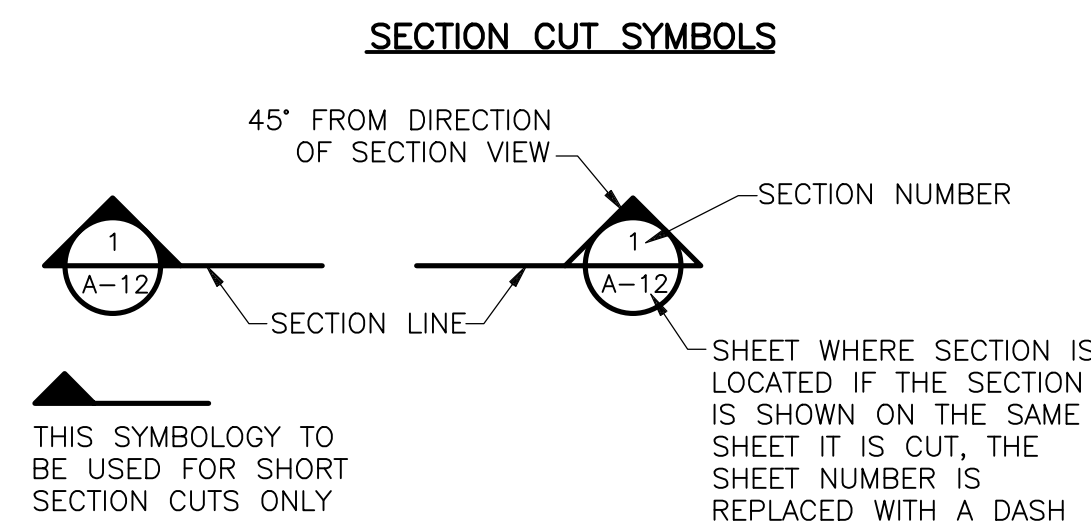
GENERAL NOTES

- 1. TOPOGRAPHIC SURVEY BASE MAPPING PERFORMED BY PEREIRA ENGINEERING, LLC. BETWEEN SEPTEMBER AND DECEMBER 2024.
2. THIS SURVEY CONFORMS TO HORIZONTAL ACCURACY CLASS A-2, VERTICAL ACCURACY CLASS V-3, AND TOPOGRAPHIC ACCURACY CLASS T-2.
3. THE ELEVATIONS DEPICTED HEREON WERE ESTABLISHED USING GNSS SURVEY METHODS IN SEPTEMBER 2024 AND ARE BASED UPON THE NORTH AMERICAN VERTICAL DATUM OF 1988.
4. NORTH AS DEPICTED HEREON WAS ESTABLISHED USING GNSS SURVEY METHODS IN SEPTEMBER 2024 AND IS BASED UPON THE NORTH AMERICAN DATUM OF 1983 (2011).
5. PORTIONS OF THE PROJECT AREA ARE WITHIN FLOOD ZONES X AND AE AS DEPICTED ON FEMA'S FLOOD INSURANCE RATE MAPS (FIRM) ENTITLED: FAIRFIELD COUNTY, CONNECTICUT (ALL JURISDICTIONS); PANELS 134 AND 132 OF 626; MAP NUMBERS 09001C0132F AND 09001C0134F; EFFECTIVE DATES: JUNE 18, 2010.
6. ANY FEMA FLOODPLAIN AND/OR FLOODWAY INFORMATION DEPICTED HEREON IS APPROXIMATE ONLY AND DOES NOT IN ANY WAY CONSTITUTE AN OPINION OR REPRESENTATION OF ACTUAL FLOODPLAIN AND/OR FLOODWAY INFORMATION BY PEREIRA ENGINEERING, LLC (PE). PE DOES NOT WARRANT THE ACCURACY OF THIS INFORMATION, AND MAKES NO REPRESENTATIONS UPON WHICH THE CLIENT SHOULD RELY IN CONNECTION WITH THE FLOOD ZONE OF THE SUBJECT PARCEL OR ANY FEMA FLOODPLAIN AND/OR FLOODWAY INFORMATION DEPICTED HEREON.
7. UTILITY INFORMATION DEPICTED HEREON IS APPROXIMATE AND IS BASED ON VISIBLE EVIDENCE OF SURFACE AND OVERHEAD STRUCTURE LOCATIONS AND AS COMPILED FROM EXISTING RECORD MAPPING AVAILABLE DURING THE PREPARATION OF THE SURVEY. ALL CONTRACTORS SHOULD CONTACT "CALL BEFORE YOU DIG" AT 1-800-922-4455 FOR VERIFICATION OF UTILITY INFORMATION PRIOR TO START OF ANY WORK.
8. UNLESS OTHERWISE NOTED, THE BOUNDARY INFORMATION SHOWN HEREIN IS BASED ON TOWN OF BROOKFIELD GEOGRAPHIC INFORMATION SYSTEMS INFORMATION.
9. THE LOCATION OF ALL UTILITIES AND SUBSURFACE STRUCTURES WERE TAKEN FROM SURVEY AND RECORDS OF TOWN, CORPORATIONS, AND UTILITIES, ETC., AND ARE CONSIDERED APPROXIMATE, BOTH AS TO SIZE AND LOCATIONS AND ARE INDICATED ON THESE DRAWINGS TO GIVE BIDDERS A GENERAL IDEA OF EXISTING CONDITIONS. IT IS UNDERSTOOD AND AGREED THAT THE CONTRACTOR SHALL NOT RELY UPON THESE DRAWINGS FOR SUCH INFORMATION, BUT SHALL MAKE EXAMINATIONS IN THE FIELD BY VARIOUS AVAILABLE METHODS AND SHALL OBTAIN INFORMATION FROM UTILITY CORPORATIONS AND INDIVIDUALS AS TO THE LOCATION OF ALL SUBSURFACE STRUCTURES, BOTH PUBLIC AND PRIVATE. IT IS NOT WARRANTED THAT ALL PIPES AND UNDERGROUND STRUCTURES ARE SHOWN NOR THAT THEY ARE SHOWN IN THE CORRECT LOCATIONS.
10. EXISTING UTILITY SERVICES TO HOUSES ARE NOT SHOWN. CONTRACTOR SHALL BE RESPONSIBLE FOR INVESTIGATING, LOCATING AND PROVIDING MARKS-OUTS FOR ALL UNDERGROUND UTILITIES, BOTH PUBLIC AND PRIVATE. WORK TO BE PAID FOR UNDER MISCELLANEOUS WORK AND CLEANUP BID ITEM.
11. WATER MAPPING OBTAINED FROM AQUARIUM WATER COMPANY AND TOWN OF BROOKFIELD RECORDS. CONTRACTOR TO FIELD VERIFY.
12. WATER SERVICES AND MAINS ASSUMED TO BE AT 4.5-FT BELOW GROUND SURFACE.
13. CONTRACTOR TO PROTECT ALL WATER MAINS AND OTHER EXISTING UTILITIES ACCORDING TO SPECIFICATION 312000.
14. CONTRACTOR SHALL PROTECT AGAINST SILTATION OF WETLANDS AS SPECIFIED IN SECTION 312500, EROSION AND SEDIMENTATION CONTROLS AND SHALL COMPLY WITH ALL LOCAL REQUIREMENTS FILTER BAGS SHALL BE PLACED IN ALL CATCH BASINS SUBJECT TO RUNOFF FROM CONSTRUCTION AREAS. CONTRACTOR SHALL NOT COMMENCE ANY WORK UNTIL RECEIVING APPROVAL OF THE CONTRACTOR'S WORK PLAN AND DEWATERING PLAN FROM THE TOWN CONSERVATION COMMISSION.
15. BORINGS AND GEO PROBES WERE DRILLED BY GEOLOGIC-EARTH EXPLORATION IN 2022 AND 2024.
16. BORING LOGS ARE APPENDED TO THE SPECIFICATIONS. BORINGS ARE SHOWN IN PROFILE FOR INFORMATIONAL PURPOSES ONLY AND MAY NOT BE SHOWN AT EXACT LOCATIONS ALONG THE PIPE ALIGNMENT. GROUNDWATER ELEVATIONS SHOWN ON THE LOGS AND PROFILES ARE THOSE ENCOUNTERED AT THE TIME OF DRILLING AND MAY NOT BE REPRESENTATIVE OF ELEVATIONS ENCOUNTERED DURING CONSTRUCTION DUE TO SEASONAL FLUCTUATIONS AND OTHER FACTORS.
17. CONTRACTOR SHALL MINIMIZE CLEARING AND GRUBBING AS MUCH AS POSSIBLE. ALL CROSS COUNTRY AREAS SHALL BE LOAMED AND SEEDED OR SODDED TO THE LIMITS DISTURBED BY CONSTRUCTION UNLESS OTHERWISE NOTED.
18. CONTRACTOR SHALL NOT DISTURB ANY LAND OUTSIDE THE LIMITS OF EASEMENTS AND RIGHTS-OF-WAY. NECESSARY EASEMENTS TO BE PROVIDED BY TOWN OF BROOKFIELD PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOT ENTER ANY OF THE EASEMENT AREAS UNTIL RECEIVING APPROVAL FROM THE TOWN. CONTRACTOR SHALL EXERCISE EXTREME CAUTION TO PREVENT DAMAGE TO ADJACENT PROPERTY. ALL AREAS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED BY THE CONTRACTOR TO PRE-CONSTRUCTION CONDITION AT NO ADDITIONAL COST TO THE OWNER.
19. NEW VALVE AND CLEANOUT MANHOLE LOCATIONS ARE APPROXIMATE AND MAY BE ALTERED TO MINIMIZE PIPE CUTTING WHEN DIRECTED BY THE ENGINEER.
20. NEW SEWER SERVICE CONNECTIONS SHALL BE INSTALLED SUCH THAT THEY ARE BENEATH THE EXISTING WATER MAIN AND WATER SERVICE CONNECTIONS. ALL NEW SEWER SERVICES SHALL BE INSTALLED WITH A MINIMUM OF 4-FT OF COVER AND MAXIMUM OF 6-FT OF COVER WHEREVER POSSIBLE. EXACT LOCATIONS OF FOR HOUSE CONNECTIONS TO BE DETERMINED IN THE FIELD. SERVICE CONNECTIONS SHALL BE INSTALLED TO THE STREET RIGHT-OF-WAY OR EDGE OF PERMANENT EASEMENT UNLESS OTHERWISE NOTED AND/OR DIRECTED BY THE ENGINEER. CONTRACTOR SHALL FURNISH AND INSTALL SERVICE CONNECTIONS TO BUILDABLE VACANT LOTS WHERE DIRECTED BY THE ENGINEER. ADDITIONAL QUANTITIES HAVE BEEN INCLUDED FOR THESE ITEMS IN THE BID FORM.
21. THE CONTRACTOR SHALL FOLLOW ALL FEDERAL, STATE AND LOCAL REQUIREMENTS FOR SAFETY WHEN IN CONFINED SPACES. THE CONTRACTOR IS ALSO REFERRED TO RECOMMENDATIONS IN THE NATIONAL INSTITUTE FOR OCCUPATIONAL SAFETY AND HEALTH PUBLICATION NO. 80-106, "WORKING IN CONFINED SPACES".
22. CONTRACTOR TO MAINTAIN FLOW IN EXISTING DRAINS AT ALL TIMES.
23. THE CONTRACTOR SHALL HAVE ON SITE A SUPPLY OF RED SEWER BRICK, 1-FT AND 2-FT MANHOLE RISER SECTIONS AND FLAT SLAB TOPS TO ADJUST THE MANHOLE FINISHED GRADES AS REQUIRED TO FIT THE ACTUAL ELEVATION OF THE GROUND OR ROAD SURFACE AT THE TIME OF CONSTRUCTION. CONTRACTOR SHALL CONFIRM ROAD PROFILE ELEVATIONS PRIOR TO ORDERING MANHOLE SECTIONS.
24. CONTRACTOR SHALL FOLLOW TOWN REGULATIONS FOR ALL "TOWN" TREES TO BE CUT/TRIMMED AND OR REMOVED WITHIN THE LIMITS OF THE TOWN RIGHT-OF-WAY. TREES AND SHRUBS REQUIRING CUTTING MAY OR MAY NOT BE IDENTIFIED ON DRAWINGS; ALL TREE AND SHRUB TRIMMING AND REMOVAL SHALL BE REVIEWED IN THE FIELD WITH THE ENGINEER PRIOR TO CUTTING.
25. TEST PITS SHALL BE EXCAVATED AS SHOWN ON THE PLANS AND/OR AS DIRECTED BY THE ENGINEER. CONTRACTOR SHALL OBTAIN THE LOCATION OF THE UTILITY IN QUESTION WITH TIES TO SURROUNDING FEATURES AND THE ELEVATION OF BOTH THE TOP AND BOTTOM OF THE UTILITY/STRUCTURE.
26. CONTRACTOR SHALL CONFORM TO THE REQUIREMENTS FOR MAINTAINING TRAFFIC AS DETAILED ON THE CONTRACT SPECIFICATIONS, AND AS REQUIRED BY CTDOT AND THE TOWN.
27. THE CONTRACTOR IS REQUIRED TO FOLLOW THE PIPE TESTING PROCEDURES STATED IN THE SPECIFICATIONS. PIPE TESTING WILL BE STRICTLY ENFORCED.

ABBREVIATIONS

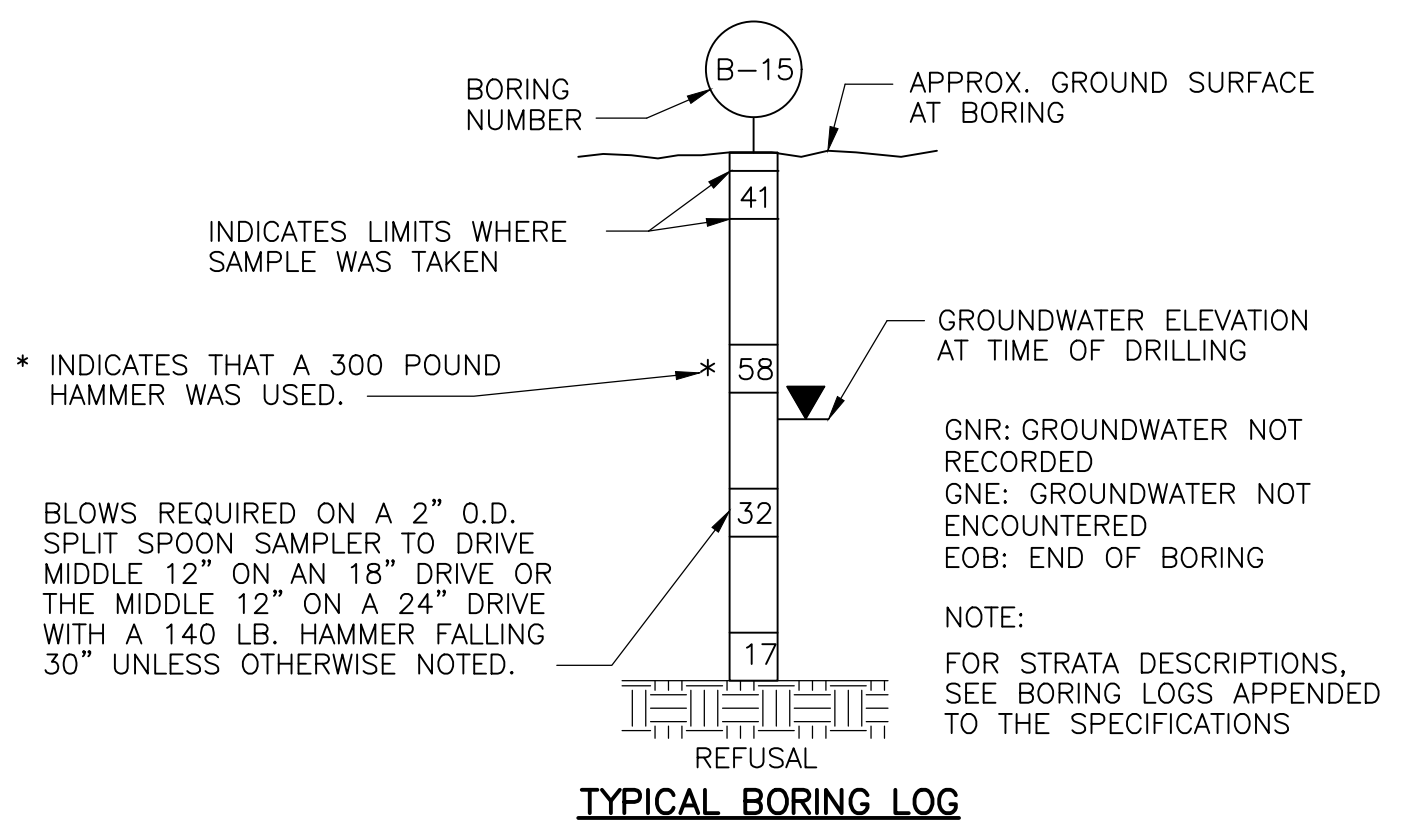
Table with 3 columns: Abbreviation, Description, Abbreviation, Description. Includes terms like ABDN (ABANDON), ADDL (ADDITIONAL), ADJ (ADJUSTABLE), ADPT (ADAPTER), AFG (ABOVE FINISHED GRADE), AL (ALUMINUM), APPROX (APPROXIMATE), AR (ACID RESISTANT), ARND (AROUND), ASPH (ASPHALT), ASTM (AMERICAN SOCIETY FOR TESTING MATERIALS), AUTO (AUTOMATIC), AUX (AUXILIARY), AVG (AVERAGE), BM (BENCHMARK), BOT (BOTTOM), BTWN (BETWEEN), CAP (CAPACITY), CLR (CLEAR), CO (CLEAN OUT), COMB (COMBINATION), CONC (CONCRETE), CONST (CONSTRUCTION), CTR (CENTER), CU FT (CUBIC FOOT), DIA (DIAMETER), DICL (DUCTILE IRON CEMENT LINED), DIEL (DUCTILE IRON EPOXY LINED), DIV (DIVISION), DN (DOWN), DO (DITTO), DWG (DRAWING), EA (EACH), ECC (ECCENTRIC), EF (EACH FACE), ELEC (ELECTRIC), EMERG (EMERGENCY), ENGR (ENGINEER), EOP (EDGE OF PAVEMENT), EQUIV (EQUIVALENT), ETC (ETCETERA), EW (EACH WAY), EXTD (EXTENDED), FAC (FACILITY), FIG (FIGURE), FLG (FLANGE), FLG (FLOORING), FM (FORCE MAIN), FT (FEET/FOOT), FTG (FOOTING/FITTING), GALVS (GALVANIZED STEEL), GPD (GALLONS PER DAY), GPM (GALLONS PER MINUTE), GRAV (GRAVITY), GSKT (GASKET), HB (HOSE BIBB), HDPE (HIGH-DENSITY POLYETHYLENE PIPE), HGT (HEIGHT), HS (HIGH SERVICE), HS (HIGH STRENGTH), HWA (HIGH WATER ALARM), HWL (HIGH WATER LEVEL), HZ (HERTZ), ID (INSIDE DIAMETER), IE (INVERT ELEVATION), IN (INCH), INVT (INVERT), JCT (JUNCTION), LB (POUND), LF (LINEAL FEET), LG (LENGTH), LPS (LOW-PRESSURE SEWER), LR (LONG RADIUS), LWA (LOW WATER ALARM), LWL (LOW WATER LEVEL), MAX (MAXIMUM), MEAS (MEASURE), MFD (MANUFACTURED), MFG (MANUFACTURING), MGD (MILLION GALLONS PER DAY), MH (MANHOLE), MISC (MISCELLANEOUS), MON (MONUMENT), MPH (MILES PER HOUR), MTD (MOUNTED), N (NORTH), NC (NORMALLY CLOSED), NEC (NATIONAL ELECTRIC CODE), NOS (NATIONAL OCEANOGRAPHIC SURVEY), NTS (NOT TO SCALE), O/E (OR EQUAL), OD (OUTSIDE DIAMETER), OH (OVERHEAD (DOOR)), OPP (OPPOSITE), OPT (OPTIONAL), PC (POINT OF CURVE), PERF (PERFORATED), PI (POINT OF INTERSECTION), PLT (PLANT), PRESS (PRESSURE), PRIM (PRIMARY), PS (PUMP STATION), PT (POINT), PV (PLUG VALVE), QTY (QUANTITY), R/W (RIGHT-OF-WAY), RAD (RADIUS), RCP (REINFORCED CONCRETE PIPE), RED (REDUCER), REF (REFERENCE/REFER), RPM (REVOLUTIONS PER MINUTE), S (SOUTH), SS (SANITARY SEWER), SL (SIGNAL LINE), SLV (SLEEVE), SPR (SPRING), SQ (SQUARE), SST (STAINLESS STEEL), STA (STATION), STRUC (STRUCTURE), SWK (SIDEWALK), SYM (SYMMETRICAL), T&B (TOP AND BOTTOM), TAN (TANGENCY), TECH (TECHNICAL), TEL (TELEPHONE), TEMP (TEMPERATURE), TM (TELEMETER OR TIME), TOS (TOP OF STEEL), TV (TELEVISION), UGTC (UNDERGROUND TELEPHONE CABLE), UNO (UNLESS NOTED OTHERWISE), VAR (VARIOUS/VARIABLE), VBR (VACUUM BREAKER), VOL (VOLUME), WH (WATER HEATER), WL (WATER LEVEL), WM (WATER MAIN), WS (WATER SURFACE OR WATERSTOP), WT (WEIGHT), WTHPRF (WEATHERPROOF), WWTPL (WASTEWATER TREATMENT PLANT), XFER (TRANSFER), YD (YARD), YR (YEAR).

SYMBOLS



LEGEND

- EXISTING FIELD TOPOGRAPHIC SURVEY CONTOUR (dashed line with 156)
PROPOSED CONTOUR (solid line with 156)
PROPOSED ELEVATION (rectangle with 129x1)
EXISTING FIELD TOPOGRAPHIC SURVEY ELEVATION (rectangle with 129x1)
EXISTING TOWN OF BROOKFIELD ELEVATION (rectangle with 129x1)
EXISTING TREETLINE (wavy line)
PROPOSED TREETLINE (wavy line)
PROPOSED SILT FENCE OR COMPOSITE FILTER SOCK (dashed line with 229)
LIMIT OF WETLANDS (dashed line with 229)
EXISTING/PROPOSED SIGN (rectangle with 5842)
PROPOSED LIGHT POLE (rectangle with 5842)
EXISTING UTILITY POLE (rectangle with 5842)
PROPERTY LINE (dashed line)
EXISTING CHAIN LINK FENCE (rectangle with X)
EXISTING BARBED/BOX WIRE FENCE (rectangle with X)
EXISTING STOCKADE FENCE (rectangle with X)
PROPOSED FENCE (rectangle with X)
EXISTING IRON PIN (circle with dot)
PROPOSED IRON PIN (circle with dot)
EXISTING MONUMENT (square)
PROPOSED MONUMENT (square)
EXISTING EDGE OF CURB (dashed line)
EXISTING OVERHEAD TRAFFIC LIGHTS (rectangle with T)
EXISTING/PROPOSED CATCH BASIN (rectangle with T)
EXISTING/PROPOSED TELEPHONE MANHOLE (circle with T)
EXISTING/PROPOSED STORM MANHOLE (circle with T)
EXISTING/PROPOSED MANHOLE (circle with T)
EXISTING/PROPOSED ELECTRIC MANHOLE (circle with E)
EXISTING WELL (circle with W)
PROPOSED LOW PRESSURE SANITARY SEWER MAIN (line with LPS)
EXISTING STORM DRAINAGE MAIN (line with 15" RCP)
EXISTING WATER MAIN AND WATER LATERAL (line with 4" CI WATER MAIN)
PROPOSED YARD HYDRANT (circle with H)
PROPOSED SANITARY SEWER LATERAL (line with S)
EXISTING UTILITIES (line with UT)
EXISTING OVERHEAD WIRES (line with OHW)
PROPOSED ELECTRICAL CONDUIT (line with E)
PROPOSED UTILITIES (line with UT)
EXISTING STONEWALL (line with S)
EXISTING MONITOR WELL (circle with M)
EXISTING SEPTIC SYSTEM (rectangle with S)
EXISTING BUILDING (rectangle with B)
NORTH ARROW (arrow with N)
MATCHLINE (dashed line)
DIRECT PUSH GEOPROBE LOCATION (circle with G-1)
BORING LOCATION (circle with B-1)
CHECK VALVE (rectangle with V)
PLUG VALVE (rectangle with P)
RESTRAINED DISMANTLING JOINT (rectangle with R)
RESTRAINED COUPLING (rectangle with C)



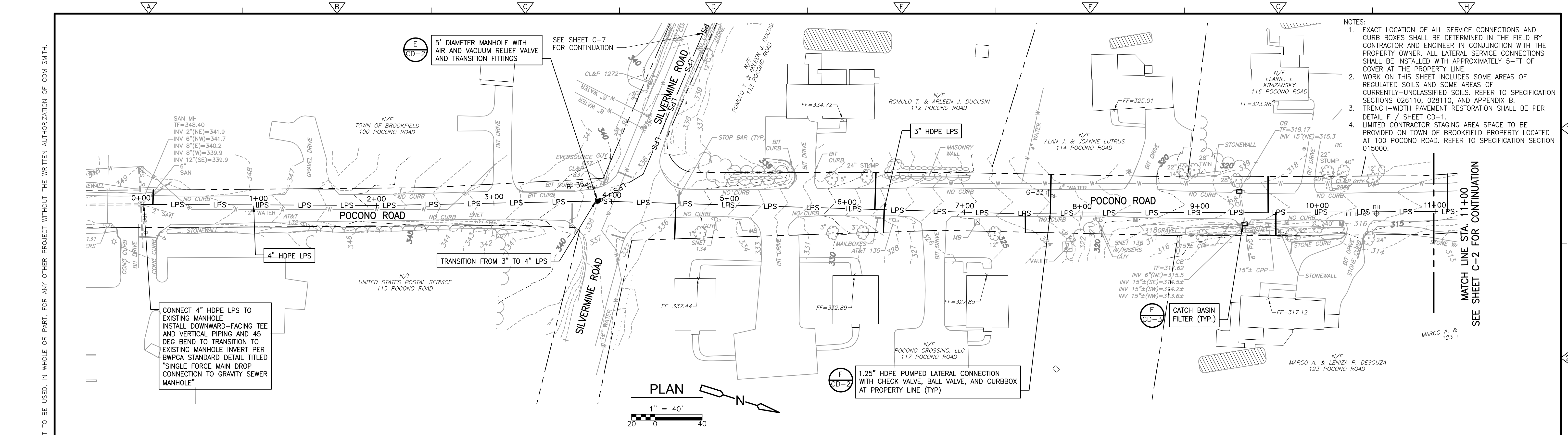
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Table with 5 columns: REV. NO., DATE, DRWN, CHKD, REMARKS. Includes design and approval information.

DESIGNED BY: C. HENRY
DRAWN BY: S. SIDANALE
SHEET CHK'D BY: K. WAGNER
CROSS CHK'D BY: D. MURPHY
APPROVED BY: K. WAGNER
DATE: APRIL 2026
CDM Smith logo and address: 101 East River Drive, Suite 1A, East Hartford, CT 06108, Tel: (860) 523-7515

BROOKFIELD, CONNECTICUT
DEAN AND POCONO ROADS
LOW-PRESSURE SANITARY SEWER EXTENSION

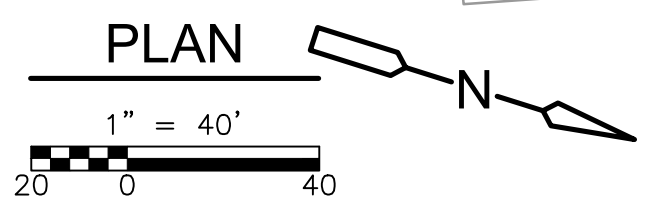
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PROJECT NO. 261865-269061
FILE NAME: G002NFPL.DWG
SHEET NO. G-2
Professional Engineer Seal for C. Henry, No. 24384, State of Connecticut.



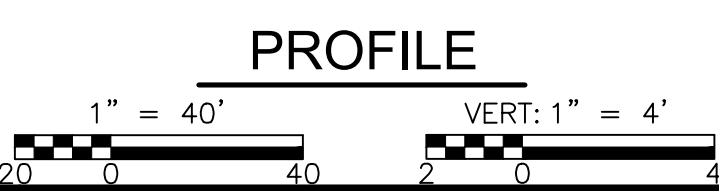
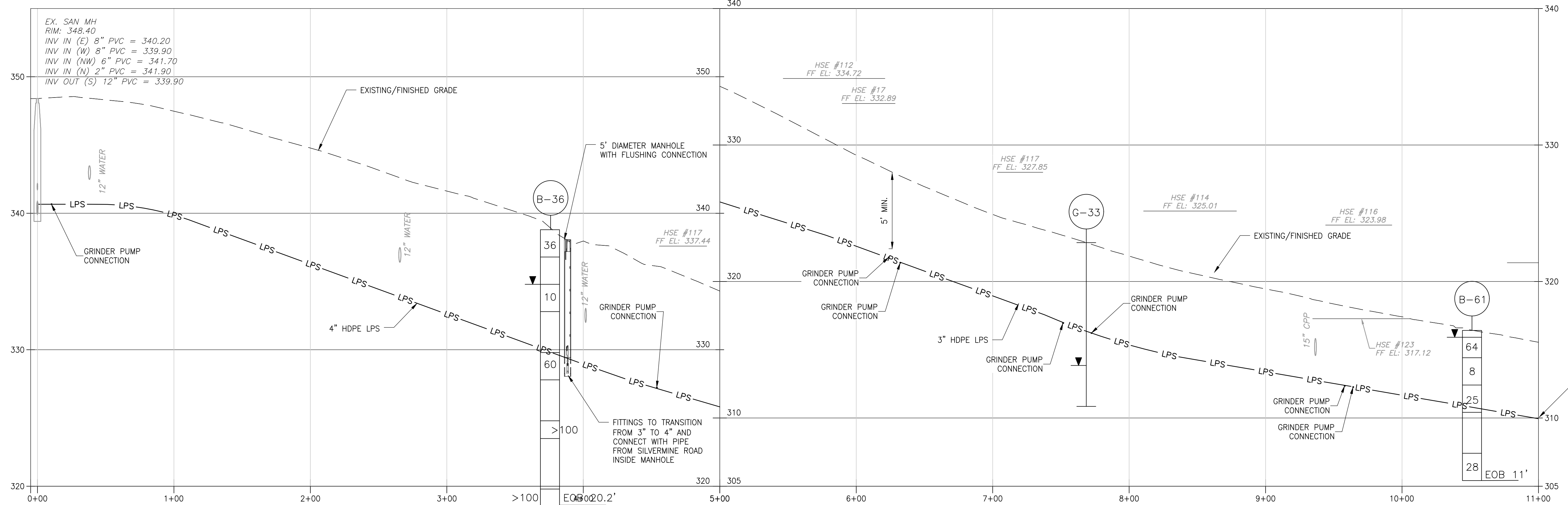
- NOTES:
1. EXACT LOCATION OF ALL SERVICE CONNECTIONS AND CURB BOXES SHALL BE DETERMINED IN THE FIELD BY CONTRACTOR AND ENGINEER IN CONJUNCTION WITH THE PROPERTY OWNER. ALL LATERAL SERVICE CONNECTIONS SHALL BE INSTALLED WITH APPROXIMATELY 5'-FT OF COVER AT THE PROPERTY LINE.
  2. WORK ON THIS SHEET INCLUDES SOME AREAS OF CURRENTLY-UNCLASSIFIED SOILS. REFER TO SPECIFICATION SECTIONS 026110, 028110, AND APPENDIX B.
  3. TRENCH-WIDTH PAVEMENT RESTORATION SHALL BE PER DETAIL F / SHEET CD-1.
  4. LIMITED CONTRACTOR STAGING AREA SPACE TO BE PROVIDED ON TOWN OF BROOKFIELD PROPERTY LOCATED AT 100 POCONO ROAD. REFER TO SPECIFICATION SECTION 015000.

CONNECT 4" HDPE LPS TO EXISTING MANHOLE. INSTALL DOWNWARD-FACING TEE AND VERTICAL PIPING AND 45 DEG BEND TO TRANSITION TO EXISTING MANHOLE. INVERT PER BWPCA STANDARD DETAIL TITLED "SINGLE FORCE MAIN DROP CONNECTION TO GRAVITY SEWER MANHOLE"

1.25" HDPE PUMPED LATERAL CONNECTION WITH CHECK VALVE, BALL VALVE, AND CURBBOX AT PROPERTY LINE (TYP)



MATCH LINE STA. 11+00  
SEE SHEET C-2 FOR CONTINUATION



XREFS: [CDMS\_2234\_CEP001SS\_CEP002SS\_CWZ002PP] Images: []  
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 DRAWN BY: S. SIDANALE  
 SHEET CHK'D BY: K. WAGNER  
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 DATE: APRIL 2026



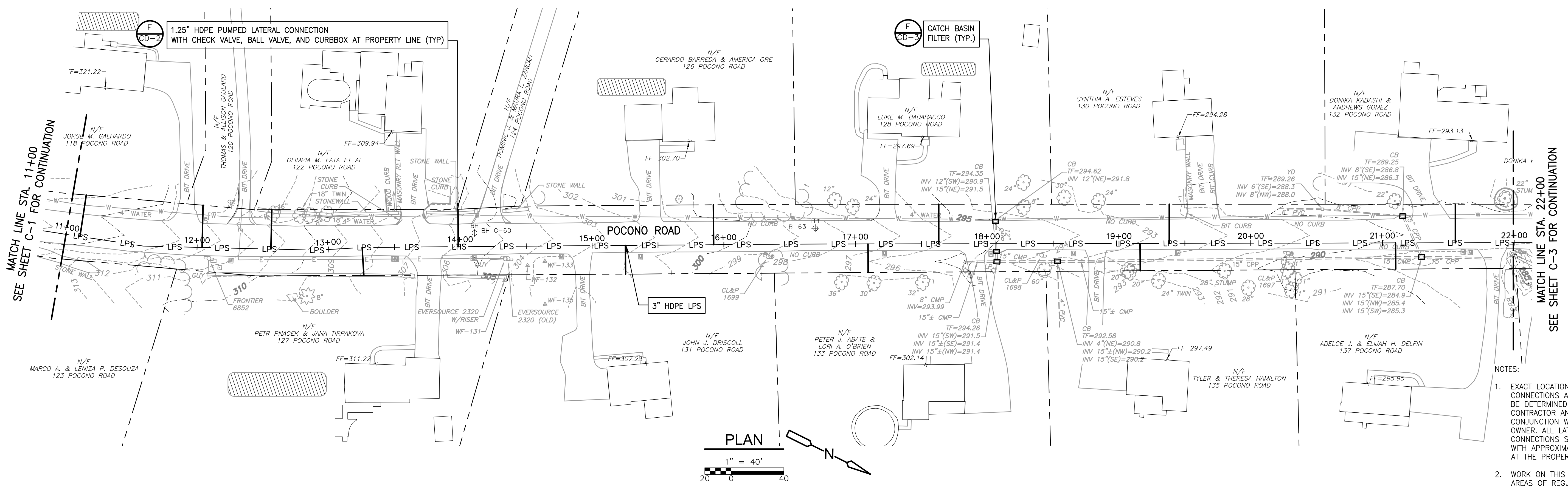
BROOKFIELD, CONNECTICUT  
 DEAN AND POCONO ROADS  
 LOW-PRESSURE SANITARY SEWER EXTENSION

PROJECT NO. 261865-269061  
 FILE NAME: CPLPR001.DWG  
 SHEET NO. C-1

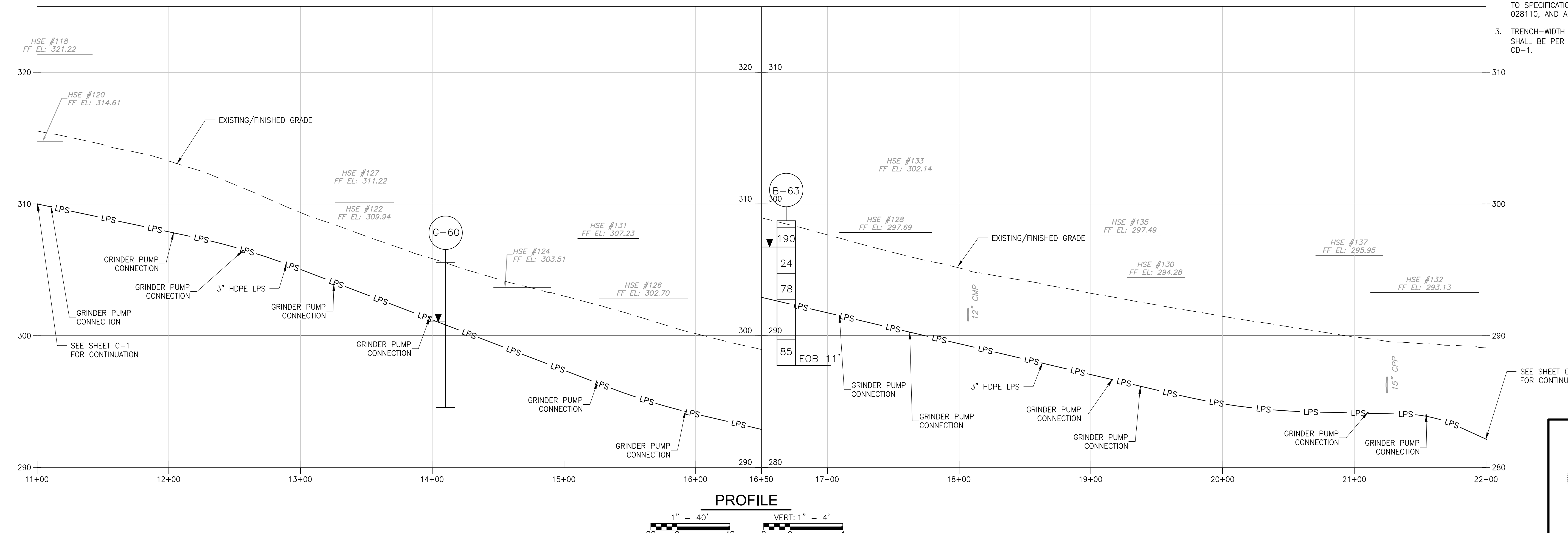
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MATCH LINE STA. 11+00  
SEE SHEET C-1 FOR CONTINUATION

MATCH LINE STA. 22+00  
SEE SHEET C-3 FOR CONTINUATION



- NOTES:
- EXACT LOCATION OF ALL SERVICE CONNECTIONS AND CURB BOXES SHALL BE DETERMINED IN THE FIELD BY CONTRACTOR AND ENGINEER IN CONJUNCTION WITH THE PROPERTY OWNER. ALL LATERAL SERVICE CONNECTIONS SHALL BE INSTALLED WITH APPROXIMATELY 5-FT OF COVER AT THE PROPERTY LINE.
  - WORK ON THIS SHEET INCLUDES SOME AREAS OF REGULATED SOILS. REFER TO SPECIFICATION SECTIONS 026110, 028110, AND APPENDIX B.
  - TRENCH-WIDTH PAVEMENT RESTORATION SHALL BE PER DETAIL F / SHEET CD-1.



REV. NO.	DATE	DRWN	CHKD	REMARKS

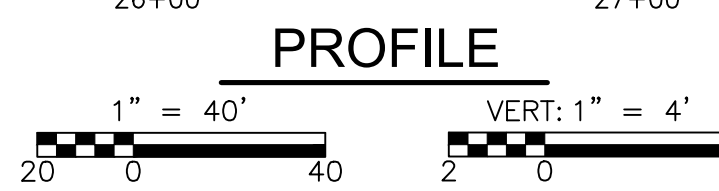
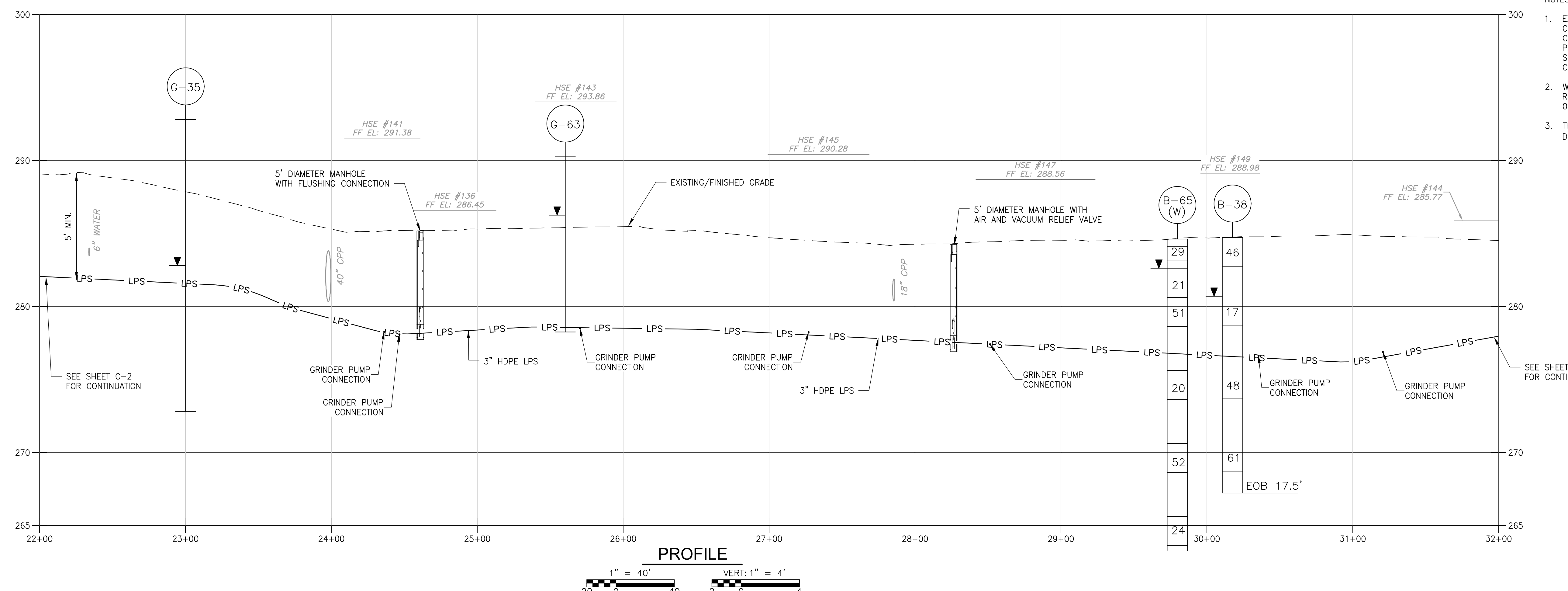
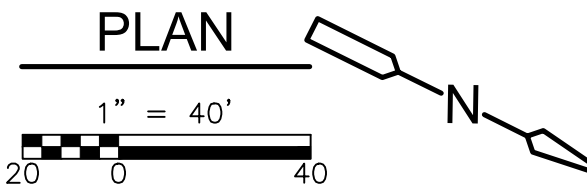
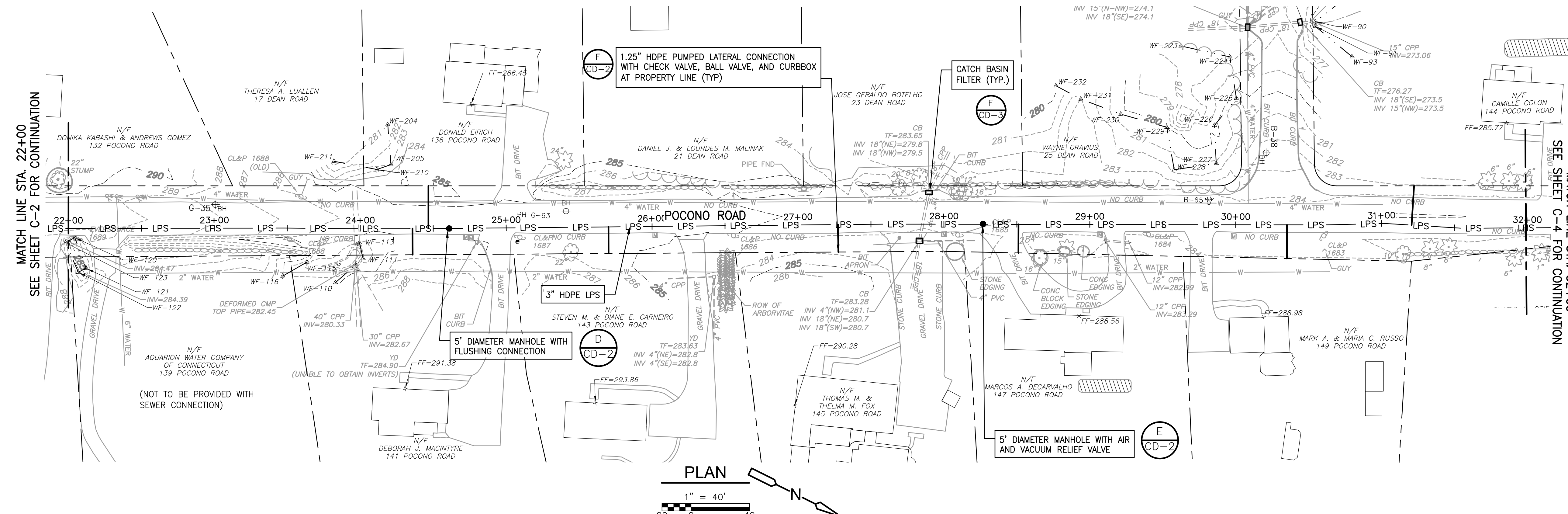
DESIGNED BY: C. HENRY  
 DRAWN BY: S. SIDANALE  
 SHEET CHK'D BY: K. WAGNER  
 CROSS CHK'D BY: D. MURPHY  
 APPROVED BY: K. WAGNER  
 DATE: APRIL 2026



BROOKFIELD, CONNECTICUT  
 DEAN AND POCONO ROADS  
 LOW-PRESSURE SANITARY SEWER EXTENSION

PROJECT NO. 261865-269061  
 FILE NAME: CPLPR002.DWG  
 SHEET NO. C-2

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- NOTES:
- EXACT LOCATION OF ALL SERVICE CONNECTIONS AND CURB BOXES SHALL BE DETERMINED IN THE FIELD BY CONTRACTOR AND ENGINEER IN CONJUNCTION WITH THE PROPERTY OWNER. ALL LATERAL SERVICE CONNECTIONS SHALL BE INSTALLED WITH APPROXIMATELY 5'-FT OF COVER AT THE PROPERTY LINE.
  - WORK ON THIS SHEET INCLUDES SOME AREAS OF REGULATED SOILS. REFER TO SPECIFICATION SECTIONS 026110, 028110, AND APPENDIX B.
  - TRENCH-WIDTH PAVEMENT RESTORATION SHALL BE PER DETAIL F/SHEET CD-1.

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: C. HENRY  
 DRAWN BY: S. SIDANALE  
 SHEET CHK'D BY: K. WAGNER  
 CROSS CHK'D BY: D. MURPHY  
 APPROVED BY: K. WAGNER  
 DATE: APRIL 2026

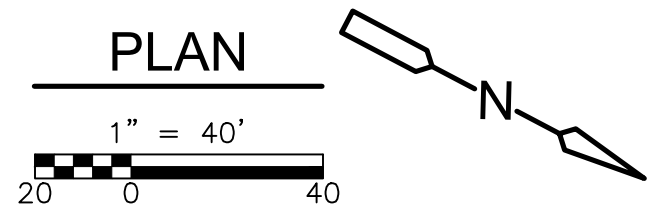
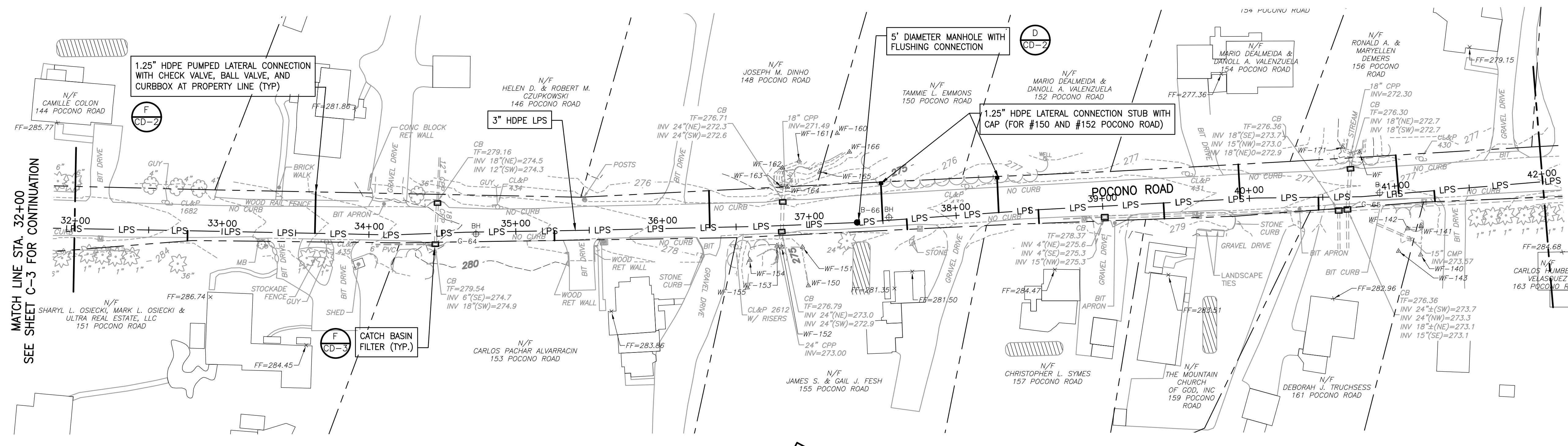
101 East River Drive, Suite 1A  
 East Hartford, CT 06108  
 Tel: (860) 529-7615

BROOKFIELD, CONNECTICUT  
**DEAN AND POCONO ROADS**  
**LOW-PRESSURE SANITARY SEWER EXTENSION**

**POCONO ROAD**  
**PLAN AND PROFILE - III**

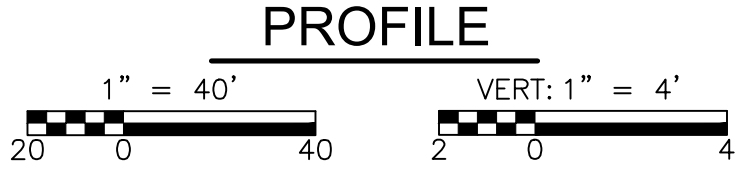
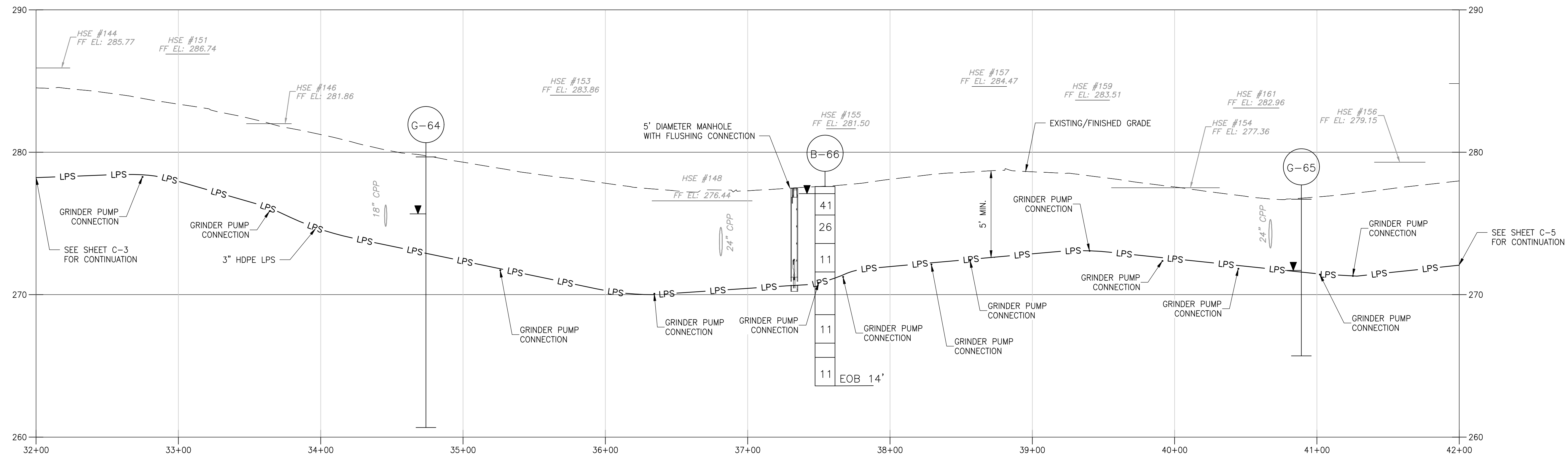
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**C-3**

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MATCH LINE STA. 42+00  
 SEE SHEET C-5 FOR CONTINUATION

- NOTES:
- EXACT LOCATION OF ALL SERVICE CONNECTIONS AND CURB BOXES SHALL BE DETERMINED IN THE FIELD BY CONTRACTOR AND ENGINEER IN CONJUNCTION WITH THE PROPERTY OWNER. ALL LATERAL SERVICE CONNECTIONS SHALL BE INSTALLED WITH APPROXIMATELY 5-FT OF COVER AT THE PROPERTY LINE.
  - WORK ON THIS SHEET INCLUDES SOME AREAS OF REGULATED SOILS. REFER TO SPECIFICATION SECTIONS 026110, 028110, AND APPENDIX B.
  - TRENCH-WIDTH PAVEMENT RESTORATION SHALL BE PER DETAIL F/SHEET CD-1.



SEE SHEET C-5  
 FOR CONTINUATION

REV. NO.	DATE	DRWN	CHKD	REMARKS

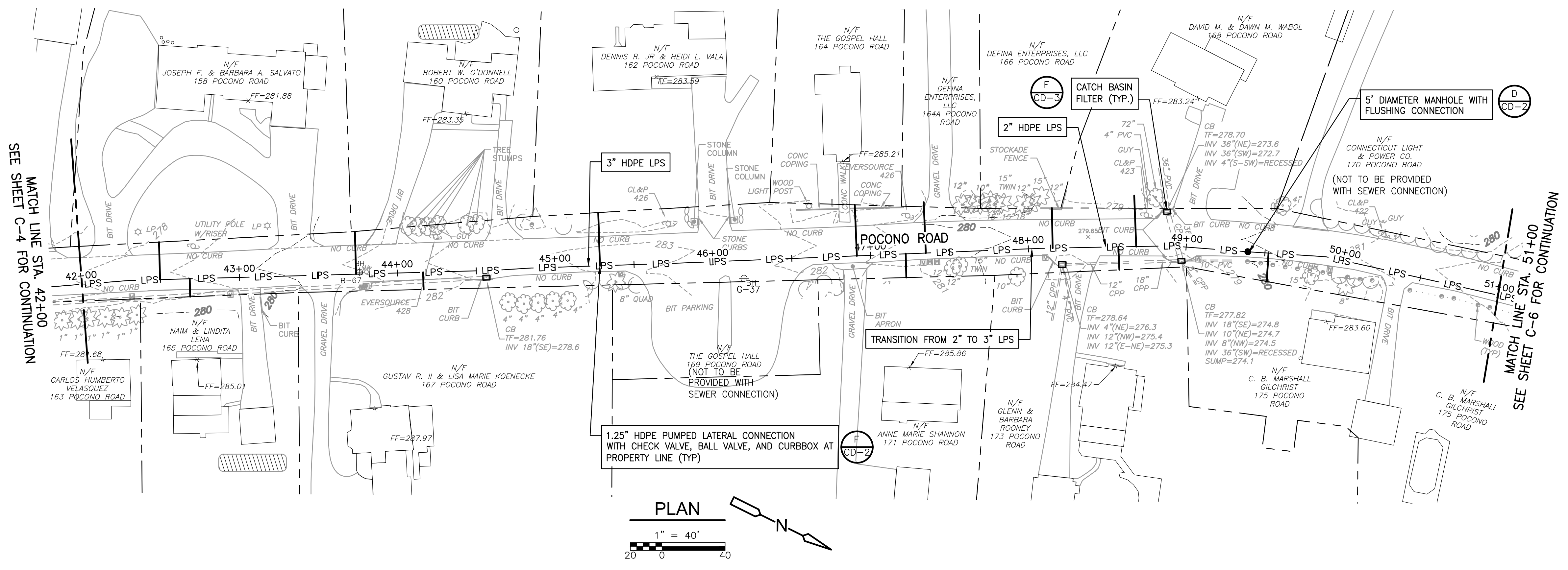
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 DRAWN BY: S. SIDANALE  
 SHEET CHK'D BY: K. WAGNER  
 CROSS CHK'D BY: D. MURPHY  
 APPROVED BY: K. WAGNER  
 DATE: APRIL 2026



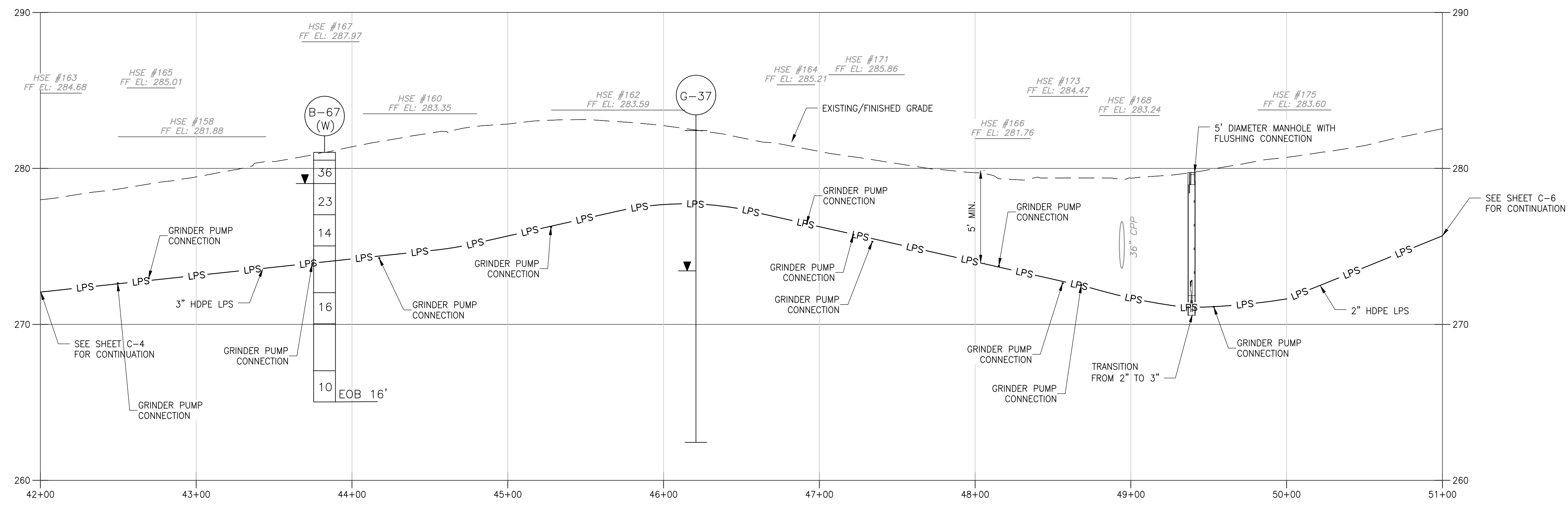
BROOKFIELD, CONNECTICUT  
 DEAN AND POCONO ROADS  
 LOW-PRESSURE SANITARY SEWER EXTENSION

PROJECT NO. 261865-269061  
 FILE NAME: CPLPR004.DWG  
 SHEET NO.  
**C-4**





- NOTES:
1. EXACT LOCATION OF ALL SERVICE CONNECTIONS AND CURB BOXES SHALL BE DETERMINED IN THE FIELD BY CONTRACTOR AND ENGINEER IN CONJUNCTION WITH THE PROPERTY OWNER. ALL LATERAL SERVICE CONNECTIONS SHALL BE INSTALLED WITH APPROXIMATELY 5-FT OF COVER AT THE PROPERTY LINE.
  2. WORK ON THIS SHEET INCLUDES SOME AREAS OF REGULATED SOILS. REFER TO SPECIFICATION SECTIONS 026110, 028110, AND APPENDIX B.
  3. TRENCH-WIDTH PAVEMENT RESTORATION SHALL BE PER DETAIL F/SHEET CD-1.



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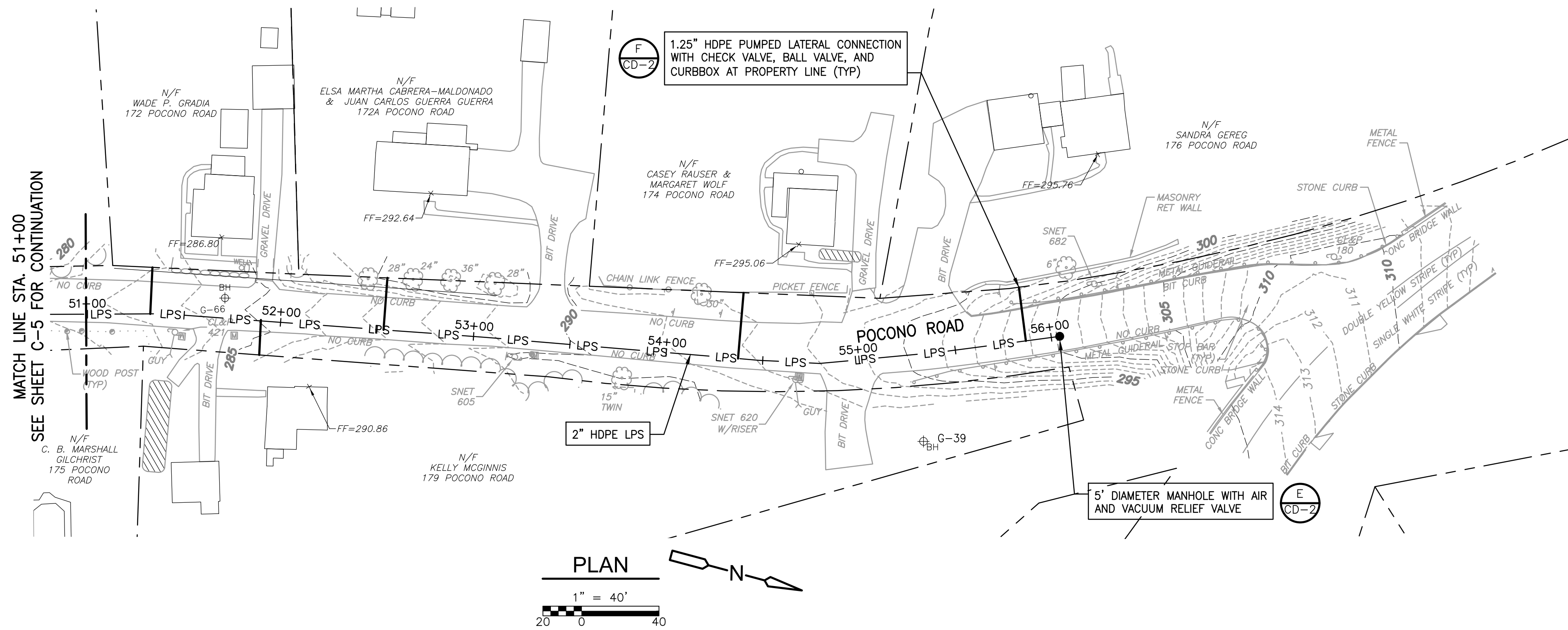
REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: C. HENRY  
 DRAWN BY: S. SIDANALE  
 SHEET CHK'D BY: K. WAGNER  
 CROSS CHK'D BY: D. MURPHY  
 APPROVED BY: K. WAGNER  
 DATE: APRIL 2026

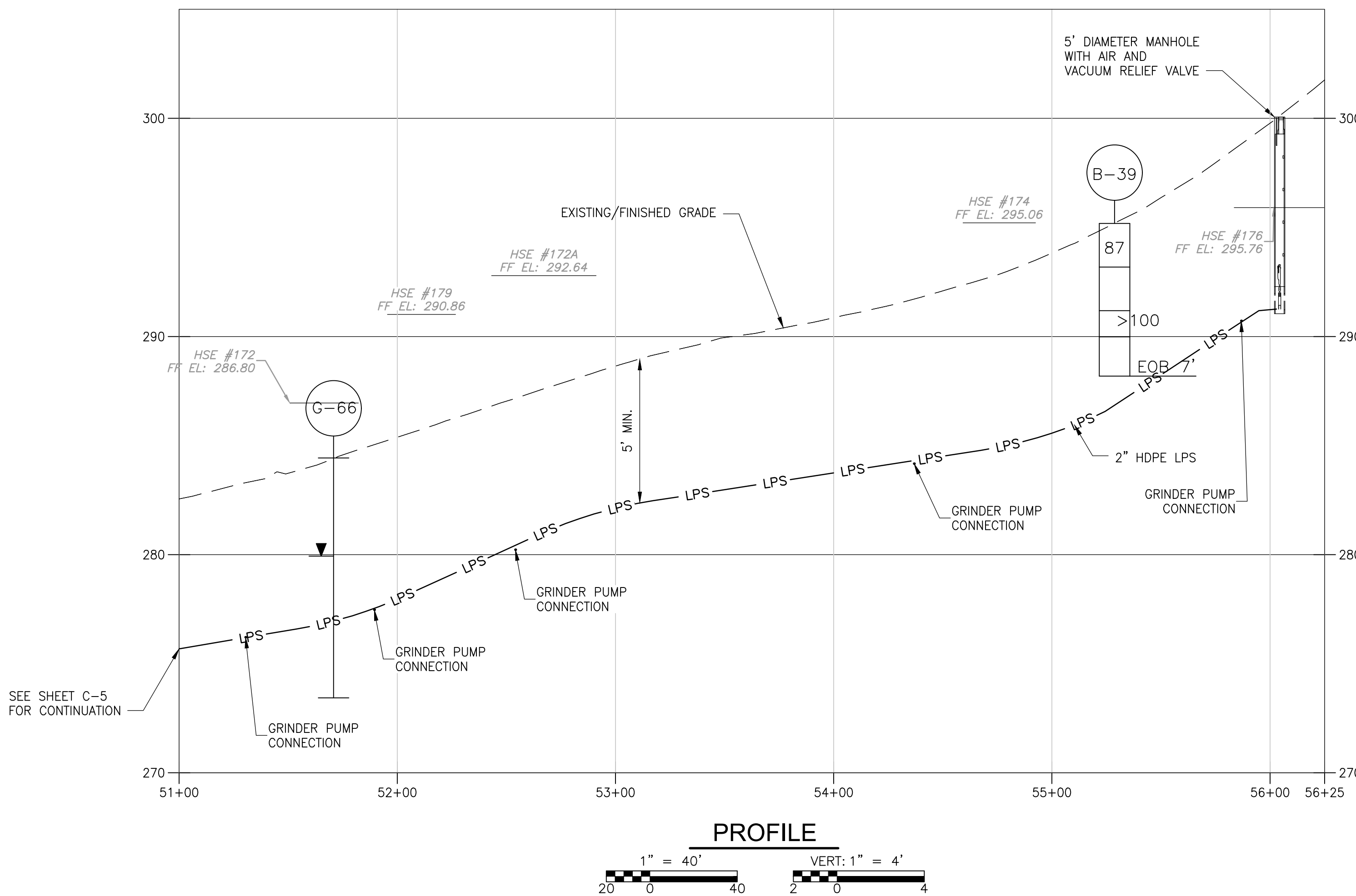


BROOKFIELD, CONNECTICUT  
 DEAN AND POCONO ROADS  
 LOW-PRESSURE SANITARY SEWER EXTENSION

PROJECT NO. 261865-269061  
 FILE NAME: CPLPR005.DWG  
 SHEET NO. C-5



- NOTES:
1. EXACT LOCATION OF ALL SERVICE CONNECTIONS AND CURB BOXES SHALL BE DETERMINED IN THE FIELD BY CONTRACTOR AND ENGINEER IN CONJUNCTION WITH THE PROPERTY OWNER. ALL LATERAL SERVICE CONNECTIONS SHALL BE INSTALLED WITH APPROXIMATELY 5-FT OF COVER AT THE PROPERTY LINE.
  2. WORK ON THIS SHEET INCLUDES SOME AREAS OF REGULATED SOILS. REFER TO SPECIFICATION SECTIONS 026110, 028110, AND APPENDIX B.
  3. TRENCH-WIDTH PAVEMENT RESTORATION SHALL BE PER DETAIL F/SHEET CD-1.



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REV. NO.	DATE	DRWN	CHKD	REMARKS

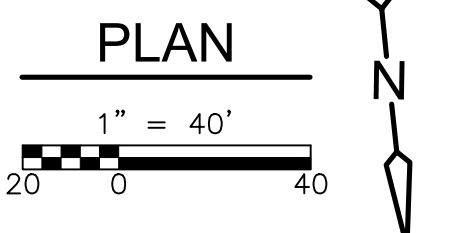
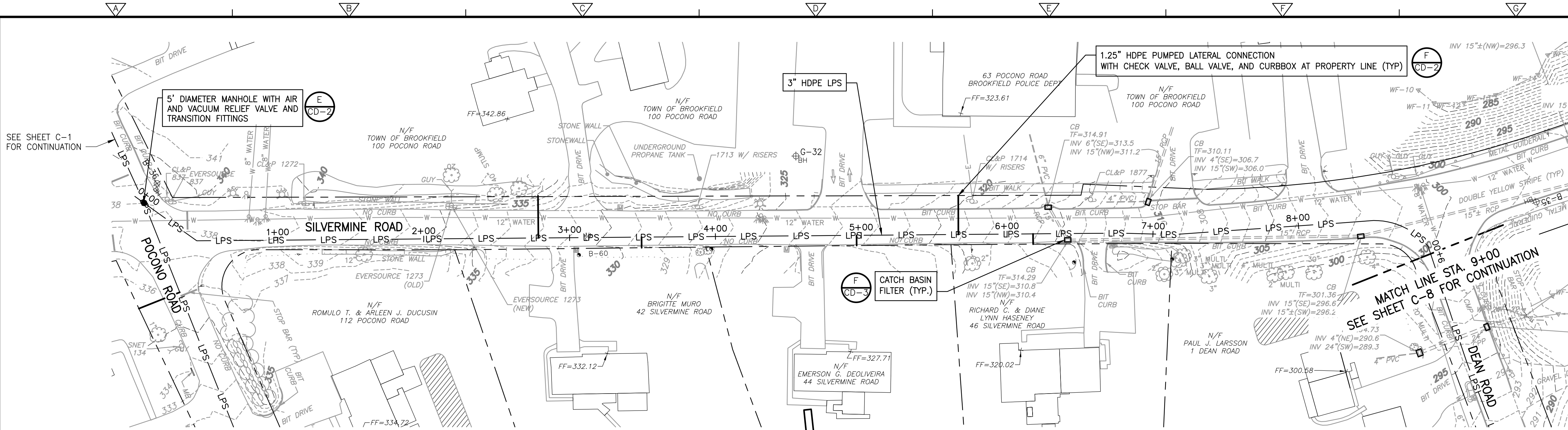
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 DRAWN BY: S. SIDANALE  
 SHEET CHK'D BY: K. WAGNER  
 CROSS CHK'D BY: D. MURPHY  
 APPROVED BY: K. WAGNER  
 DATE: APRIL 2026

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 Tel: (860) 529-7615

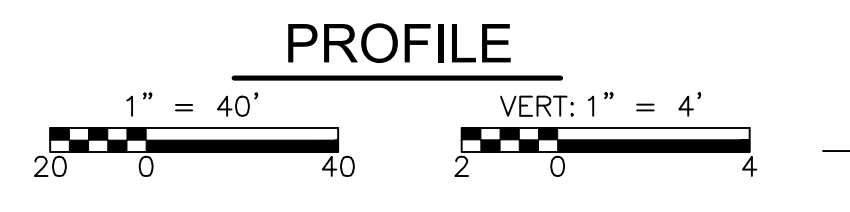
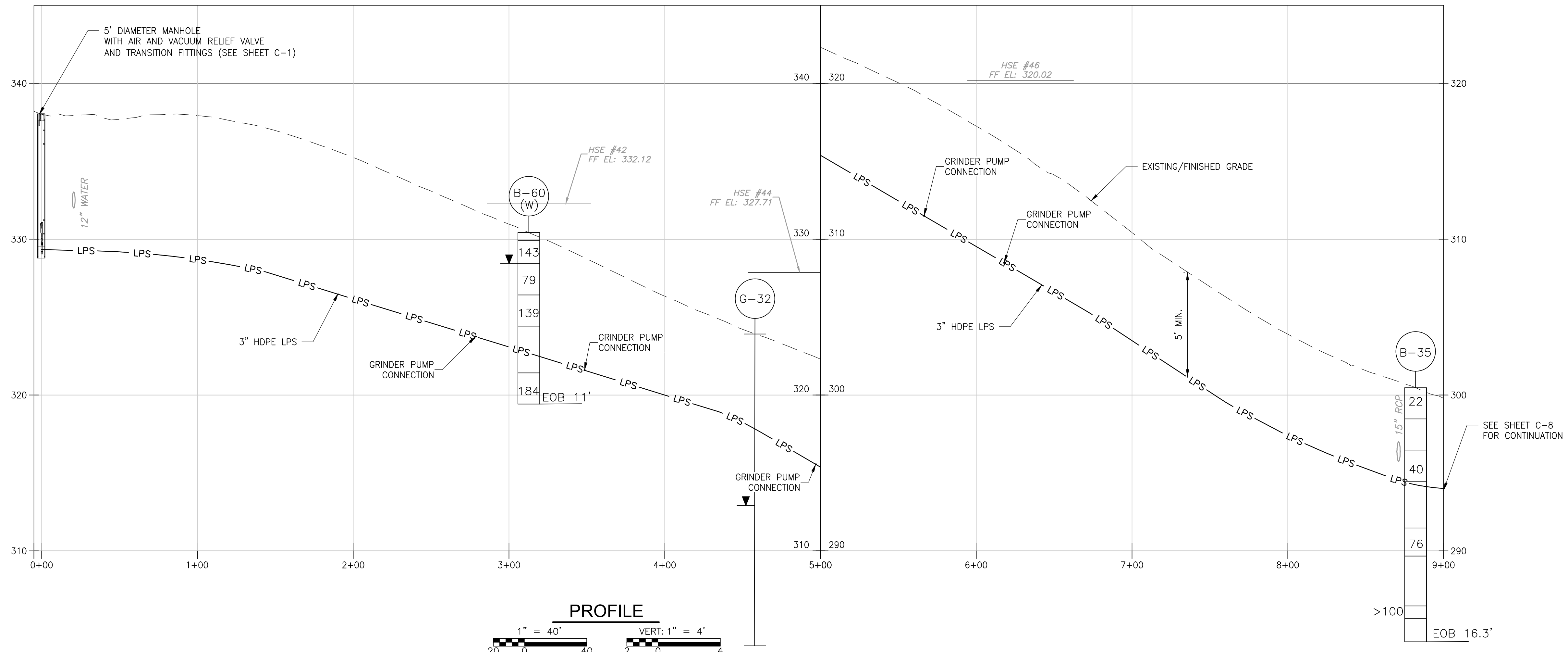
BROOKFIELD, CONNECTICUT  
**DEAN AND POCONO ROADS**  
**LOW-PRESSURE SANITARY SEWER EXTENSION**

PROJECT NO. 261865-269061  
 FILE NAME: CPLPR006.DWG  
 SHEET NO.  
**C-6**





- NOTES:
1. EXACT LOCATION OF ALL SERVICE CONNECTIONS AND CURB BOXES SHALL BE DETERMINED IN THE FIELD BY CONTRACTOR AND ENGINEER IN CONJUNCTION WITH THE PROPERTY OWNER. ALL LATERAL SERVICE CONNECTIONS SHALL BE INSTALLED WITH APPROXIMATELY 5-FT OF COVER AT THE PROPERTY LINE.
  2. WORK ON THIS SHEET INCLUDES SOME AREAS OF REGULATED SOILS AND SOME AREAS OF CURRENTLY-UNCLASSIFIED SOILS. REFER TO SPECIFICATION SECTIONS 026110, 028110, AND APPENDIX B.
  3. TRENCH-WIDTH PAVEMENT RESTORATION SHALL BE PER DETAIL F/SHEET CD-1.



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REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: C. HENRY  
 DRAWN BY: S. SIDANALE  
 SHEET CHK'D BY: K. WAGNER  
 CROSS CHK'D BY: D. MURPHY  
 APPROVED BY: K. WAGNER  
 DATE: APRIL 2026

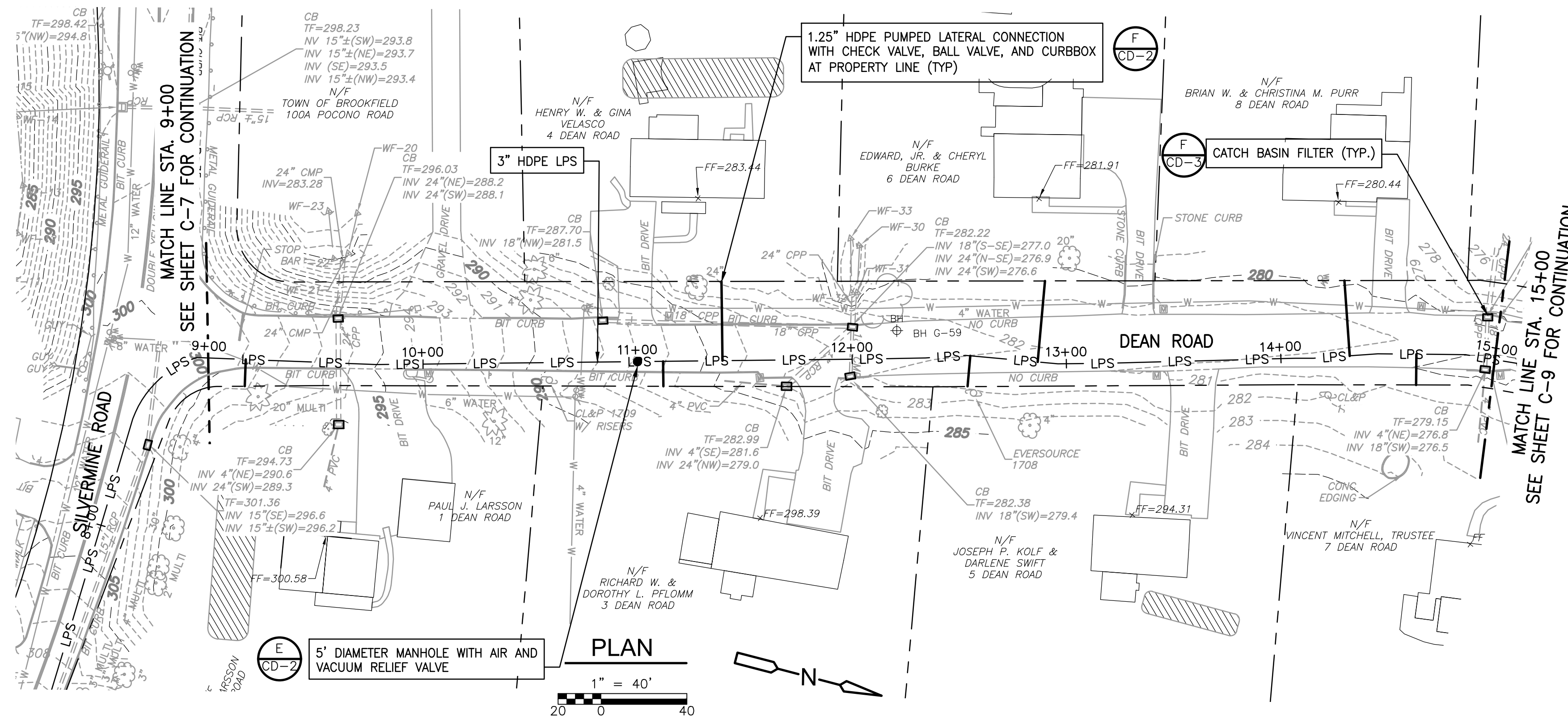
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 East Hartford, CT 06108  
 Tel: (860) 523-7615

BROOKFIELD, CONNECTICUT  
 DEAN AND POCONO ROADS  
 LOW-PRESSURE SANITARY SEWER EXTENSION

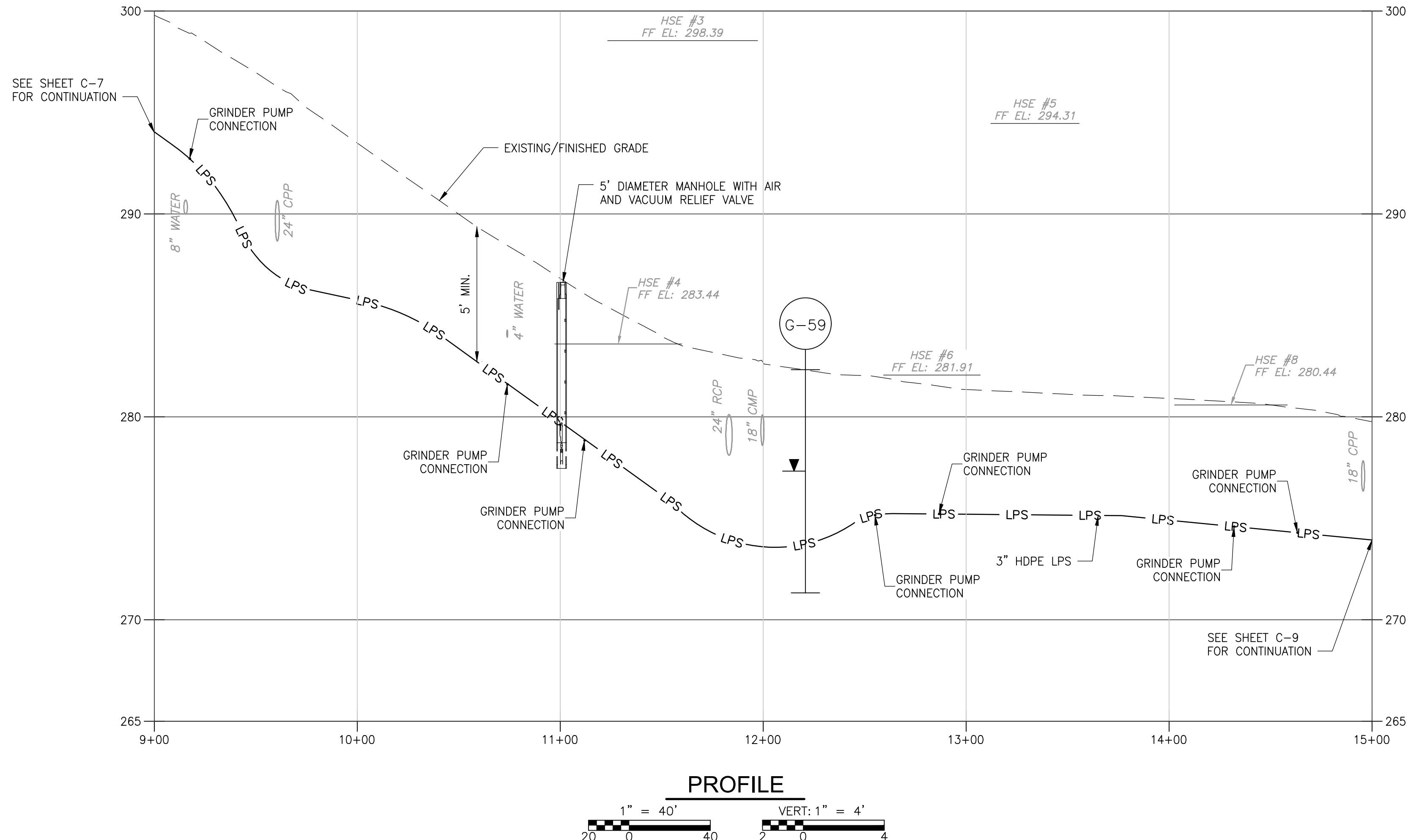
SILVERMINE ROAD  
 PLAN AND PROFILE

PROJECT NO. 261865-269061  
 FILE NAME: CPLPR007.DWG  
 SHEET NO.  
**C-7**

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  - WORK ON THIS SHEET INCLUDES SOME AREAS OF REGULATED SOILS. REFER TO SPECIFICATION SECTIONS 026110, 028110, AND APPENDIX B.
  - TRENCH-WIDTH PAVEMENT RESTORATION SHALL BE PER DETAIL F/SHEET CD-1.



REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: C. HENRY  
 DRAWN BY: S. SIDANALE  
 SHEET CHK'D BY: K. WAGNER  
 CROSS CHK'D BY: D. MURPHY  
 APPROVED BY: K. WAGNER  
 DATE: APRIL 2026

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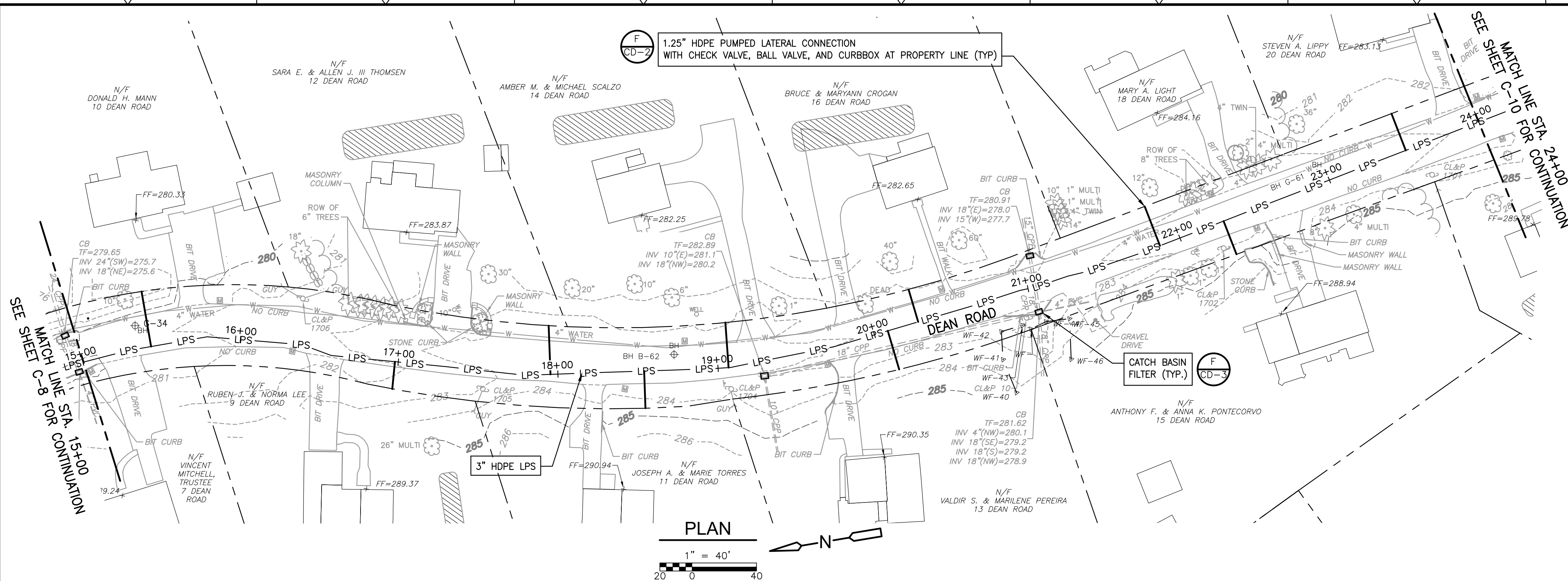
BROOKFIELD, CONNECTICUT  
 DEAN AND POCONO ROADS  
 LOW-PRESSURE SANITARY SEWER EXTENSION

DEAN ROAD  
 PLAN AND PROFILE - I

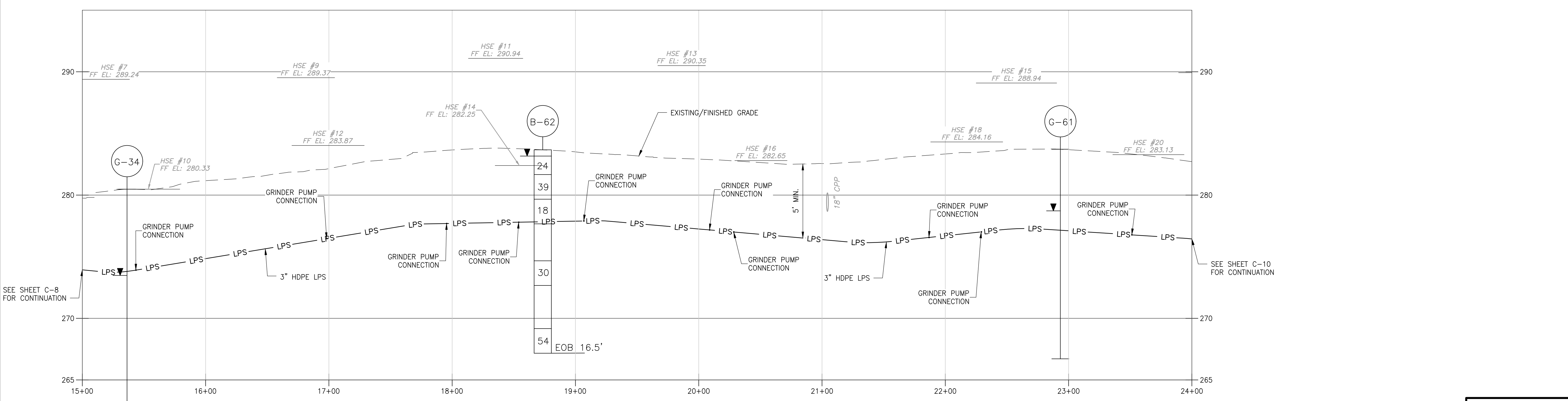
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PROJECT NO. 261865-269061  
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  - TRENCH-WIDTH PAVEMENT RESTORATION SHALL BE PER DETAIL F/SHEET CD-1.



REV. NO.	DATE	DRWN	CHKD	REMARKS

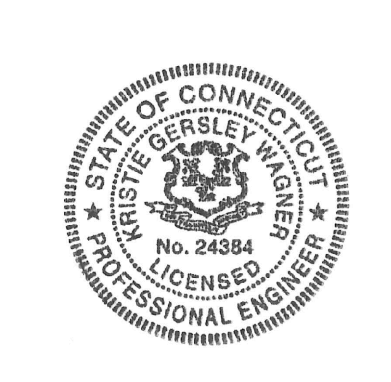
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 DRAWN BY: S. SIDANALE  
 SHEET CHK'D BY: K. WAGNER  
 CROSS CHK'D BY: D. MURPHY  
 APPROVED BY: K. WAGNER  
 DATE: APRIL 2026

**CDM Smith**  
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 Tel: (860) 529-7615

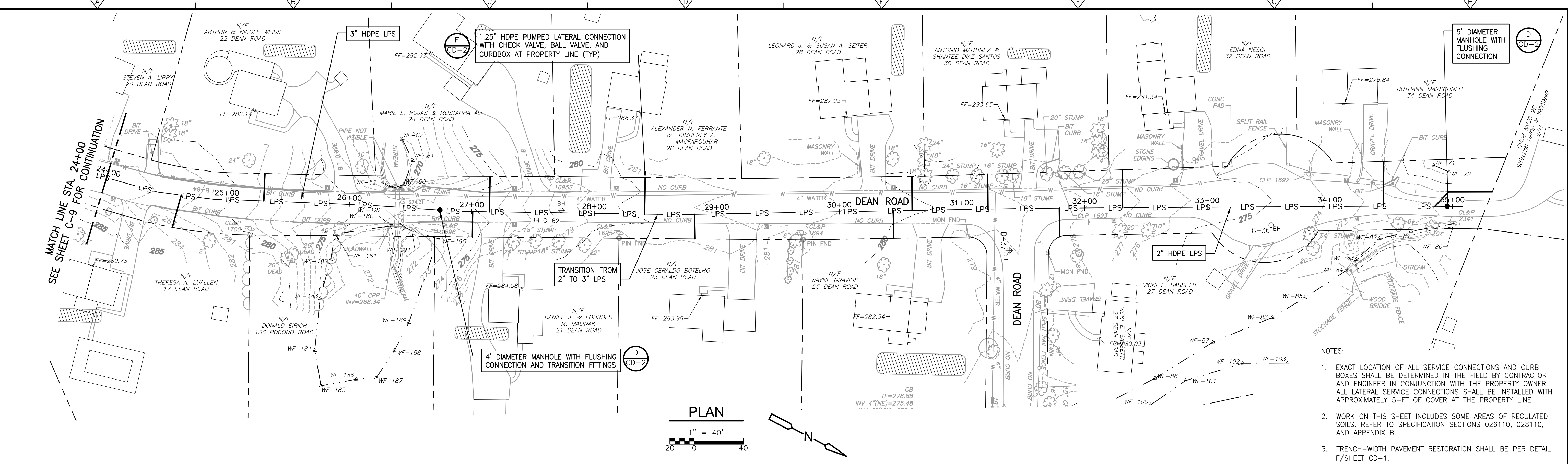
BROOKFIELD, CONNECTICUT  
**DEAN AND POCONO ROADS**  
 LOW-PRESSURE SANITARY SEWER EXTENSION

DEAN ROAD  
 PLAN AND PROFILE - II

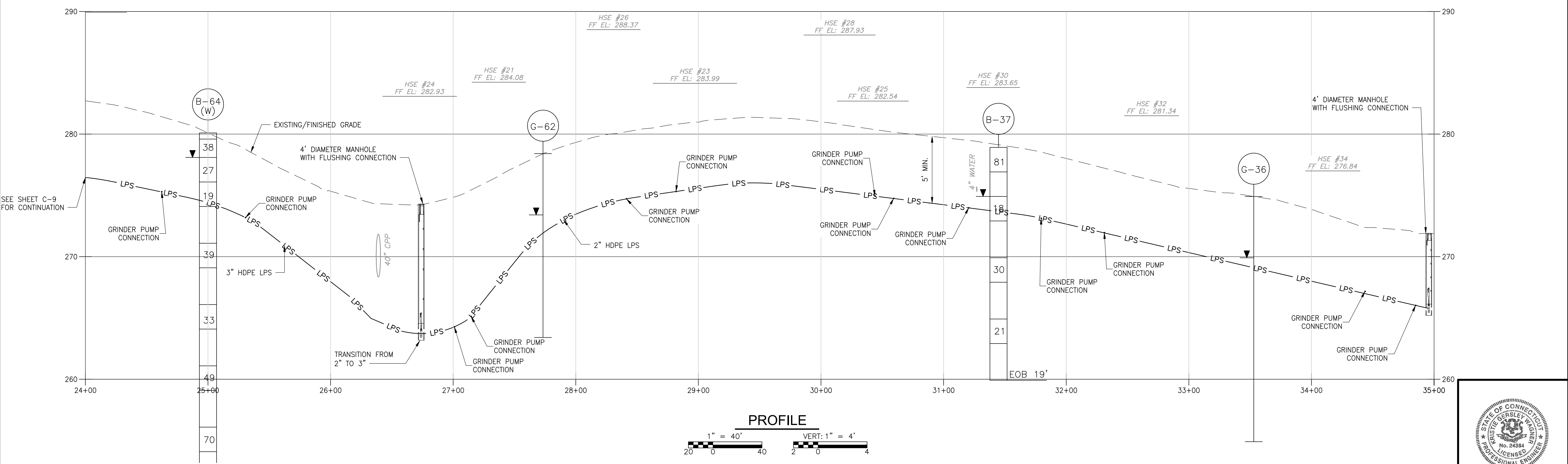
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  - WORK ON THIS SHEET INCLUDES SOME AREAS OF REGULATED SOILS. REFER TO SPECIFICATION SECTIONS 026110, 028110, AND APPENDIX B.
  - TRENCH-WIDTH PAVEMENT RESTORATION SHALL BE PER DETAIL F/SHEET CD-1.



REV. NO.	DATE	DRWN	CHKD	REMARKS

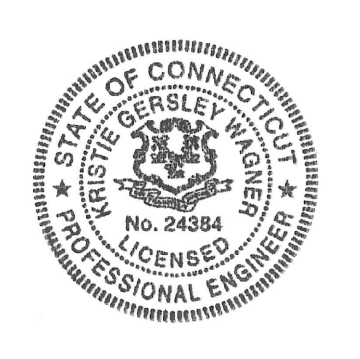
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 DRAWN BY: S. SIDANALE  
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 APPROVED BY: K. WAGNER  
 DATE: APRIL 2026

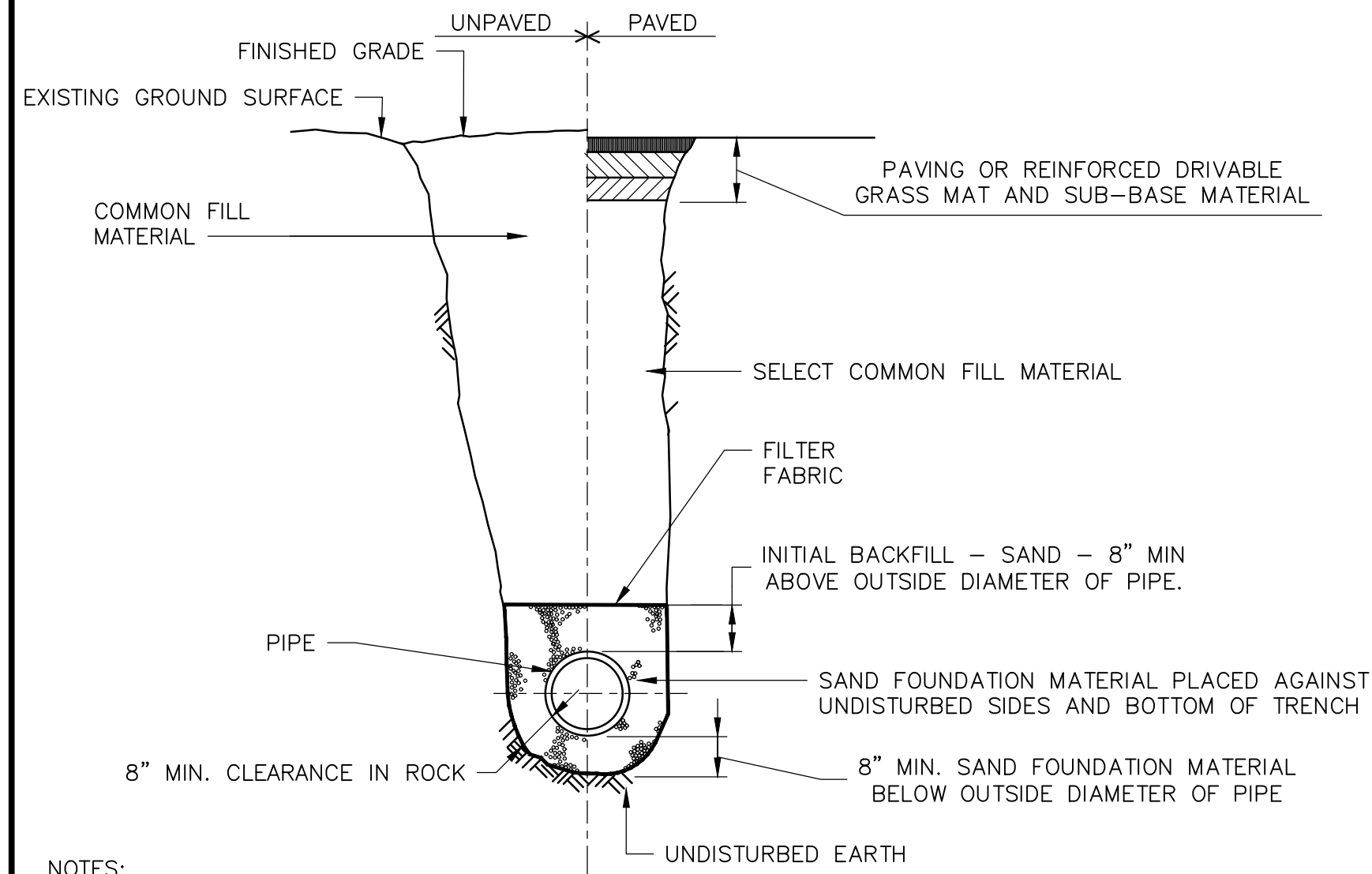
**CDM Smith**  
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 East Hartford, CT 06108  
 Tel: (860) 523-7615

BROOKFIELD, CONNECTICUT  
**DEAN AND POCONO ROADS**  
 LOW-PRESSURE SANITARY SEWER EXTENSION

**DEAN ROAD**  
 PLAN AND PROFILE - III

PROJECT NO. 261865-269061  
 FILE NAME: CPLPR010.DWG  
 SHEET NO.  
**C-10**



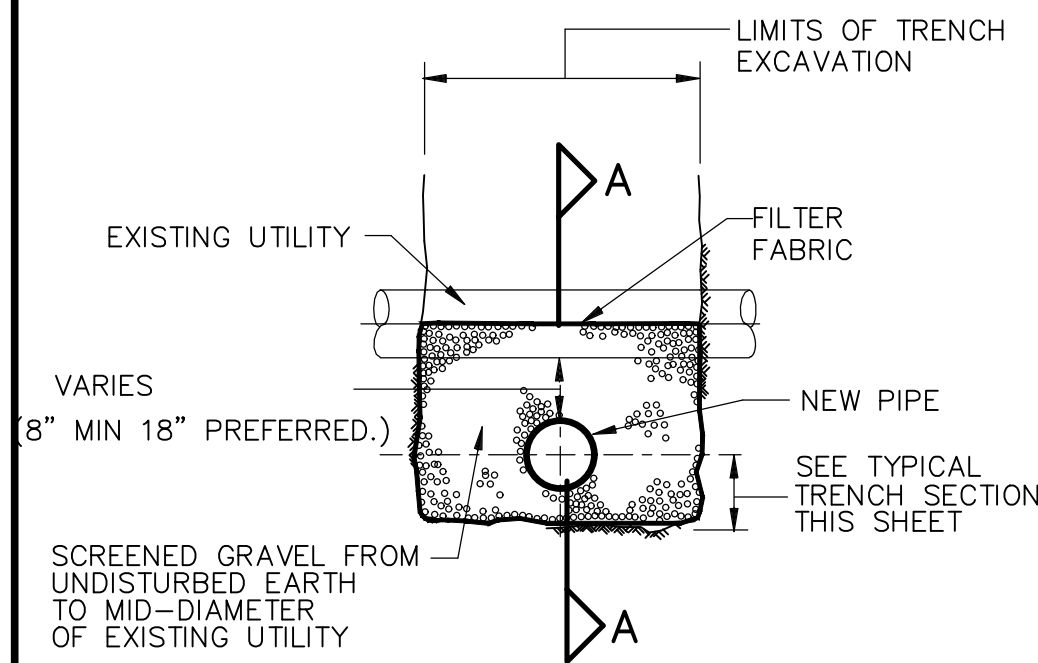


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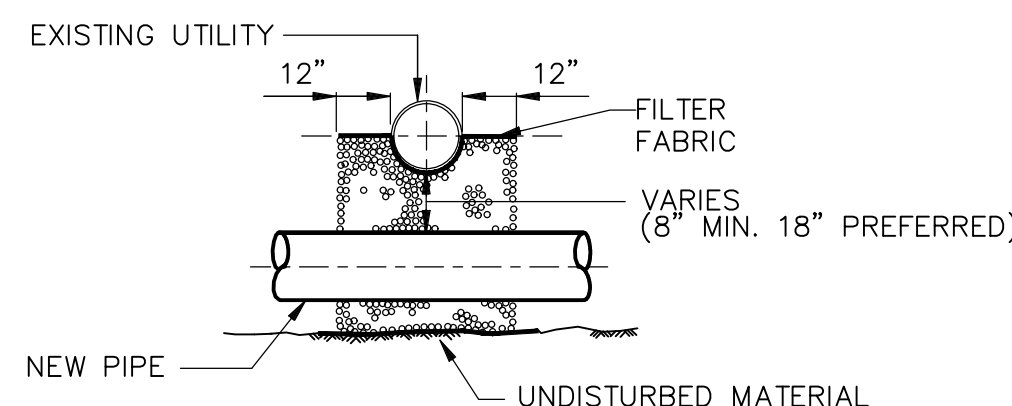
1. TRENCHES LOCATED ON THE ROAD SHOULDER SHALL BE TREATED THE SAME AS STREET EXCEPT FOR PAVING.
2. PROVIDE AT LEAST ONE IMPERVIOUS DAM IN GRAVEL BEDDING BETWEEN EACH MANHOLE OR EVERY 300- FEET, WHICHEVER IS LESS. SEE DETAIL THIS SHEET.

TYPICAL TRENCH FOR HDPE LOW-PRESSURE SEWER PIPE

DETAIL **A**  
NTS



TYPICAL SECTION



SECT A-A

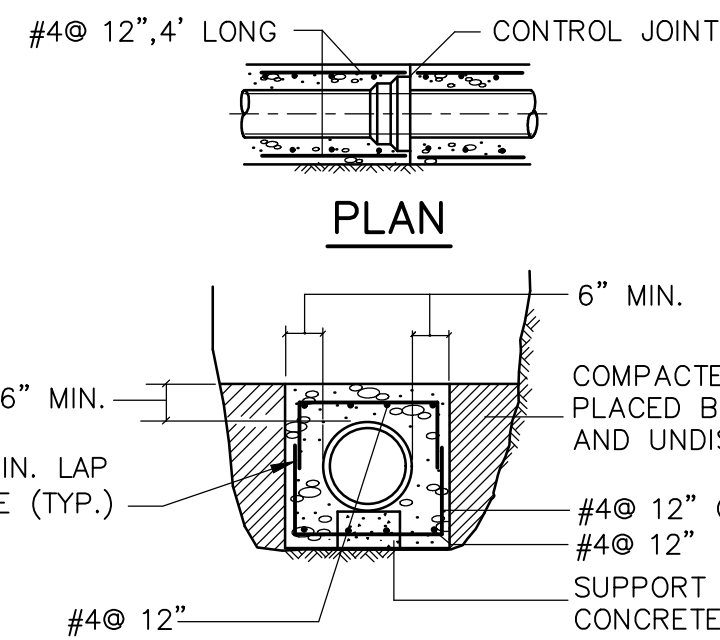
UTILITY CROSSING

DETAIL **B**  
NTS

DEPTH TO PIPE INVERT (FT)	TRENCH PAVEMENT PAYMENT WIDTH (FT)
< 12	6
12-16	10
> 16	14

TRENCH PAVEMENT PAY WIDTH TABLE

DETAIL **C**  
NTS

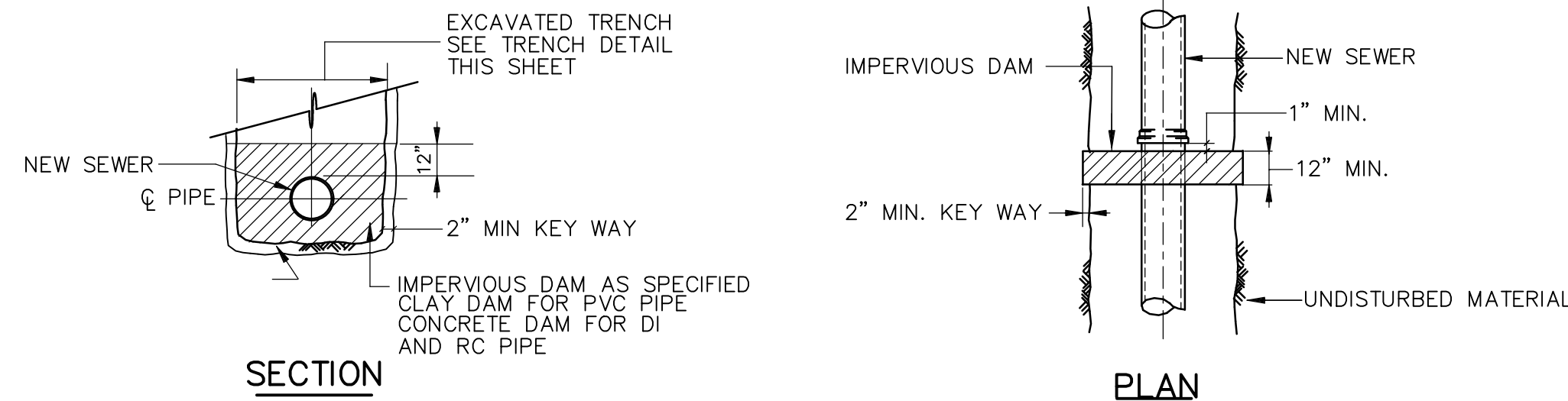


NOTES:

1. CONTROL JOINTS AND PIPE JOINTS FOR ARCHES, AND ENCASEMENT SHALL COINCIDE FOR SPACING. MAX. DISTANCE BETWEEN CONTROL JOINTS SHALL BE 24' ±
2. REINFORCING STEEL TO BE USED AT TYPE "A" MANHOLES FOR MITERED RC PIPE OPTION. AT OTHER LOCATIONS USE ONLY WHEN DEPTH OF COVER TO TOP OF SURFACE OF CONCRETE IS 5'-0" OR LESS.

CONCRETE PIPE ENCASEMENT

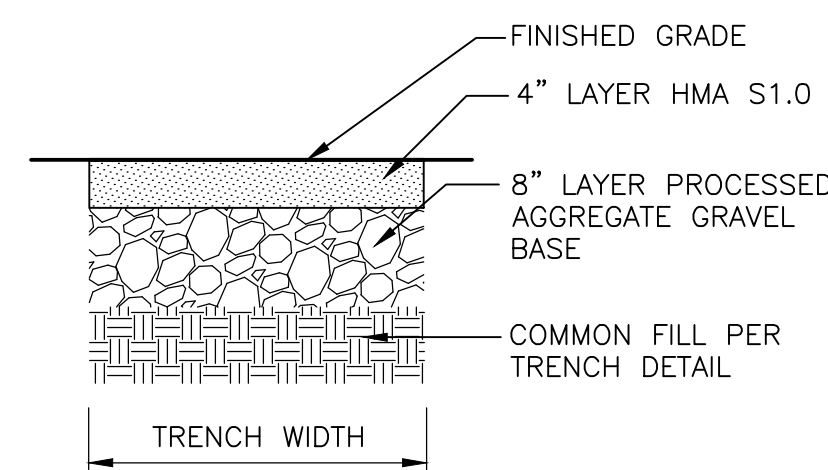
DETAIL **D**  
NTS



NOTE: AT LEAST ONE TRENCH DAM SHALL BE CONSTRUCTED FOR EVERY 300 FEET OF PIPE

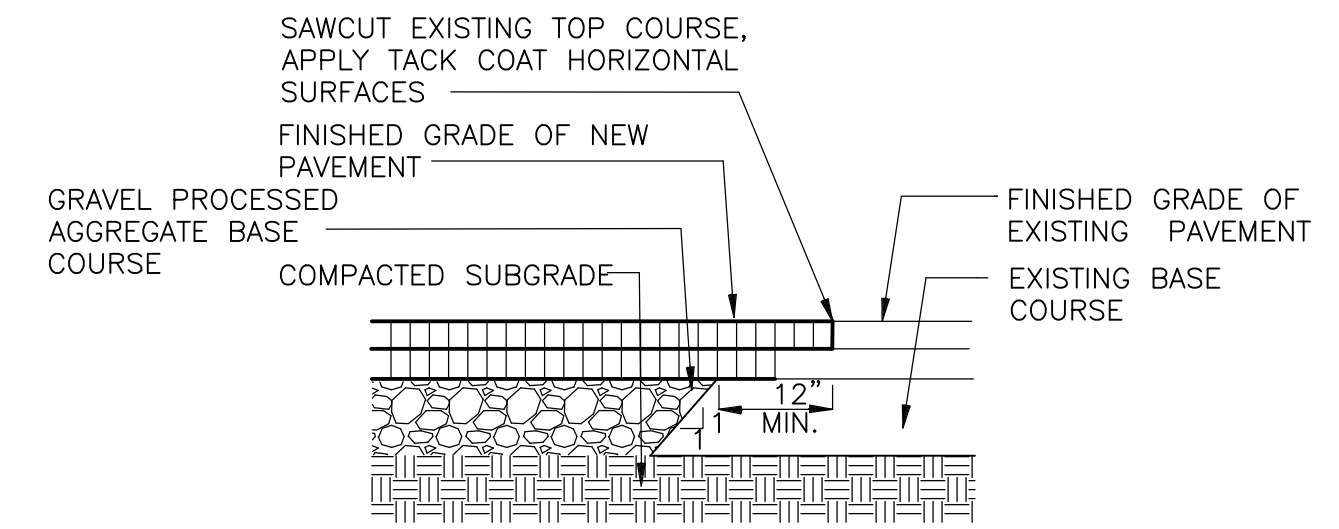
PIPE TRENCH DAM

DETAIL **E**  
NTS



TOWN ROAD TRENCH PAVEMENT RESTORATION

DETAIL **F**  
NTS



PAVEMENT MATCH

DETAIL **G**  
NTS

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REV. NO.	DATE	DRWN	CHKD	REMARKS

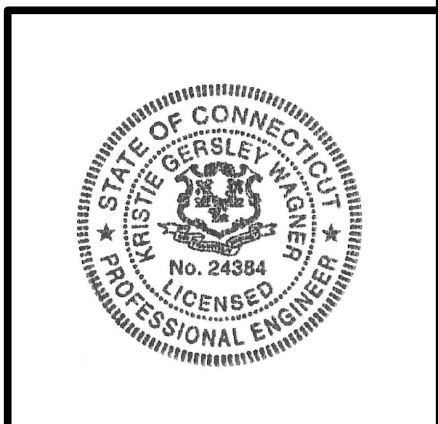
DESIGNED BY: C. HENRY  
 DRAWN BY: S. SIDANALE  
 SHEET CHK'D BY: K. WAGNER  
 CROSS CHK'D BY: D. MURPHY  
 APPROVED BY: K. WAGNER  
 DATE: APRIL 2026



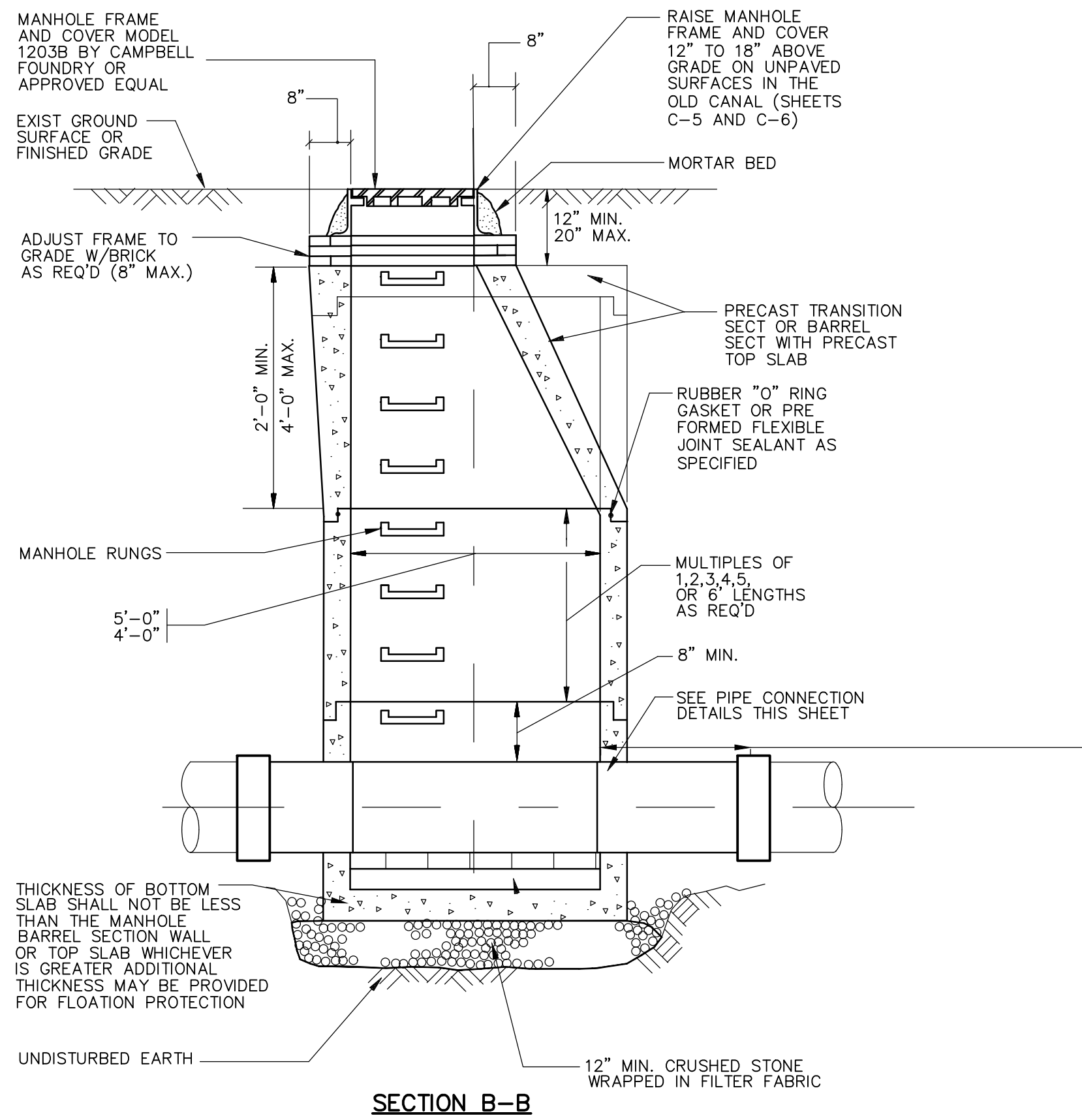
101 East River Drive, Suite 1A  
 East Hartford, CT 06108  
 Tel: (860) 529-7615

BROOKFIELD, CONNECTICUT  
 DEAN AND POCONO ROADS  
 LOW-PRESSURE SANITARY SEWER EXTENSION

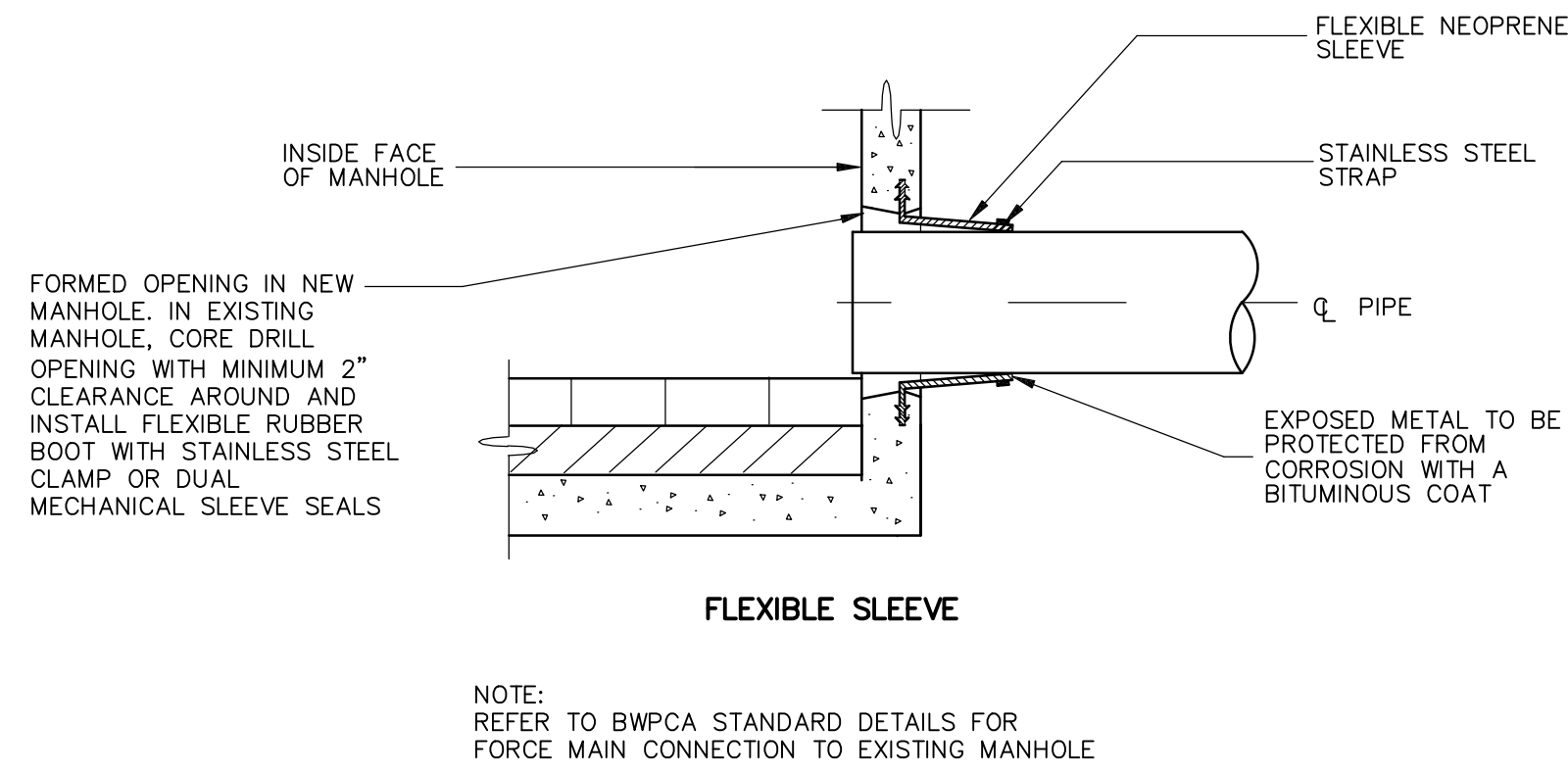
CIVIL DETAILS I  
 SHEET NO.  
 CD-1



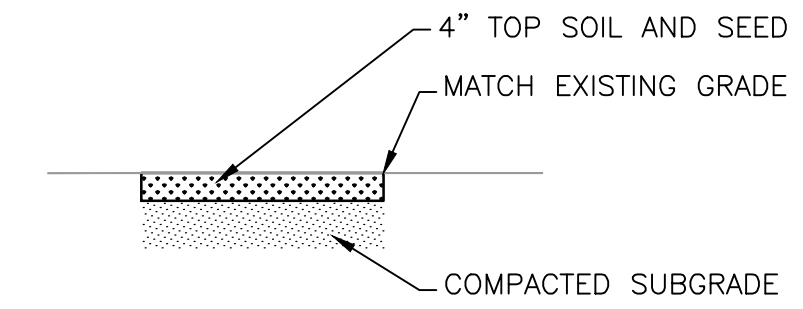
PROJECT NO. 261865-269061  
 FILE NAME: CD01STD1.DWG  
 SHEET NO.  
 CD-1



TYPICAL PRECAST SEWER MANHOLE  
**DETAIL A**  
 NTS

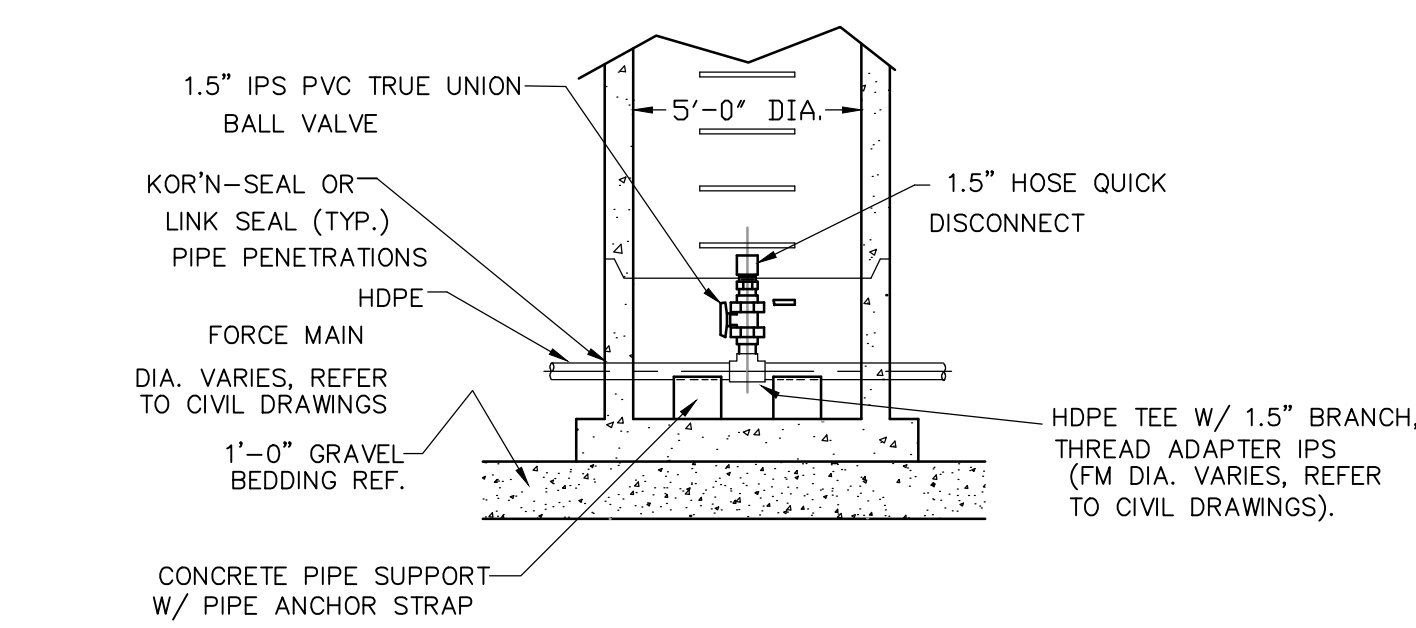


MANHOLES PIPE CONNECTION  
**DETAIL B**  
 NTS

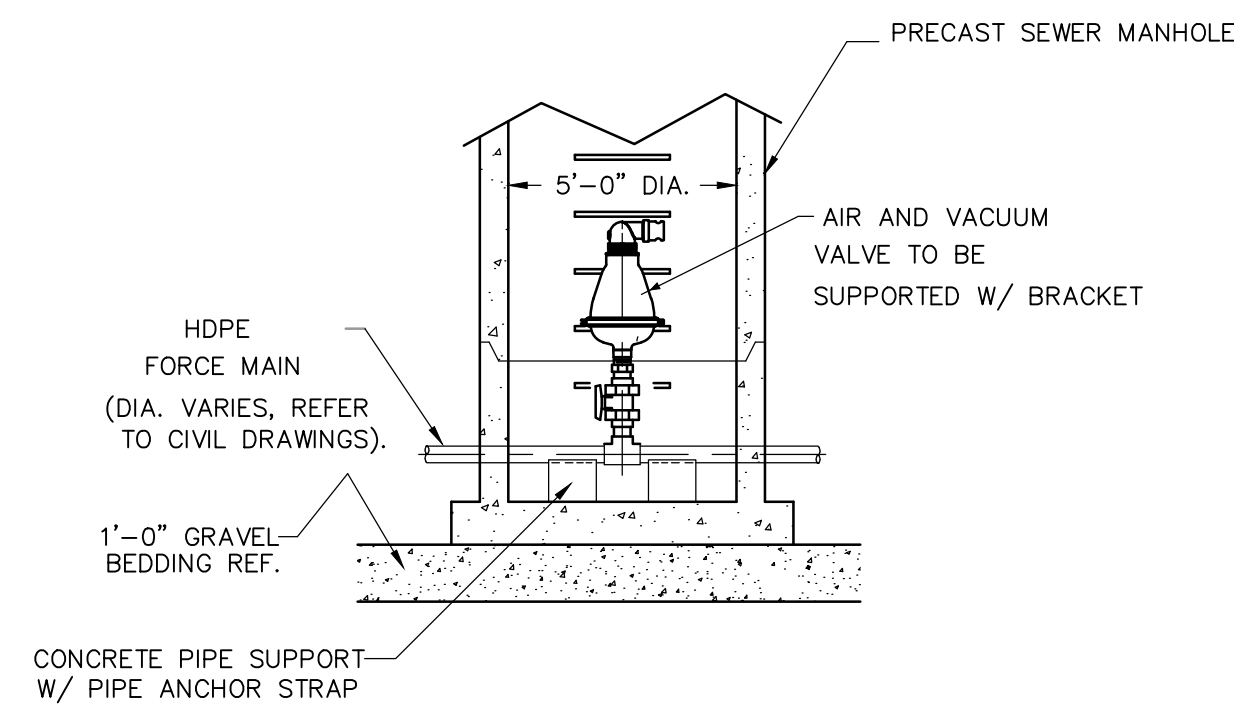


NOTES:  
 1. RESTORE SURFACE OF AREAS DISTURBED BY WORK AS SHOWN.

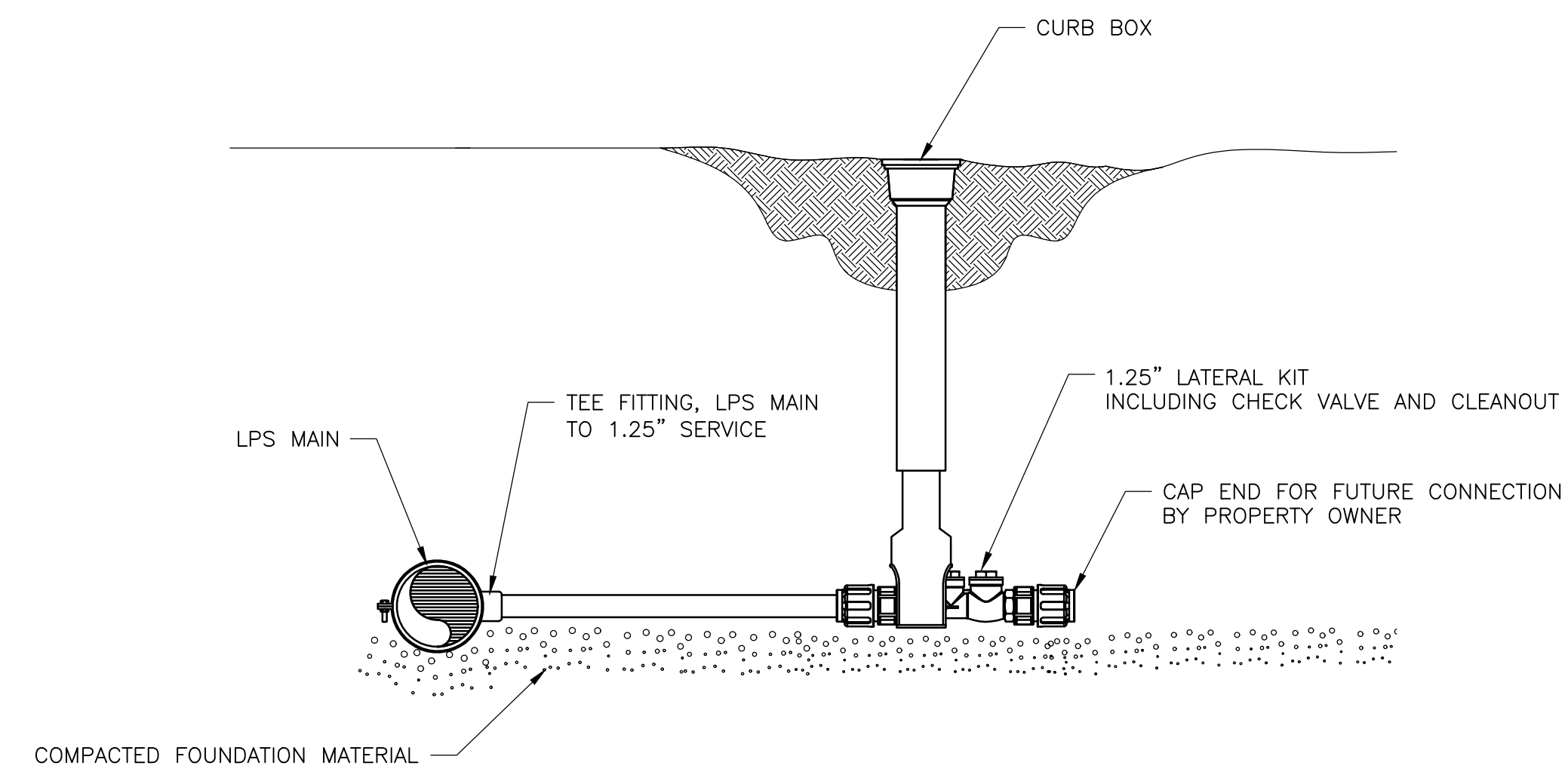
SURFACE RESTORATION  
**DETAIL C**  
 NTS



FLUSHING MANHOLE  
**DETAIL D**  
 NTS



AIR AND VACUUM RELIEF VALVE MANHOLE  
**DETAIL E**  
 NTS



TYPICAL SERVICE LATERAL INSTALLATION  
**DETAIL F**  
 NTS

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REV. NO.	DATE	DRWN	CHKD	REMARKS

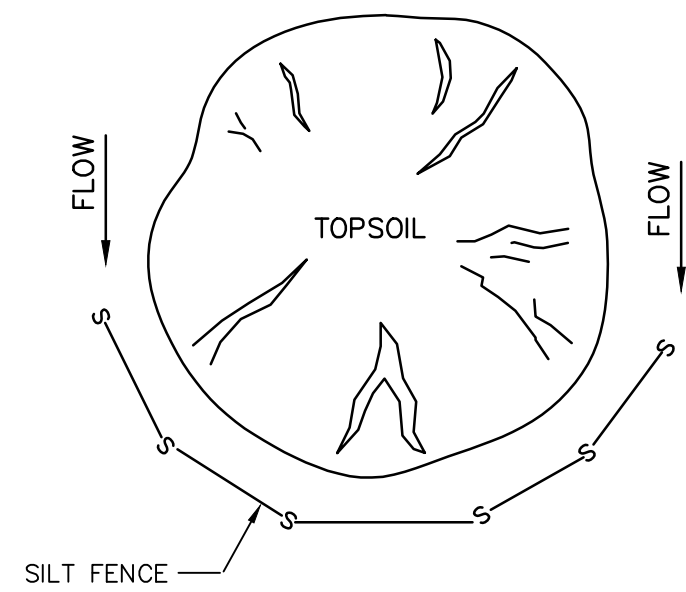
DESIGNED BY: C. HENRY	<p>101 East River Drive, Suite 1A        East Hartford, CT 06108        Tel: (860) 529-7615</p>
DRAWN BY: S. SIDANALE	
SHEET CHK'D BY: K. WAGNER	
CROSS CHK'D BY: D. MURPHY	
APPROVED BY: K. WAGNER	
DATE: APRIL 2026	

BROOKFIELD, CONNECTICUT  
**DEAN AND POCONO ROADS**  
 LOW-PRESSURE SANITARY SEWER EXTENSION

**CIVIL DETAILS II**  
 SHEET NO.  
**CD-2**

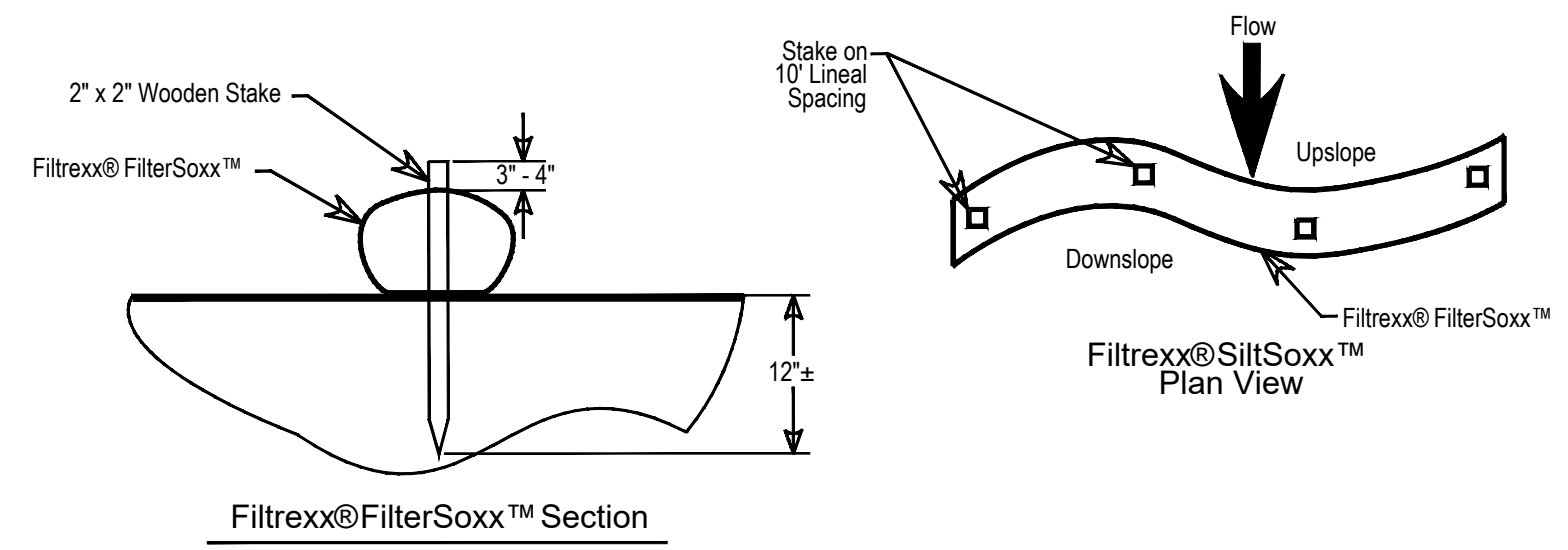
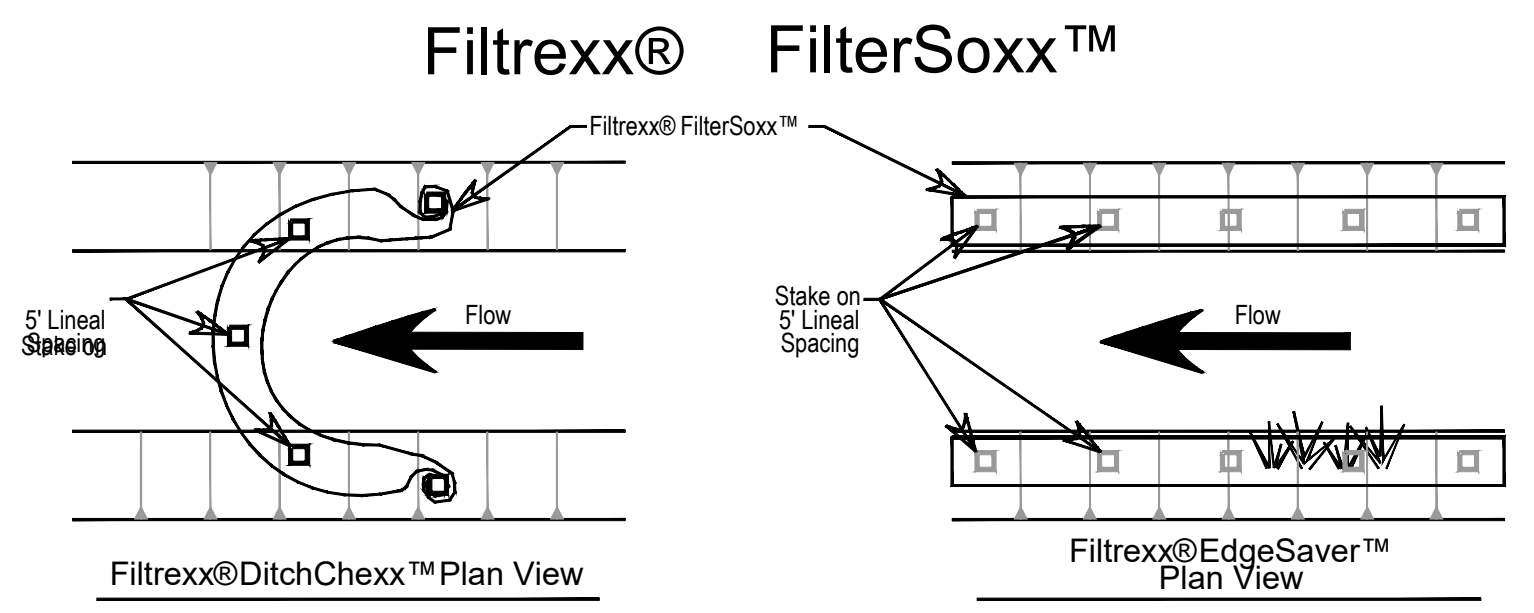


PROJECT NO. 261865-269061  
 FILE NAME: CD02STD.DWG  
 SHEET NO.  
**CD-2**



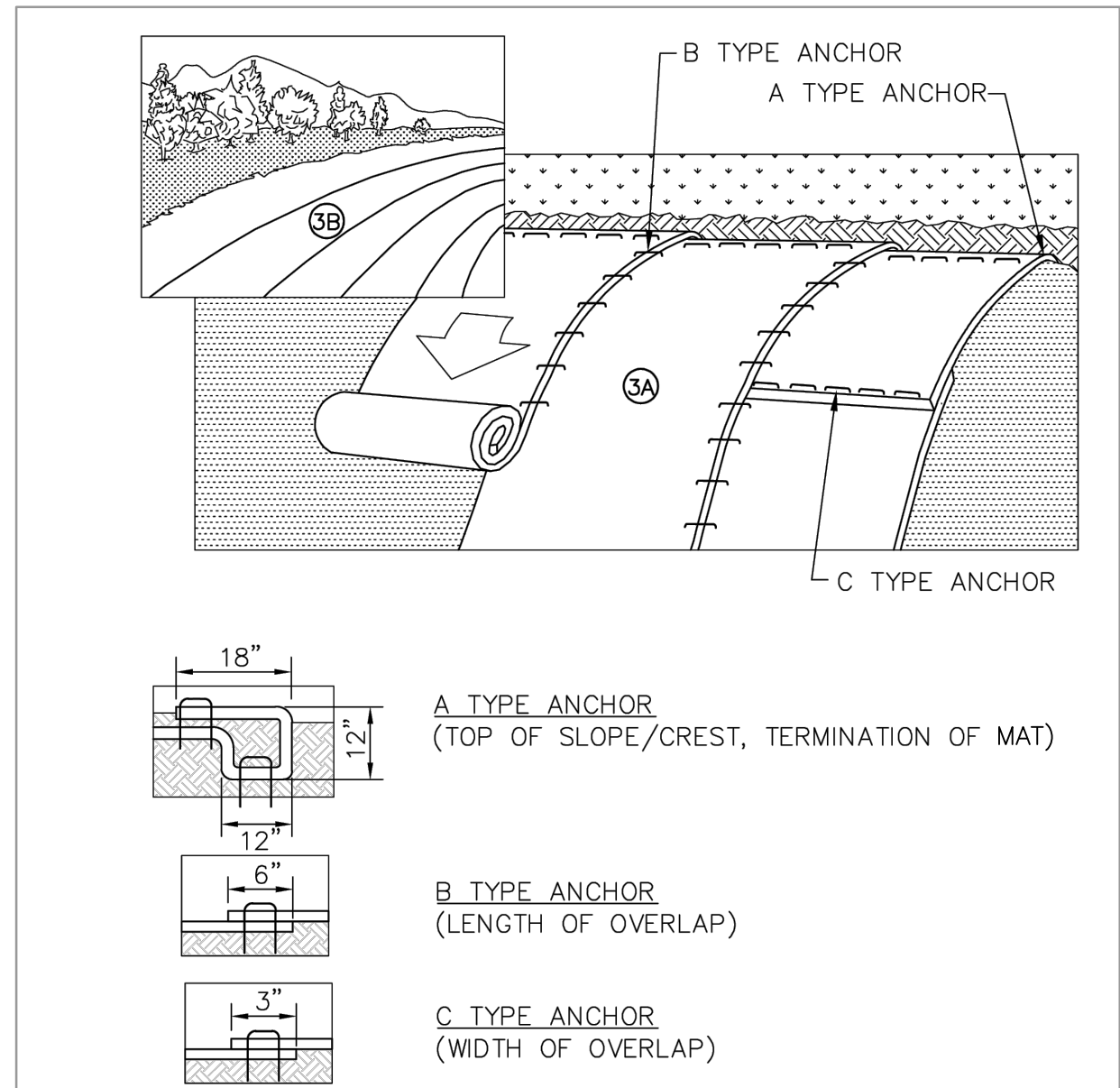
- NOTES:
- 1) A STOCKPILE SHALL BE USED TO CONTAIN ALL STRIPPED TOPSOIL IN A LIMITED AREA IN ORDER TO KEEP DISTURBANCE TO A MINIMUM.
  - 2) STOCKPILES ARE TO BE STABILIZED IMMEDIATELY.
  - 3) STOCKPILE HEIGHTS MUST NOT EXCEED 35 FEET.
  - 4) STOCKPILE SLOPES MUST BE 2:1 OR FLATTER.
  - 5) STOCKPILES SHALL BE LOCATED SO THAT ALL SWALES CAN FUNCTION AS DESIGNED.

TOPSOIL STOCKPILE  
DETAIL A  
NTS



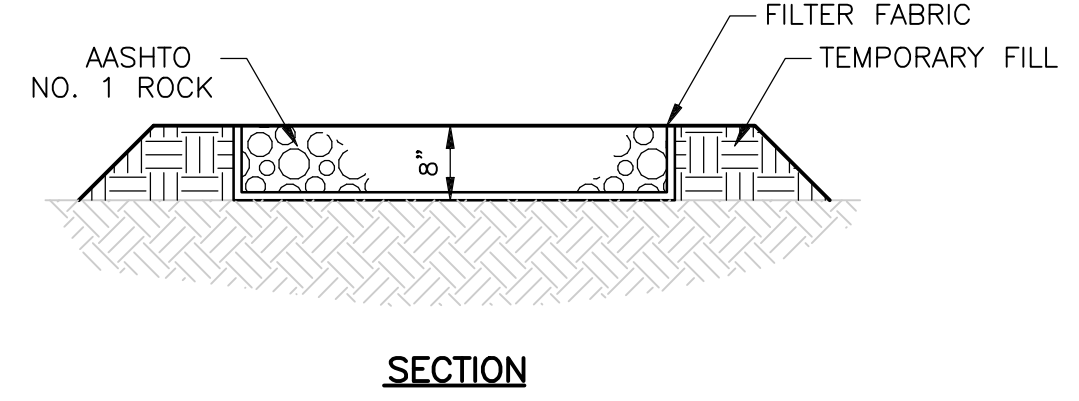
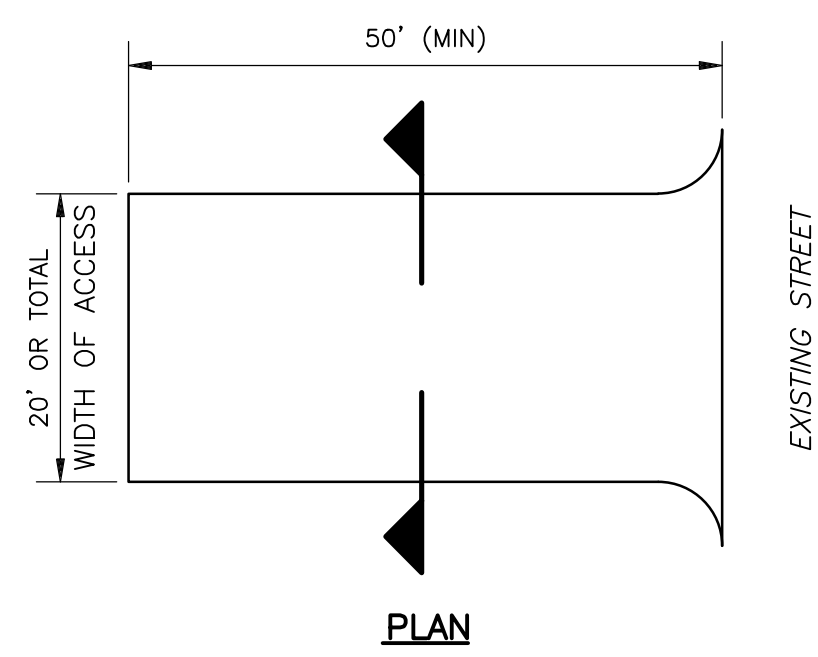
- NOTES:
1. ALL MATERIAL TO MEET FILTREXX® OR EQUAL SPECIFICATIONS
  2. FILTERSOXX™ COMPOST/SOIL/ROCK/SEED FILL TO MEET APPLICATION REQUIREMENTS.
  3. COMPOST MATERIAL TO BE DISPERSED ON SITE, AS DETERMINED BY ENGINEER.
  4. COMPOST FILTER SOCK TO BE INSTALLED AS DIRECTED BY ENGINEER OR TOWN OF BROOKFIELD AT LOCATIONS WHERE SILTATION IS A POTENTIAL CONCERN.

COMPOSITE FILTER SOCK  
DETAIL B  
NTS



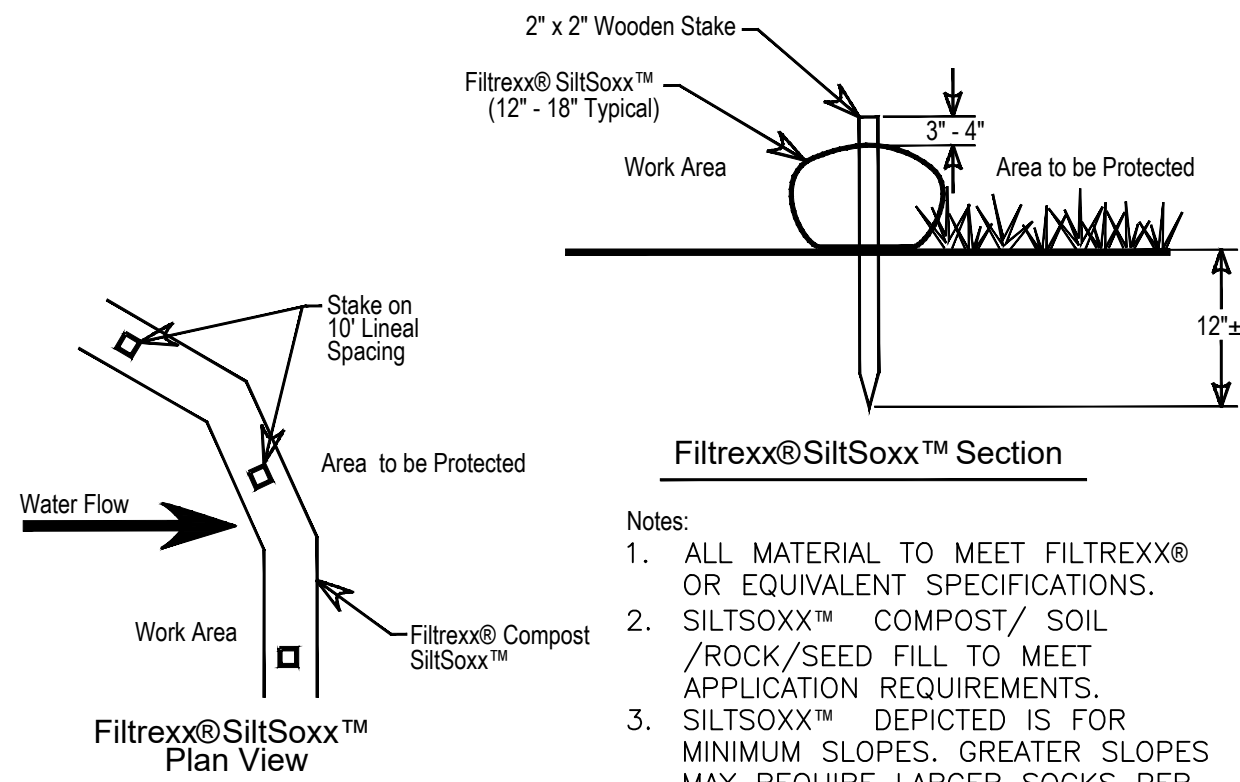
- NOTES:
1. INSTALL EROSION CONTROL BLANKET ON ALL SLOPES OF 6:1 (H:V) OR STEEPER IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
  2. PREPARE SOIL BEFORE INSTALLATION OF MATTING, INCLUDING FERTILIZER AND SEED.
  3. ROLL THE MAT (A) DOWN OR (B) HORIZONTALLY ACROSS THE SLOPE WITH STAPLES.
  4. STAPLES SHALL BE A MINIMUM 6" LONG AND SPACED APPROXIMATELY 12" APART.

EROSION CONTROL BLANKET  
DETAIL C  
NTS



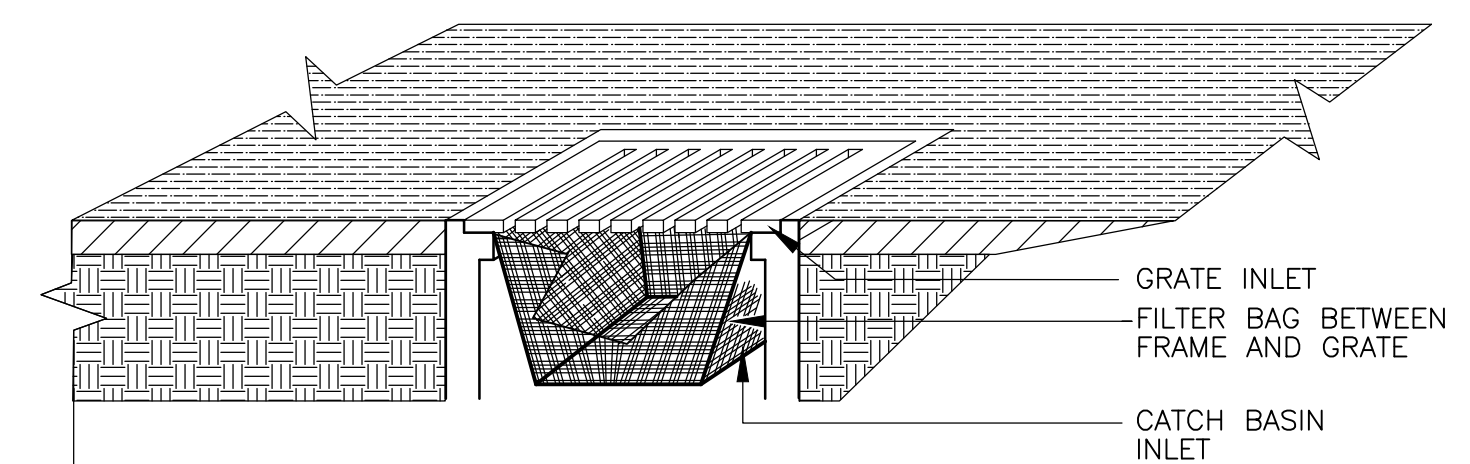
- NOTES:
1. ROCK CONSTRUCTION ENTRANCE THICKNESS SHALL BE CONSTANTLY MAINTAINED TO THE SPECIFIED DIMENSIONS BY ADDING ROCK. A STOCKPILE SHALL BE MAINTAINED ON SITE FOR THIS PURPOSE. AT THE END OF EACH CONSTRUCTION DAY, ALL SEDIMENT DEPOSITED ON PAVED ROADWAYS SHALL BE REMOVED AND RETURNED TO THE CONSTRUCTION SITE.
  2. ROCK CONSTRUCTION ENTRANCE TO BE INSTALLED AT CONTRACTOR STAGING/STOCKPILING AREA AND MAINTAINED THROUGHOUT DURATION OF CONSTRUCTION.

ROCK CONSTRUCTION ENTRANCE  
DETAIL D  
NTS



- Notes:
1. ALL MATERIAL TO MEET FILTREXX® OR EQUIVALENT SPECIFICATIONS.
  2. SILTSOXX™ COMPOST/ SOIL /ROCK/SEED FILL TO MEET APPLICATION REQUIREMENTS.
  3. SILTSOXX™ DEPICTED IS FOR MINIMUM SLOPES. GREATER SLOPES MAY REQUIRE LARGER SOCKS PER THE ENGINEER.
  4. COMPOST MATERIAL TO BE DISPERSED ON SITE, AS DETERMINED BY ENGINEER.

COMPOSITE FILTER SOCK STACKING  
DETAIL E  
NTS



- NOTES:
1. CATCH BASIN FILTERS TO BE INSTALLED IN EVERY CATCH BASIN IN DISTURBED AREA AND MAINTAINED THROUGHOUT DURATION OF CONSTRUCTION.

CATCH BASIN FILTER  
DETAIL F  
NTS

XREFS: [CDMS\_2234] Images - [ ]  
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REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: C. HENRY
DRAWN BY: S. SIDANALE
SHEET CHK'D BY: K. WAGNER
CROSS CHK'D BY: D. MURPHY
APPROVED BY: K. WAGNER
DATE: APRIL 2026

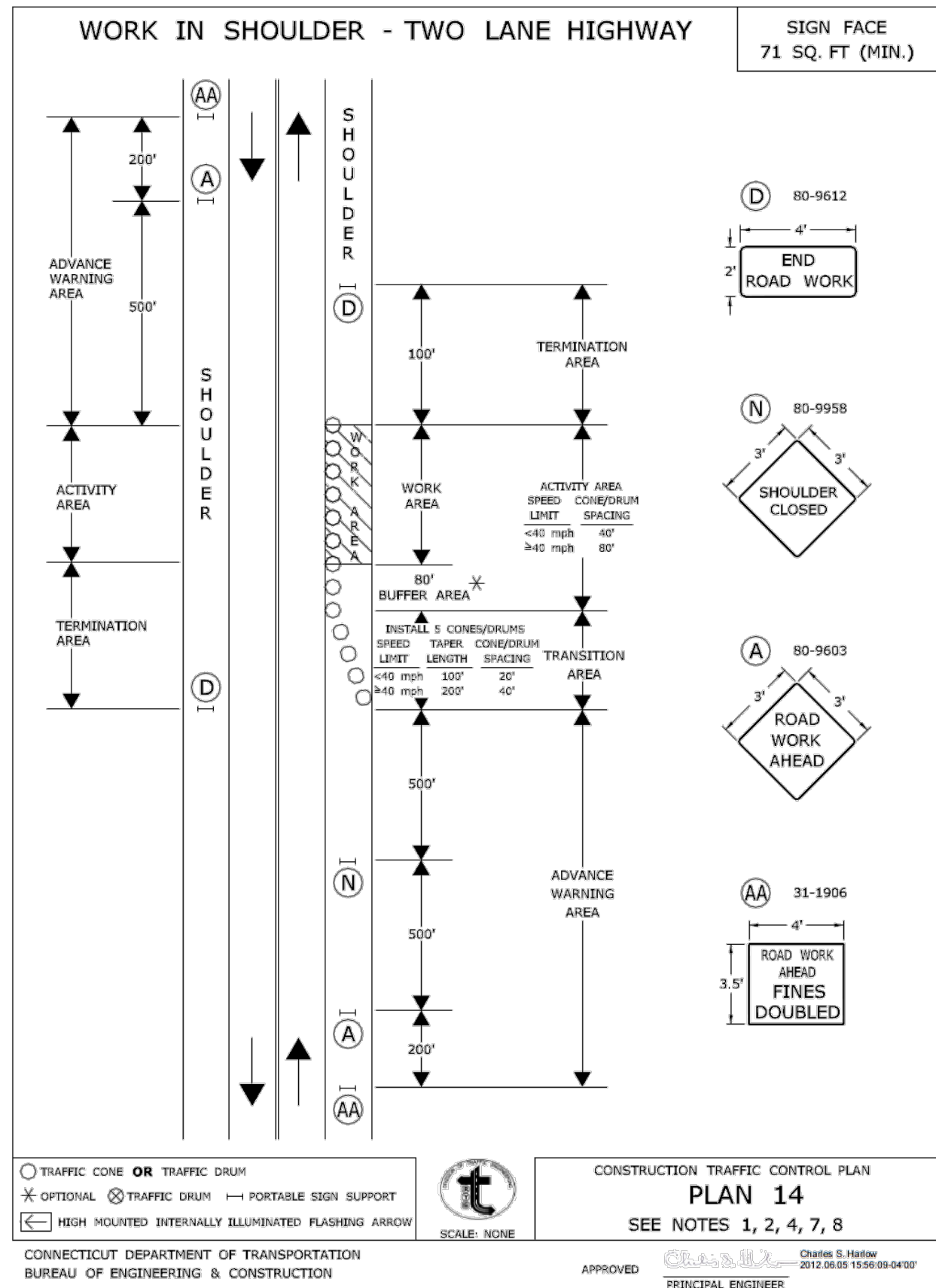
BROOKFIELD, CONNECTICUT  
**DEAN AND POCONO ROADS**  
 LOW-PRESSURE SANITARY SEWER EXTENSION

CIVIL DETAILS III  
 SHEET NO.  
**CD-3**

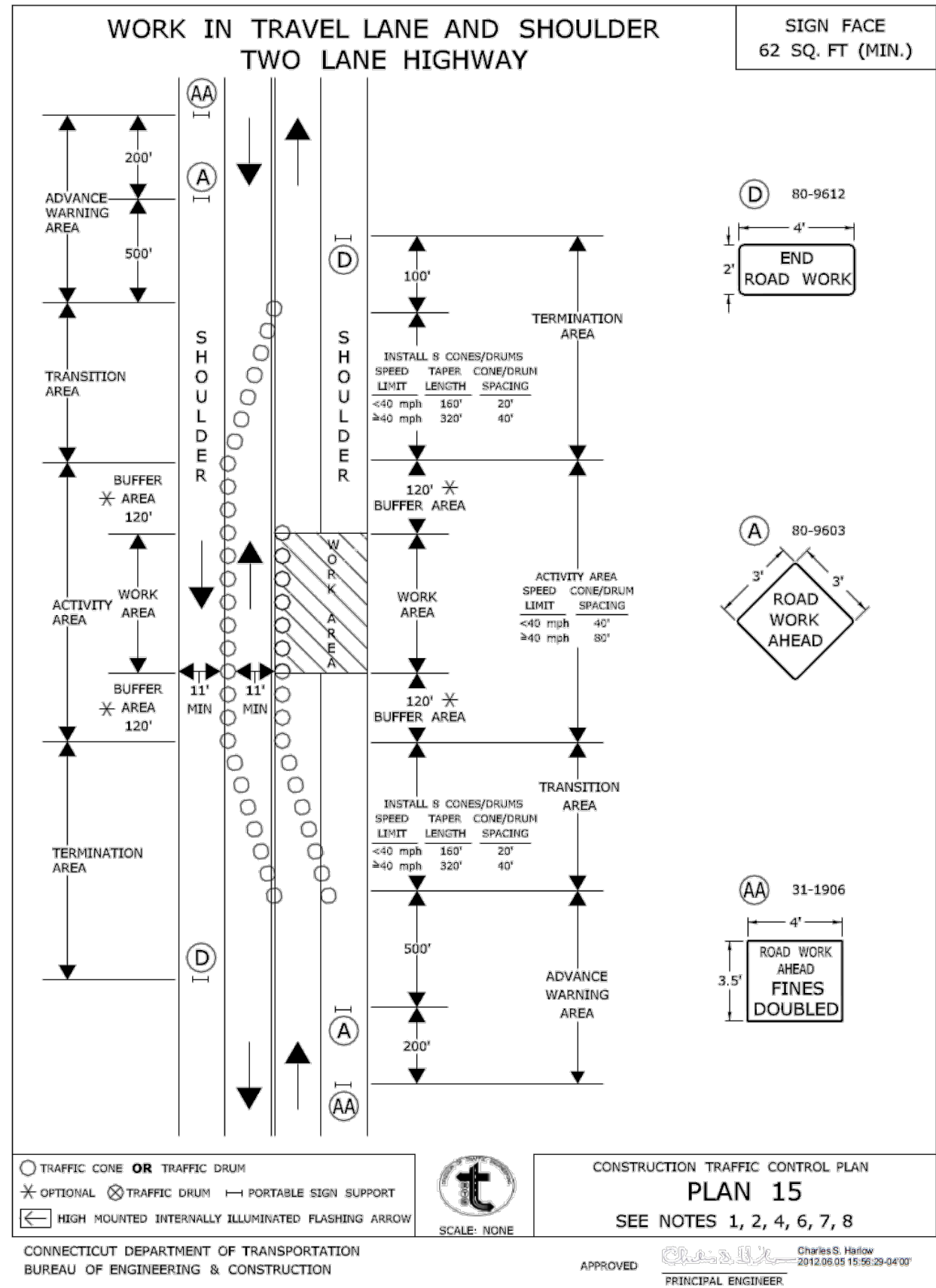


PROJECT NO. 261865-269061  
 FILE NAME: CD03STD.DWG  
 SHEET NO.  
**CD-3**

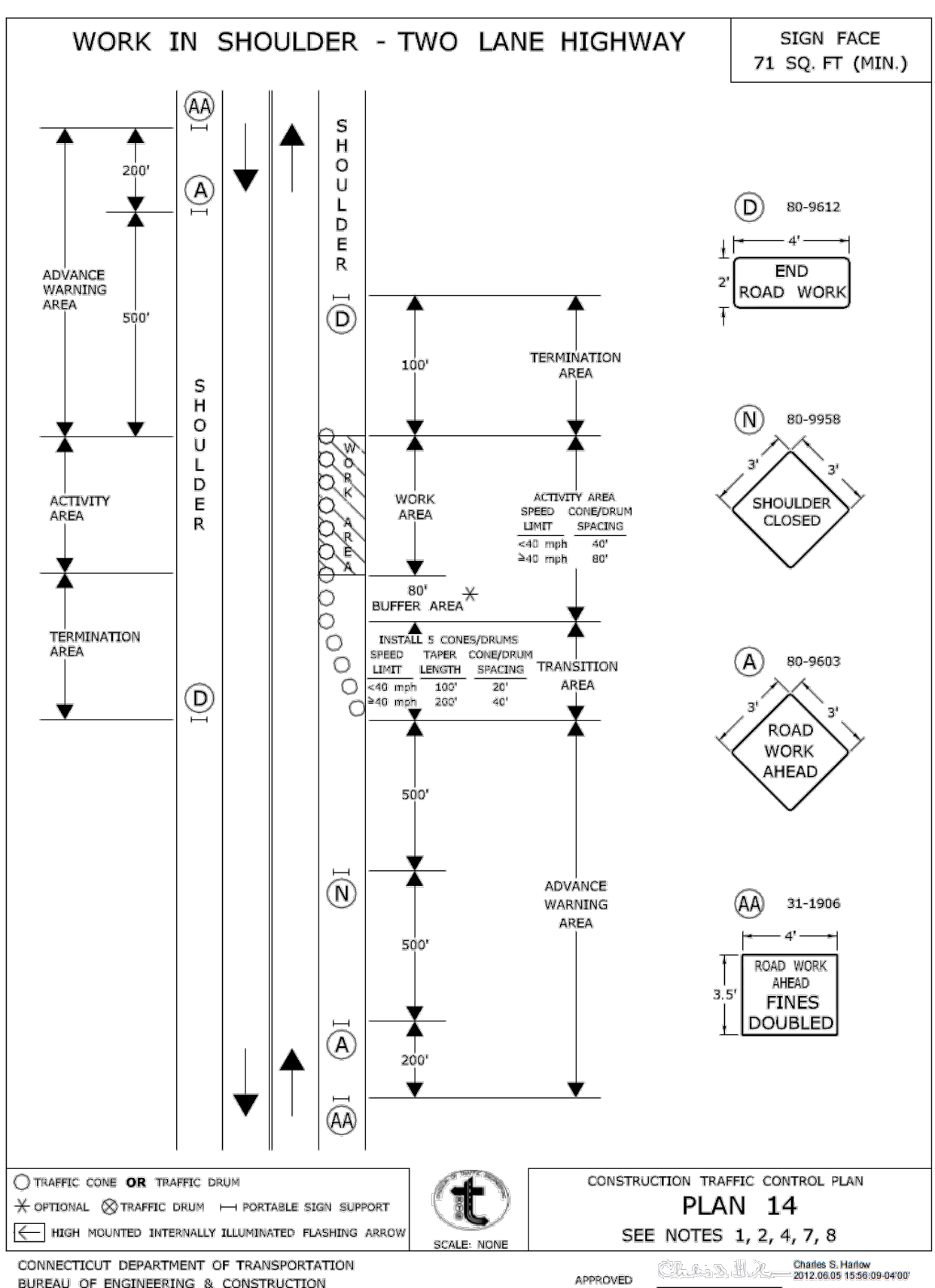
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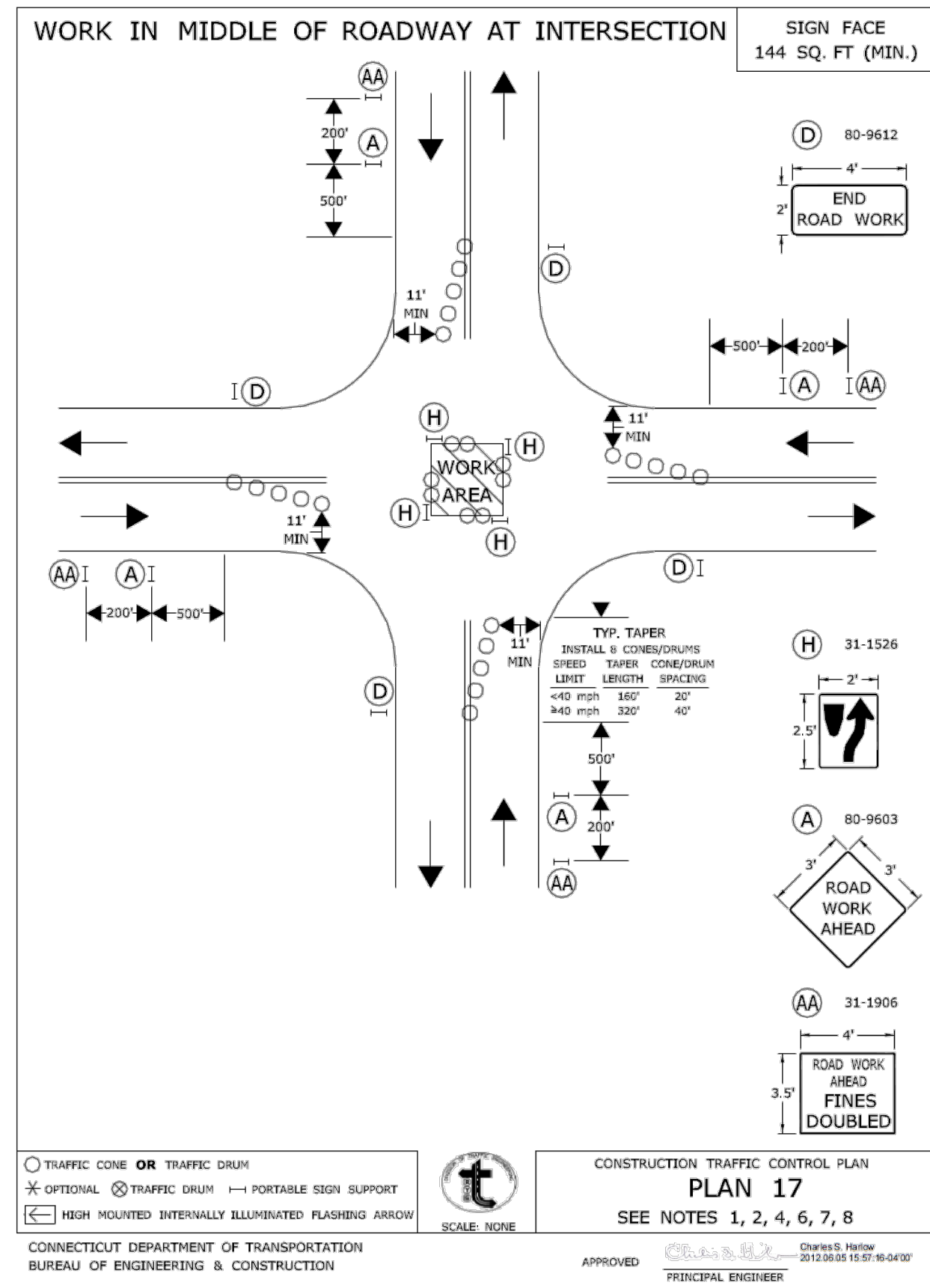
ITEM #971001A



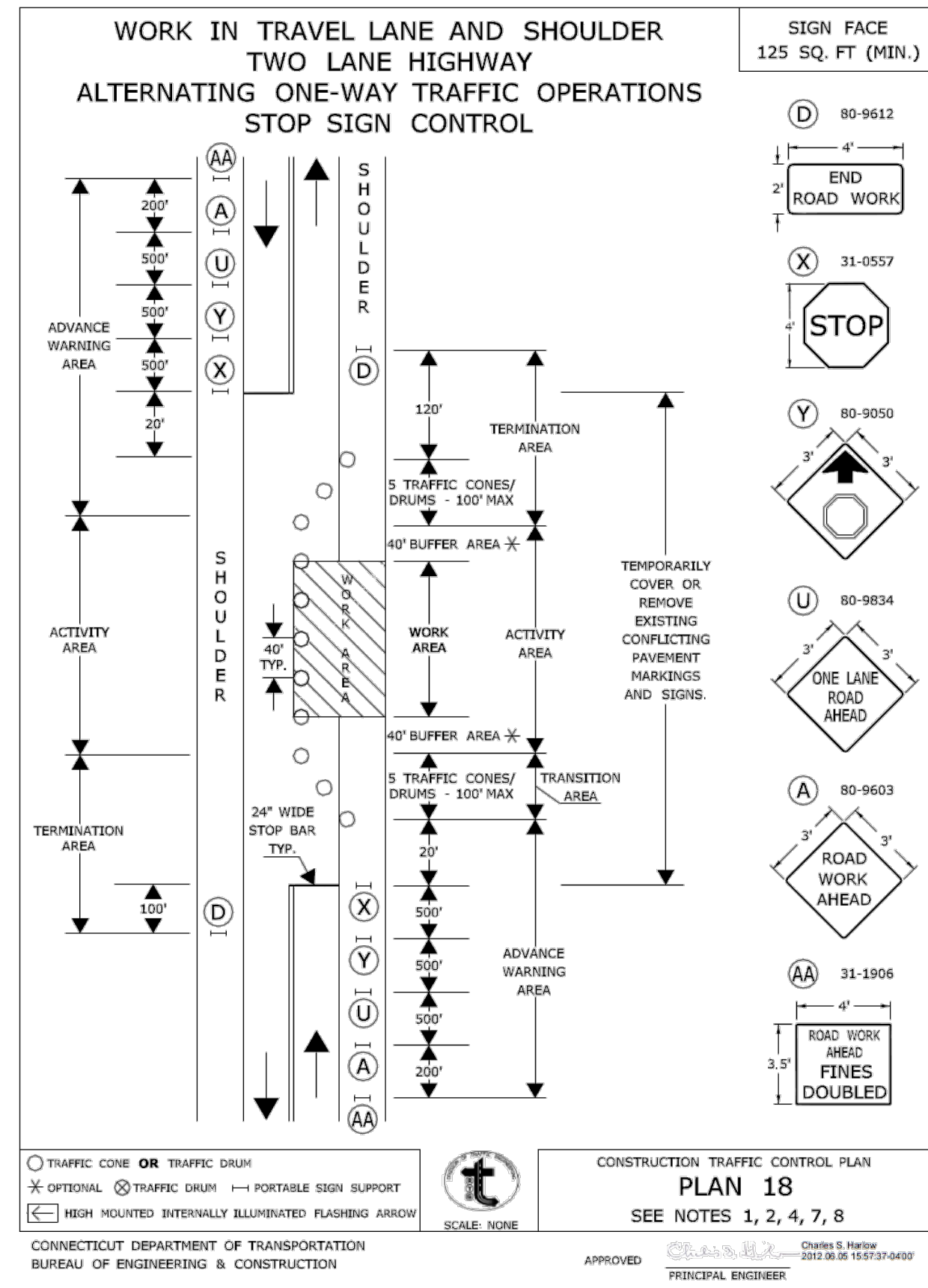
ITEM #971001A



ITEM #971001A



ITEM #971001A



ITEM #971001A

NOTE:  
DETAILS THIS SHEET ARE STANDARD DETAILS FROM CT DOT AND INTENDED AS REFERENCE FOR BEST PRACTICES FOR TRAFFIC MANAGEMENT DURING WORK IN SHOULDERS OR TRAVEL WAYS.

ALL TRAFFIC CONTROL MEASURES AND POLICING SHALL BE AS REQUIRED BY TOWN OF BROOKFIELD POLICE DEPARTMENT.



REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: S. SIDANALE  
 DRAWN BY: A. WELDON  
 SHEET CHK'D BY: K. WAGNER  
 CROSS CHK'D BY: D. MURPHY  
 APPROVED BY: K. WAGNER  
 DATE: APRIL 2026

BROOKFIELD, CONNECTICUT  
 DEAN AND POCONO ROADS  
 LOW-PRESSURE SANITARY SEWER EXTENSION

TRAFFIC MANAGEMENT DETAILS  
 TM-1

PROJECT NO. 261865-269061  
 FILE NAME: TM01PLDT.DWG  
 SHEET NO.  
 TM-1