TOWN OF DUDLEY, MA

STEVENS MILL SEWER AND SIDEWALK REPLACEMENT PROJECT

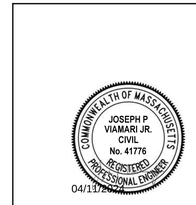
APRIL 2024

LIST OF DRAWINGS		
SHEET NO.	DRAWING TITLE	SHEET DESCRIPTION
1	G-001	COVER
2	G-002	LEGEND AND ABBREVIATIONS
3	G-003	GENERAL NOTES
4	C-100	OVERALL SITE KEY PLAN
5	C-101	EXISTING CONDITIONS AND DEMOLITION PLAN - 1
6	C-101A	EXISTING CONDITIONS AND DEMOLITION PLAN - 1 ALTERNATE 1 SCOPE
7	C-102	EXISTING CONDITIONS AND DEMOLITION PLAN - 2
8	C-102A	EXISTING CONDITIONS AND DEMOLITION PLAN - 2 ALTERNATE 1 SCOPE
9	C-103A	EXISTING CONDITIONS AND DEMOLITION PLAN - 3 ALTERNATE 2 SCOPE
10	C-104	EXISTING CONDITIONS AND DEMOLITION PLAN - 4
11	C-105	EXISTING CONDITIONS AND DEMOLITION PLAN - 5
12	C-106	EXISTING CONDITIONS AND DEMOLITION PLAN - 6
13	C-201	SITE LAYOUT AND IMPROVEMENTS PLAN - 1
14	C-201A	SITE LAYOUT AND IMPROVEMENTS PLAN - 1 ALTERNATE 1 SCOPE
15	C-202	SITE LAYOUT AND IMPROVEMENTS PLAN - 2
16	C-202A	SITE LAYOUT AND IMPROVEMENTS PLAN - 2 ALTERNATE 1 SCOPE
17	C-203A	SITE LAYOUT AND IMPROVEMENTS PLAN - 3 ALTERNATE 2 SCOPE
18	C-204	SITE LAYOUT AND IMPROVEMENTS PLAN - 4
19	C-205	SITE LAYOUT AND IMPROVEMENTS PLAN - 5
20	C-206	SITE LAYOUT AND IMPROVEMENTS PLAN - 6
21	C-300	SEWER LAYOUT OVERALL SITE PLAN
22	C-301	VILLAGE STREET SEWER PLAN AND PROFILE
23	C-302	MILL STREET SEWER PLAN AND PROFILE
24	C-303	WEST MAIN STREET SEWER PLAN AND PROFILE - 1
25	C-304	WEST MAIN STREET SEWER PLAN AND PROFILE - 2
26	C-305	ARDLOCK PLACE SEWER PLAN AND PROFILE - 1
27	C-306	ARDLOCK PLACE SEWER PLAN AND PROFILE - 2
28	C-501	SITE DETAILS - 1
29	C-502	SITE DETAILS - 2
30	C-503	SITE DETAILS - 3
31	C-504	SITE DETAILS - 4
32	C-505	SITE DETAILS - 5
33	C-506	TRAFFIC MANAGEMENT PLAN

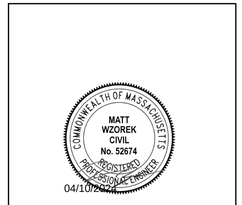
LOCATION MAP
SCALE: 1" = 500'

PREPARED BY:

Tighe&Bond



JOSEPH P. VIAMARI JR, PE



MATTHEW P. WZOREK, PE

PREPARED FOR:

TOWN OF DUDLEY

JONATHAN RUDA, TOWN ADMINISTRATOR

MASSWORKS INFRASTRUCTURE PROGRAM

MASSACHUSETTS EXECUTIVE OFFICE OF HOUSING AND ECONOMIC DEVELOPMENT
1 ASHBURTON PLACE, ROOM 2101
BOSTON, MA 02108

COMPLETE SET 33 SHEETS

Last Saved: 4/2/2024
Plotted On: Apr 10, 2024 - 11:53am By: NDay
Tighe & Bond J:\DUD\09011 Dudley\018 Stevens Mill MassWorks\Drawings_Figures\AutoCAD\Sheet\Cover.dwg

LEGEND

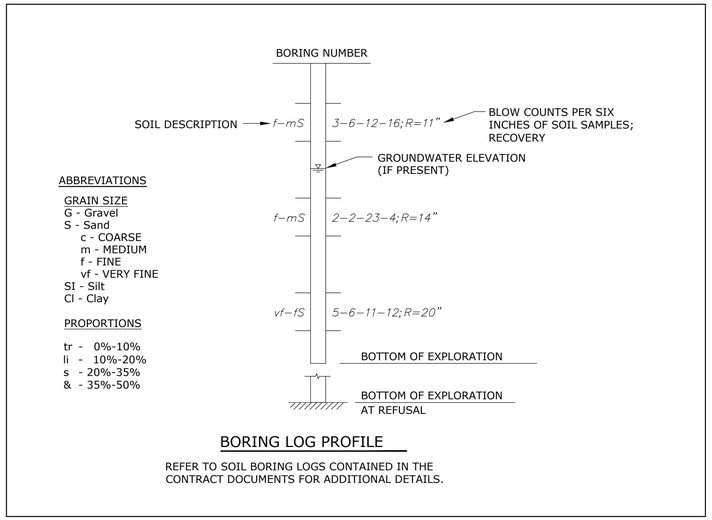
DESCRIPTION	EXISTING	PROPOSED
PROPERTY LINE		
RIGHT-OF-WAY LINE		
EASEMENT LINE		
LIMITS OF WORK		
INTERMEDIATE CONTOURS		
INDEX CONTOURS	25	25
SPOT GRADE	X 141.2	+ 32.0
STORM DRAIN	SD SD	
GRAVITY SANITARY SEWER	SS SS	SS SS
WATER SERVICE	W W	
UNDERGROUND ELECTRIC	E E	
TELEPHONE SERVICE	T T	
GAS SERVICE	G G	
CURB		
EDGE OF PAVEMENT		
SIDEWALK		
GUARDRAIL		
STORM DRAIN STRUCTURES	MANHOLE D CATCH BASIN CB	
SANITARY SEWER MANHOLE	S	
WATER SERVICE STRUCTURES	HYDRANT MANHOLE W VALVE	
GAS SERVICE STRUCTURES	MANHOLE G VALVE GO	
ELECTRIC SERVICE STRUCTURES	UTILITY CO. POLE # MANHOLE E LIGHT	
TELECOMMUNICATIONS MANHOLE	T	
TREELINE		
TREE	EVERGREEN DECIDUOUS	
SIGN		
TRAFFIC SIGNAL		
ELECTRIC HANDHOLE	HH	
SHUT OFF (UNKNOWN)	SO	
POST		
FLAG POLE	FP	
EMERGENCY CALL BOX	ECB	
IRRIGATION CONTROL VALVE	ICV	

ABBREVIATIONS

ABDN('D)	ABANDON(ED)
AC	ASBESTOS CEMENT PIPE
BC	BITUMINOUS CURB
BFP	BACK FLOW PREVENTOR
BIT	BITUMINOUS
BOC	BOTTOM OF CURB
BOT	BOTTOM
CB	CATCH BASIN
CEM	CEMENT
CI	CAST IRON PIPE
CL	CENTERLINE
CO	CLEAN OUT
CONC	CONCRETE
CPP	CORRUGATED POLYETHYLENE PIPE
CY	CUBIC YARD
DI	DUCTILE IRON PIPE
DIA	DIAMETER
DMH	DRAIN MANHOLE
E	EAST
EG	EXISTING GRADE
EL/ELEV	ELEVATION
ELEC	ELECTRIC
EMH	ELECTRIC MANHOLE
EOP	EDGE OF PAVEMENT
EXIST	EXISTING
G	GAS
GG	GAS GATE
GRAN	GRANITE
HC	HANDICAP
HDPE	HIGH DENSITY POLYETHYLENE
HSE	HOUSE
HMA	HOT MIX ASPHALT
HYD	HYDRANT
IN	INCHES
INV	INVERT
L	LENGTH OF CURB
LP	LIGHT POLE
LT	LEFT
MAX	MAXIMUM
MH	MANHOLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MON	MONUMENT
MTD	MOUNTED

ABBREVIATIONS CONT'D

MJ	MECHANICAL JOINT
N	NORTH
NITC	NOT IN THIS CONTRACT
NTS	NOT TO SCALE
N/A	NOT APPLICABLE
N/F	NOW OR FORMERLY
OC	ON CENTER
OCS	OUTLET CONTROL STRUCTURE
OH	OVERHEAD
PC	POINT OF CURVATURE
PCC	POINT OF COMPOUND CURVATURE
PCPP	PERFORATED CORRUGATED POLYETHYLENE PIPE
PERF	PERFORATED
PI	POINT OF INTERSECTION
PRC	POINT OF REVERSE CURVATURE
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	POINT OF TANGENCY
PVC	POLYVINYLCHLORIDE
PVMT	PAVEMENT
R	RADIUS
RCP	REINFORCED CONCRETE PIPE
RD	ROOF DRAIN
REV	REVISION
ROW	RIGHT OF WAY
RT	RIGHT
R&D	REMOVE AND DISPOSE OF
R&R	REMOVE AND RESET
R&S	REMOVE AND STACK
S	SOUTH
SAN	SANITARY
SCH	SCHEDULE
SF	SQUARE FOOT
SMH	SEWER MANHOLE
STA	STATION
TC	TOP OF CURB
TEL	TEL-DATA
TP	TEST PIT
TYP	TYPICAL
UP	UTILITY POLE
W	WATER
WG	WATER GATE
WV	WATER VALVE



BORING LOG PROFILE

REFER TO SOIL BORING LOGS CONTAINED IN THE CONTRACT DOCUMENTS FOR ADDITIONAL DETAILS.

LEGEND

RESOURCE AREAS	
VEGETATED WETLAND LIMIT	
100-FOOT BUFFER ZONE	
200-FOOT RIVERFRONT AREA	
25-FOOT WETLAND PROTECTION SET BACK (LOCAL)	
TOP OF BANK / MEAN ANNUAL HIGH WATER (MAHW)	
BORDERING LAND SUBJECT TO FLOODING (BLSF)	
100-FOOT BUFFER ZONE TO BLSF (LOCAL)	
WETLAND FLAG	WF –

LEGEND

DEMOLITION / GEOTECHNICAL	
EROSION & SEDIMENT CONTROL	
PAVEMENT SAWCUT LINE	
UTILITY TO BE DEMOLISHED	
ITEM TO BE DEMOLISHED	
TEST PIT	
MONITORING WELL	W
BORING	

Tighe&Bond

COMMONWEALTH OF MASSACHUSETTS
JOSEPH P VIAMARI JR.
CIVIL
No. 41776
REGISTERED PROFESSIONAL ENGINEER
04/11/2024

COMMONWEALTH OF MASSACHUSETTS
MATT WZOREK
CIVIL
No. 52674
REGISTERED PROFESSIONAL ENGINEER
04/10/2024

Stevens Mill Sewer and Sidewalk Replacement Project

Town of Dudley

Dudley,MA

MARK	DATE	DESCRIPTION
0	04/10/2024	ISSUED FOR BIDDING

PROJECT NO:	D5011-018
DATE:	04/2024
FILE:	Cover.dwg
DRAWN BY:	ND/ABS
CHECKED BY:	MPW
APPROVED BY:	JPV

LEGEND AND ABBREVIATIONS

SCALE: NO SCALE

G-002

GENERAL NOTES

1. NOTIFY DIGSAFE AT 1-888-344-7233 AND OTHER UTILITY OWNERS IN THE AREA NOT ON THE DIGSAFE LIST AT LEAST 72 HOURS PRIOR TO ANY DIGGING, TRENCHING, ROCK REMOVAL, DEMOLITION, BORING, BACKFILLING, GRADING, LANDSCAPING, OR ANY OTHER EARTH MOVING OPERATIONS.
2. LOCATIONS OF EXISTING UTILITIES ARE APPROXIMATE. IN ADDITION, SOME UTILITIES MAY NOT BE SHOWN. DETERMINE THE EXACT LOCATION OF UTILITIES BY TEST PIT OR OTHER METHODS, AS NECESSARY TO PREVENT DAMAGE TO UTILITIES AND/OR INTERRUPTIONS IN UTILITY SERVICE. PERFORM TEST PIT EXCAVATIONS AND OTHER INVESTIGATIONS TO LOCATE UTILITIES, AND PROVIDE THIS INFORMATION TO THE ENGINEER, PRIOR TO CONSTRUCTING THE PROPOSED IMPROVEMENTS. LOCATE ALL EXISTING UTILITIES TO BE CROSSED BY HAND EXCAVATION.
3. NOT ALL OF THE UTILITY SERVICES TO BUILDINGS ARE SHOWN. THE CONTRACTOR SHALL ANTICIPATE THAT EACH PROPERTY HAS SERVICE CONNECTIONS FOR THE VARIOUS UTILITIES.
4. BOLD TEXT AND LINES INDICATE PROPOSED WORK. LIGHT TEXT AND LINES INDICATE APPROXIMATE EXISTING CONDITIONS.
5. TIGHE & BOND ASSUMES NO RESPONSIBILITY FOR ANY ISSUES, LEGAL OR OTHERWISE, RESULTING FROM CHANGES MADE TO THESE DRAWINGS WITHOUT WRITTEN AUTHORIZATION FROM TIGHE & BOND.
6. EXCAVATE ADDITIONAL TEST PITS TO LOCATE EXISTING UTILITIES AS DIRECTED OR APPROVED BY THE ENGINEER.
7. NOTIFY THE ENGINEER OF ANY UTILITIES IDENTIFIED DURING CONSTRUCTION THAT ARE NOT SHOWN ON THE DRAWINGS OR THAT DIFFER IN SIZE OR MATERIAL.
8. THE CONTRACTOR IS RESPONSIBLE FOR SITE SAFETY; COORDINATION WITH THE OWNER, ALL SUBCONTRACTORS, AND WITH OTHER CONTRACTORS WORKING WITHIN THE LIMITS OF WORK, AND THE MEANS AND METHODS OF CONSTRUCTING THE PROPOSED WORK.
9. OBTAIN, PAY FOR AND COMPLY WITH PERMITS, NOTICES, AND FEES NECESSARY TO COMPLETE THE WORK. ARRANGE AND PAY FOR NECESSARY INSPECTIONS AND APPROVALS FROM THE JURISDICTIONAL AUTHORITIES.
10. SHORE UTILITY TRENCHES WHERE FIELD CONDITIONS DICTATE AND/OR WHERE REQUIRED BY LOCAL, STATE, AND FEDERAL HEALTH AND SAFETY CODES.
11. FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO CONSTRUCTION. IF FIELD CONDITIONS ARE OBSERVED THAT VARY SIGNIFICANTLY FROM THOSE SHOWN ON THE DRAWINGS, IMMEDIATELY NOTIFY THE ENGINEER IN WRITING FOR RESOLUTION OF THE CONFLICTING INFORMATION.
12. PROTECT AND MAINTAIN ALL UTILITIES IN THE AREAS UNDER CONSTRUCTION DURING THE WORK. LEAVE ALL PIPES AND STRUCTURES WITHIN THE LIMITS OF THE CONTRACT IN A CLEAN AND OPERABLE CONDITION AT THE COMPLETION OF THE WORK. TAKE ALL NECESSARY PRECAUTIONS TO PREVENT SAND AND SILT FROM DISTURBED AREAS FROM ENTERING THE DRAINAGE SYSTEM.
13. NOTIFY THE ENGINEER IN WRITING OF ANY CONFLICT, ERROR, AMBIGUITY, OR DISCREPANCY WITH THE PLANS OR BETWEEN THE PLANS AND ANY APPLICABLE LAW, REGULATION, CODE, STANDARD SPECIFICATION, OR MANUFACTURER'S INSTRUCTIONS.
14. THE CONTRACTOR IS RESPONSIBLE FOR SUPPORT OF EXISTING UTILITIES AND REPAIR OR REPLACEMENT COSTS OF UTILITIES DAMAGED DURING CONSTRUCTION, WHETHER ABOVE OR BELOW GRADE. REPLACE DAMAGED UTILITIES IMMEDIATELY AT NO ADDITIONAL COST TO THE OWNER AND AT NO COST TO THE PROPERTY OWNER.
15. TAKE NECESSARY MEASURES AND PROVIDE CONTINUOUS BARRIERS OF SUFFICIENT TYPE, SIZE, AND STRENGTH TO PREVENT ACCESS TO ALL WORK AND STAGING AREAS AT THE COMPLETION OF EACH DAYS WORK.
16. NO OPEN TRENCHES WILL BE ALLOWED OVER NIGHT. THE USE OF ROAD PLATES TO PROTECT THE EXCAVATION WILL BE CONSIDERED UPON REQUEST, BUT BACKFILLING IS PREFERRED.
17. THE CONTRACTOR IS RESPONSIBLE FOR ALL NECESSARY TRAFFIC CONTROL/SAFETY DEVICES TO ENSURE SAFE VEHICULAR AND PEDESTRIAN ACCESS THROUGH THE WORK AREA, OR FOR SAFELY IMPLEMENTING DETOURS AROUND THE WORK AREA. PERFORM TRAFFIC CONTROL IN ACCORDANCE WITH THE CONTRACTOR'S APPROVED TRAFFIC CONTROL PLAN.
18. MAINTAIN EMERGENCY ACCESS TO ALL PROPERTIES WITHIN THE PROJECT AREA AT ALL TIMES DURING CONSTRUCTION.
19. WHEN WORKING IN THE ROAD, PROVIDE THE OWNER AND LOCAL FIRE/POLICE/SCHOOL AUTHORITIES A DETAILED PLAN OF APPROACH INDICATING METHODS OF PROPOSED TRAFFIC ROUTING ON A DAILY BASIS. PROVIDE COORDINATION TO ENSURE COMMUNICATION AND COORDINATION BETWEEN THE OWNER, CONTRACTOR AND LOCAL FIRE/POLICE/SCHOOL AUTHORITIES THROUGHOUT THE CONSTRUCTION PERIOD.
20. REMOVE AND DISPOSE OF ALL CONSTRUCTION-RELATED WASTE MATERIALS AND DEBRIS IN STRICT ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL LAWS.
21. THE TERM "DEMOLISH" USED ON THE DRAWINGS MEANS TO REMOVE AND DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REQUIREMENTS.
22. THE TERM "ABANDON" USED ON THE DRAWINGS MEANS TO LEAVE IN PLACE AND TAKE APPROPRIATE MEASURES TO DECOMMISSION AS SPECIFIED OR NOTED ON THE DRAWINGS.
23. ALL PROPOSED WORK MAY BE ADJUSTED IN THE FIELD BY THE OWNER'S PROJECT REPRESENTATIVE TO MEET EXISTING CONDITIONS.

SEWER / DRAINAGE SYSTEM IMPROVEMENTS NOTES

1. LOCATIONS OF PROPOSED SANITARY SEWER MAINS, SANITARY SEWER SERVICES, AND STRUCTURES ARE APPROXIMATE AND MAY BE ADJUSTED DURING CONSTRUCTION AFTER INVESTIGATIVE WORK. FINAL SANITARY SEWER MAIN LOCATIONS, AND ASSOCIATED STRUCTURES, WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
2. ADJUSTMENTS TO THE PROPOSED SANITARY SEWER LAYOUTS AND ELEVATIONS SHALL NOT BE CONSIDERED CAUSE FOR ADDITIONAL PAYMENTS. THE CONTRACTOR SHALL NOT MAKE PROPOSED SANITARY SEWER/ STORM DRAIN LAYOUT AND ELEVATION ADJUSTMENTS WITHOUT APPROVAL FROM THE ENGINEER.
3. MANHOLES SHALL BE 48-INCH DIAMETER, UNLESS NOTED OTHERWISE.
4. PROPOSED SANITARY SEWER SERVICE LATERALS FOR NEW SERVICES SHALL BE 6-INCH DIAMETER PVC, UNLESS NOTED OTHERWISE, AND INSTALLED FROM THE PROPOSED SANITARY SEWER MAIN TO THE PROPERTY LINE FOR EACH PROPERTY IDENTIFIED AS REQUIRING A SANITARY SEWER SERVICE ON THE DRAWINGS. PROVIDE A PVC CLEANOUT AND CAP AT THE PROPERTY LINE.
5. PROPOSED SANITARY SEWER CONNECTIONS TO EXISTING SERVICE LATERALS SHALL BE PVC AND SHALL MATCH THE SIZE OF THE EXISTING SERVICE, CONNECT TO EXISTING SERVICE AT PROPERTY LINE WITH A PVC CLEANOUT.
6. MINIMUM PITCH FOR SERVICE LATERALS SHALL BE ¼ INCH PER FOOT, UNLESS OTHERWISE APPROVED BY THE ENGINEER.
7. DISTANCES AND SLOPES OF PROPOSED SANITARY SEWERS ARE BASED ON DISTANCES FROM CENTERLINE TO CENTERLINE OF STRUCTURES.
8. THERE ARE PROPERTIES WITHIN THE PROJECT AREA FOR WHICH THE LOCATION OF THE SANITARY SEWER SERVICE IS UNKNOWN. AT THESE PROPERTIES, THERE IS EITHER NO AVAILABLE INFORMATION ON THE SANITARY SEWER SERVICE OR THERE ARE MULTIPLE SANITARY SEWER SERVICES IN FRONT OF THE PROPERTY. AT THESE LOCATIONS, THE FOLLOWING PROCEDURES SHALL BE FOLLOWED:
   - WHERE THE SANITARY SEWER SERVICE LATERAL(S) FOR A PROPERTY WILL BE CROSSED/EXPOSED DURING THE INSTALLATION OF THE PROPOSED SANITARY SEWER MAIN, LOCATE/INVESTIGATE THE LATERAL(S) DURING CONSTRUCTION OF THE PROPOSED SANITARY SEWER MAIN. THIS WORK SHALL BE INCIDENTAL TO THE PIPELINE EXCAVATION.
   - WHERE THE SANITARY SEWER SERVICE LATERAL(S) TO A PROPERTY WILL NOT BE CROSSED DURING EXCAVATION FOR THE PROPOSED SANITARY SEWER MAIN, CONDUCT A SERVICE INVESTIGATION IN ACCORDANCE WITH THE CONTRACT DOCUMENTS PRIOR TO CONSTRUCTION OF THE PROPOSED SANITARY SEWER MAIN AT THIS LOCATION.
13. MAINTAIN UNINTERRUPTED SANITARY SEWER SERVICE DURING CONSTRUCTION. PROVIDE BYPASS PUMPING OF SEWAGE FLOWS AND/OR TEMPORARY CONNECTIONS, AS NECESSARY.
14. MAINTAIN A MINIMUM HORIZONTAL DISTANCE OF AT LEAST 10 FEET FROM ANY EXISTING OR PROPOSED WATER MAIN. IF SITE CONDITIONS PREVENT A HORIZONTAL SEPARATION OF 10 FEET, A LESSER DISTANCE WILL BE ALLOWED IF THE SANITARY SEWER/STORM DRAIN IS CONSTRUCTED IN A SEPARATE TRENCH WITH THE TOP OF THE SANITARY SEWER AT LEAST 18 INCHES BELOW THE BOTTOM OF THE WATER MAIN.
15. WHENEVER A PROPOSED SANITARY SEWER MUST CROSS A WATER MAIN, CONSTRUCT THE SANITARY SEWER/STORM DRAIN SO THE TOP OF THE SANITARY SEWER/STORM DRAIN IS AT LEAST 18 INCHES BELOW THE BOTTOM OF THE WATER MAIN. THE SANITARY SEWER JOINTS SHALL BE EQUIDISTANT AND LOCATED AS FAR AWAY AS POSSIBLE FROM THE WATER MAIN JOINTS. WHEN THE PROPOSED SANITARY SEWER CANNOT MEET THE ABOVE REQUIREMENTS, ENCASE THE PROPOSED SANITARY SEWER IN CONCRETE.

UTILITY CONTACTS

GAS	NATIONAL GRID	MELISSA OWENS, 781-907-2845
ELECTRIC	NATIONAL GRID	JACK SARAIVA, 508-962-6298
CABLE	CHARTER	RICK MOLNAR, 774-243-9789
WATER-SEWER	DUDLEY WATER-SEWER SUPERINTENDENT	GEORGE PATRINOS, 508-949-8007
TELEPHONE	VERIZON	KAREN MEALEY, 774-409-3160
DUDLEY HIGHWAY DEPARTMENT		508-949-8020
DUDLEY POLICE DEPARTMENT		508-943-4411
DUDLEY FIRE DEPARTMENT		508-949-8040

EROSION CONTROL NOTES

1. PROVIDE ALL EROSION CONTROL MEASURES SHOWN, SPECIFIED, REQUIRED BY PERMIT, AND/OR REQUIRED BY THE ENGINEER PRIOR TO ANY CONSTRUCTION OR IMMEDIATELY UPON REQUEST. MAINTAIN SUCH CONTROL MEASURES UNTIL FINAL SURFACE TREATMENTS ARE IN PLACE AND/OR UNTIL PERMANENT VEGETATION IS ESTABLISHED. INSPECT AFTER EACH RAINSTORM AND DURING MAJOR STORM EVENTS TO CONFIRM THAT ALL SEDIMENTATION AND EROSION CONTROL MEASURES REQUIRED ARE IN PLACE AND EFFECTIVE.
2. INSTALL SILT SACKS OR OTHER APPROVED SEDIMENTATION BARRIERS IN/AT ALL CATCH BASINS IN THE PROJECT AREA.
3. COMPACT, STABILIZE, AND LOAM AND SEED SIDE SLOPES, SHOULDER AREAS AND DISTURBED VEGETATED AREAS IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND AS REQUIRED BY PERMITS. GRADE SIDE SLOPES, SHOULDER AREAS AND DISTURBED VEGETATED AREAS TO A MAXIMUM SLOPE OF 3 HORIZONTAL TO 1 VERTICAL (3H:1V), WHERE POSSIBLE. PROVIDE BIODEGRADABLE EROSION CONTROL BLANKETS TO PREVENT EROSION WHERE SLOPES ARE STEEPER THAN 3H:1V.
4. SETTLE OR FILTER ALL SILT-LADEN WATER FROM DEWATERING ACTIVITIES IN A SEDIMENTATION OR FILTER BAG TO REMOVE SEDIMENTS PRIOR TO RELEASE USING A SEDIMENTATION OR FILTER BAG LOCATED DOWN-GRADIENT OF THE DEWATERED AREA.
5. UTILIZE APPROPRIATE DEWATERING SYSTEMS AND TECHNIQUES TO MAINTAIN EXCAVATIONS SUFFICIENTLY DRY FROM GROUNDWATER AND/OR SURFACE RUNOFF SO AS NOT TO ADVERSELY AFFECT CONSTRUCTION PROCEDURES OR CAUSE EXCESSIVE DISTURBANCE OF UNDERLYING NATURAL GROUND.
6. WATER FROM THE TRENCHES AND EXCAVATIONS SHALL BE DISPOSED OF IN SUCH A MANNER AS TO AVOID PUBLIC NUISANCE, INJURY TO PUBLIC HEALTH OR THE ENVIRONMENT, DAMAGE TO PUBLIC OR PRIVATE PROPERTY, OR DAMAGE TO THE WORK COMPLETED OR IN PROGRESS. DO NOT DISCHARGE WATER INTO ANY SANITARY SEWER SYSTEM. SILTATION BARRIERS SHALL BE UTILIZED AS NECESSARY.
7. WATER FROM TRENCHES AND EXCAVATIONS SHALL NOT BE DISCHARGED DIRECTLY TO STORM DRAIN SYSTEMS. PROPER DISCHARGE TO SEDIMENTATION AREAS IS TO TAKE PLACE PRIOR TO DISCHARGE TO ANY DRAINAGE SYSTEM.
8. PRECAUTIONS SHALL BE TAKEN TO PROTECT NEW WORK FROM FLOODING DURING STORMS. GRADING IN THE AREAS SURROUNDING ALL EXCAVATIONS SHALL BE PROPERLY SLOPED TO PREVENT WATER FROM RUNNING INTO THE EXCAVATED AREA OR TO ADJACENT PROPERTIES. WHERE REQUIRED, TEMPORARY DITCHES SHALL BE PROVIDED FOR DRAINAGE. UPON COMPLETION OF THE WORK AND WHEN DIRECTED, ALL AREAS SHALL BE RESTORED IN A SATISFACTORY MANNER.
9. REMOVE AND PROPERLY DISPOSE OF SILT TRAPPED AT BARRIERS IN UPLAND AREAS OUTSIDE BUFFER ZONES.
10. THE AREAS OF CONSTRUCTION SHALL REMAIN IN A STABLE CONDITION AT THE CLOSE OF EACH CONSTRUCTION DAY. EROSION CONTROLS SHALL BE CHECKED AT THIS TIME AND MAINTAINED OR REINFORCED IF NECESSARY. SWEEP, COLLECT, REMOVE AND DISPOSE OF ANY SEDIMENT TRACKED ONTO PUBLIC RIGHT-OF-WAYS AT THE END OF EACH DAY.
11. LOAM AND SEED ALL DISTURBED VEGETATED AREAS TO ESTABLISH COVER AND STABILIZATION AS SOON AS POSSIBLE FOLLOWING DISTURBANCE.
12. TEMPORARY STOCKPILES OF MATERIALS RELATED TO THE CONSTRUCTION ACTIVITIES ARE TO BE PROPERLY STABILIZED, PROTECTED AND DEMARCATED TO PREVENT MOVEMENT OF MATERIAL INTO THE STORM DRAIN SYSTEM OR ON TO ADJACENT PROPERTIES.
13. MAINTAIN AN ADDITIONAL SUPPLY OF EROSION CONTROL MEASURES ON-SITE FOR EMERGENCY REPAIRS.
14. REFUELING AND ANY WORK ASSOCIATED WITH THE MAINTENANCE OF CONSTRUCTION EQUIPMENT SHALL BE PERFORMED IN COMPLIANCE WITH ALL PERTINENT REGULATIONS.
15. STORE FUEL, OIL, PAINT, OR OTHER HAZARDOUS MATERIALS IN A SECONDARY CONTAINER AND REMOVE TO A SECURE LOCKED AND COVERED AREA DURING NON-WORK HOURS.
16. PROVIDE A SUPPLY OF ABSORBENT SPILL RESPONSE MATERIALS SUCH AS BOOMS, BLANKETS, AND OIL ABSORBENT MATERIALS AT THE CONSTRUCTION SITE AT ALL TIMES TO CLEAN UP POTENTIAL SPILLS OF HAZARDOUS MATERIALS. IMMEDIATELY REPORT SPILLS OF HAZARDOUS MATERIALS TO THE STATE ENVIRONMENTAL AGENCY AND THE MUNICIPALITY WHERE THE WORK IS OCCURRING.

BASE PLAN NOTES

1. THE EXISTING CONDITIONS INFORMATION SHOWN ON THE DRAWINGS IS BASED ON THE FOLLOWING:
   - SURVEY DRAWINGS PROVIDED BY SHERMAN & FRYDRYK, LLC TITLED EXISTING CONDITIONS PLAN AND DATED JANUARY 21, 2021 AND APRIL 27, 2022.
   - FIELD INVESTIGATIONS PERFORMED BY TIGHE & BOND ON JUNE 24 AND 29, AND JULY 21, 2022.
2. UTILITY LOCATIONS SHOWN WERE PLOTTED FROM INFORMATION SUPPLIED BY RESPECTIVE UTILITY COMPANIES AND DATA OBTAINED FROM FIELD SURVEYS AND RECORD DRAWINGS. THE ACCURACY AND COMPLETENESS OF SUBSURFACE INFORMATION SHOWN ON THESE DRAWINGS IS NOT GUARANTEED. DETERMINE THE LOCATIONS AND ELEVATIONS OF ALL UTILITIES WHICH MAY AFFECT CONSTRUCTION OPERATIONS.
3. SUB-SURFACE EXPLORATIONS WERE PERFORMED BY MARTIN GEO-ENVIRONMENTAL, LLC ON AUGUST 16, 2022. BORING LOCATIONS SHOWN ON THE DRAWINGS ARE APPROXIMATE AND BORING INFORMATION IS NOT GUARANTEED IN ANY WAY TO REPRESENT EXISTING CONDITIONS. BORING LOGS ARE INCLUDED IN THE PROJECT MANUAL FOR THE CONTRACTORS INFORMATION ONLY.
4. THE DRAWINGS ARE BASED ON THE FOLLOWING DATUMS: HORIZONTAL - NAD83 ; VERTICAL - NAVD88
5. THE EXISTING CONDITIONS SHOWN ARE APPROXIMATE. FIELD VERIFY EXISTING CONDITIONS.
6. THE PROPERTY LINES SHOWN ON THE DRAWINGS ARE APPROXIMATE AND ARE NOT BASED ON DEED OR PLAN RESEARCH.

SURFACE RESTORATION NOTES

1. ALL PAVEMENT DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPLACED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
2. PROVIDE SITE GRADING AT HANDICAPPED RAMPS, SIDEWALKS, AND BUILDING ENTRANCES THAT IS CONSISTENT WITH THE RELEVANT ACCESS REQUIREMENTS OF THE ARCHITECTURAL BARRIERS ACT (ABA), THE AMERICANS WITH DISABILITIES ACT (ADA), AND MA ARCHITECTURAL ACCESS BOARD REQUIREMENTS (AAB). SMALL CHANGES IN GRADE OVER RELATIVELY SHORT DISTANCES (E.G. AT PARKING SPACES, ACCESSIBLE ROUTES, AND RAMPS) MIGHT NOT BE CLEARLY DEPICTED WITHIN THE CONTOUR INTERVAL SHOWN. COMPLY WITH THE CRITERIA IN THESE STANDARDS. SELECT MAXIMUM SLOPE CRITERIA ARE REPRODUCED BELOW:
   - ACCESSIBLE PARKING STALL AND PASSENGER LOADING ZONE (ANY DIRECTION) SLOPE < 2.0%
   - LONGITUDINAL SLOPE ALONG ACCESSIBLE ROUTES < 5.0%
   - CROSS SLOPE ALONG ACCESSIBLE ROUTES < 2.0%
   - WHEELCHAIR RAMP LONGITUDINAL SLOPE SHALL BE 7.5% WITH A CONSTRUCTION TOLERANCE OF 0.5%+. CROSS SLOPES SHALL BE LESS THAN 2%
   - LEVEL LANDING SLOPE SHALL BE LESS THAN 2% IN ANY DIRECTION
3. PROTECT PROJECT FEATURES (E.G., WALLS, FENCES, MAIL BOXES, SIGNS, SIDEWALKS, CURBING, STAIRS, WALKWAYS, TREES, ETC.) FROM DAMAGE DURING CONSTRUCTION, INCLUDING PROVIDING TEMPORARY SUPPORTS, WHEN APPROPRIATE.
4. IF REMOVAL OF PROJECT FEATURES IS REQUIRED IN ORDER TO PERFORM THE PROPOSED WORK, REMOVE THOSE SITE FEATURES ONLY UPON APPROVAL OF ENGINEER. REPLACE ALL REMOVED PROJECT FEATURES; NEW ITEMS SHALL BE EQUAL OR BETTER IN QUALITY AND CONDITION TO THE ITEMS REMOVED.
5. EXISTING SURVEY MONUMENTS DISTURBED BY THE CONTRACTOR SHALL BE REPLACED BY A LAND SURVEYOR LICENSED IN THE STATE IN WHICH THE WORK IS PERFORMED AT NO ADDITIONAL COST TO THE OWNER.
6. COORDINATE THE ADJUSTMENT OF EXISTING UTILITY STRUCTURES WITH EACH RESPONSIBLE UTILITY OWNER PRIOR TO RECONSTRUCTION AND/OR PAVING OPERATIONS. RAISE ALL STRUCTURES TO FINISHED GRADES PRIOR TO THE END OF THE CONSTRUCTION SEASON AND PRIOR TO FINISHED PAVING.
7. REPAIR DISTURBED PAVED SURFACES AT THE END OF EACH WORK WEEK, UNLESS OTHERWISE APPROVED/REQUIRED BY THE OWNER.
8. PLACE TEMPORARY BITUMINOUS CONCRETE PAVEMENT AT DISTURBED PORTLAND CEMENT CONCRETE SIDEWALKS AND DRIVEWAYS AT THE END OF EACH WORK WEEK, UNLESS OTHERWISE APPROVED/REQUIRED BY THE OWNER.
9. TRANSFER ALL TEMPORARY BENCHMARKS, AS NECESSARY.
10. ACCOMMODATE PEDESTRIAN TRAFFIC WHERE A SIDEWALK IS TO BE CLOSED FOR SAFETY. "SIDEWALK CLOSED HERE" SIGNS SHALL BE USED AT THE NEAREST SAFE INTERSECTION. SEE TRAFFIC CONTROL DETAILS FOR SIGN INFORMATION.
11. RESTORE ALL AREAS DISTURBED BY THE CONTRACTOR BEYOND THE PAYLINE LIMITS TO ORIGINAL CONDITIONS AT NO ADDITIONAL COST TO THE OWNER.
12. REGRADE ALL UNPAVED AREAS DISTURBED BY THE WORK AS REQUIRED. REPAIR/REPLACE PAVED SURFACES DISTURBED BY THE WORK IN-KIND, UNLESS OTHERWISE NOTED. RESTORE SURFACES TO EXISTING OR PROPOSED CONDITIONS AS INDICATED ON THE DRAWINGS.
13. PROVIDE A SMOOTH, FLUSH TRANSITION BETWEEN ALL NEW AND EXISTING PAVEMENTS AND WALKING SURFACES.

Tighe&Bond

COMMONWEALTH OF MASSACHUSETTS
JOSEPH P VIAMARI JR.
CIVIL
No. 41776
REGISTERED PROFESSIONAL ENGINEER
04/11/2024

COMMONWEALTH OF MASSACHUSETTS
MATT WZOREK
CIVIL
No. 52674
REGISTERED PROFESSIONAL ENGINEER
04/10/2024

Stevens Mill Sewer and Sidewalk Replacement Project

Town of Dudley

Dudley,MA

MARK	DATE	DESCRIPTION
0	04/10/2024	ISSUED FOR BIDDING

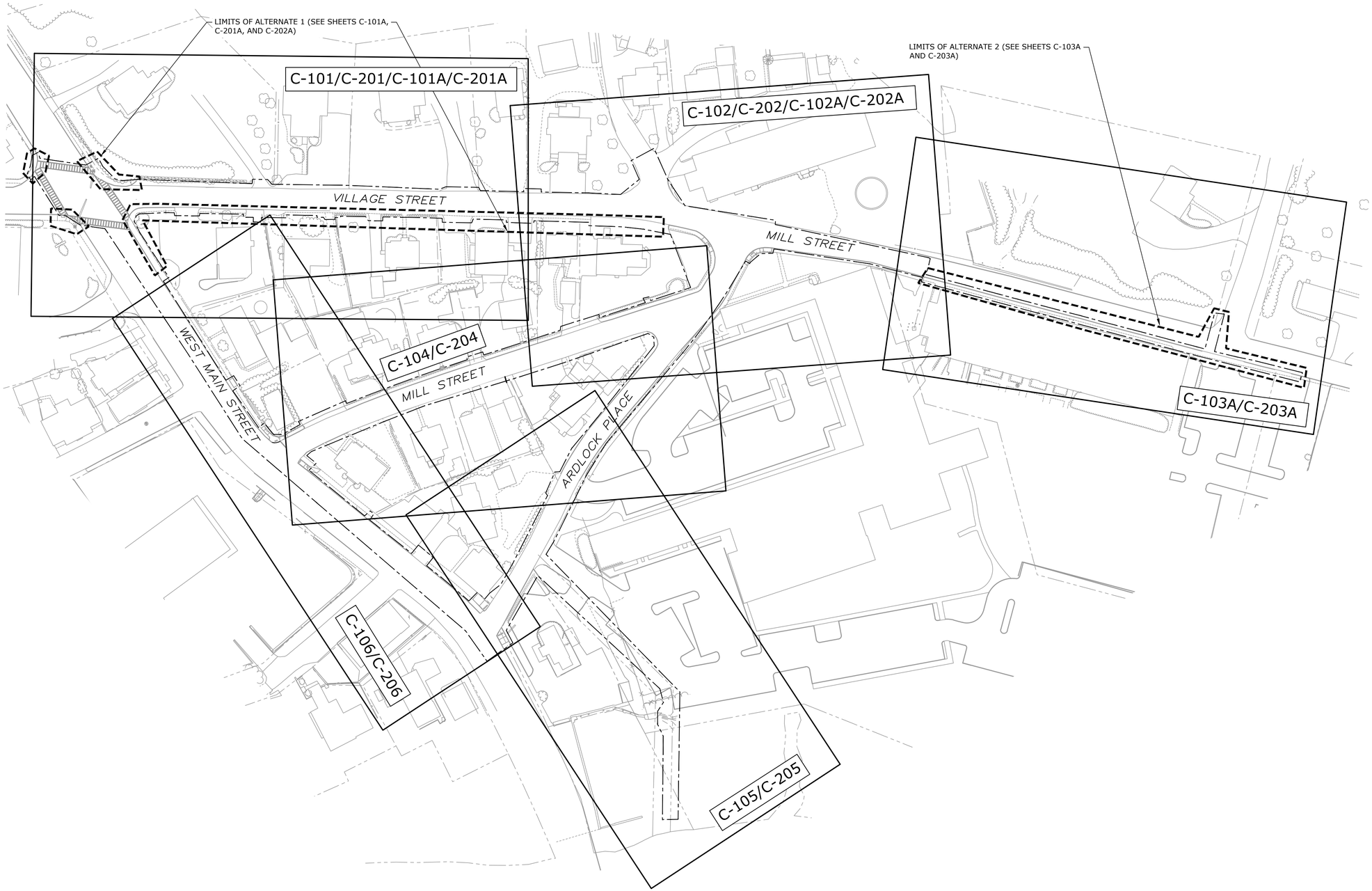
PROJECT NO:	D5011-018
DATE:	04/2024
FILE:	Cover.dwg
DRAWN BY:	ND/ABS
CHECKED BY:	MPW
APPROVED BY:	JPV

GENERAL NOTES

SCALE: NO SCALE

G-003

Last Saved: 4/2/2024
Plotted: Oct 10, 2024 - 11:53am By: NDay
Tighe & Bond: J:\D\D5011 Dudley\018 Stevens Mill MassWorks\Drawings_Figures\AutoCAD\SheetVCover.dwg



LEGEND

C-###	PLAN SHEET
— - — — - — — - — —	APPROX LIMITS OF BASE BID WORK
- - - - - - - - - - - -	APPROX LIMITS OF ALTERNATE WORK

0 60' 120'

SCALE: 1" = 60'

Tighe&Bond

COMMONWEALTH OF MASSACHUSETTS
JOSEPH P VIAMARI JR.
CIVIL
No. 41776
REGISTERED PROFESSIONAL ENGINEER
04/11/2024

COMMONWEALTH OF MASSACHUSETTS
MATT WZOREK
CIVIL
No. 52674
REGISTERED PROFESSIONAL ENGINEER
04/10/2024

Stevens Mill Sewer and Sidewalk Replacement Project

Town of Dudley

Dudley,MA

MARK	DATE	DESCRIPTION
0	04/10/2024	ISSUED FOR BIDDING

PROJECT NO:	D5011-018
DATE:	04/2024
FILE:	D5011-018 ExeCn.dwg
DRAWN BY:	ND/ABS
CHECKED BY:	MPW
APPROVED BY:	JPV

OVERALL SITE PLAN

SCALE: AS SHOWN

C-100

Last Saved: 4/9/2024
Plotted On: 4/9/2024 11:53am By: NDay
Tighe & Bond: J:\D\D5011 Dudley\018 Stevens Mill MassWorks\Drawings_Figures\AutoCAD\Sheet\D5011-018 ExeCn.dwg

N

GERALD FELS
34 WEST MAIN ST
PARCEL #: 117-68
BK: 8285 PG: 156
#34
SILL=465.05

DONNA KARAPATSAS TRUSTEE
1 VILLAGE ST
PARCEL #: 117-69
BK: 53397 PG: 69
#1

JAMES RUSSELL
3 VILLAGE ST
PARCEL #: 117-70
BK: 27375 PG: 319
#3
SILL=463.71

SOUTHBRIDGE RE LLC
5 VILLAGE ST
PARCEL #: 117-71
BK: 56076 PG: 261
#5
SILL=465.14

462

BIT. CONC.

MATCH LINE
SEE SHEET C-102/ C-102A

R&D BIT CONC SIDEWALK

SAWCUT, R&D BIT CONC
PAVEMENT FOR TRENCH (TYP)

VILLAGE STREET

12" W

WG

WC

R&D BIT CONC SIDEWALK,
CURB, AND DRIVEWAYS
(TYP)

CLEAR AND GRUB
EXISTING
VEGETATION (TYP)

T.B.M. #7
TOP SPINDLE OF HYDRANT
ELEV. = 459.78

FF=457.66
#32
("DIPPIN DONUTS")

DONNA KARAPATSAS
TRUSTEE
32 WEST MAIN ST
PARCEL #: 117-113
BK: 48908 PG: 174

#8
VINCENT MENOZE
8 VILLAGE ST
PARCEL #: 117-111
BK: 17933 PG: 371

#10
JAMES ALTIERY
10 VILLAGE ST
PARCEL #: 117-110
BK: 16626 PG: 106
SILL=463.53

#12
HPE REALTY LLC
12 VILLAGE ST
PARCEL #: 117-109
BK: 61683 PG: 327
SILL=464.87

PATRICIA MEZYNSKI
5 MILL ST
PARCEL #: 117-119
BK: 7291 PG: 198
#5

GRAVEL

456
458
460
462

SCARIFY PAVEMENT TO
REMOVE CROSSWALK
PAVEMENT MARKINGS (TYP)

LIMIT OF PAVEMENT
SAWCUT (TYP)

WEST MAIN STREET

MATCH LINE
SEE SHEET C-106

0 20' 40'
SCALE: 1" = 20'

Tighe&Bond

COMMONWEALTH OF MASSACHUSETTS
JOSEPH P VIAMARI JR.
CIVIL
No. 41776
REGISTERED PROFESSIONAL ENGINEER
04/11/2024

COMMONWEALTH OF MASSACHUSETTS
MATT WZOREK
CIVIL
No. 52674
REGISTERED PROFESSIONAL ENGINEER
04/10/2024

Stevens Mill Sewer and Sidewalk Replacement Project

Town of Dudley

Dudley,MA

MARK	DATE	DESCRIPTION
0	04/10/2024	ISSUED FOR BIDDING

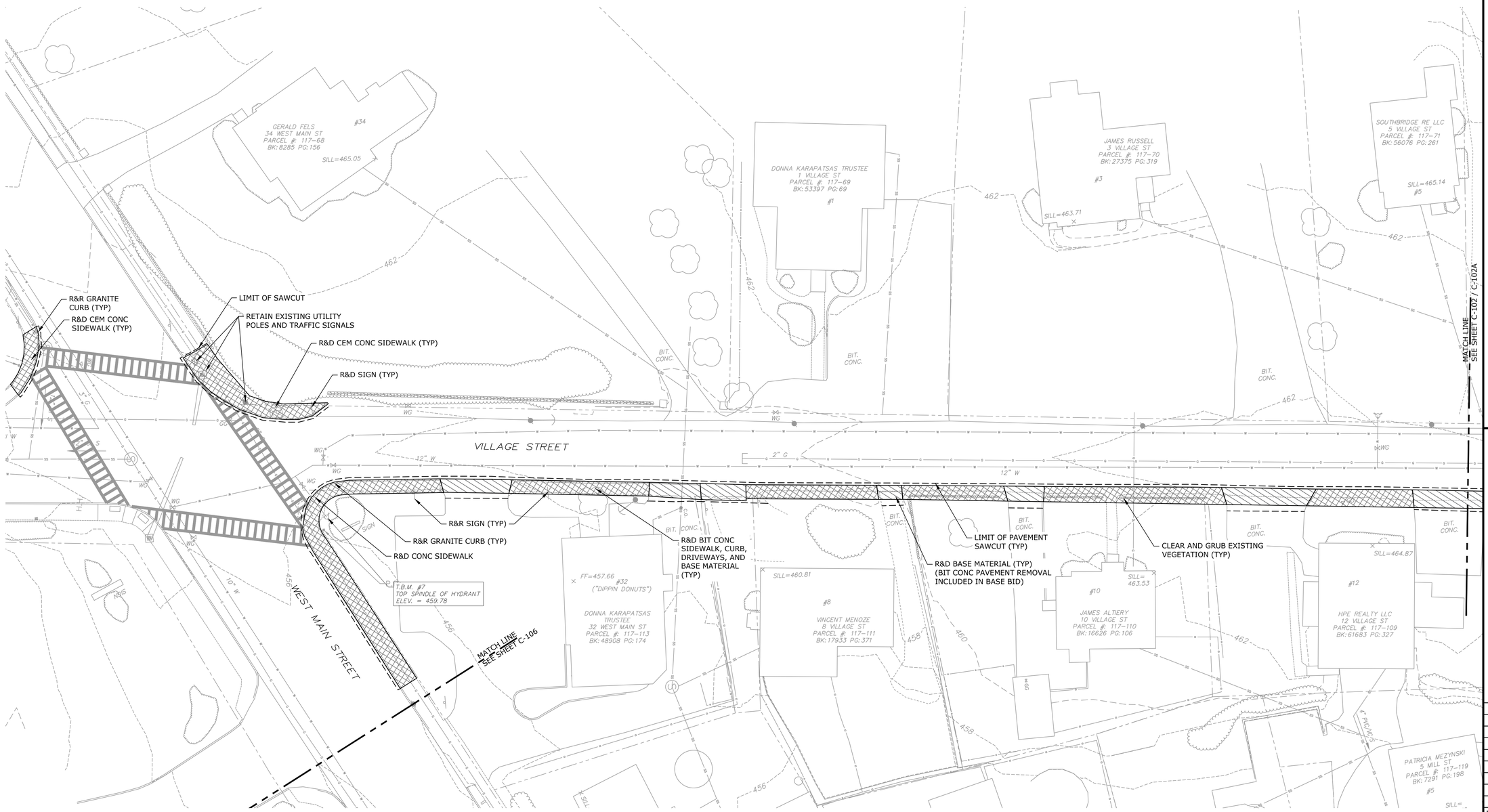
PROJECT NO:	D5011-018
DATE:	04/2024
FILE:	D5011-018 ExeCn.dwg
DRAWN BY:	ND/ABS
CHECKED BY:	MPW
APPROVED BY:	JPV

EXISTING CONDITIONS AND DEMOLITION PLAN - 1

SCALE: AS SHOWN

C-101

Last Saved: 4/9/2024
Plotted On: Apr 10, 2024-11:53am By: NDay
Tighe & Bond: J:\D\D5011 Dudley\018 Stevens Mill MassWorks\Drawings_ Figures\AutoCAD\Sheet\D5011-018 ExeCn.dwg



NOTE

1. ALL WORK SHOWN ON THIS SHEET IS TO BE INCLUDED IN BID ALTERNATE 1.

0 20' 40'

SCALE: 1" = 20'

Tighe&Bond

COMMONWEALTH OF MASSACHUSETTS
JOSEPH P VIAMARI JR.
CIVIL
No. 41776
REGISTERED PROFESSIONAL ENGINEER
04/11/2024

COMMONWEALTH OF MASSACHUSETTS
MATT WZOREK
CIVIL
No. 52674
REGISTERED PROFESSIONAL ENGINEER
04/10/2024

Stevens Mill Sewer and Sidewalk Replacement Project

Town of Dudley

Dudley,MA

MARK	DATE	DESCRIPTION
0	04/10/2024	ISSUED FOR BIDDING

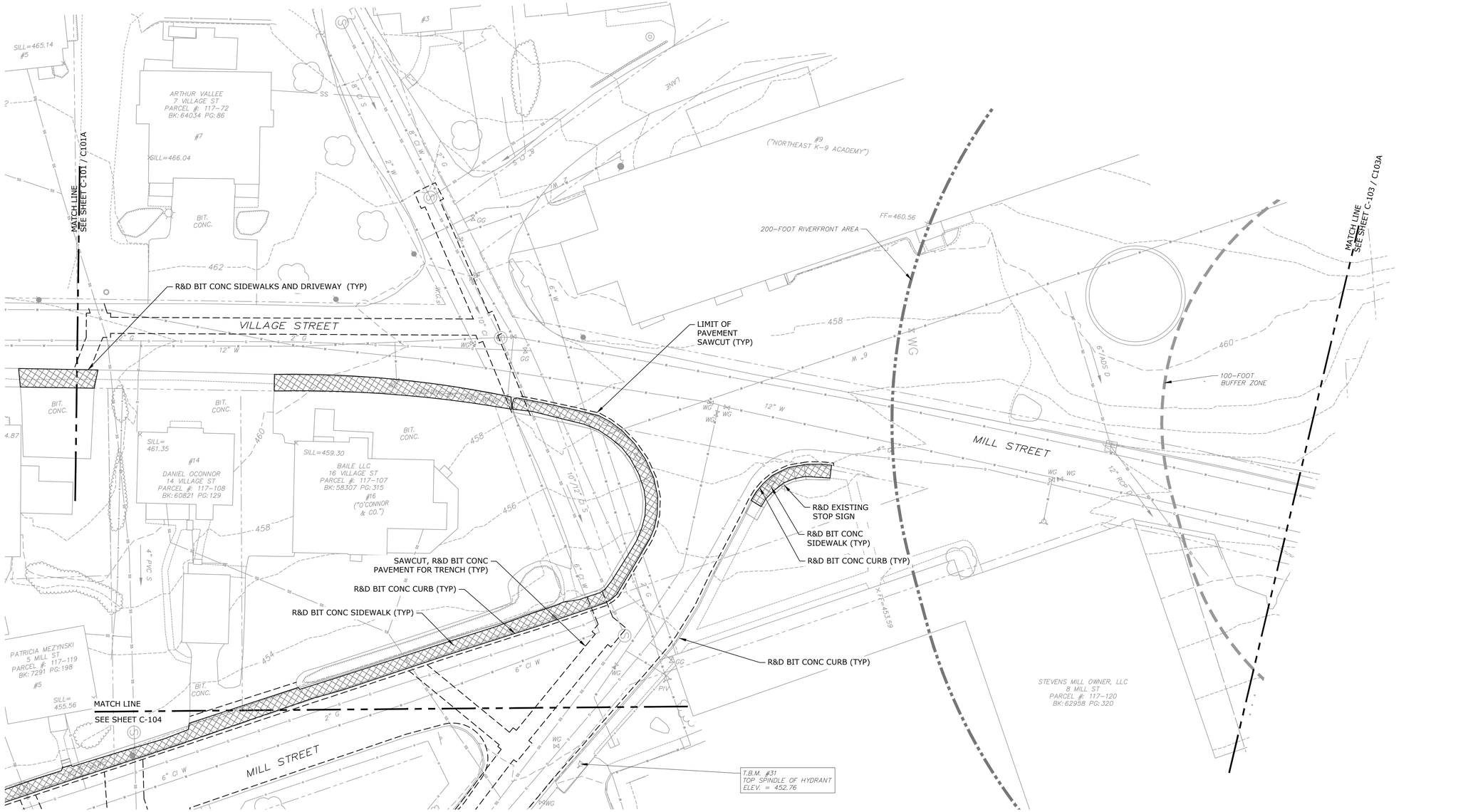
PROJECT NO:	D5011-018
DATE:	04/2024
FILE:	D5011-018 ExeCn.dwg
DRAWN BY:	ND/ABS
CHECKED BY:	MPW
APPROVED BY:	JPV

EXISTING CONDITIONS AND DEMOLITION PLAN - 1 ALTERNATE 1 SCOPE

SCALE: AS SHOWN

C-101A

Last Saved: 4/9/2024
Plotted: Thursday, Apr 10, 2024-11:53am By: NDay
Tighe & Bond: J:\D\D5011 Dudley\018 Stevens Mill MassWorks\Drawings_ Figures\AutoCAD\Sheet\D5011-018 ExeCn.dwg



Tighe&Bond

COMMONWEALTH OF MASSACHUSETTS
JOSEPH P VIANARI JR.
CIVIL
No. 41776
REGISTERED PROFESSIONAL ENGINEER
04/11/2024

COMMONWEALTH OF MASSACHUSETTS
MATT WZOREK
CIVIL
No. 52674
REGISTERED PROFESSIONAL ENGINEER
04/10/2024

Stevens Mill Sewer and Sidewalk Replacement Project

Town of Dudley

Dudley,MA

MARK	DATE	DESCRIPTION
0	04/10/2024	ISSUED FOR BIDDING

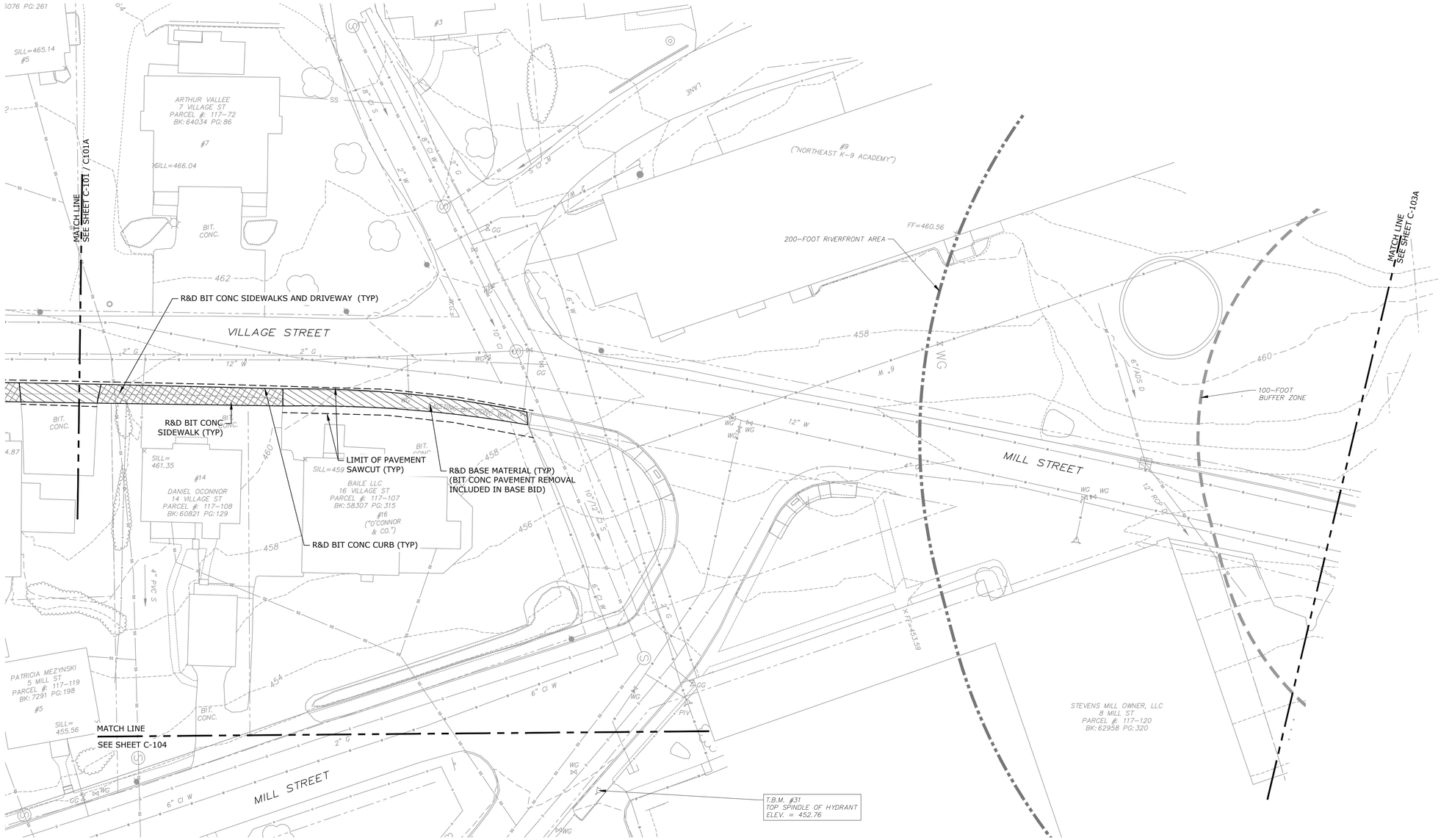
PROJECT NO:	D5011-018
DATE:	04/2024
FILE:	D5011-018 ExeCn.dwg
DRAWN BY:	ND/ABS
CHECKED BY:	MPW
APPROVED BY:	JPV

EXISTING CONDITIONS AND DEMOLITION PLAN - 2

SCALE: AS SHOWN

C-102

Last Saved: 4/9/2024
Plotted: Thursday, Apr 10, 2024 - 11:53am By: NDay
Tighe & Bond: J:\D\D5011 Dudley\018 Stevens Mill MassWork\Drawings_ Figures\AutoCAD\Sheet\D5011-018 ExeCn.dwg



NOTE

1. ALL WORK SHOWN ON THIS SHEET IS TO BE INCLUDED IN BID ALTERNATE 1.

0 20' 40'

SCALE: 1" = 20'

Tighe&Bond

COMMONWEALTH OF MASSACHUSETTS
JOSEPH P VIAMARI JR.
CIVIL
No. 41776
REGISTERED PROFESSIONAL ENGINEER
04/11/2024

COMMONWEALTH OF MASSACHUSETTS
MATT WZOREK
CIVIL
No. 52674
REGISTERED PROFESSIONAL ENGINEER
04/10/2024

Stevens Mill Sewer and Sidewalk Replacement Project

Town of Dudley

Dudley,MA

MARK	DATE	DESCRIPTION
0	04/10/2024	ISSUED FOR BIDDING

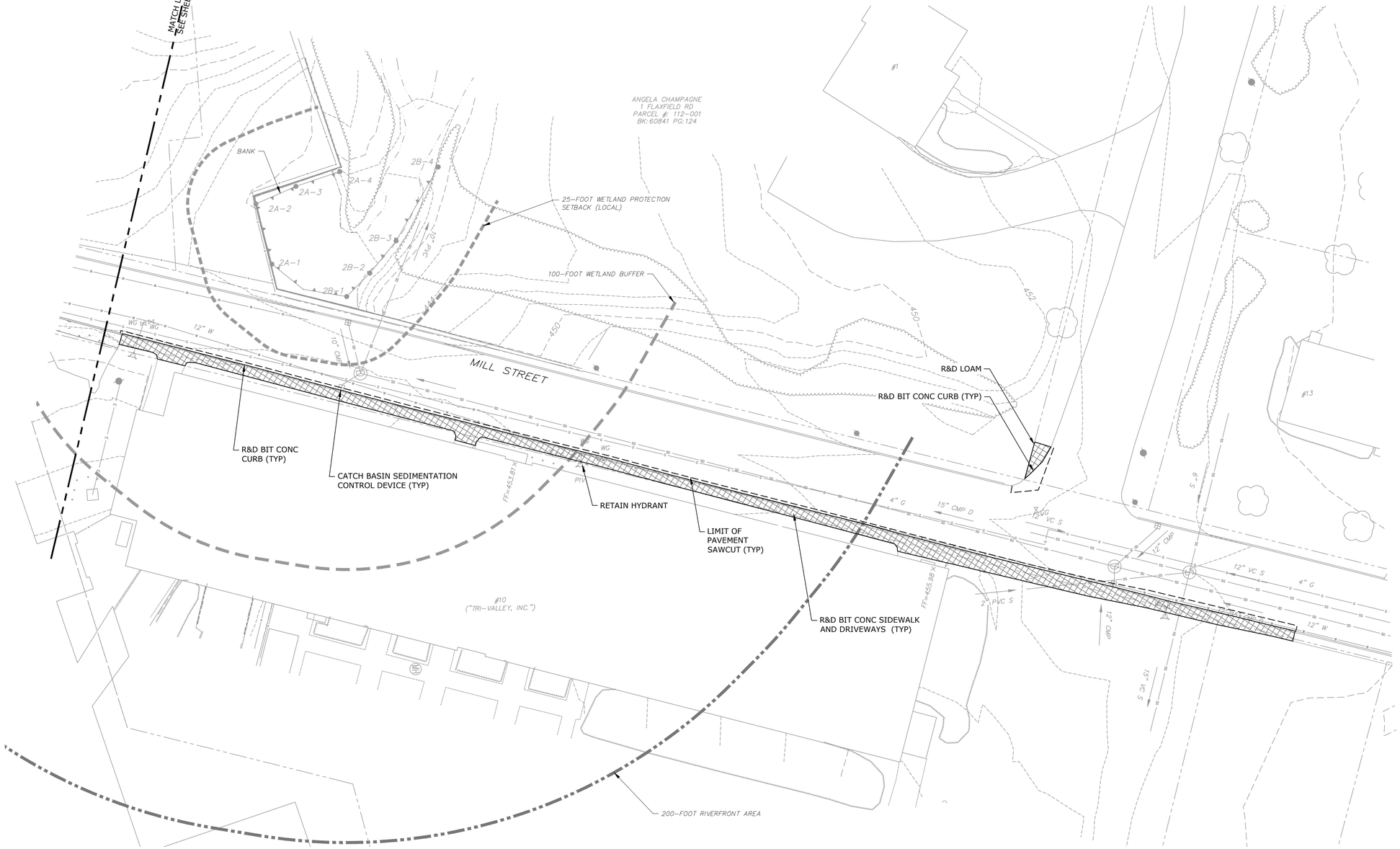
PROJECT NO:	D5011-018
DATE:	04/2024
FILE:	D5011-018 ExeCn.dwg
DRAWN BY:	ND/ABS
CHECKED BY:	MPW
APPROVED BY:	JPV

EXISTING CONDITIONS AND DEMOLITION PLAN - 2 ALTERNATE 1 SCOPE

SCALE: AS SHOWN

C-102A

Last Saved: 4/9/2024
Plotted: Apr 10, 2024-11:54am By: NDay
Tighe & Bond: J:\D\D5011 Dudley\018 Stevens Mill MassWork\Drawings_ Figures\AutoCAD\Sheet\D5011-018 ExeCn.dwg



NOTE

1. ALL WORK SHOWN ON THIS SHEET IS TO BE INCLUDED IN BID ALTERNATE 2.

Tighe&Bond

COMMONWEALTH OF MASSACHUSETTS
JOSEPH P VIAMARI JR.
CIVIL
No. 41776
REGISTERED PROFESSIONAL ENGINEER
04/11/2024

COMMONWEALTH OF MASSACHUSETTS
MATT WZOREK
CIVIL
No. 52674
REGISTERED PROFESSIONAL ENGINEER
04/10/2024

Stevens Mill Sewer and Sidewalk Replacement Project

Town of Dudley

Dudley,MA

MARK	DATE	DESCRIPTION
0	04/10/2024	ISSUED FOR BIDDING

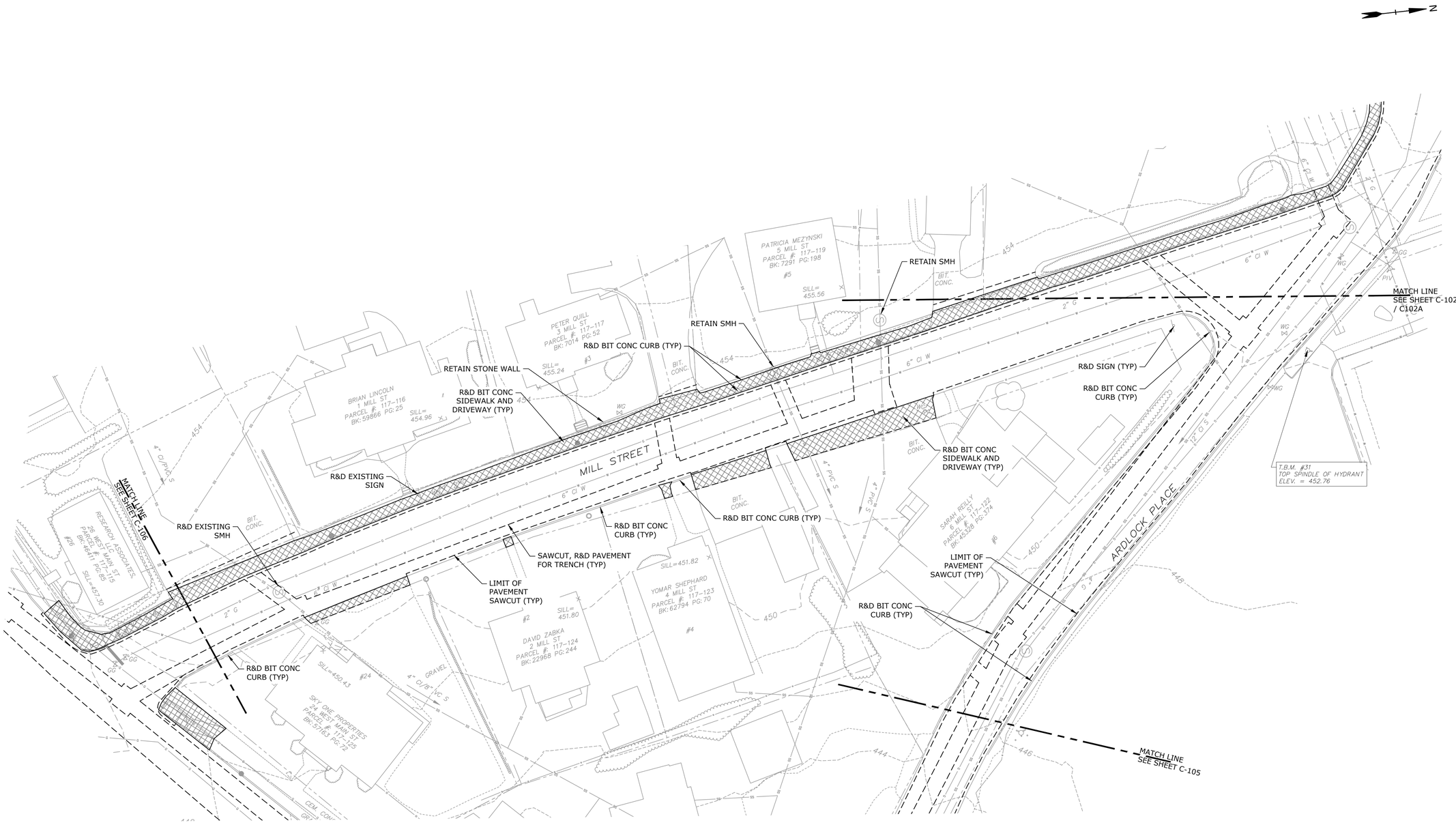
PROJECT NO:	D5011-018
DATE:	04/2024
FILE:	D5011-018 ExeCn.dwg
DRAWN BY:	ND/ABS
CHECKED BY:	MPW
APPROVED BY:	JPV

EXISTING CONDITIONS AND DEMOLITION PLAN - 3 ALTERNATE 2 SCOPE

SCALE: AS SHOWN

C-103A

Last Saved: 4/9/2024
Plotted: Oct 10, 2024-11:54am By: NDay
Tighe & Bond: J:\D\D5011 Dudley\018 Stevens Mill MassWorks\Drawings_Figures\AutoCAD\Sheet\D5011-018 ExeCn.dwg



0 20' 40'

SCALE: 1" = 20'

Tighe&Bond

COMMONWEALTH OF MASSACHUSETTS
JOSEPH P VIAMARI JR.
CIVIL
No. 41776
REGISTERED PROFESSIONAL ENGINEER
04/11/2024

COMMONWEALTH OF MASSACHUSETTS
MATT WZOREK
CIVIL
No. 52674
REGISTERED PROFESSIONAL ENGINEER
04/10/2024

Stevens Mill Sewer and Sidewalk Replacement Project

Town of Dudley

Dudley,MA

MARK	DATE	DESCRIPTION
0	04/10/2024	ISSUED FOR BIDDING

PROJECT NO:	D5011-018
DATE:	04/2024
FILE:	D5011-018 ExeCn.dwg
DRAWN BY:	ND/ABS
CHECKED BY:	MPW
APPROVED BY:	JPV

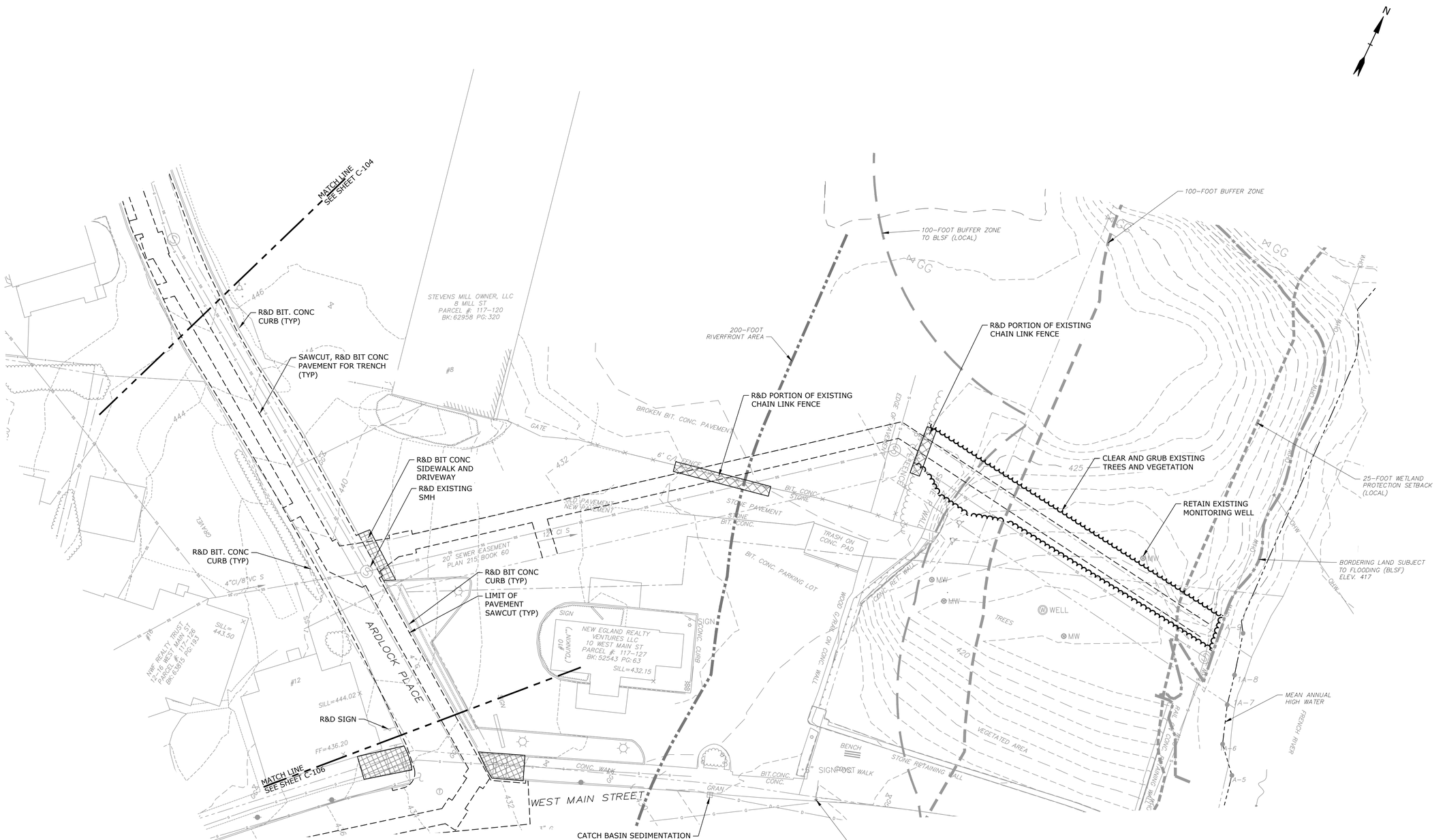
EXISTING CONDITIONS AND DEMOLITION PLAN - 4

SCALE: AS SHOWN

C-104

Last Saved: 4/9/2024
Plotted: Wed, Apr 10, 2024 - 11:54am By: NDay
Tighe & Bond: J:\D\D5011 Dudley\018 Stevens Mill MassWorks\Drawings_ Figures\AutoCAD\Sheet\D5011-018 ExeCn.dwg

Tighe&Bond



0 20' 40'

SCALE: 1" = 20'

JOSEPH P VIAMARI JR. CIVIL No. 41776 REGISTERED PROFESSIONAL ENGINEER
COMMONWEALTH OF MASSACHUSETTS
04/11/2024

MATT WZOREK CIVIL No. 52674 REGISTERED PROFESSIONAL ENGINEER
COMMONWEALTH OF MASSACHUSETTS
04/10/2024

Stevens Mill Sewer and Sidewalk Replacement Project

Town of Dudley

Dudley,MA

MARK	DATE	DESCRIPTION
0	04/10/2024	ISSUED FOR BIDDING

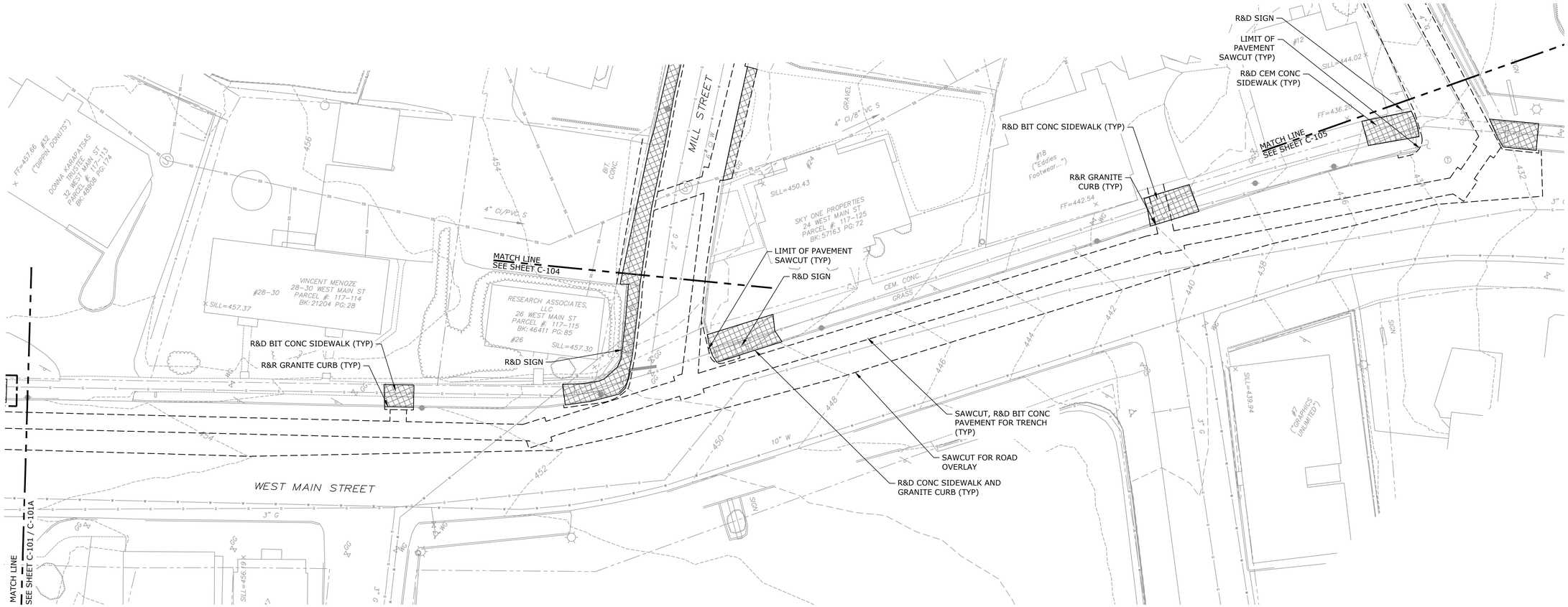
PROJECT NO:	D5011-018
DATE:	04/2024
FILE:	D5011-018 ExeCn.dwg
DRAWN BY:	ND/ABS
CHECKED BY:	MPW
APPROVED BY:	JPV

EXISTING CONDITIONS AND DEMOLITION PLAN - 5

SCALE: AS SHOWN

C-105

Last Saved: 4/9/2024
Plotted On: Apr 10, 2024 - 11:54am By: NDay
Tighe & Bond: J:\D\D5011 Dudley\018 Stevens Mill MassWorks\Drawings_ Figures\AutoCAD\Sheet\D5011-018 ExeCn.dwg



Tighe&Bond

COMMONWEALTH OF MASSACHUSETTS
JOSEPH P VIAMARI JR.
CIVIL
No. 41776
REGISTERED PROFESSIONAL ENGINEER
04/11/2024

COMMONWEALTH OF MASSACHUSETTS
MATT WZOREK
CIVIL
No. 52674
REGISTERED PROFESSIONAL ENGINEER
04/10/2024

Stevens Mill Sewer and Sidewalk Replacement Project

Town of Dudley

Dudley,MA

MARK	DATE	DESCRIPTION
0	04/10/2024	ISSUED FOR BIDDING

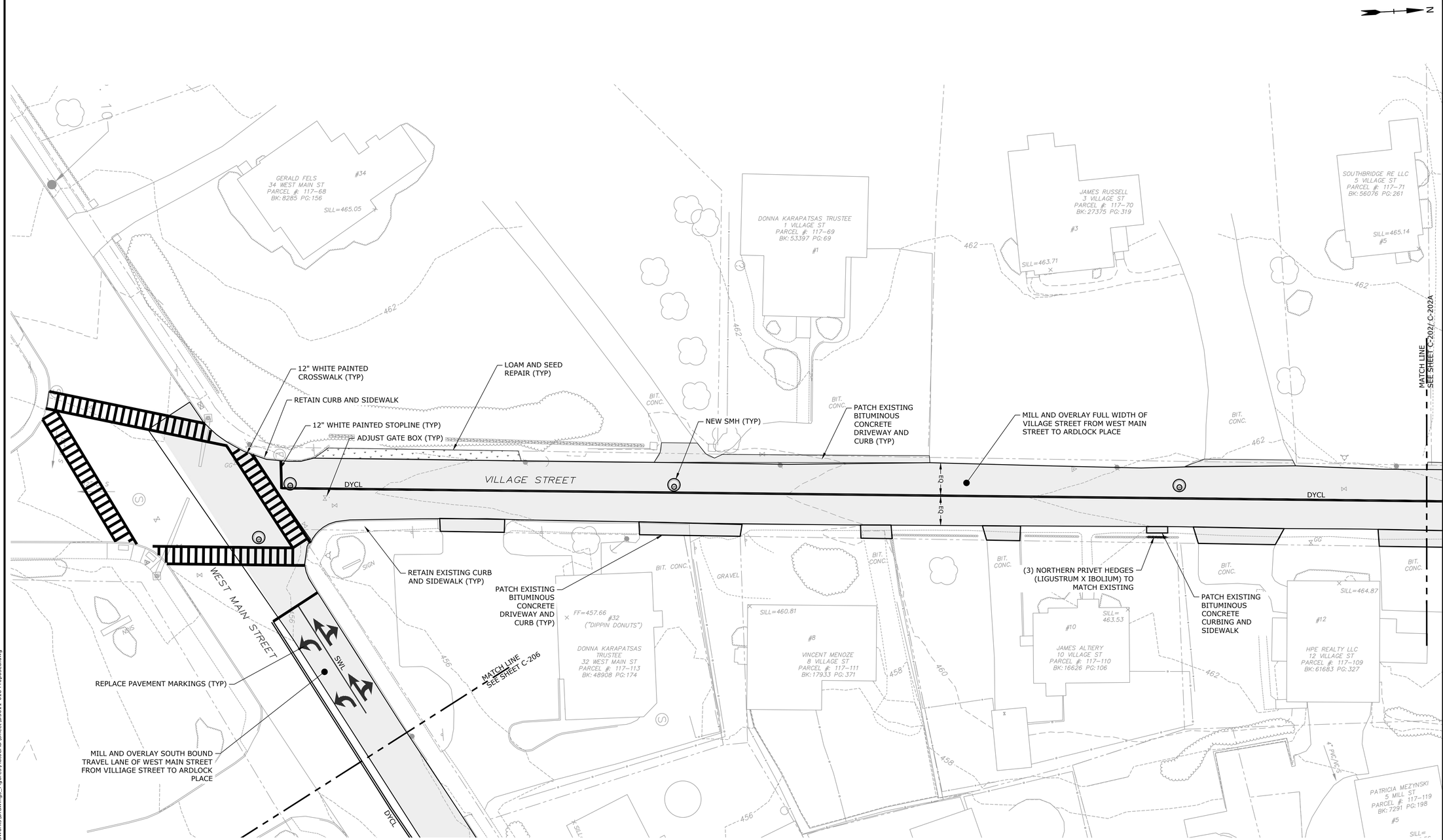
PROJECT NO:	D5011-018
DATE:	04/2024
FILE:	D5011-018 ExeCn.dwg
DRAWN BY:	ND/ABS
CHECKED BY:	MPW
APPROVED BY:	JPV

EXISTING CONDITIONS AND DEMOLITION PLAN - 6

SCALE: AS SHOWN

C-106

Last Saved: 4/9/2024
Plotted: Apr 10, 2024-11:54am By: NDay
Tighe & Bond:J:\D\D5011 Dudley\018 Stevens Mill MassWorks\Drawings_ Figures\AutoCAD\Sheet\D5011-018 ExeCn.dwg



Tighe&Bond

COMMONWEALTH OF MASSACHUSETTS
JOSEPH P VIAMARI JR.
CIVIL
No. 41776
REGISTERED PROFESSIONAL ENGINEER
04/11/2024

COMMONWEALTH OF MASSACHUSETTS
MATT WZOREK
CIVIL
No. 52674
REGISTERED PROFESSIONAL ENGINEER
04/10/2024

Stevens Mill Sewer and Sidewalk Replacement Project

Town of Dudley

Dudley,MA

MARK	DATE	DESCRIPTION
0	04/10/2024	ISSUED FOR BIDDING

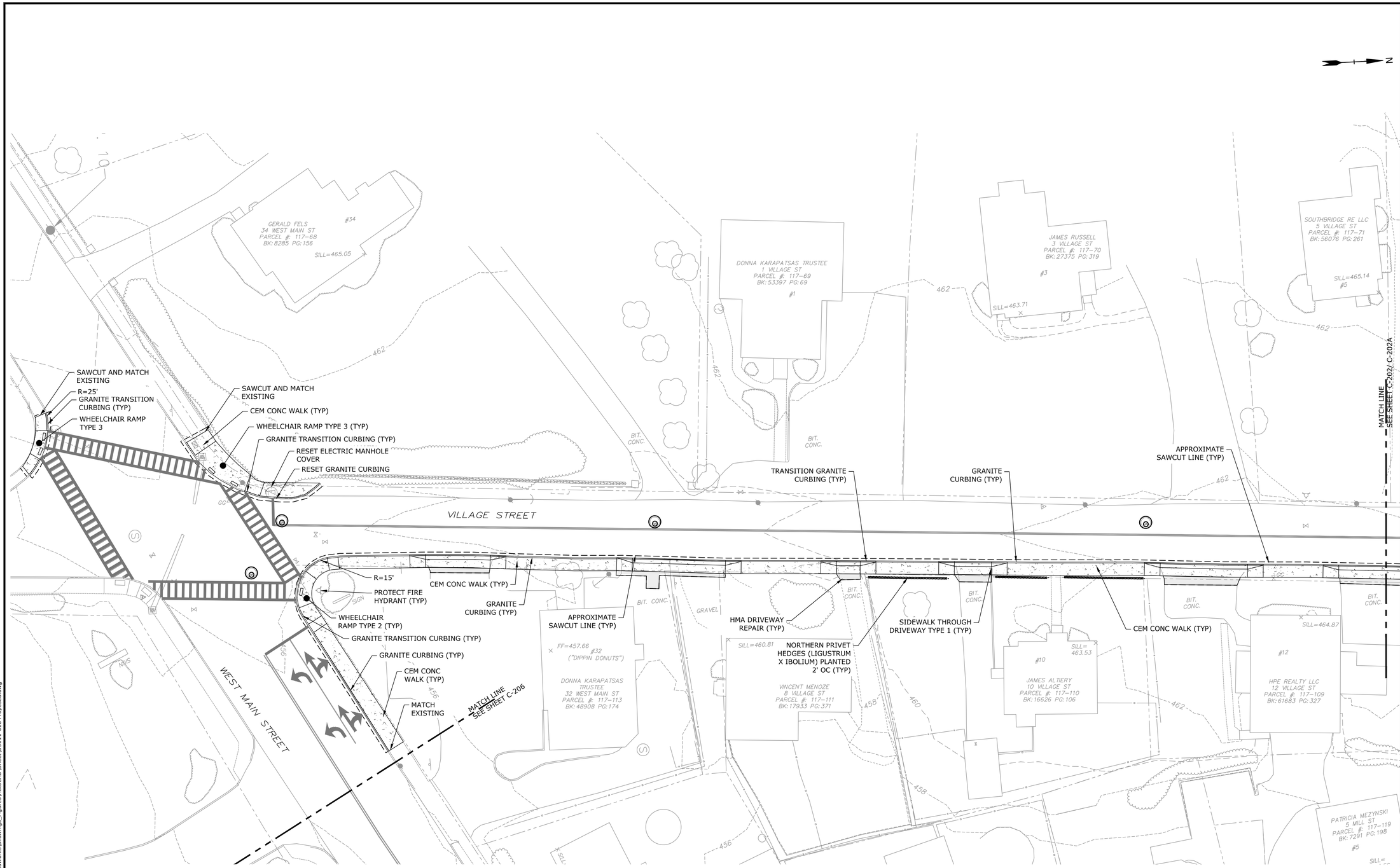
PROJECT NO:	D5011-018
DATE:	04/2024
FILE:	D5011-018 Proposed.dwg
DRAWN BY:	ND/ABS
CHECKED BY:	MPW
APPROVED BY:	JPV

SITE LAYOUT AND IMPROVEMENTS PLAN - 1

SCALE: AS SHOWN

C-201

Last Saved: 4/10/2024
Plotted: Apr 10, 2024-11:54am By: NDay
Tighe & Bond: J:\D\D5011 Dudley\018 Stevens Mill MassWorks\Drawings_Figures\AutoCAD\Sheet\D5011-018 Proposed.dwg



NOTE

1. ALL WORK SHOWN ON THIS SHEET IS TO BE INCLUDED IN BID ALTERNATE 1.

Tighe&Bond

COMMONWEALTH OF MASSACHUSETTS
JOSEPH P. VIAMARI JR.
CIVIL
No. 41776
REGISTERED PROFESSIONAL ENGINEER
04/10/2024

COMMONWEALTH OF MASSACHUSETTS
MATT WZOREK
CIVIL
No. 52674
REGISTERED PROFESSIONAL ENGINEER
04/10/2024

Stevens Mill Sewer and Sidewalk Replacement Project

Town of Dudley

Dudley,MA

MARK	DATE	DESCRIPTION
0	04/10/2024	ISSUED FOR BIDDING

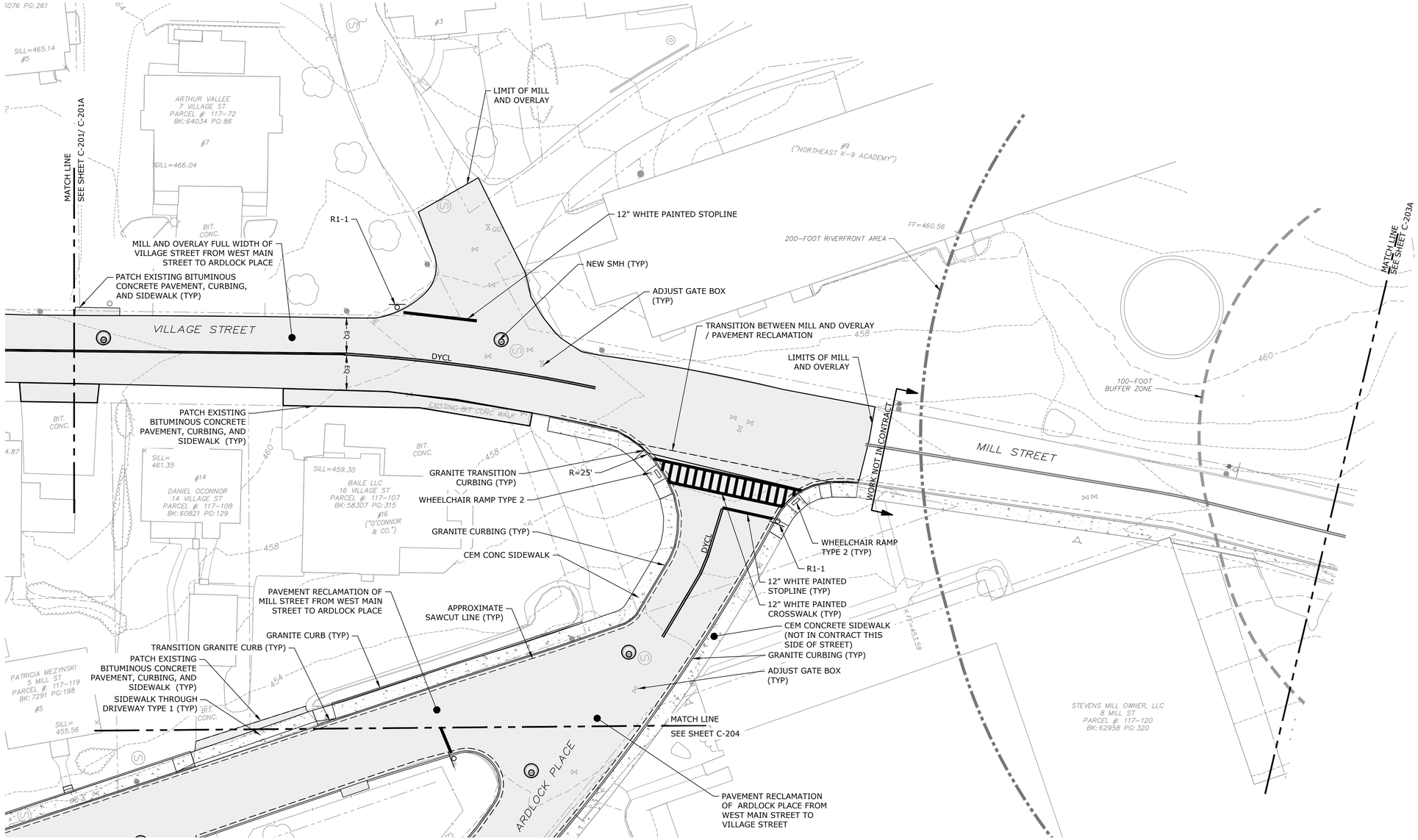
PROJECT NO:	D5011-018
DATE:	04/2024
FILE:	D5011-018 Proposed.dwg
DRAWN BY:	ND/ABS
CHECKED BY:	MPW
APPROVED BY:	JPV

SITE LAYOUT AND IMPROVEMENTS PLAN - 1 ALTERNATE 1 SCOPE

SCALE: AS SHOWN

C-201A

Last Saved: 4/10/2024
Plotted: Oct 07, 2024-11:55am By: NDay
Tighe & Bond: J:\D\D5011 Dudley\018 Stevens Mill MassWorks\Drawings, Figures\AutoCAD\Sheet\D5011-018 Proposed.dwg



SCALE: 1" = 20'

Tighe&Bond

COMMONWEALTH OF MASSACHUSETTS
JOSEPH P VIAMARI JR.
CIVIL
No. 41776
REGISTERED PROFESSIONAL ENGINEER
04/11/2024

COMMONWEALTH OF MASSACHUSETTS
MATT WZOREK
CIVIL
No. 52674
REGISTERED PROFESSIONAL ENGINEER
04/10/2024

Stevens Mill Sewer and Sidewalk Replacement Project

Town of Dudley

Dudley,MA

MARK	DATE	DESCRIPTION
0	04/10/2024	ISSUED FOR BIDDING

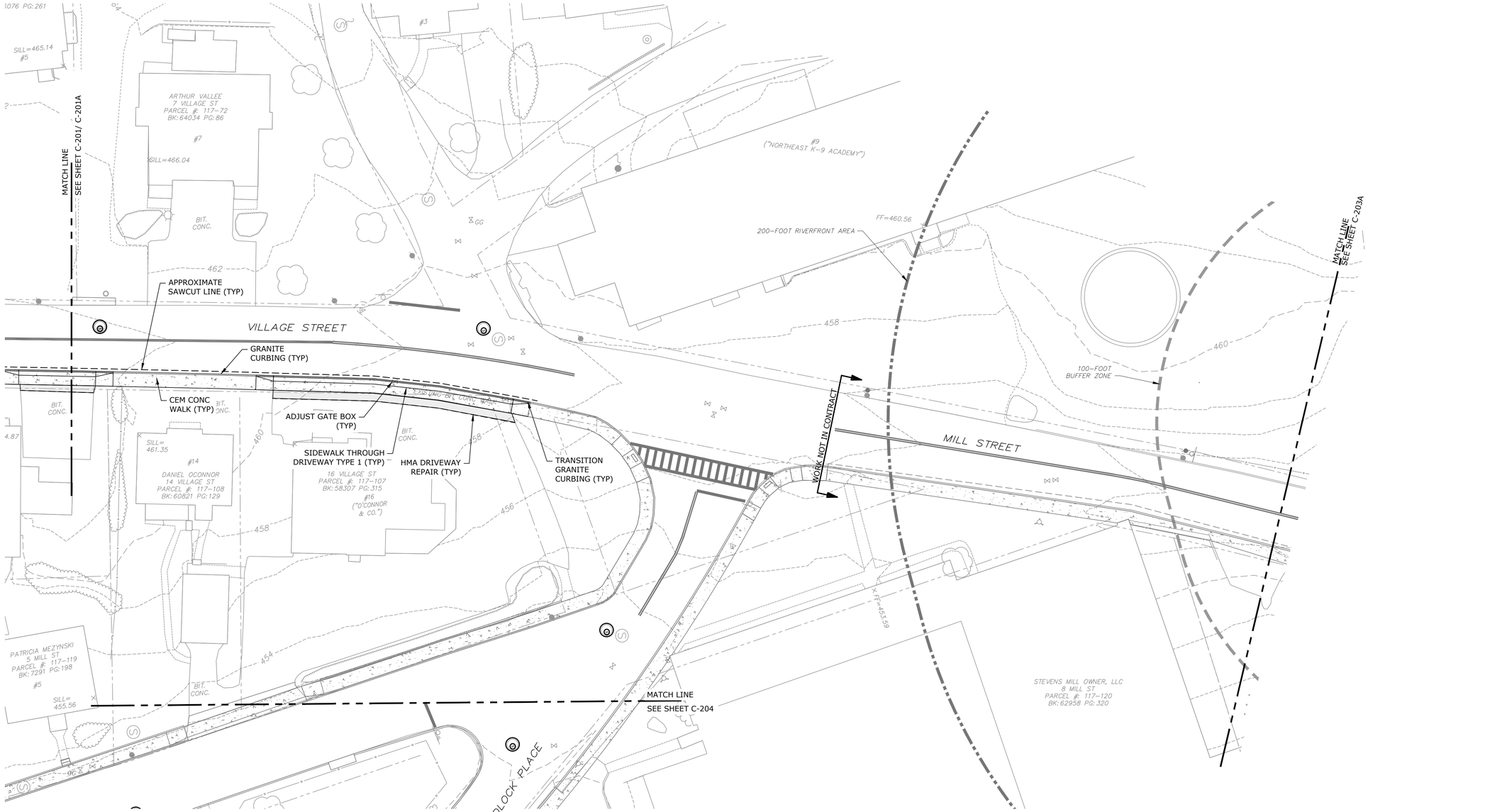
PROJECT NO:	D5011-018
DATE:	04/2024
FILE:	D5011-018 Proposed.dwg
DRAWN BY:	ND/ABS
CHECKED BY:	MPW
APPROVED BY:	JPV

SITE LAYOUT AND IMPROVEMENTS PLAN - 2

SCALE: AS SHOWN

C-202

Last Saved: 4/10/2024
Plotted on: Apr 10, 2024-11:55am By: NDay
Tighe & Bond: J:\D\D5011 Dudley\018 Stevens Mill MassWorks\Drawings_Figures\AutoCAD\Sheet\D5011-018 Proposed.dwg



NOTE

1. ALL WORK SHOWN ON THIS SHEET IS TO BE INCLUDED IN BID ALTERNATE 1.

0 20' 40'
SCALE: 1" = 20'

Tighe&Bond

COMMONWEALTH OF MASSACHUSETTS
JOSEPH P VIAMARI JR.
CIVIL
No. 41776
REGISTERED PROFESSIONAL ENGINEER
04/11/2024

COMMONWEALTH OF MASSACHUSETTS
MATT WZOREK
CIVIL
No. 52674
REGISTERED PROFESSIONAL ENGINEER
04/10/2024

Stevens Mill Sewer and Sidewalk Replacement Project

Town of Dudley

Dudley,MA

MARK	DATE	DESCRIPTION
0	04/10/2024	ISSUED FOR BIDDING

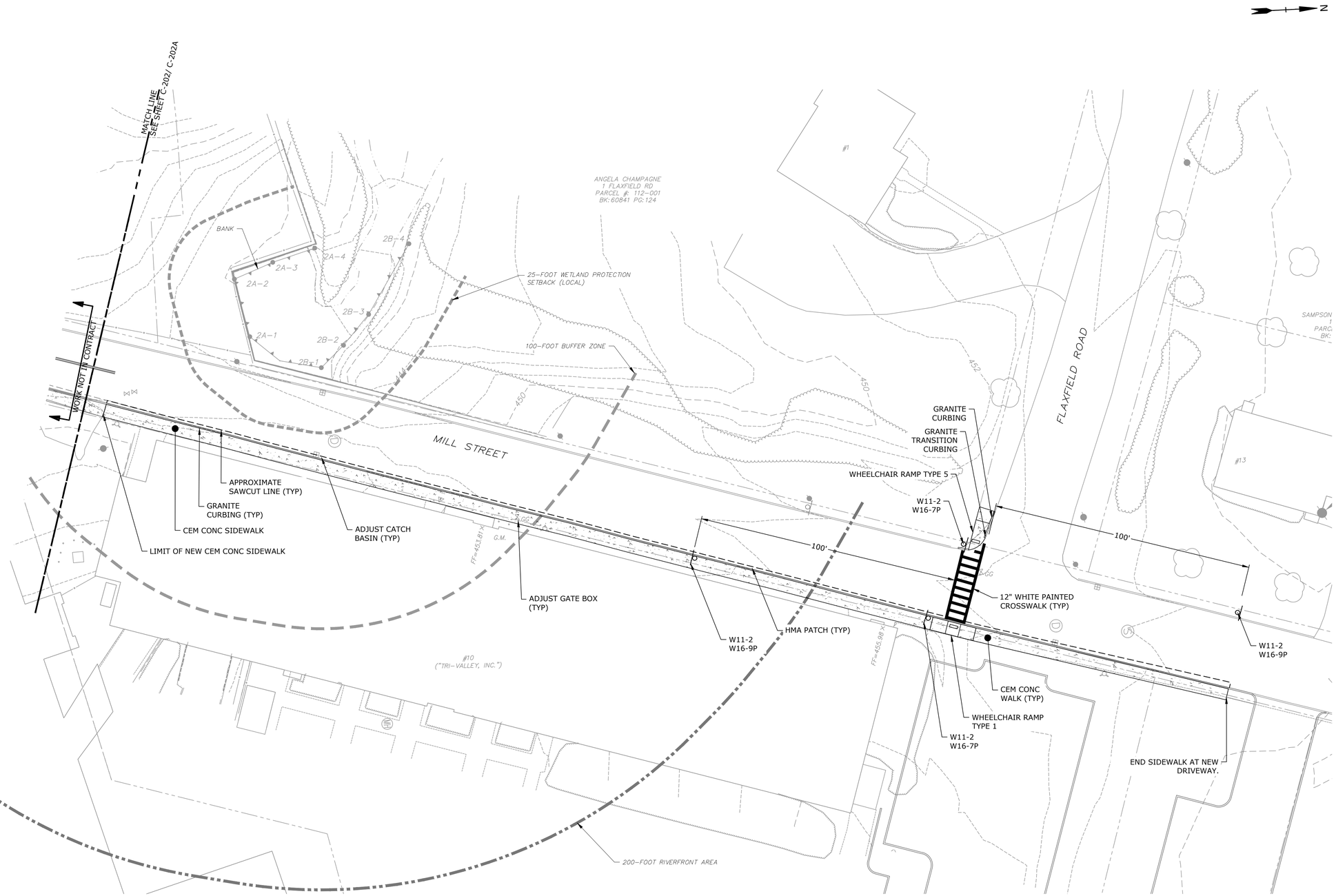
PROJECT NO:	D5011-018
DATE:	04/2024
FILE:	D5011-018 Proposed.dwg
DRAWN BY:	ND/ABS
CHECKED BY:	MPW
APPROVED BY:	JPV

SITE LAYOUT AND IMPROVEMENTS PLAN - 2 ALTERNATE 1 SCOPE

SCALE: AS SHOWN

C-202A

Last Saved: 4/10/2024
Plotted: Wed, Apr 10, 2024 1:19pm By: ABS
Tighe & Bond: J:\D\D5011 Dudley\018 Stevens Mill MassWorks\Drawings_ Figures\AutoCAD\Sheet\D5011-018 Proposed.dwg



NOTE

1. ALL WORK SHOWN ON THIS SHEET IS TO BE INCLUDED IN BID ALTERNATE 2.

Tighe&Bond

COMMONWEALTH OF MASSACHUSETTS
JOSEPH P. VIAMARI JR.
CIVIL
No. 41776
REGISTERED PROFESSIONAL ENGINEER
04/11/2024

COMMONWEALTH OF MASSACHUSETTS
MATT WZOREK
CIVIL
No. 52674
REGISTERED PROFESSIONAL ENGINEER
04/10/2024

Stevens Mill Sewer and Sidewalk Replacement Project

Town of Dudley

Dudley,MA

MARK	DATE	DESCRIPTION
0	04/10/2024	ISSUED FOR BIDDING

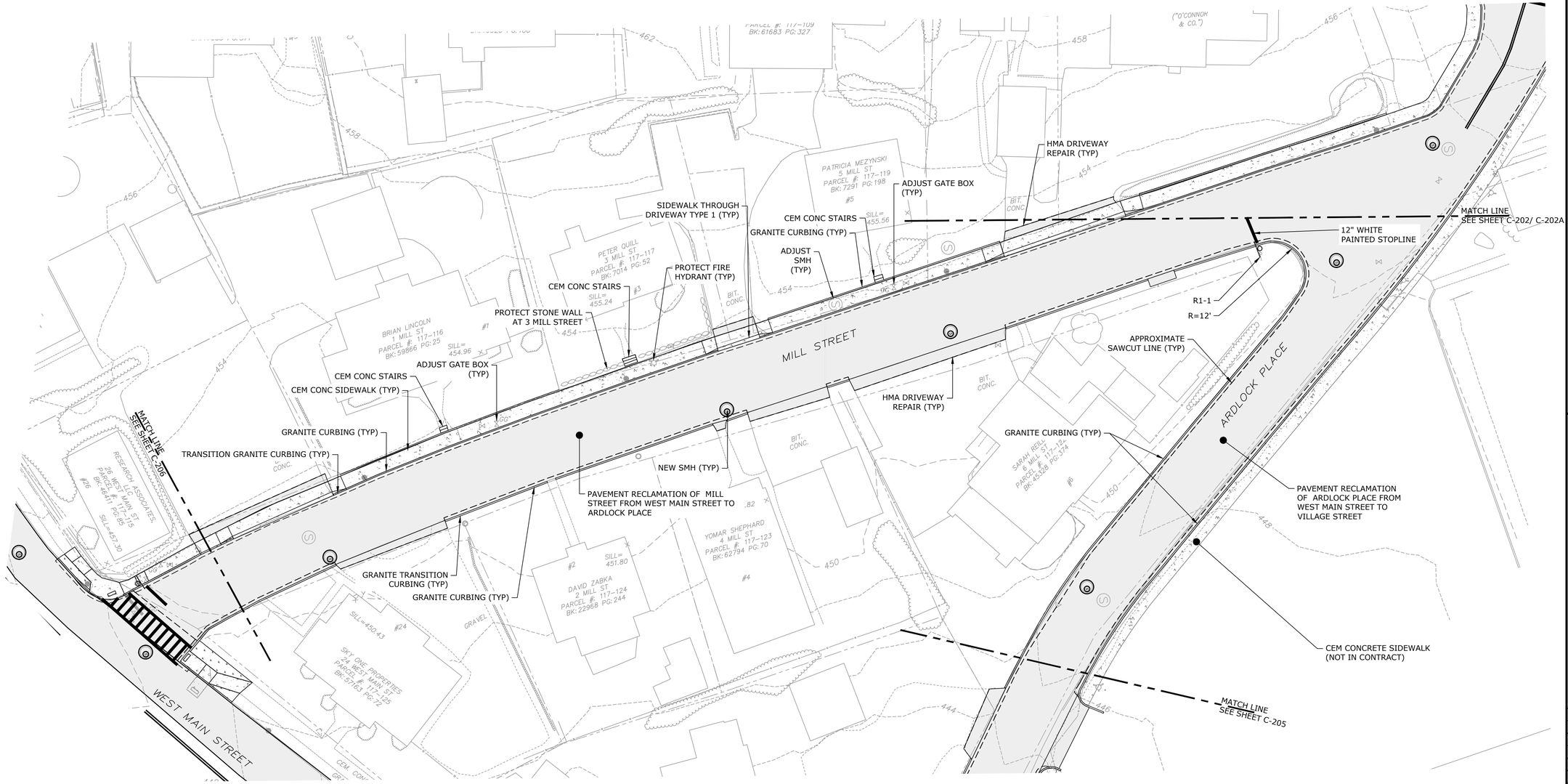
PROJECT NO:	D5011-018
DATE:	04/2024
FILE:	D5011-018 Proposed.dwg
DRAWN BY:	ND/ABS
CHECKED BY:	MPW
APPROVED BY:	JPV

SITE LAYOUT AND IMPROVEMENTS PLAN - 3 ALTERNATE 2 SCOPE

SCALE: AS SHOWN

C-203A

Last Saved: 4/10/2024
Plotted On: Apr 10, 2024-11:56am By: NDay
Tighe & Bond: J:\D\D5011 Dudley\018 Stevens Mill MassWorks\Drawings_Figures\AutoCAD\Sheet\D5011-018 Proposed.dwg



Tighe&Bond

COMMONWEALTH OF MASSACHUSETTS
JOSEPH P VIAMARI JR.
CIVIL
No. 41776
REGISTERED PROFESSIONAL ENGINEER
04/11/2024

COMMONWEALTH OF MASSACHUSETTS
MATT WZOREK
CIVIL
No. 52674
REGISTERED PROFESSIONAL ENGINEER
04/10/2024

Stevens Mill Sewer and Sidewalk Replacement Project

Town of Dudley

Dudley,MA

MARK	DATE	DESCRIPTION
0	04/10/2024	ISSUED FOR BIDDING

PROJECT NO:	D5011-018
DATE:	04/2024
FILE:	D5011-018 Proposed.dwg
DRAWN BY:	ND/ABS
CHECKED BY:	MPW
APPROVED BY:	JPV

SITE LAYOUT AND IMPROVEMENTS PLAN - 4

SCALE: AS SHOWN

C-204

Last Saved: 4/10/2024
Plotted on: Apr 10, 2024-11:56am By: NDay
Tighe & Bond: J:\D\D5011 Dudley\018 Stevens Mill MassWorks\Drawings_Figures\AutoCAD\Sheet\D5011-018 Proposed.dwg

CEM CONCRETE SIDEWALK (NOT IN CONTRACT)

MATCH LINE SEE SHEET C-202

PAVEMENT RECLAMATION OF ARDLOCK PLACE FROM WEST MAIN STREET TO VILLAGE STREET

R=5'

R=5'

GRANITE CURB (TYP)

CEM CONCRETE SIDEWALK (NOT IN CONTRACT)

HMA DRIVEWAY REPAIR (TYP)

GRANITE TRANSITION CURBING (TYP)

R=5'

NEW SMH (TYP)

R=5'

CEM CONCRETE SIDEWALK (NOT IN CONTRACT)

GRANITE CURB (TYP)

GRANITE CURB (TYP)

MATCH LINE SEE SHEET C-206

ARDLOCK PLACE

WEST MAIN STREET

STEVENS MILL OWNER, LLC
8 MILL ST
PARCEL #: 117-120
BK: 62958 PG: 320

NEW EGLAND REALTY VENTURES LLC
10 WEST MAIN ST
PARCEL #: 117-127
BK: 52543 PG: 63

NWF REALTY TRUST
126-16 WEST MAIN ST
PARCEL #: 117-128
BK: 53619 PG: 193

200-FOOT RIVERFRONT AREA

100-FOOT BUFFER ZONE TO BLSF (LOCAL)

100-FOOT BUFFER ZONE

HMA DRIVEWAY REPAIR

NEW CHAIN LINK FENCE (MATCH EXISTING)

NEW CHAIN LINK FENCE (MATCH EXISTING)

GRADE SLOPE AS REQUIRED TO INSTALL PIPING

EROSION CONTROL BLANKET, LOAM, AND SEED

EROSION CONTROL BARRIER (TYP)

25-FOOT WETLAND PROTECTION SETBACK (LOCAL)

BORDERING LAND SUBJECT TO FLOODING (BLSF) ELEV. 417

MEAN ANNUAL HIGH WATER

T.B.M.
RAILROAD SPIKE IN UP 1
ELEV. = 429.16

0 20' 40'
SCALE: 1" = 20'

N

Tighe&Bond

COMMONWEALTH OF MASSACHUSETTS
JOSEPH P VIAMARI JR.
CIVIL
No. 41776
REGISTERED PROFESSIONAL ENGINEER
04/11/2024

COMMONWEALTH OF MASSACHUSETTS
MATT WZOREK
CIVIL
No. 52674
REGISTERED PROFESSIONAL ENGINEER
04/10/2024

Stevens Mill Sewer and Sidewalk Replacement Project

Town of Dudley

Dudley,MA

MARK	DATE	DESCRIPTION
0	04/10/2024	ISSUED FOR BIDDING

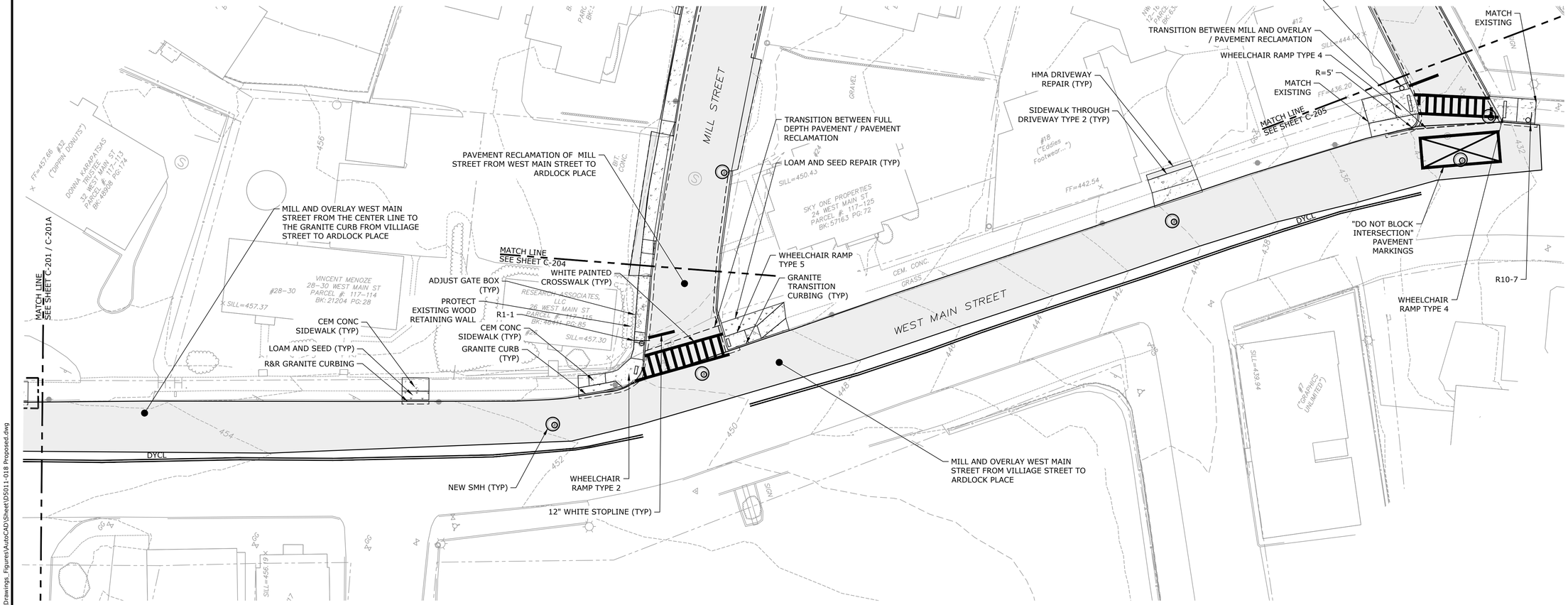
PROJECT NO:	D5011-018
DATE:	04/2024
FILE:	D5011-018 Proposed.dwg
DRAWN BY:	ND/ABS
CHECKED BY:	MPW
APPROVED BY:	JPV

SITE LAYOUT AND IMPROVEMENTS PLAN - 5

SCALE: AS SHOWN

C-205

Last Saved: 4/10/2024
Plotted: Oct-Apr 10, 2024-11:56am By: NDay
Tighe & Bond: J:\D\D5011 Dudley\018 Stevens Mill MassWorks\Drawings_Figures\AutoCAD\Sheet\D5011-018 Proposed.dwg



0 20' 40'

SCALE: 1" = 20'

Tighe&Bond

COMMONWEALTH OF MASSACHUSETTS
JOSEPH P VIAMARI JR.
CIVIL
No. 41776
REGISTERED PROFESSIONAL ENGINEER
04/11/2024

COMMONWEALTH OF MASSACHUSETTS
MATT WZOREK
CIVIL
No. 52674
REGISTERED PROFESSIONAL ENGINEER
04/10/2024

Stevens Mill Sewer and Sidewalk Replacement Project

Town of Dudley

Dudley,MA

MARK	DATE	DESCRIPTION
0	04/10/2024	ISSUED FOR BIDDING

PROJECT NO:	D5011-018
DATE:	04/2024
FILE:	D5011-018 Proposed.dwg
DRAWN BY:	ND/ABS
CHECKED BY:	MPW
APPROVED BY:	JPV

SITE LAYOUT AND IMPROVEMENTS PLAN - 6

SCALE: AS SHOWN

C-206

Last Saved: 4/10/2024
Plotted: Oct-Apr 10, 2024-11:57am By: NDay
Tighe & Bond: J:\D\D5011 Dudley\018 Stevens Mill MassWorks\Drawings, Figures\AutoCAD\Sheet\D5011-018 Proposed.dwg

LEGEND

C-### PLAN AND PROFILE

SS PROPOSED SEWER PIPE

SS EXISTING SEWER PIPE

0 60' 120'

SCALE: 1" = 60'

Tighe&Bond

COMMONWEALTH OF MASSACHUSETTS
JOSEPH P VIAMARI JR.
CIVIL
No. 41776
REGISTERED PROFESSIONAL ENGINEER
04/11/2024

COMMONWEALTH OF MASSACHUSETTS
MATT WZOREK
CIVIL
No. 52674
REGISTERED PROFESSIONAL ENGINEER
04/10/2024

Stevens Mill Sewer and Sidewalk Replacement Project

Town of Dudley

Dudley,MA

MARK	DATE	DESCRIPTION
0	04/10/2024	ISSUED FOR BIDDING

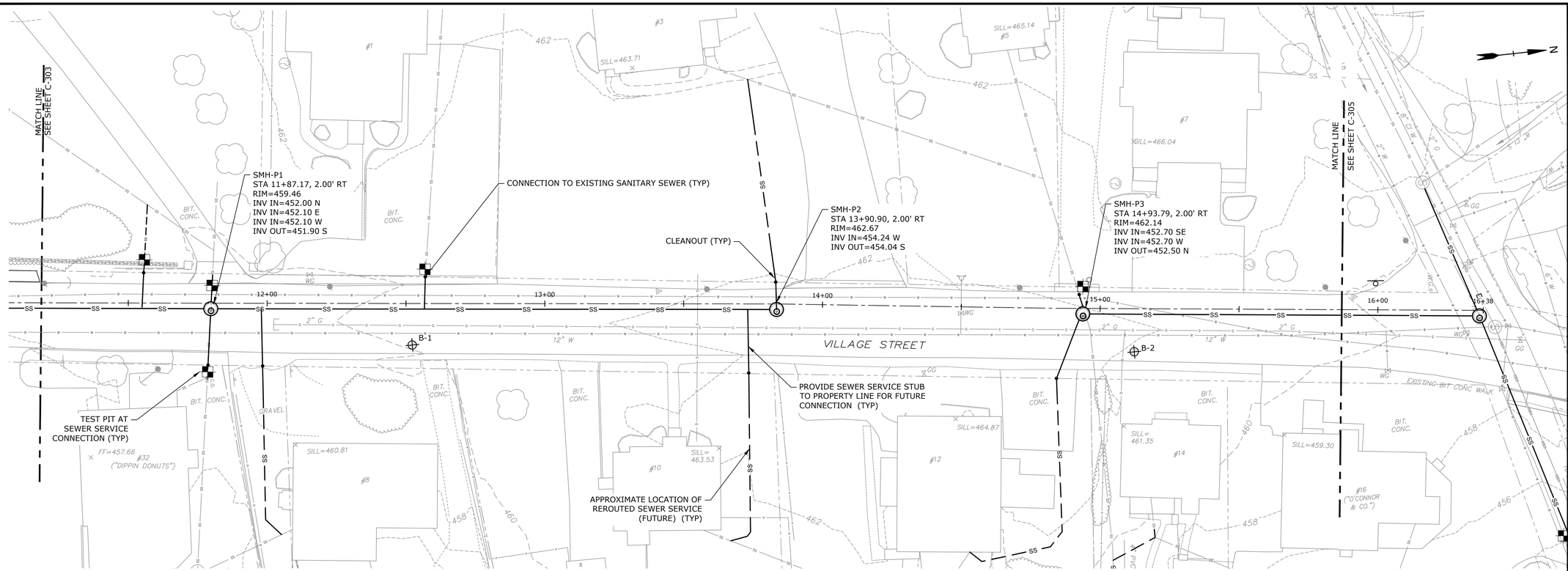
PROJECT NO:	D5011-018
DATE:	04/2024
FILE:	D5011-018 Proposed.dwg
DRAWN BY:	ND/ABS
CHECKED BY:	MPW
APPROVED BY:	JPV

SEWER LAYOUT OVERALL SITE PLAN

SCALE: AS SHOWN

C-300

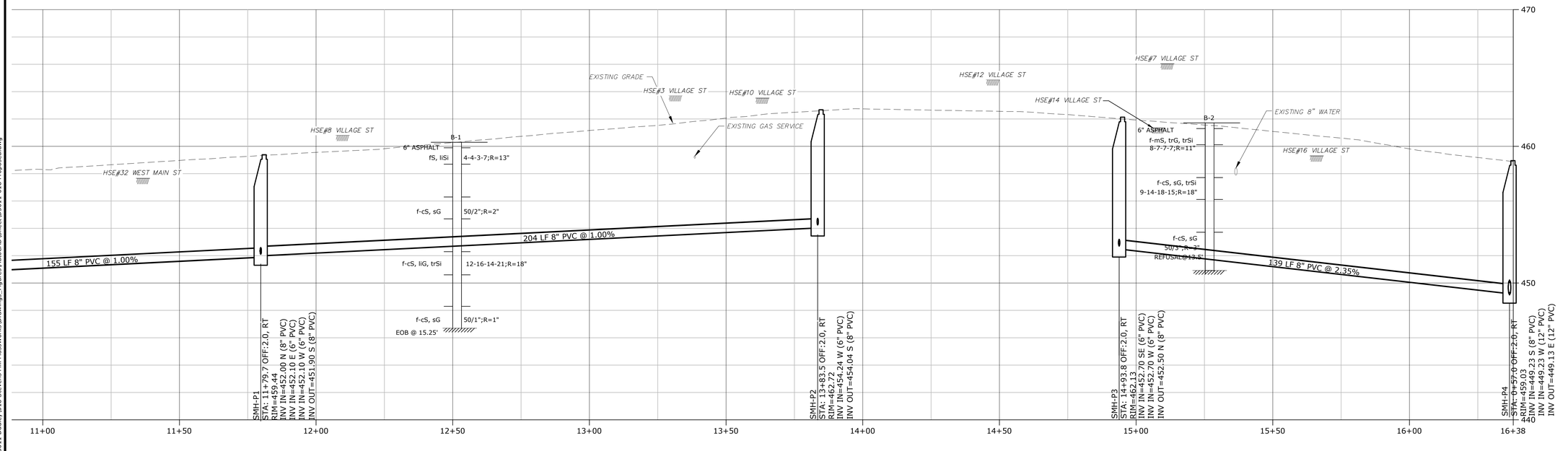
Last Saved: 4/10/2024
Plotted: Oct-Apr 10, 2024-11:57am By: NDay
Tighe & Bond: J:\D\D5011 Dudley\018 Stevens Mill MassWorks\Drawings_Figures\AutoCAD\Sheet\D5011-018 Proposed.dwg



NOTES:

1. PERFORM TEST PIT EXCAVATIONS TO CONFIRM THE SIZE, MATERIAL AND ELEVATION OF EACH EXISTING SEWER SERVICE PRIOR TO INSTALLING SEWER MAIN.

VILLAGE STREET SEWER LAYOUT PLAN
1"= 20'



VILLAGE STREET SEWER PROFILE
HORIZONTAL SCALE:1"= 20' VERTICAL SCALE: 1" = 4'

0 20' 40'
SCALE: 1" = 20'

Last Saved: 4/10/2024
Plotted On: Apr 10, 2024-11:57am By: NDay
Tighe & Bond: J:\D\D5011 Dudley\018 Stevens Mill MassWorks\Drawings, Figures\AutoCAD\Sheet\D5011-018 Proposed.dwg

Tighe&Bond

COMMONWEALTH OF MASSACHUSETTS
JOSEPH P VIAMARI JR.
CIVIL
No. 41776
REGISTERED PROFESSIONAL ENGINEER
04/10/2024

COMMONWEALTH OF MASSACHUSETTS
MATT WZOREK
CIVIL
No. 52674
REGISTERED PROFESSIONAL ENGINEER
04/10/2024

Stevens Mill Sewer and Sidewalk Replacement Project

Town of Dudley

Dudley,MA

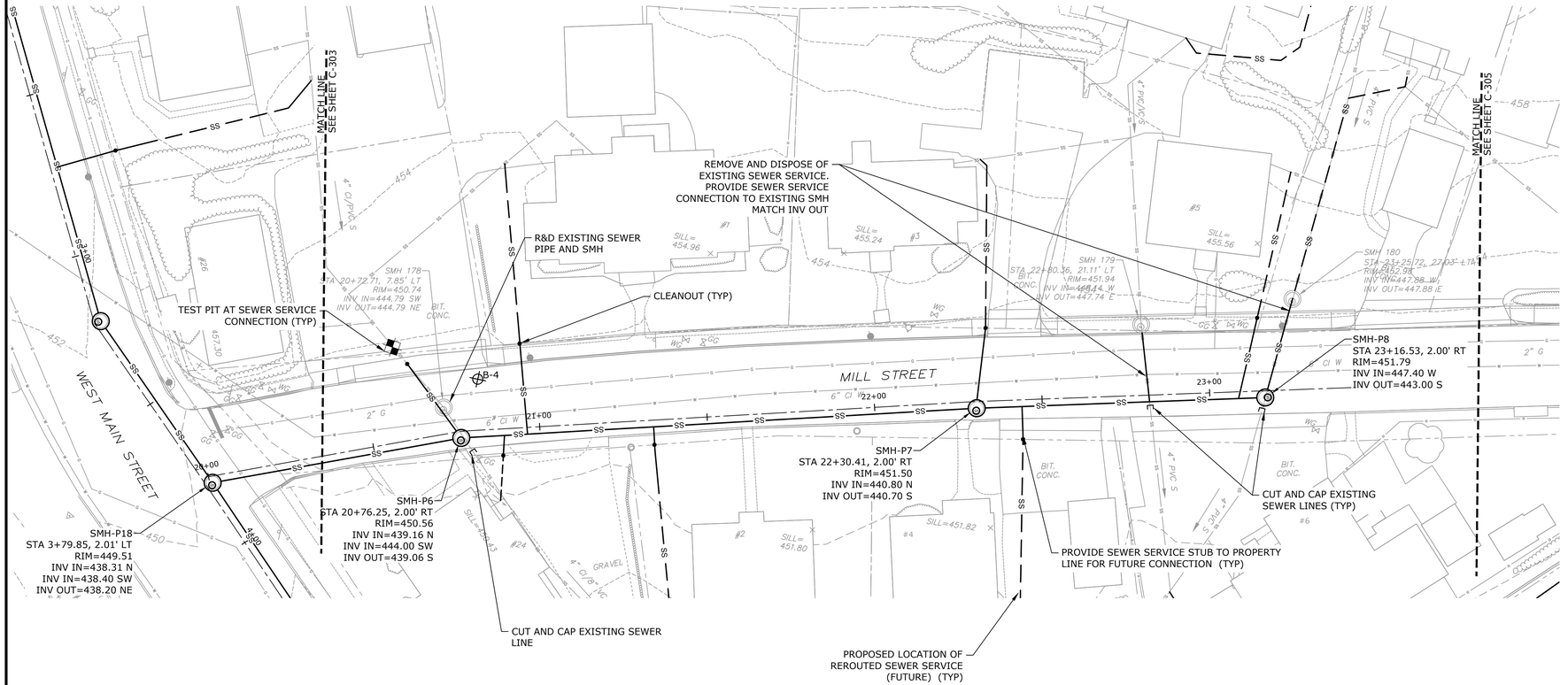
MARK	DATE	DESCRIPTION
0	04/10/2024	ISSUED FOR BIDDING

PROJECT NO:	D5011-018
DATE:	04/2024
FILE:	D5011-018 Proposed.dwg
DRAWN BY:	ND/ABS
CHECKED BY:	MPW
APPROVED BY:	JPV

VILLAGE STREET
SEWER PLAN AND PROFILE

SCALE: HORIZ. 1" =20' ; VERT. 1"=4'

C-301

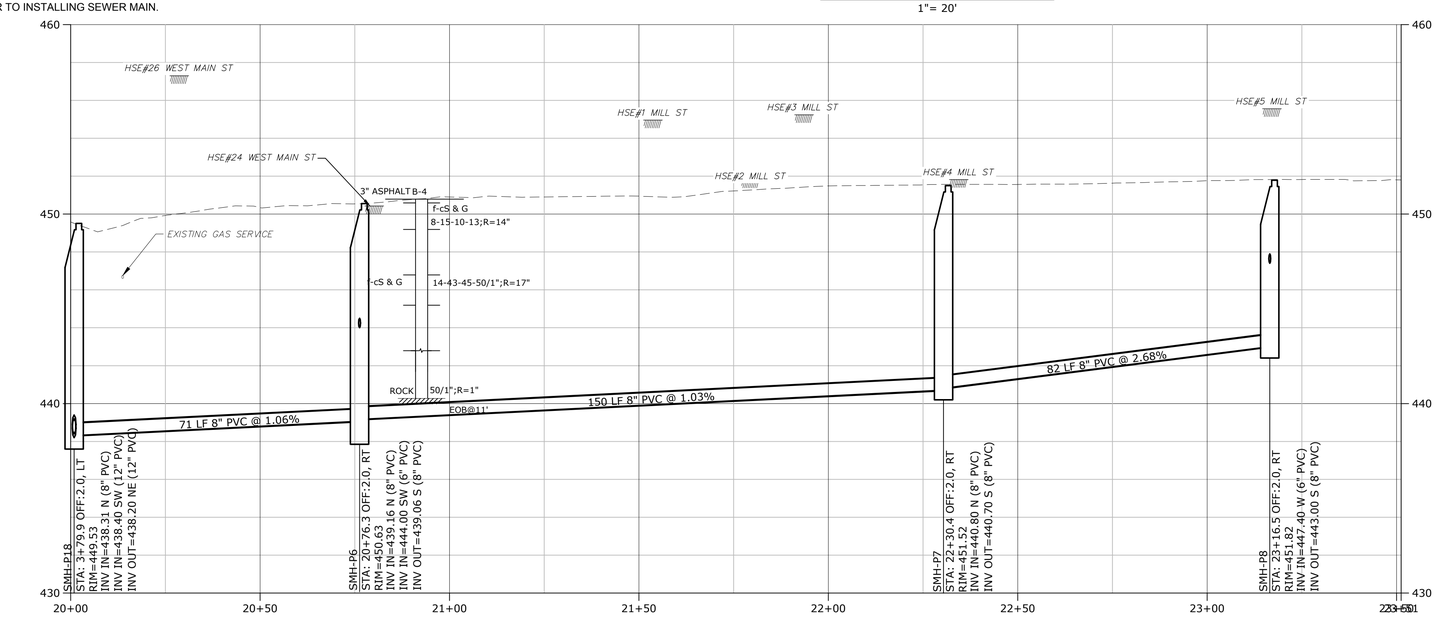


NOTES:

1. PERFORM TEST PIT EXCAVATIONS TO CONFIRM THE SIZE, MATERIAL AND ELEVATION OF EACH EXISTING SEWER SERVICE PRIOR TO INSTALLING SEWER MAIN.

MILL STREET SEWER LAYOUT PLAN

1"= 20'



MILL STREET SEWER PROFILE

HORIZONTAL SCALE:1"= 20' VERTICAL SCALE: 1" = 4'

0 20' 40'

SCALE: 1" = 20'

Tighe&Bond

JOSEPH P VIAMARI JR. CIVIL No. 41776 REGISTERED PROFESSIONAL ENGINEER
COMMONWEALTH OF MASSACHUSETTS
04/11/2024

MATT WZOREK CIVIL No. 52674 REGISTERED PROFESSIONAL ENGINEER
COMMONWEALTH OF MASSACHUSETTS
04/10/2024

Stevens Mill Sewer and Sidewalk Replacement Project

Town of Dudley

Dudley,MA

MARK	DATE	DESCRIPTION
0	04/10/2024	ISSUED FOR BIDDING

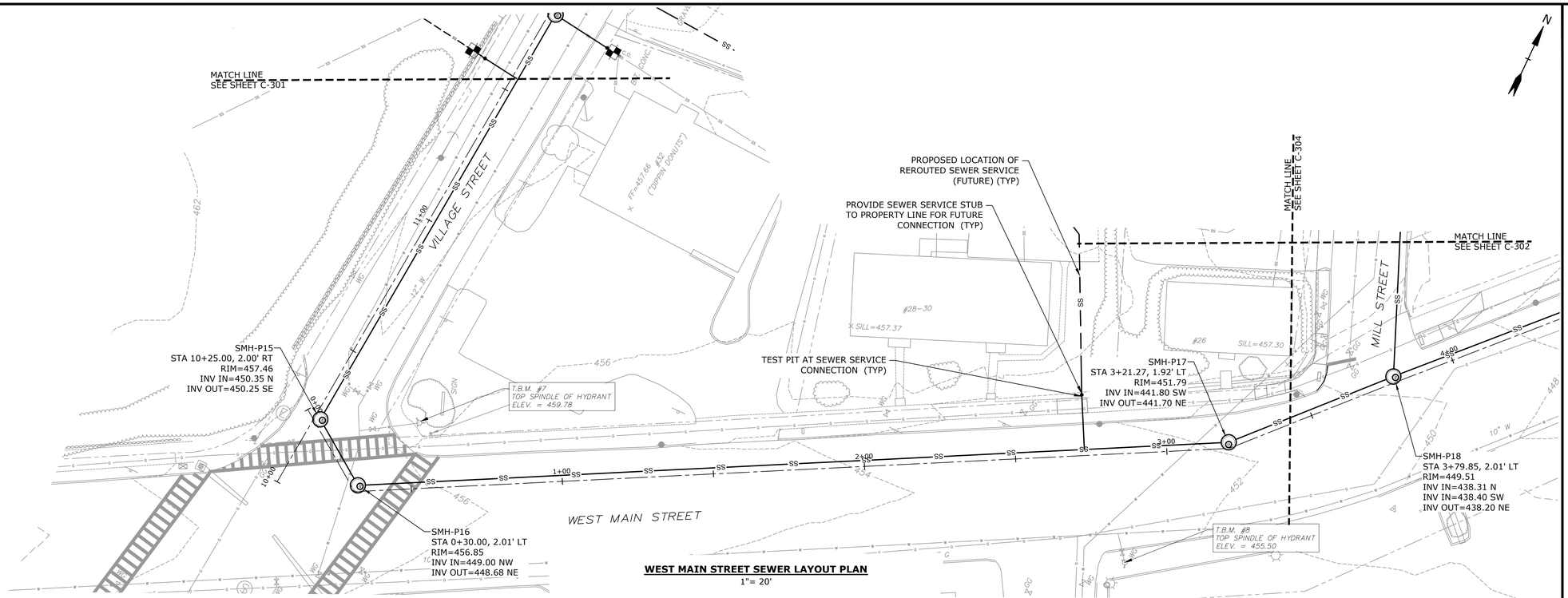
PROJECT NO:	D5011-018
DATE:	04/2024
FILE:	D5011-018 Proposed.dwg
DRAWN BY:	ND/ABS
CHECKED BY:	MPW
APPROVED BY:	JPV

MILL STREET
SEWER PLAN AND PROFILE

SCALE: HORIZ. 1" =20' ; VERT. 1"=4'

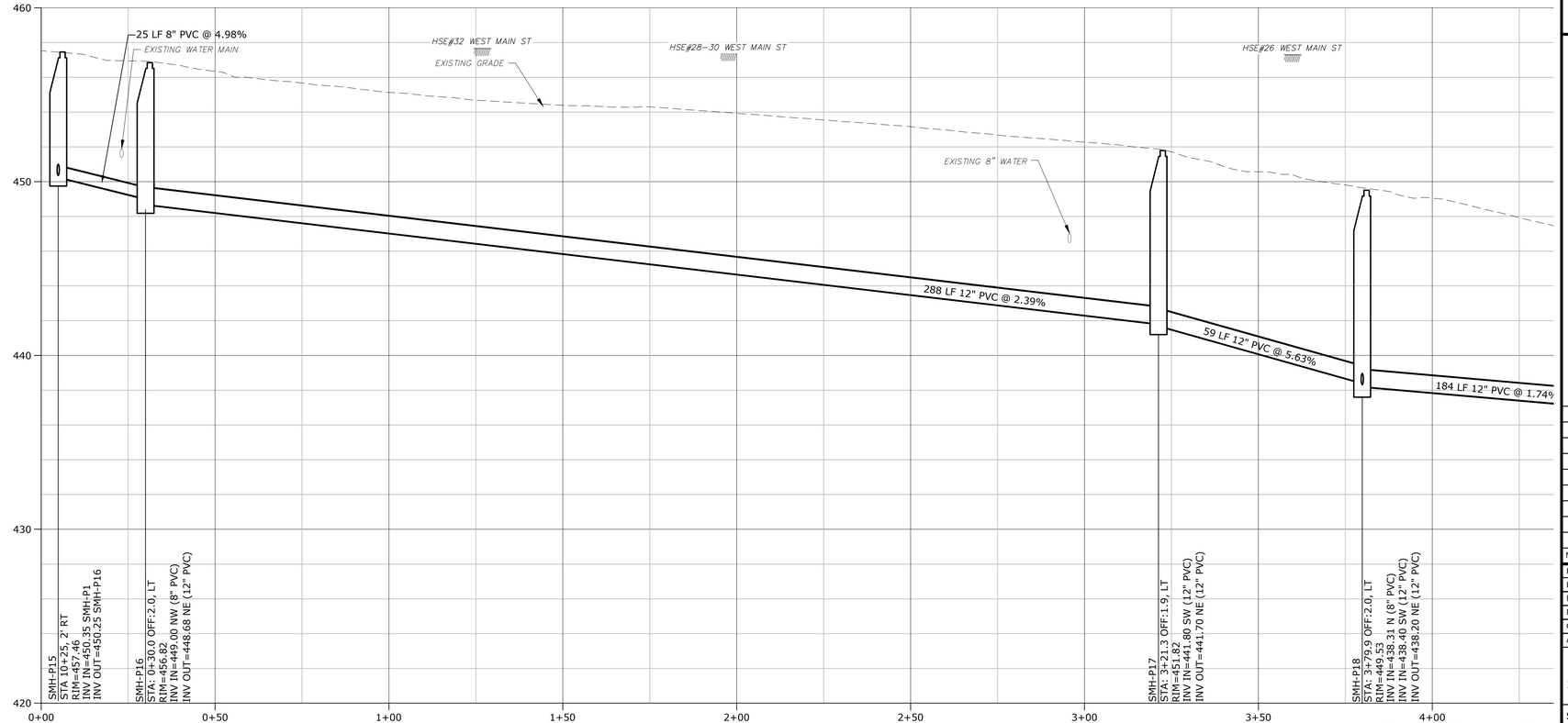
C-302

Last Saved: 4/10/2024
Plotted: Apr 10, 2024-11:58am By: NDay
Tighe & Bond J:\D\D5011 Dudley\D18 Stevens Mill MassWorks\Drawings_Figures\AutoCAD\Sheet\D5011-018 Proposed.dwg



WEST MAIN STREET SEWER LAYOUT PLAN
1"= 20'

NOTES:
1. PERFORM TEST PIT EXCAVATIONS TO CONFIRM THE SIZE, MATERIAL AND ELEVATION OF EACH EXISTING SEWER SERVICE PRIOR TO INSTALLING SEWER MAIN.



WEST MAIN STREET SEWER PROFILE
HORIZONTAL SCALE:1"= 20' VERTICAL SCALE: 1" = 4'

Tighe&Bond

COMMONWEALTH OF MASSACHUSETTS
JOSEPH P VIAMARI JR.
CIVIL
No. 41776
REGISTERED PROFESSIONAL ENGINEER
04/11/2024

COMMONWEALTH OF MASSACHUSETTS
MATT WZOREK
CIVIL
No. 52674
REGISTERED PROFESSIONAL ENGINEER
04/10/2024

Stevens Mill Sewer and Sidewalk Replacement Project

Town of Dudley

Dudley,MA

MARK	DATE	DESCRIPTION
0	04/10/2024	ISSUED FOR BIDDING

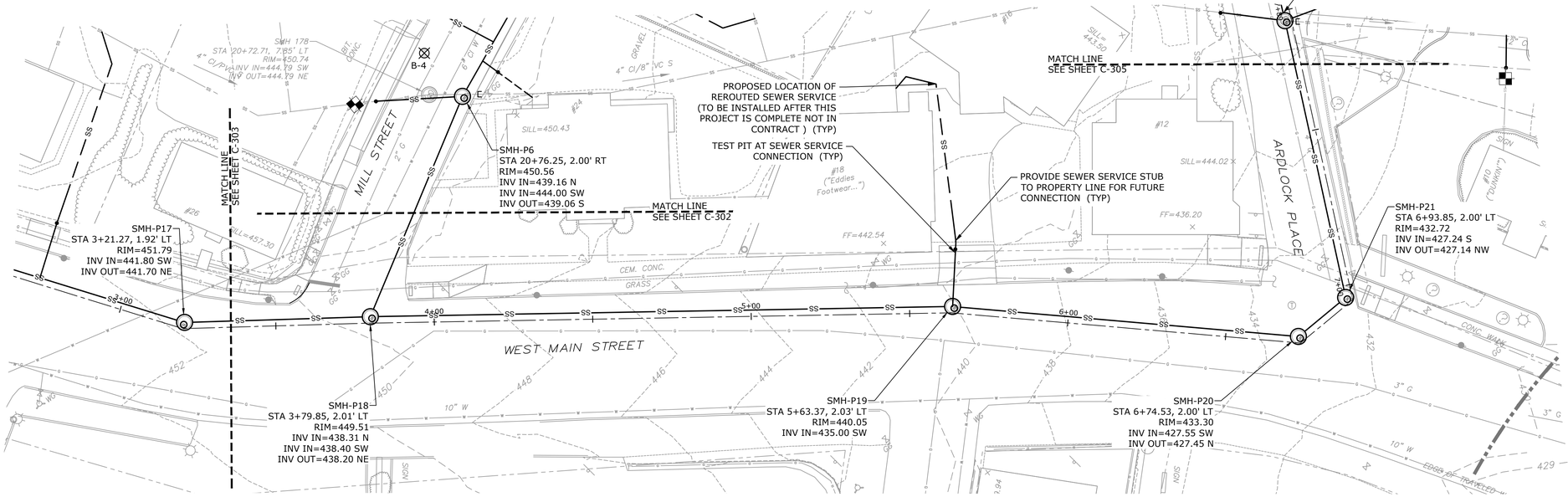
PROJECT NO:	D5011-018
DATE:	04/2024
FILE:	D5011-018 Proposed.dwg
DRAWN BY:	ND/ABS
CHECKED BY:	MPW
APPROVED BY:	JPV

WEST MAIN STREET
SEWER PLAN AND PROFILE-1

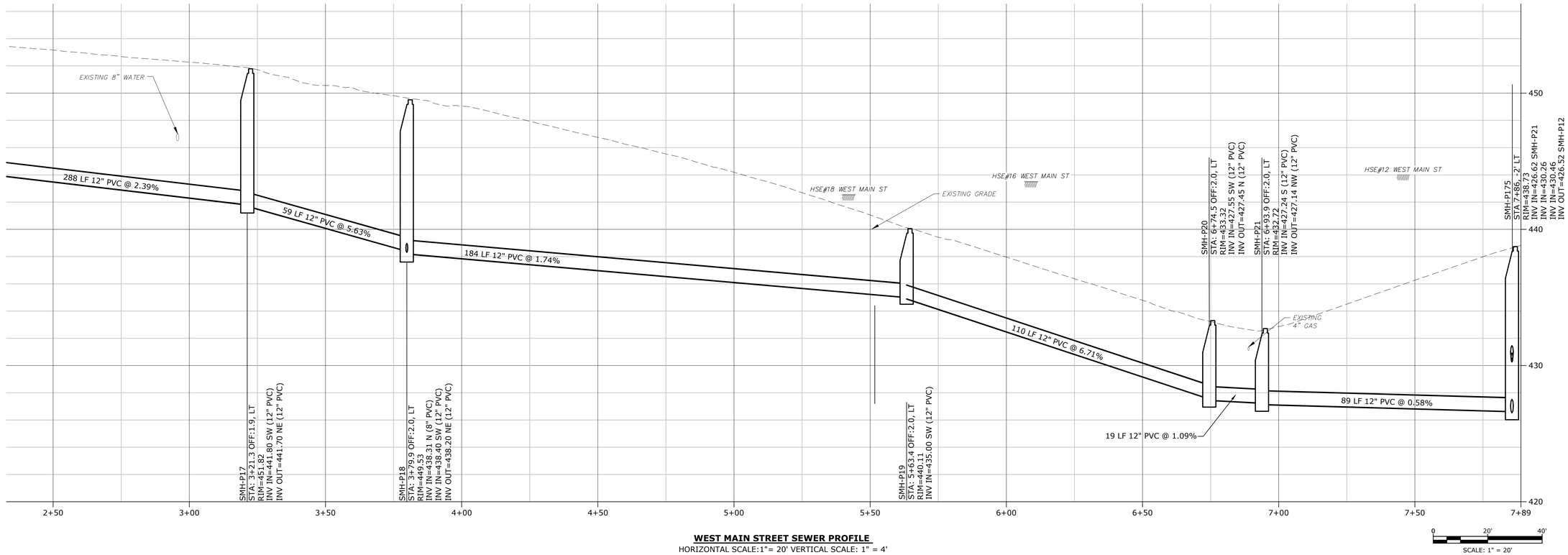
SCALE: HORIZ. 1" =20' ; VERT. 1"=4'

C-303

Last Saved: 4/10/2024
Printed: Thursday, Apr 10, 2024-11:59am By: NDay
Tighe & Bond: J:\D\D5011 Dudley\018 Stevens Mill MassWorks\Drawings_ Figures\AutoCAD\Sheet\D5011-018 Proposed.dwg



WEST MAIN STREET SEWER LAYOUT PLAN
1"= 20'



WEST MAIN STREET SEWER PROFILE
HORIZONTAL SCALE:1"= 20' VERTICAL SCALE: 1" = 4'

Last Saved: 4/10/2024
Plotted on: Apr 10, 2024-11:59am By: NDay
Tighe & Bond: J:\D\D5011 Dudley\018 Stevens Mill MassWorks\Drawings_Figures\AutoCAD\Sheet\D5011-018 Proposed.dwg

Tighe&Bond

COMMONWEALTH OF MASSACHUSETTS
JOSEPH P VIAMARI JR.
CIVIL
No. 41776
REGISTERED PROFESSIONAL ENGINEER
04/11/2024

COMMONWEALTH OF MASSACHUSETTS
MATT WZOREK
CIVIL
No. 52674
REGISTERED PROFESSIONAL ENGINEER
04/10/2024

Stevens Mill Sewer and Sidewalk Replacement Project

Town of Dudley

Dudley,MA

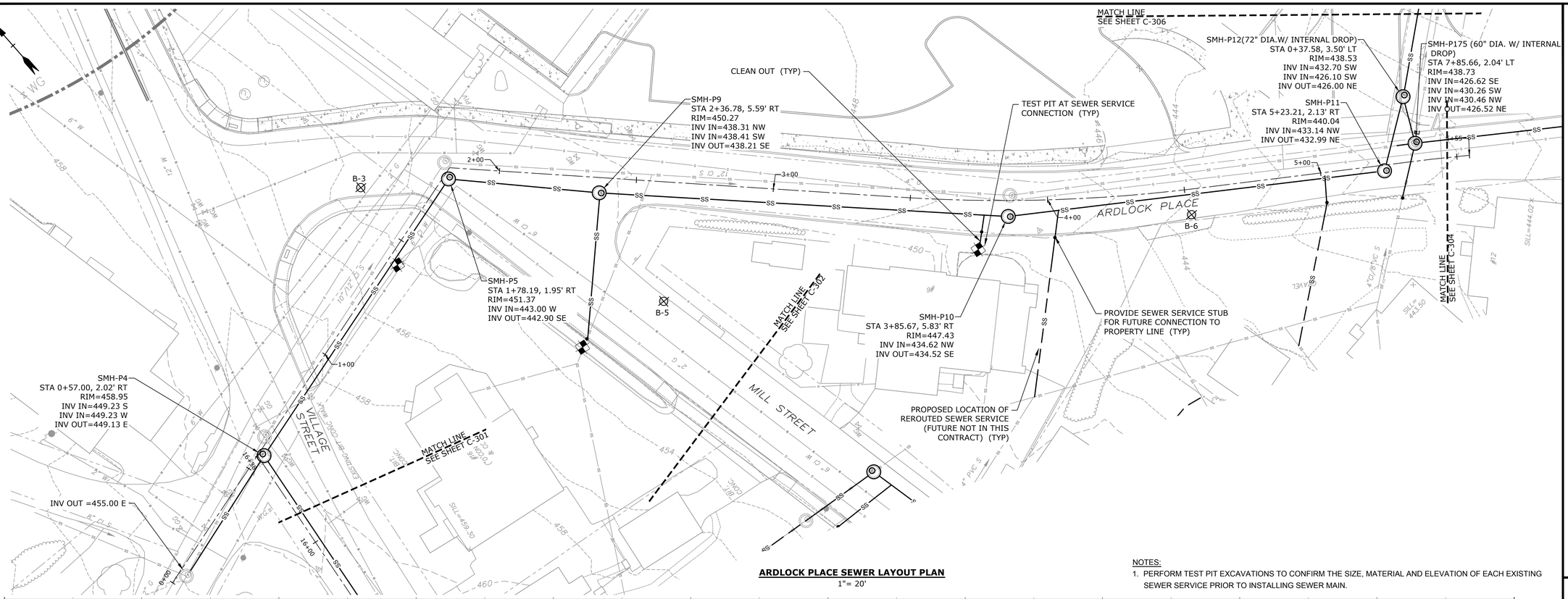
MARK	DATE	DESCRIPTION
0	04/10/2024	ISSUED FOR BIDDING

PROJECT NO:	D5011-018
DATE:	04/2024
FILE:	D5011-018 Proposed.dwg
DRAWN BY:	ND/ABS
CHECKED BY:	MPW
APPROVED BY:	JPV

WEST MAIN STREET
SEWER PLAN AND PROFILE-2

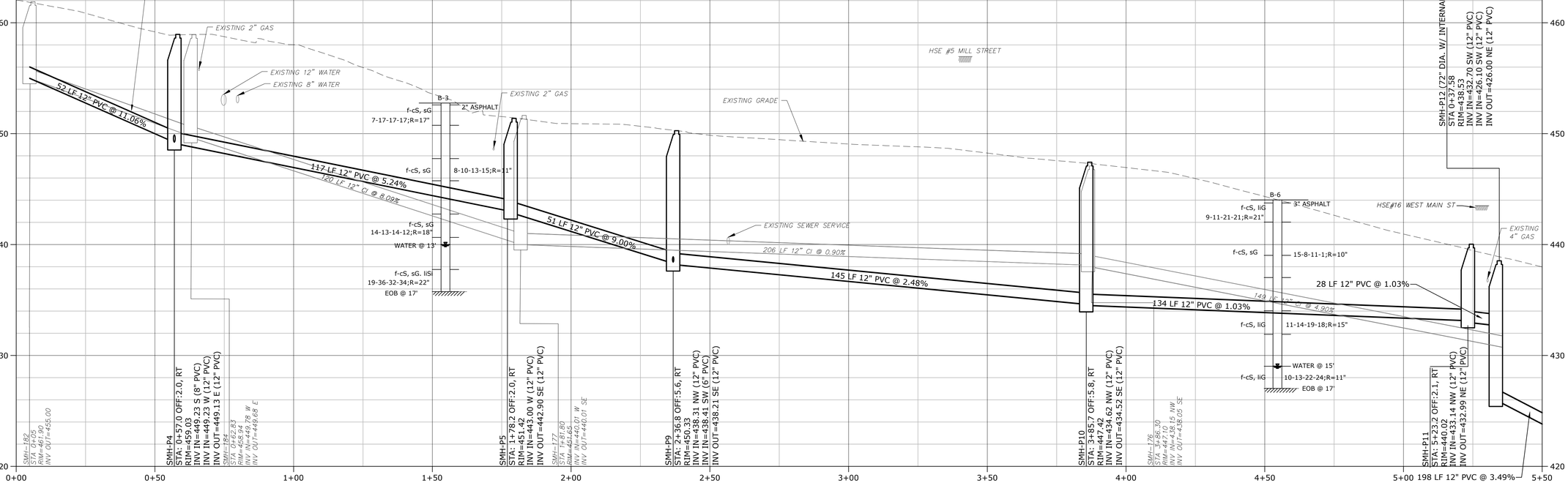
SCALE: HORIZ. 1" =20' ; VERT. 1"=4'

C-304



ARDLOCK PLACE SEWER LAYOUT PLAN
1"= 20'

NOTES:
1. PERFORM TEST PIT EXCAVATIONS TO CONFIRM THE SIZE, MATERIAL AND ELEVATION OF EACH EXISTING SEWER SERVICE PRIOR TO INSTALLING SEWER MAIN.



ARDLOCK PLACE SEWER PROFILE
HORIZONTAL SCALE:1"= 20' VERTICAL SCALE: 1" = 4'

SCALE: 1" = 20'

Last Saved: 4/10/2024
Plot Scale: Apr 10, 2024-12:00pm By: NDay
Tighe & Bond: J:\D\D5011 Dudley\018 Stevens Mill MassWork\Drawings_Figures\AutoCAD\Sheet\D5011-018 Proposed.dwg

Tighe&Bond

COMMONWEALTH OF MASSACHUSETTS
JOSEPH P VIAMARI JR.
CIVIL
No. 41776
REGISTERED PROFESSIONAL ENGINEER
04/11/2024

COMMONWEALTH OF MASSACHUSETTS
MATT WZOREK
CIVIL
No. 52674
REGISTERED PROFESSIONAL ENGINEER
04/10/2024

Stevens Mill Sewer and Sidewalk Replacement Project

Town of Dudley

Dudley,MA

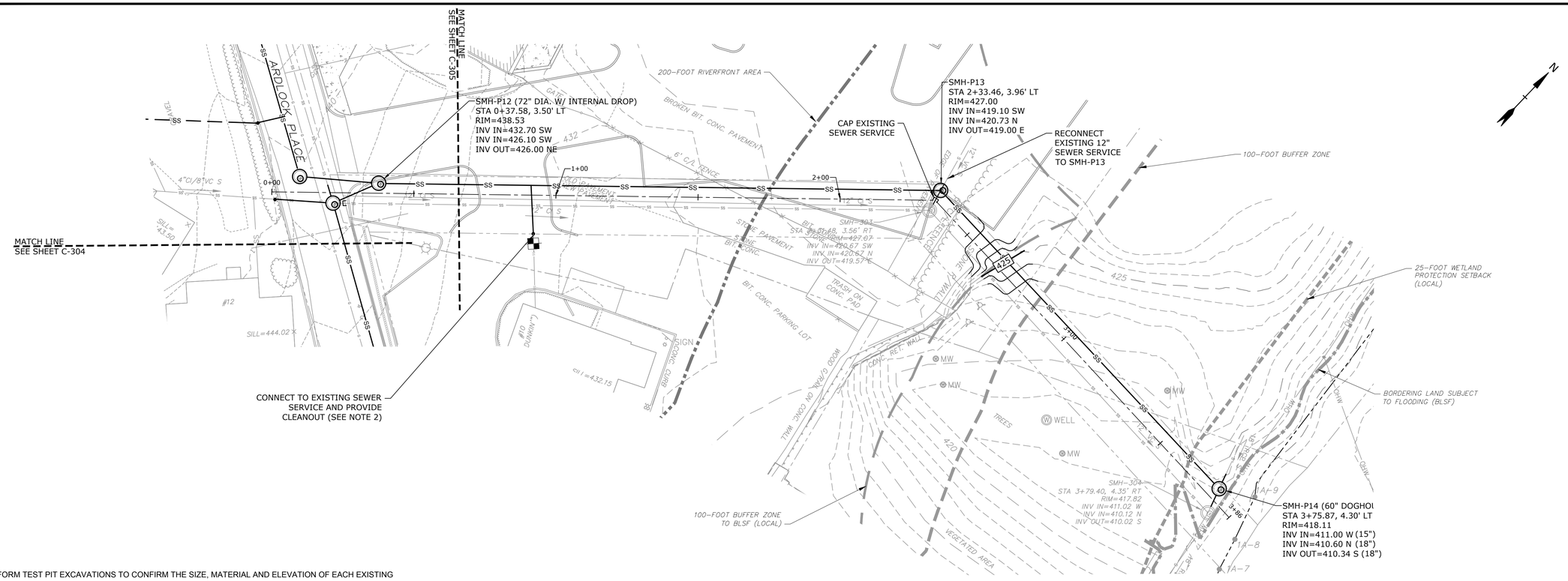
MARK	DATE	DESCRIPTION
0	04/10/2024	ISSUED FOR BIDDING

PROJECT NO:	D5011-018
DATE:	04/2024
FILE:	D5011-018 Proposed.dwg
DRAWN BY:	ND/ABS
CHECKED BY:	MPW
APPROVED BY:	JPV

ARDLOCK PLACE
SEWER PLAN AND PROFILE-1

SCALE: HORIZ. 1" =20' ; VERT. 1"=4'

C-305

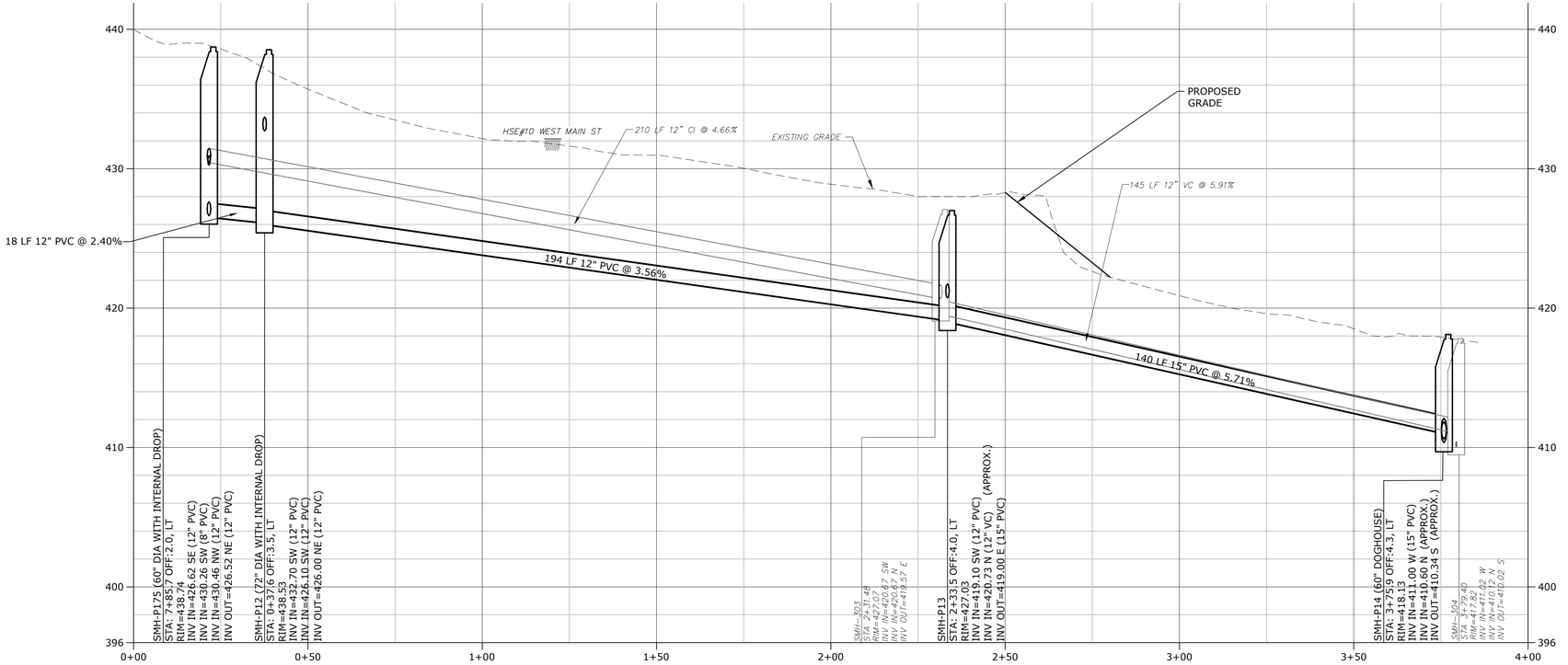


NOTES:

1. PERFORM TEST PIT EXCAVATIONS TO CONFIRM THE SIZE, MATERIAL AND ELEVATION OF EACH EXISTING SEWER SERVICE PRIOR TO INSTALLING SEWER MAIN.
2. LOCATION OF SEWER SERVICE IS UNKNOWN. LOCATE AND CONNECT TO EXISTING SEWER SERVICE WITH CLEANOUT.

ARDLOCK PLACE - EAST SEWER LAYOUT PLAN

1"= 20'



ARDLOCK PLACE - EAST SEWER PROFILE

HORIZONTAL SCALE:1"= 20' VERTICAL SCALE: 1" = 4'

0 20' 40'

SCALE: 1" = 20'

Tighe&Bond

COMMONWEALTH OF MASSACHUSETTS
JOSEPH P VIAMARI JR.
CIVIL
No. 41776
REGISTERED PROFESSIONAL ENGINEER
04/11/2024

COMMONWEALTH OF MASSACHUSETTS
MATT WZOREK
CIVIL
No. 52674
REGISTERED PROFESSIONAL ENGINEER
04/10/2024

Stevens Mill Sewer and Sidewalk Replacement Project

Town of Dudley

Dudley,MA

MARK	DATE	DESCRIPTION
0	04/10/2024	ISSUED FOR BIDDING

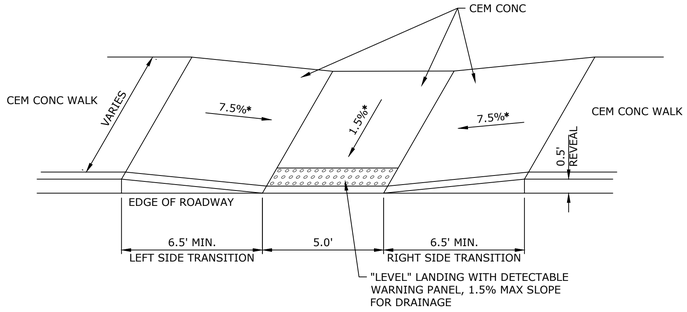
PROJECT NO:	D5011-018
DATE:	04/2024
FILE:	D5011-018 Proposed.dwg
DRAWN BY:	ND/ABS
CHECKED BY:	MPW
APPROVED BY:	JPV

ARDLOCK PLACE
SEWER PLAN AND PROFILE-2

SCALE: HORIZ. 1" =20' ; VERT. 1"=4'

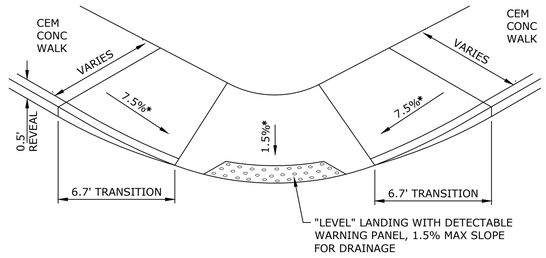
C-306

Last Saved: 4/10/2024
Plotted: Wed, Apr 10, 2024 - 12:00pm By: NDay
Tighe & Bond J:\D\D5011 Dudley\D\18 Stevens Mill MassWorks\Drawings_Figures\AutoCAD\Sheet\D5011-018 Proposed.dwg



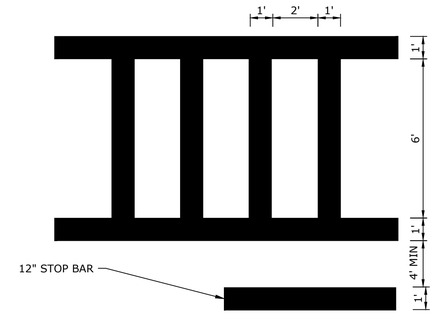
* TOLERANCE FOR CONSTRUCTION ±.5%

TYPICAL WHEELCHAIR RAMP - TYPE 1
NO SCALE



* TOLERANCE FOR CONSTRUCTION ±.5%

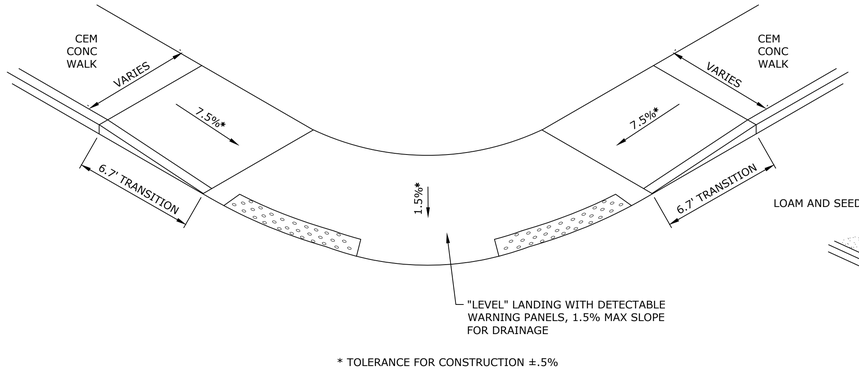
TYPICAL WHEELCHAIR RAMP - TYPE 2
NO SCALE



CROSSWALK STRIPING
NO SCALE

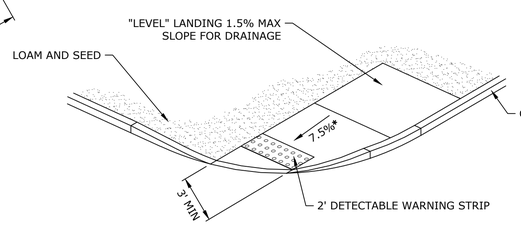
NOTE:

1. CONTRACTOR TO USE DUDLEY DPW STANDARD CROSS WALK STENCIL.



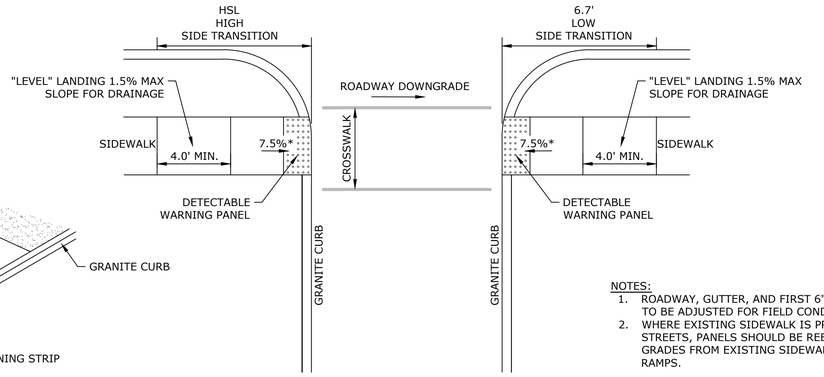
* TOLERANCE FOR CONSTRUCTION ±.5%

TYPICAL WHEELCHAIR RAMP - TYPE 3
NO SCALE



* TOLERANCE FOR CONSTRUCTION ±.5%

TYPICAL WHEELCHAIR RAMP - TYPE 5
NO SCALE



* TOLERANCE FOR CONSTRUCTION ±.5%

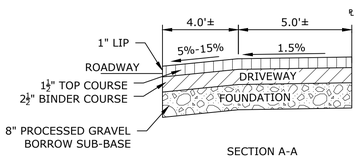
TYPICAL WHEELCHAIR RAMP - TYPE 4
NO SCALE

NOTES:

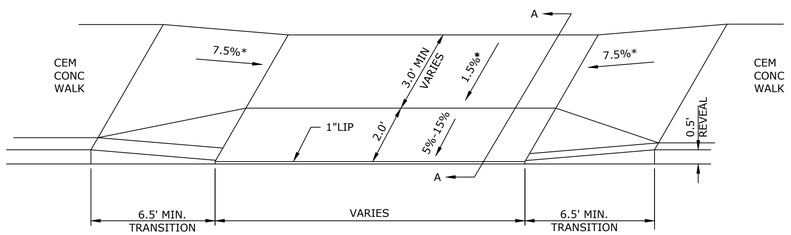
1. ROADWAY, GUTTER, AND FIRST 6" OF SIDEWALK TO BE ADJUSTED FOR FIELD CONDITIONS.
2. WHERE EXISTING SIDEWALK IS PRESENT ON SIDE STREETS, PANELS SHOULD BE REBUILT TO BLEND GRADES FROM EXISTING SIDEWALK TO NEW RAMPS.

SIDEWALK AND WHEELCHAIR RAMP NOTES:

1. WIDTH OF WALKWAYS SHALL NOT BE LESS THAN 48 INCHES, EXCLUDING CURB.
2. AN UNOBSTRUCTED PATH OF TRAVEL SHALL BE PROVIDED WHICH IS AT LEAST 36 INCHES CLEAR, EXCLUDING CURB.
3. LOW SIDE TRANSITION LENGTH SHALL BE A MINIMUM OF 6'-6".
4. HIGH SIDE TRANSITION LENGTH AS SHOWN IN CURB TRANSITION LENGTHS TABLE.
5. THE WHEELCHAIR RAMP MAXIMUM SLOPES AND SIDE SLOPES (TRANSITIONS) WILL BE 7.5% WITH A CONSTRUCTION TOLERANCE OF 0.5%±.
6. WHERE THE ROAD PROFILE EXCEEDS 4%, THE HIGH SIDE TRANSITION LENGTH UNDER ANY CONDITIONS NEED NOT EXCEED 15-FEET.
7. AT NO TIME IS ANY PART OF THE WHEELCHAIR RAMP, EXCLUDING CURB TRANSITIONS, TO BE LOCATED OUTSIDE THE CROSSWALK. THE WHEELCHAIR RAMP ENTRANCE IS TO BE CENTERED IN THE CROSSWALK WHENEVER POSSIBLE.
8. THE ENTRANCE OF A WHEELCHAIR RAMP SHALL BE FLUSH WITH THE ROADWAY.
9. TESTING SURFACE: WHEN TESTING WITH A STRAIGHTEDGE PLACED PARALLEL TO THE LINE OF SLOPE THERE SHALL BE NO DEVIATION FROM A TRUE SURFACE IN EXCESS OF 1/4".
10. DETECTABLE WARNING PANELS ARE REQUIRED ON ALL OF THE PROPOSED WHEELCHAIR RAMPS AND ARE TO BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.



SECTION A-A



NOTES:
* TOLERANCE FOR CONSTRUCTION ±0.5%

SIDEWALK THROUGH DRIVEWAY - TYPE 1
NO SCALE

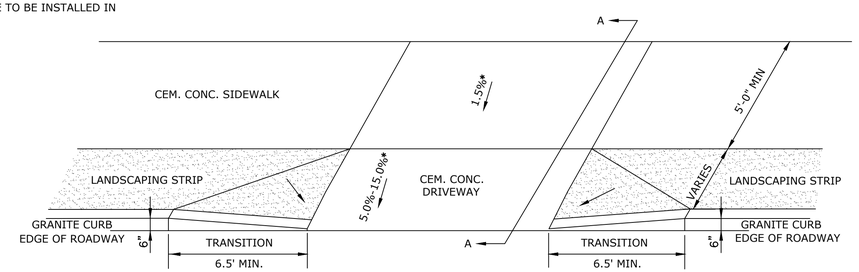
** HIGH SIDE TRANSITION LENGTH

ROADWAY PROFILE GRADE, %	TRANSITION LENGTH
0	6'-6"
>0-1	7'-8"
>1-2	9'-0"
>2-3	11'-0"
>3-4	14'-0"
>4	15'-0" MAX

NOTE:
** BASED ON A DESIGN SLOPE OF 7.5% AND A CURB REVEAL OF 6".

CURB TRANSISTION LENGTHS
NO SCALE

SECTION A-A



NOTES:
* TOLERANCE FOR CONSTRUCTION ±0.5%

SIDEWALK THROUGH DRIVEWAY - TYPE 2
NO SCALE

Tighe&Bond

COMMONWEALTH OF MASSACHUSETTS
JOSEPH P VIAMARI JR.
CIVIL
No. 41776
REGISTERED PROFESSIONAL ENGINEER
04/11/2024

COMMONWEALTH OF MASSACHUSETTS
MATT WZOREK
CIVIL
No. 52674
REGISTERED PROFESSIONAL ENGINEER
04/10/2024

Stevens Mill Sewer and Sidewalk Replacement Project

Town of Dudley

Dudley,MA

MARK	DATE	DESCRIPTION
0	04/10/2024	ISSUED FOR BIDDING

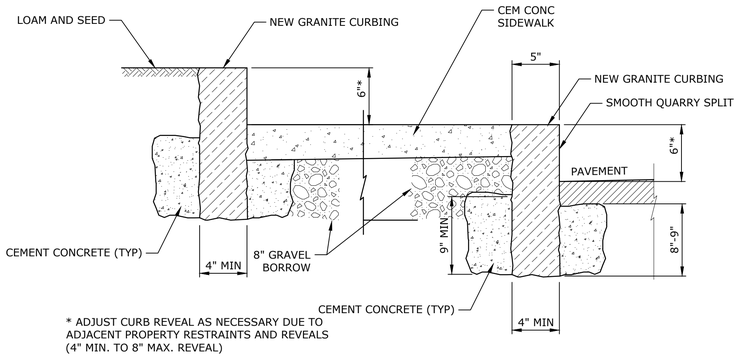
PROJECT NO:	D5011-018
DATE:	04/2024
FILE:	Details.dwg
DRAWN BY:	ND/ABS
CHECKED BY:	MPW
APPROVED BY:	JPV

SITE DETAILS - 1

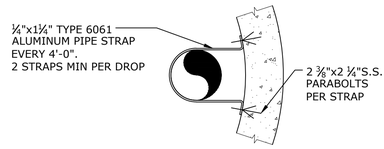
SCALE: AS SHOWN

C-501

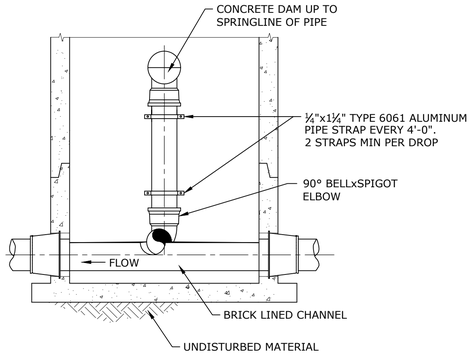
Last Saved: 4/10/2024
Plotted: Oct 10, 2024 - Apr 10, 2024-12:01pm By: NDay
Tighe & Bond: J:\D\D5011 Dudley\018 Stevens Mill MassWorks\Drawings_Figures\AutoCAD\Sheet\Details.dwg



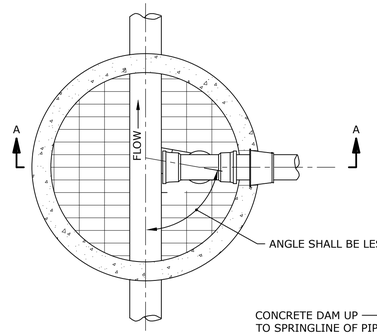
DOUBLE GRANITE CURB ON MILL STREET
NO SCALE



PIPE STRAP DETAIL

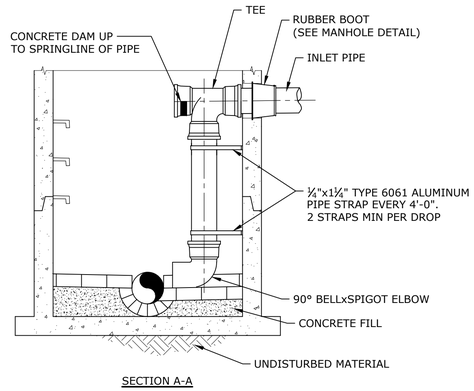


ELEVATION



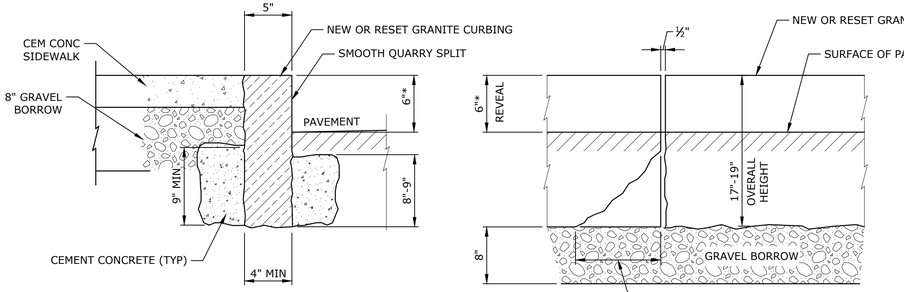
PLAN

NOTES:
1. RISER PIPE AND FITTINGS SHALL BE THE SAME DIAMETER AS THE INLET PIPE AND SHALL BE CONSTRUCTED OF SDR35 PVC PIPE
2. INTERIOR MANHOLE CHIMNEYS SHALL ONLY BE INSTALLED IN 60" DIAMETER OR LARGER MANHOLE. SEE MANHOLE DETAIL FOR FURTHER INFORMATION.
3. INTERIOR CHIMNEY TO BE USED FOR ALL SEWER PIPE CONNECTIONS 12" OR LESS IN DIAMETER.



SECTION A-A

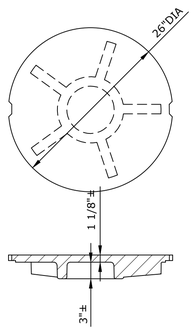
INTERIOR MANHOLE CHIMNEY
NO SCALE



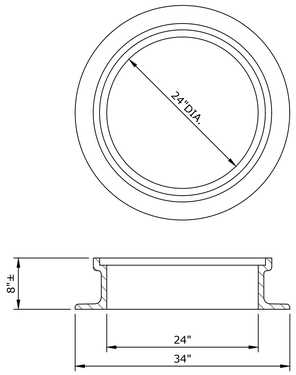
SECTION

ELEVATION

GRANITE CURB
NO SCALE



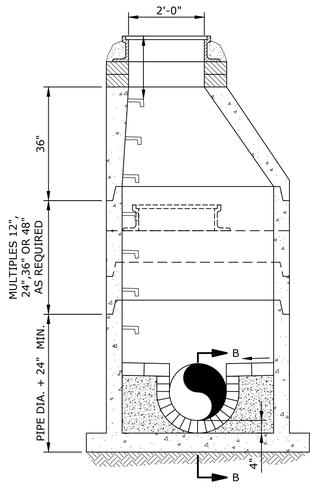
STANDARD MANHOLE COVER
MINIMUM WEIGHT: 200 LBS.

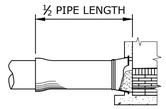


STANDARD MANHOLE FRAME
MINIMUM WEIGHT: 240 LBS.

NOTES:
1. FRAME AND COVER SHALL BE PROVIDED FROM THE SAME MANUFACTURER.
2. LETTERING SHALL BE CAST INTO COVERS AS SPECIFIED.

MANHOLE FRAME & COVER
NO SCALE

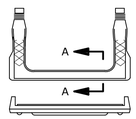




SECTION B-B

SECTION A-A

48" PRECAST SANITARY SEWER MANHOLE
NO SCALE



STANDARD MANHOLE RUNG

Tighe&Bond

COMMONWEALTH OF MASSACHUSETTS
JOSEPH P VIAMARI JR.
CIVIL
No. 41776
REGISTERED PROFESSIONAL ENGINEER
04/11/2024

COMMONWEALTH OF MASSACHUSETTS
MATT WZOREK
CIVIL
No. 52674
REGISTERED PROFESSIONAL ENGINEER
04/10/2024

Stevens Mill Sewer and Sidewalk Replacement Project

Town of Dudley

Dudley,MA

MARK	DATE	DESCRIPTION
0	04/10/2024	ISSUED FOR BIDDING

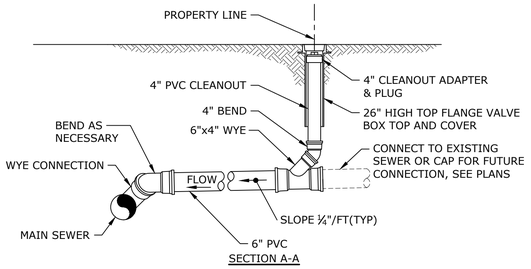
PROJECT NO:	D5011-018
DATE:	04/2024
FILE:	Details.dwg
DRAWN BY:	ND/ABS
CHECKED BY:	MPW
APPROVED BY:	JPV

SITE DETAILS - 2

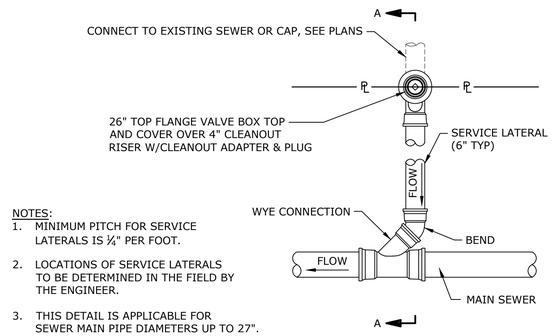
SCALE: AS SHOWN

C-502

Last Saved: 4/10/2024
Plotted On: 10-Apr-10-2024-12:01pm By: NDay
Tighe & Bond: J:\D\D5011 Dudley\0.18 Stevens Mill MassWorks\Drawings_Figures\AutoCAD\Sheet\Details.dwg



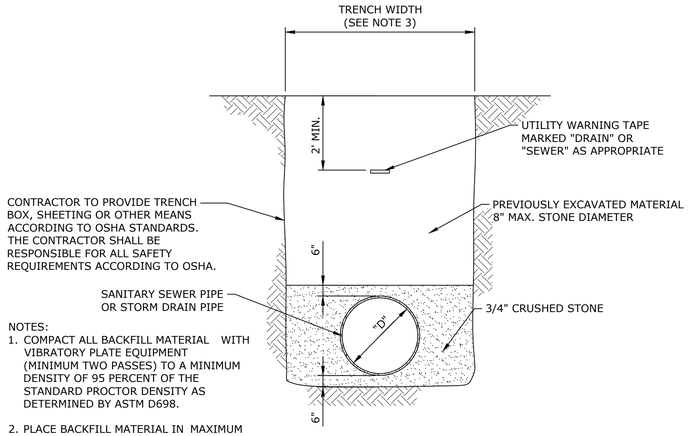
SECTION A-A



PLAN

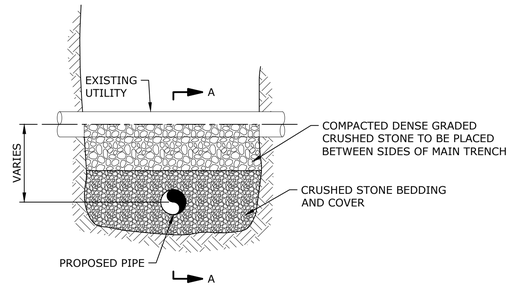
NOTES:
1. MINIMUM PITCH FOR SERVICE LATERALS IS ¼" PER FOOT.
2. LOCATIONS OF SERVICE LATERALS TO BE DETERMINED IN THE FIELD BY THE ENGINEER.
3. THIS DETAIL IS APPLICABLE FOR SEWER MAIN PIPE DIAMETERS UP TO 27". FOR LARGER PIPE THE CONTRACTOR SHALL PROVIDE 6" CONNECTION WITH SADDLE AND TAP.

SANITARY SERVICE LATERAL WITH CLEANOUT
NO SCALE

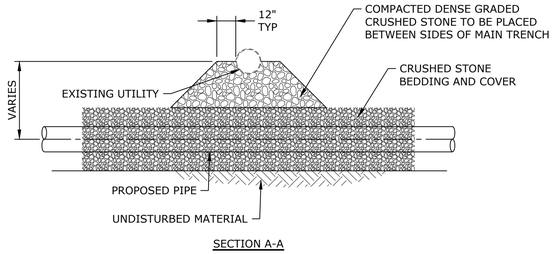


NOTES:
1. COMPACT ALL BACKFILL MATERIAL WITH VIBRATORY PLATE EQUIPMENT (MINIMUM TWO PASSES) TO A MINIMUM DENSITY OF 95 PERCENT OF THE STANDARD PROCTOR DENSITY AS DETERMINED BY ASTM D698.
2. PLACE BACKFILL MATERIAL IN MAXIMUM ONE FOOT LIFTS.
3. FOR PIPES LESS THAN 24" IN DIAMETER THE TRENCH WIDTH SHALL BE 5.0'. FOR PIPES 24" IN DIAMETER AND GREATER, TRENCH WIDTH SHALL BE THE PIPE DIAMETER + 3.0'.

TYPICAL SEWER TRENCH SECTION
NO SCALE

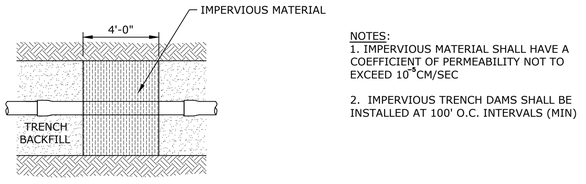


TYPICAL TRENCH SECTION



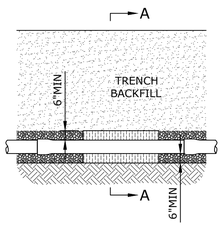
SECTION A-A

UTILITY CROSSING DETAIL
NO SCALE



TRENCH PLAN

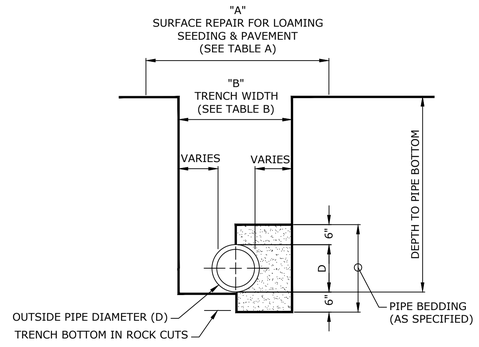
NOTES:
1. IMPERVIOUS MATERIAL SHALL HAVE A COEFFICIENT OF PERMEABILITY NOT TO EXCEED 10^{-5}CM/SEC
2. IMPERVIOUS TRENCH DAMS SHALL BE INSTALLED AT 100' O.C. INTERVALS (MIN)



TRENCH PROFILE

SECTION A-A

IMPERVIOUS TRENCH DAMS
NO SCALE



TYPICAL TRENCH SECTION

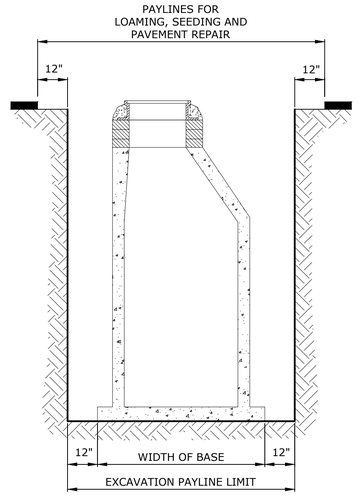
TABLE A - MAXIMUM SURFACE REPAIR PAY WIDTHS (SEE NOTE)			
OUTSIDE PIPE DIAMETER 0 - 24"		OUTSIDE PIPE DIAMETER GREATER THAN 24"	
TEMPORARY PAVEMENT	PERMANENT PAVEMENT & LOAMING & SEEDING	TEMPORARY PAVEMENT	PERMANENT PAVEMENT & LOAMING & SEEDING
6'-6" MAX.	8'-6" MAX.	D + 4'-0" MAX.	D + 6'-0" MAX.

TABLE B - MAXIMUM TRENCH EXCAVATION PAY WIDTHS (SEE NOTE)	
OUTSIDE PIPE DIAMETER 0 - 24"	OUTSIDE PIPE DIAMETER GREATER THAN 24"
5'-0"	D + 3'-0"

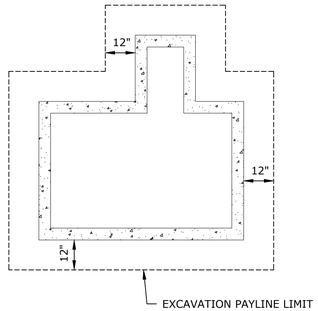
NOTE:

THE PAYLINE DIMENSIONS SHOWN REPRESENT THE MAXIMUM PAYLINE LIMITS TO BE PAID. WHEN THE ACTUAL SURFACE REPAIR OR TRENCH WIDTH IS LESS, THE ACTUAL WIDTH SHALL BE PAID FOR AT THE APPLICABLE UNIT PRICE.

TRENCH PAYLINES
NO SCALE



MANHOLE STRUCTURES
(SECTION VIEW)



VAULTS AND OTHER STRUCTURES
(PLAN VIEW)

PAYLINES FOR STRUCTURES
NO SCALE

Tighe&Bond

COMMONWEALTH OF MASSACHUSETTS
JOSEPH P VIAMARI JR.
CIVIL
No. 41776
REGISTERED PROFESSIONAL ENGINEER
04/11/2024

COMMONWEALTH OF MASSACHUSETTS
MATT WZOREK
CIVIL
No. 52674
REGISTERED PROFESSIONAL ENGINEER
04/10/2024

Stevens Mill Sewer and Sidewalk Replacement Project

Town of Dudley

Dudley,MA

MARK	DATE	DESCRIPTION
0	04/10/2024	ISSUED FOR BIDDING

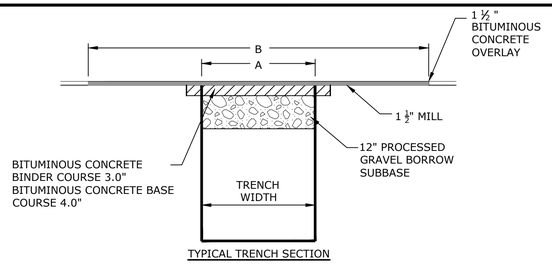
PROJECT NO:	D5011-018
DATE:	04/2024
FILE:	Details.dwg
DRAWN BY:	ND/ABS
CHECKED BY:	MPW
APPROVED BY:	JPV

SITE DETAILS - 3

SCALE: AS SHOWN

C-503

Last Saved: 4/10/2024
Plotted: Apr 10, 2024-12:01pm By: NDay
Tighe & Bond: J:\D\D5011 Dudley\018 Stevens Mill MassWorks\Drawings_Figures\AutoCAD\Sheet\Details.dwg



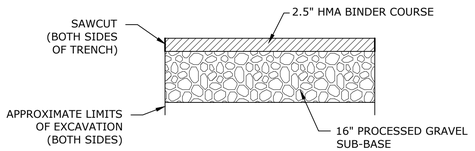
TYPICAL TRENCH SECTION

A = TRENCH PATCH PAYLINE LIMIT, WHICH SHALL BE THE ACTUAL PAVEMENT PATCH WIDTH REPAIRED, UP TO A MAXIMUM WIDTH OF 6'-6" FOR PIPES LESS THAN OR EQUAL TO 24" DIAMETER AND THE PIPE DIAMETER PLUS 4 FT FOR PIPES GREATER THAN 24" DIAMETER.

B = FULL WIDTH PAVEMENT OVERLAY PAYLINE LIMIT, WHICH SHALL BE THE ACTUAL EXISTING ROADWAY WIDTH.

FULL WIDTH MILL AND OVERLAY - WEST MAIN STREET

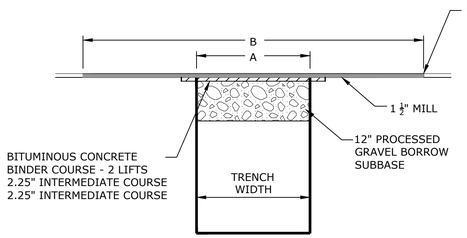
NO SCALE



NOTES:
1. PLACED WEEKLY ON FRIDAYS (OR LAST DAY OF THE WORK WEEK) ON TOWN ROADS.
2. ANY ROUGH OR DAMAGED TRENCH EDGES SHALL BE SAWCUT CLEAN AND REPAVED.

TEMPORARY TRENCH REPAIR

NO SCALE



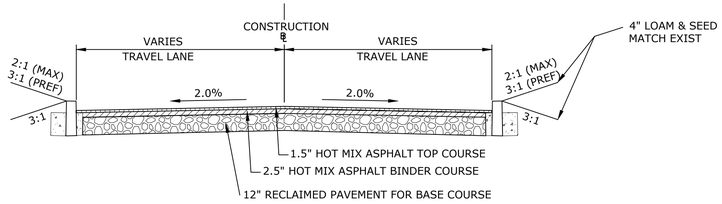
TYPICAL TRENCH SECTION

A = TRENCH PATCH PAYLINE LIMIT, WHICH SHALL BE THE ACTUAL PAVEMENT PATCH WIDTH REPAIRED, UP TO A MAXIMUM WIDTH OF 6'-6" FOR PIPES LESS THAN OR EQUAL TO 24" DIAMETER AND THE PIPE DIAMETER PLUS 4 FT FOR PIPES GREATER THAN 24" DIAMETER.

B = FULL WIDTH PAVEMENT OVERLAY PAYLINE LIMIT, WHICH SHALL BE THE ACTUAL EXISTING ROADWAY WIDTH.

FULL WIDTH MILL AND OVERLAY - VILLIAGE STREET

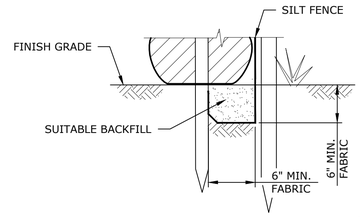
NO SCALE



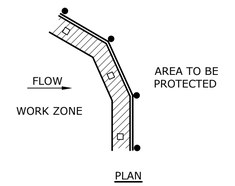
NOTE:
1. ROAD SECTION SHOWN IS CONSIDERED TYPICAL. FIELD MODIFICATIONS TO MATCH EXISTING CONDITIONS ARE ANTICIPATED.
2. GRANITE CURB TO BE INSTALLED AS SHOWN ON THE PLANS.
3. REMOVE AND DISPOSE OF EXCESS MATERIAL.

TYPICAL PAVEMENT RECLAMATION SECTION

NO SCALE

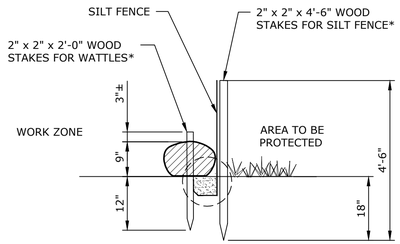


FABRIC TOE-IN DETAIL



PLAN

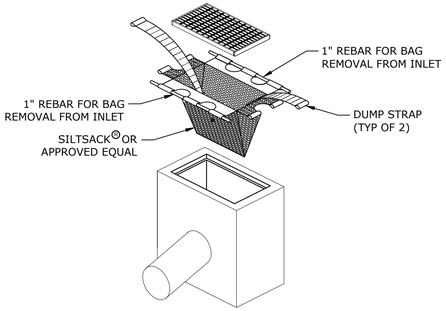
*-STAKES TO BE SPACED AT 4'-5' O.C.
STAGGER STAKES BETWEEN STRAW WATTLES AND SILT FENCE



SECTION

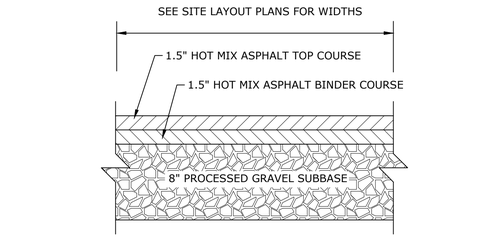
EROSION CONTROL BARRIER DETAIL

NO SCALE



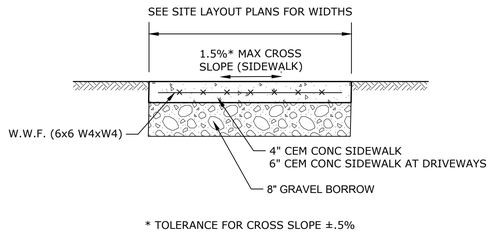
CATCH BASIN SEDIMENTATION CONTROL DEVICE

NO SCALE



HMA DRIVEWAY AND SIDEWALK REPAIR

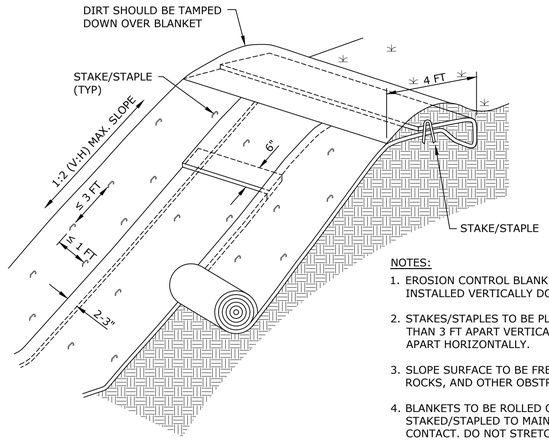
NO SCALE



* TOLERANCE FOR CROSS SLOPE ±.5%

CEMENT CONCRETE SIDEWALK SECTION

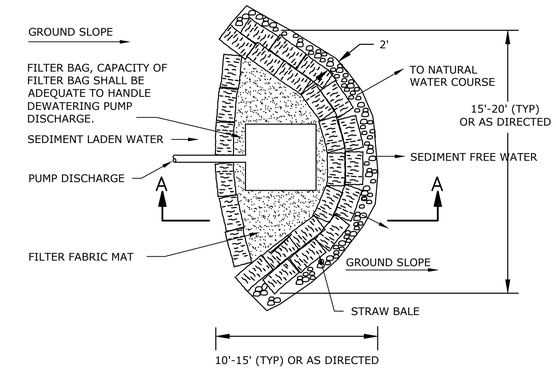
NO SCALE

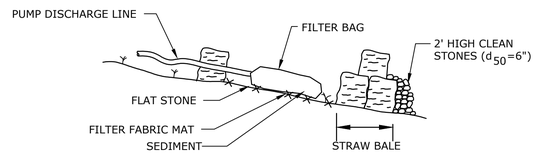


NOTES:
1. EROSION CONTROL BLANKET TO BE INSTALLED VERTICALLY DOWNSLOPE.
2. STAKES/STAPLES TO BE PLACED NO MORE THAN 3 FT APART VERTICALLY, AND 1 FT APART HORIZONTALLY.
3. SLOPE SURFACE TO BE FREE OF STICKS, ROCKS, AND OTHER OBSTRUCTIONS.
4. BLANKETS TO BE ROLLED OUT LOOSELY AND STAKED/STAPLED TO MAINTAIN DIRECT SOIL CONTACT. DO NOT STRETCH THE BLANKETS.
5. AREA TO BE SEEDED WITH SLOPE RESTORATION SEED MIX.

EROSION CONTROL BLANKET

NO SCALE





SECTION A-A

SEDIMENTATION DEWATERING BASIN

NO SCALE

Tighe&Bond

COMMONWEALTH OF MASSACHUSETTS
JOSEPH P VIAMARI JR.
CIVIL
No. 41776
REGISTERED PROFESSIONAL ENGINEER
04/11/2024

COMMONWEALTH OF MASSACHUSETTS
MATT WZOREK
CIVIL
No. 52674
REGISTERED PROFESSIONAL ENGINEER
04/10/2024

Stevens Mill Sewer and Sidewalk Replacement Project

Town of Dudley

Dudley,MA

MARK	DATE	DESCRIPTION
0	04/10/2024	ISSUED FOR BIDDING

PROJECT NO:	D5011-018
DATE:	04/2024
FILE:	Details.dwg
DRAWN BY:	ND/ABS
CHECKED BY:	MPW
APPROVED BY:	JPV

SITE DETAILS - 4

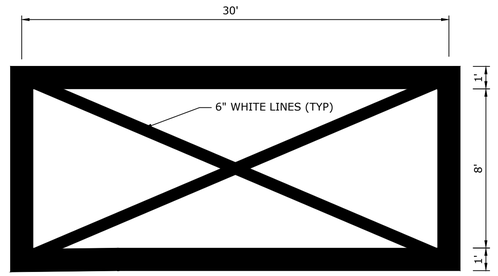
SCALE: AS SHOWN

C-504

Last Saved: 4/10/2024
Plotted On: Apr 10, 2024-12:01pm By: NDay
Tighe & Bond: J:\D\D5011 Dudley\D18 Stevens Mill MassWorks\Drawings_Figures\AutoCAD\Sheet\Details.dwg

TRAFFIC SIGN SUMMARY

IDENTIFICATION NUMBER	SIZE OF SIGN		TEXT	NUMBER OF SIGNS REQ'D		TEXT DIMENSIONS (inches)			COLOR			POST SIZE AND NUMBER REQUIRED		AREA IN SQUARE FEET		NOTES
	WIDTH (inches)	HEIGHT (inches)		BASE BID	ALTERNATE 2	LETTER HEIGHT	VERTICAL SPACING	ARROW RTE MKR	BACK-GROUND	LEGEND	BORDER	BASE BID	ALTERNATE 2	BASE BID	ALTERNATE 2	
W11-2	36	36		-	4	SEE MUTCD STANDARDS			SEE MUTCD STANDARDS			-	P5 4	-	36	-
W16-7P	30	18		-	2							-	MTD W/ W11-2	-	7.5	-
R1-1	30	30		5	-							P5 5	-	31.25	-	-
W16-9P	24	12		-	2							-	MTD W/ W11-2	-	4	-
R10-7	24	30		1	-							P5 1	-	5	-	-
										TOTALS		6	4	36.25	47.5	-

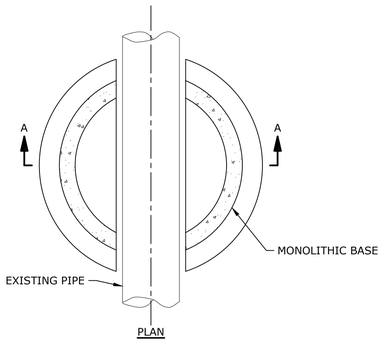


DO NOT BLOCK INTERSECTION DETAIL

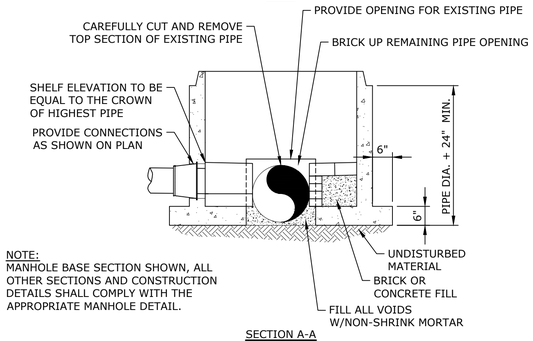
NO SCALE

NOTE:

1. CONTRACTOR TO USE REFLECTIVE WHITE PAINT
2. PAVEMENT MARKING MATERIALS AND LAYOUT TO CONFORM TO RELEVANT PROVISIONS OF THE MASSDOT STANDARD SPECIFICATIONS AND THE MUTCD STANDARDS



PLAN



NOTE:
MANHOLE BASE SECTION SHOWN, ALL OTHER SECTIONS AND CONSTRUCTION DETAILS SHALL COMPLY WITH THE APPROPRIATE MANHOLE DETAIL.

SECTION A-A

PRECAST "DOGHOUSE" MANHOLE BASE

NO SCALE

Tighe&Bond

COMMONWEALTH OF MASSACHUSETTS
JOSEPH P VIAMARI JR.
CIVIL
No. 41776
REGISTERED PROFESSIONAL ENGINEER
04/11/2024

COMMONWEALTH OF MASSACHUSETTS
MATT WZOREK
CIVIL
No. 52674
REGISTERED PROFESSIONAL ENGINEER
04/10/2024

Stevens Mill Sewer and Sidewalk Replacement Project

Town of Dudley

Dudley,MA

MARK	DATE	DESCRIPTION
0	04/10/2024	ISSUED FOR BIDDING

PROJECT NO:	D5011-018
DATE:	04/2024
FILE:	Details.dwg
DRAWN BY:	ND/ABS
CHECKED BY:	MPW
APPROVED BY:	JPV

SITE DETAILS - 5

SCALE: AS SHOWN

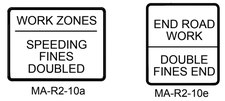
C-505

GENERAL NOTES:

1. ALL TEMPORARY TRAFFIC CONTROL WORK SHALL CONFORM TO THE LATEST ADOPTED EDITION OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD) AND ALL REVISIONS AND MASSACHUSETTS AMENDMENTS, UNLESS SUPERCEDED BY THESE PLANS.
2. ALL SIGN LEGENDS, BORDERS, AND MOUNTING SHALL BE IN ACCORDANCE WITH THE MUTCD.
3. TEMPORARY CONSTRUCTION SIGNING AND ALL OTHER TRAFFIC CONTROL DEVICES SHALL BE IN PLACE PRIOR TO THE START OF ANY WORK.
4. TEMPORARY CONSTRUCTION SIGNING, BARRICADES, AND ALL OTHER NECESSARY WORK ZONE TRAFFIC CONTROL DEVICES SHALL BE REMOVED FROM THE HIGHWAY OR COVERED WHEN THEY ARE NOT REQUIRED FOR CONTROL OF TRAFFIC.
5. SIGNS AND SIGN SUPPORTS LOCATED ON OR NEAR THE TRAVELED WAY, CHANNELIZING DEVICES, BARRIERS, AND CRASH ATTENUATORS MUST PASS THE CRITERIA SET FORTH IN NCHRP REPORT 350, "RECOMMENDED PROCEDURES FOR THE SAFETY PERFORMANCE EVALUATION OF HIGHWAY FEATURES" AND/OR "MANUAL FOR ASSESSING SAFETY HARDWARE" (MASH).
6. CONTRACTORS SHALL NOTIFY EACH ABUTTER AT LEAST 24 HOURS IN ADVANCE OF THE START OF ANY WORK THAT WILL REQUIRE THE TEMPORARY CLOSURE OF ACCESS, SUCH AS CONDUIT INSTALLATION, EXISTING PAVEMENT EXCAVATION, TEMPORARY DRIVEWAY PAVEMENT PLACEMENT, AND SIMILAR OPERATIONS.
7. THE FIRST FIVE PLASTIC DRUMS OF A TAPER SHALL BE MOUNTED WITH TYPE A LIGHTS.
8. THE ADVISORY SPEED LIMIT, IF REQUIRED, SHALL BE DETERMINED BY THE ENGINEER.
9. MAXIMUM SPACING OF TRAFFIC DEVICES IN A TAPER (DRUMS OR CONES) IS EQUAL IN FEET TO THE SPEED LIMIT IN MPH.
10. MINIMUM LANE WIDTH IS TO BE 11 FEET UNLESS OTHERWISE SHOWN. MINIMUM LANE WIDTH TO BE MEASURED FROM THE EDGE OF DRUMS OR MEDIAN BARRIER.
11. ALL SIGNS SHALL BE MOUNTED ON THEIR OWN STANDARD SIGN SUPPORTS.
12. SIGN MA-R2-10a AND MA-R2-10e SHALL BE LOCATED AT THE PROJECT LIMITS FOR THE DURATION OF THE WORK.

LEGEND:

- REFLECTORIZED PLASTIC DRUM OR 36" CONE
- P/F POLICE/FLAGGER DETAIL
- TYPE III BARRICADE
- ARROW BOARD
- WORK ZONE
- DIRECTION OF TRAFFIC
- SIGN



R2-10
60"X48"

WORK ZONE LIMIT SIGNS

SEE NOTE 12

FORMULAS FOR DETERMINING TAPER LENGTHS

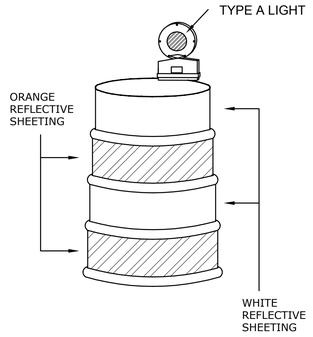
SPEED LIMIT (S)	TAPER LENGTH (L) FEET
40 MPH OR LESS	$L = \frac{WS^2}{60}$
45 MPH OR MORE	L = WS

WHERE:

L = TAPER LENGTH IN FEET

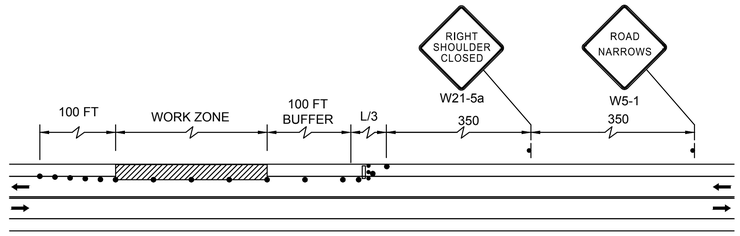
W = WIDTH OF OFFSET IN FEET

S = POSTED SPEED LIMIT, OR OFF-PEAK 85TH-PERCENTILE SPEED PRIOR TO WORK STARTING, OR THE ANTICIPATED OPERATING SPEED IN MPH

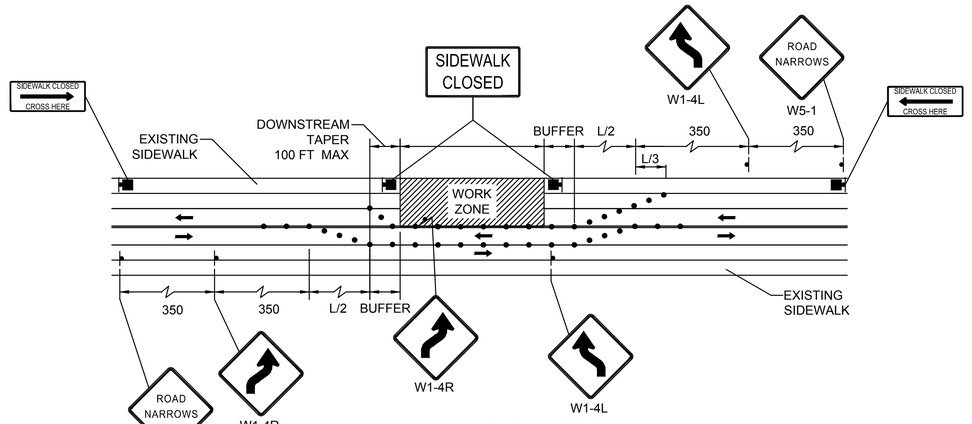


NOTES:

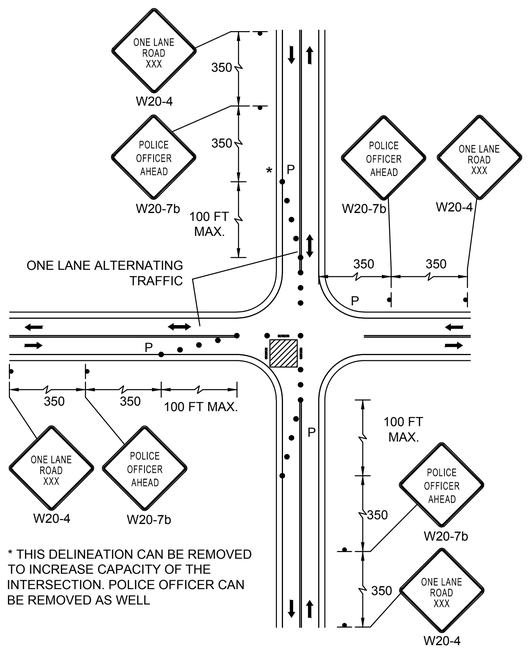
1. DRUM DESIGN AND APPLICATION SHALL BE AS PER THE CURRENT EDITION OF THE MUTCD.
2. DRUMS SHALL BE APPROXIMATELY 36" IN HEIGHT, HAVING A MINIMUM WALL THICKNESS OF 3/32" AND A MINIMUM DIAMETER OF 18" REGARDLESS OF ORIENTATION.
3. DRUM MATERIAL MUST BE APPROVED UV RESISTANT, LOW DENSITY, IMPACT RESISTANT, LINEAR POLYETHYLENE (OR APPROVED EQUIVALENT).
4. SHEETING SHALL BE APPROVED ORANGE AND WHITE TYPE IV REFLECTORIZED SHEETING CONFORMING TO M9.30.0.
5. ALL DRUMS SHALL BE WELL MAINTAINED INCLUDING REMOVAL OF DUST OR ROAD FILM, SO AS NOT TO REDUCE REFLECTIVE EFFICIENCY. WHEN A DRUM LOSES TARGET VALUE IT SHALL BE REPLACED.
6. STORE UNUSED DRUMS IN ONE LOCATION, AWAY FROM ALL TRAFFIC, OR REMOVE FROM SITE ENTIRELY.



TWO LANE ROAD
SHOULDER CLOSED

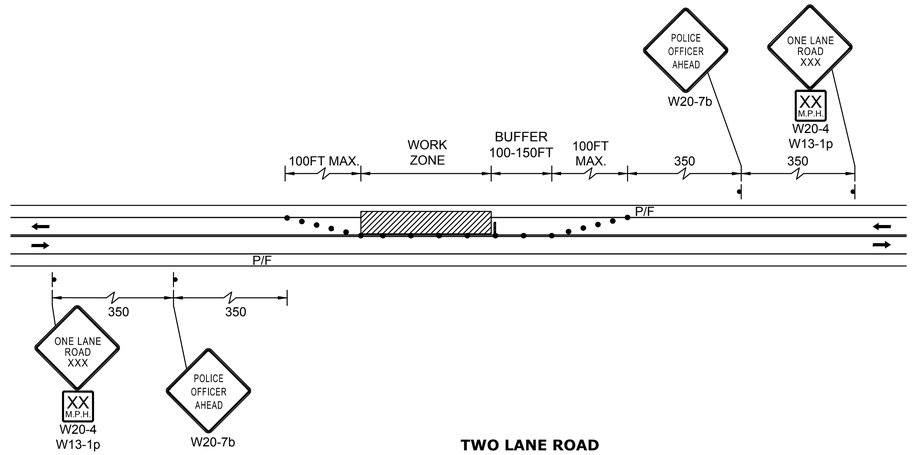


TWO LANE ROAD
SHOULDER AND TRAVEL LANE CLOSED
WITH PEDESTRIAN BYPASS



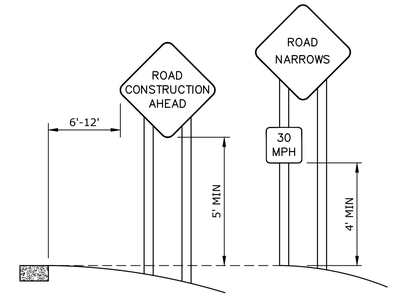
* THIS DELINEATION CAN BE REMOVED TO INCREASE CAPACITY OF THE INTERSECTION. POLICE OFFICER CAN BE REMOVED AS WELL

SINGLE LANE APPROACH
ONE QUADRANT CLOSURE

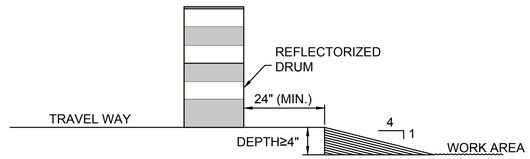


TWO LANE ROAD
ONE LANE ALTERNATING TRAFFIC

PLASTIC DRUMS

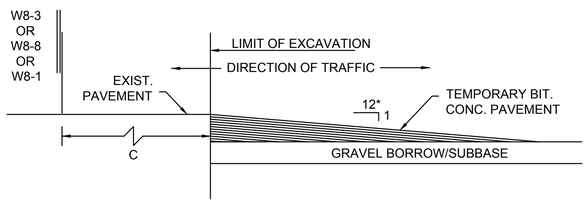


TYPICAL INSTALLATION OF PROJECT SIGNS



LATERAL DROP-OFF DETAIL

NOT TO SCALE



LONGITUDINAL DROP-OFF DETAIL

NOT TO SCALE

* - INCREASE SLOPE RATIO FOR HIGHER SPEEDS

LATERAL AND LONGITUDINAL DROP-OFF DETAILS

Tighe&Bond

COMMONWEALTH OF MASSACHUSETTS
JOSEPH P VIAMARI JR.
CIVIL
No. 41776
REGISTERED PROFESSIONAL ENGINEER
04/11/2024

COMMONWEALTH OF MASSACHUSETTS
MATT WZOREK
CIVIL
No. 52674
REGISTERED PROFESSIONAL ENGINEER
04/10/2024

Stevens Mill Sewer and Sidewalk Replacement Project

Town of Dudley

Dudley,MA

MARK	DATE	DESCRIPTION
0	04/10/2024	ISSUED FOR BIDDING

PROJECT NO:	D5011-018
DATE:	04/2024
FILE:	Details.dwg
DRAWN BY:	ND/ABS
CHECKED BY:	MPW
APPROVED BY:	JPV

TRAFFIC MANAGEMENT PLAN

SCALE: NO SCALE

C-506

Last Saved: 4/10/2024
Plotted: Apr 10, 2024-12:01pm By: NDay
Tighe & Bond: J:\D\D5011 Dudley\D18 Stevens Mill MassWorks\Drawings_Figures\AutoCAD\Sheet\Details.dwg