CONTRACT DRAWINGS

for the

- GODFREY BROOK CAPACITY IMPROVEMENTS PROJECT -WEST STREET TO WATER STREET

TOWN of MILFORD, MASSACHUSETTS

MILFORD HIGHWAY DEPARTMENT

and the

OFFICE of PLANNING and ENGINEERING

J. CRISAFULLI

HIGHWAY SURVEYOR



SHEET

TOWN ENGINEER

ELIZABETH MAININI, P.E.

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Sediment, Erosion and Water Control Plan Notes and Details

Demolition Plan and Existing Channel Centerline Profile (West Street to Water Street) Proposed Site Plan and Proposed Channel Layout Plan (West Street to Church Street) Proposed Site Plan and Proposed Channel Layout Plan (Church Street to Water Street)

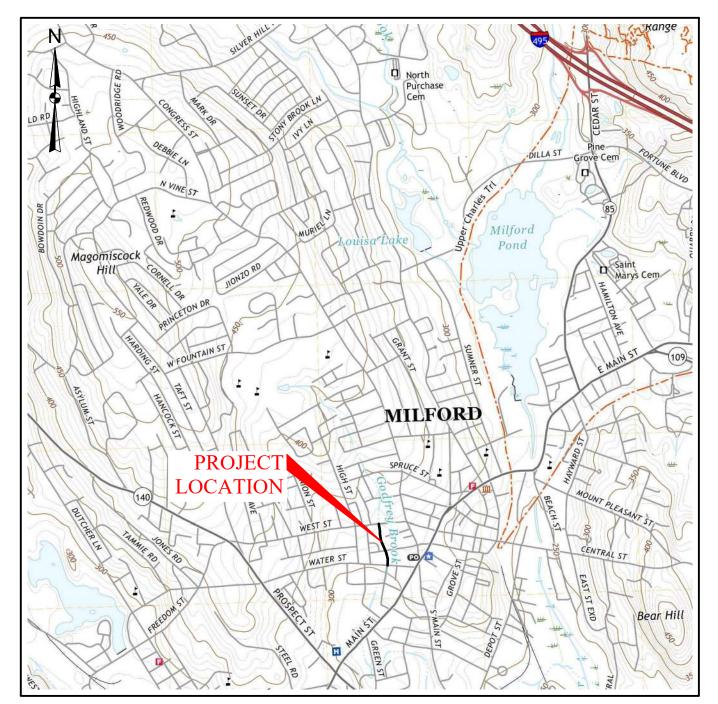
Profile - Proposed Channel Construction Baseline

Profile - Top of Proposed Cast-In-Place Channel Wall Cap

Proposed Culvert Profile and Details Channel Details

Site Details

Wetland Resource Areas and Proposed Restoration Plan



LOCUS PLAN U.S.G.S. MILFORD QUAD 2021 1"=2,000"

PROJECT FUNDING ASSISTANCE PROVIDED BY:

JANUARY, 2025

PRE-DISASTER MITIGATION GRANT PROGRAM (PDM)

"A Federal, State, and Local Partnership through the Federal Emergency Management Agency (FEMA)"

PDM GRANT NUMBER PDMC-PJ-01-MA-2019-004

Commonwealth of Massachusetts MAURA HEALEY, GOVERNOR

Massachusetts Emergency Management Agency DAWN BRANTLEY, DIRECTOR







PREPARED BY:

GZA GeoEnvironmental, Inc. Engineers and Scientists

ONE FINANCIAL PLAZA 1350 Main Street, Suite 1400 Springfield, MA 01103 413-726-2100

EXISTING CONDITIONS

WEST STREET TO WATER STREET GENERAL NOTES

 BASE SURVEY FOR THIS PROJECT WAS PROVIDED BY GUERRIERE AND HALNON, INC., MILFORD, MASSACHUSETTS, DATED 8/19/22. HORIZONTAL DATUM IS MASS. COORD. NAD-83. VERTICAL DATUM IS NAVD 88. COMPLETE TOPOGRAPHICAL PLANS FROM THIS SURVEY WORK CAN BE OBTAINED FROM THE TOWN OF MILFORD.

AS SHOWN ON THE PLANS ARE NOT GUARANTEED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT LOCATION, SIZE, TYPE, ETC. OF ALL UTILITIES THAT MAY BE AFFECTED BY THE WORK OF THIS PROJECT.

2. THE ACCURACY AND COMPLETENESS OF UNDERGROUND AND OVERHEAD UTILITIES

3. UNLESS OTHERWISE NOTED, ALL MATERIALS AND CONSTRUCTION METHODS AND DETAILS FOR THIS PROJECT SHALL CONFORM TO THE LATEST EDITION OF THE "STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES", MASSACHUSETTS DEPARTMENT OF TRANSPORTATION (MassDot), AS AMENDED, REFERRED TO HEREIN AS THE "STANDARD SPECIFICATIONS".

4. THE CONTRACTOR MAY USE A CERTAIN PORTION OF THE VERIZON (BELL ATLANTIC) PROPERTY AT 9 WATER STREET AS A STAGING AREA. THE CONTRACTOR SHALL REMOVE A PORTION OF THE FENCE FOR ACCESS FROM CHURCH STREET. AT THE END OF THIS PROJECT, THE CONTRACTOR SHALL RESTORE TO PRE-CONSTRUCTION CONDITIONS. INCLUDING REPLACE THE FENCE IN-KIND, REMOVE AND DISPOSE OF ALL INTERIOR FENCING AND OTHER INTERIOR IMPROVEMENTS AND SHALL SWEEP THE AREA CLEAN OF DUST AND DEBRIS AND RESTORE TO ORIGINAL CONDITION. ANY OTHER STAGING AREAS SHALL BE PROCURED BY THE CONTRACTOR AT THEIR OWN EXPENSE. ANY DAMAGE TO PRIVATE PROPERTY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

5. ALL PROPOSED CATCH BASIN AND DROP INLET FRAMES AND COVERS SHALL BE LEBARON FOUNDRY, INC. MODEL NO. LF-248-2, OR EQUIVALENT. ALL PROP. CATCH BASINS SHALL BE AS SHOWN IN MassDOT (SD) 201.4.0 EXCEPT THAT THE SUMP SHALL BE 4'-0" DEEP. ALL CATCH BASINS SHALL BE EQUIPPED WITH HOODS AS PER MassDot (SD) 201.12.0. ALL CATCH BASIN GRATES SHALL BE MARKED WITH LETTERING CAST INTO THE GRATE, "DUMP NO WASTE! DRAINS TO WATERWAYS".

6. ALL PROPOSED DRAINAGE STRUCTURES SHALL BE SUPPORTED WITH A 12" THICK CRUSHED STONE (M2.01.1) FOUNDATION.

7. ALL REINFORCED CONCRETE PIPE USED ON THIS PROJECT SHALL BE CLASS IV, UNLESS OTHERWISE DESIGNATED ON THE PLANS.

8. ALL EXISTING DRAIN AND SANITARY SEWER LINES TO BE REPLACED SHALL BE ABANDONED IN PLACE AFTER REPLACEMENT. IF THEY CONFLICT WITH ANY PROPOSED WORK THEY SHALL BE REMOVED.

9. WHERE LINES OR STRUCTURES ARE ABANDONED IN PLACE, THE CONTRACTOR SHALL ENSURE THAT ALL CONNECTING PIPES, INLETS, AND OUTLETS ARE PLUGGED. ALL LIVE CONNECTIONS SHALL BE CONNECTED TO NEW WORK TO THE SATISFACTION OF THE ENGINEER.

10. CATCH BASIN. DROP INLET, AND MANHOLE FRAMES AND GRATES/COVERS SHALL CLEARLY ALIGN WITH THE OPENINGS IN THE PRECAST STRUCTURES.

11. ALL STRUCTURE STATIONS AND OFFSETS ARE TO THE CENTER POINT OF THE PROP. GRATE OR COVER.

12. NEW SIDEWALKS, WHEELCHAIR RAMPS, PRIVATE WALKS AND DRIVEWAYS SHALL BE CONSTRUCTED TO THE NEAREST SCORE LINE OR EXPANSION JOINT IN THE EXISTING ADJACENT SURFACES OR AS DIRECTED BY THE ENGINEER. PROPOSED CEMENT CONCRETE SIDEWALKS SHALL INCLUDE REMOVAL OF EXISTING SIDEWALK SURFACES.

13. ALL WHEELCHAIR RAMPS SHALL MEET THE LATEST REQUIREMENTS OF THE MASSACHUSETTS ARCHITECTURAL ACCESS BOARD AND THE LATEST STANDARDS OF THE MASSACHUSETTS DEPARTMENT OF TRANSPORTATION.

14. ALL DRIVEWAY REPAIRS SHALL BE "TYPICAL DRIVEWAYS" AS SHOWN IN THE DETAILS.

15. IN EXCAVATION AREAS, ALL TOPSOIL SHALL BE REMOVED TO A DEPTH OF 12" (MINIMUM) OR AS DIRECTED BY THE ENGINEER AND SHALL BE STOCKPILED FOR RESPREADING AFTER BACKFILLING IS COMPLETED.

16. MAILBOXES, FENCES, STREET SIGNS, LANDSCAPING FEATURES, ETC. THAT NEED TO BE REMOVED AND RESET OR RELOCATED SHALL BE DONE SO TO THE SATISFACTION OF THE ENGINEER. ALL ITEMS SHALL BE SET TO MassDOT STANDARDS. ELECTRIC DOG FENCES ENCOUNTERED DURING THE WORK SHALL BE PROTECTED OR RESTORED.

17. EXISTING STRUCTURES, INCLUDING BUILDINGS, ARE LOCATED PROXIMATE TO THE PROPOSED WORK. THE CONTRACTOR SHALL PROTECT ALL STRUCTURES TO REMAIN.

18. CONTRACTOR SHALL COMPLY IN ALL RESPECTS WITH ALL PERMITS ISSUED FOR THIS

19. EXISTING GODFREY BROOK WALLS ARE EITHER STONE AND MASONRY FIELDSTONE OR CONCRETE.

20. IF ANY ARTIFACTS OR HUMAN REMAINS ARE FOUND DURING GROUND DISTURBING ACTIVITIES, THE CONTRACTOR SHALL CEASE WORK AND IMMEDIATELY NOTIFY THE ENGINEER.

21. ALL DISTURBED AREAS NOT OTHERWISE SURFACED SHALL RECEIVE 6" LOAM AND SEED AND BE ESTABLISHED AS LAWNS

22.THE CONTRACTOR SHALL PERFORM TREE CLEARING PRIOR TO JUNE 1 AMD MAY NOT PERFORM TREE CLEARING BETWEEN JUNE 1 AND JULY 31.

NOTE: REFERENCES TO LEFT AND RIGHT ALONG CHANNEL ARE FACING DOWNSTREAM (SOUTH).

LEGEND

EXISTING WETLAND FLAG **BORING LOCATION** ----- EXISTING EDGE OF PAVEMENT ====== EXISTING CURB —— — — — EXISTING PROPERTY LINE ______ 310 _____ EXISTING 5 FT. CONTOUR — — — — 307— — — — EXISTING 1 FT. CONTOUR _____ × × × × EXISTING FENCE EXISTING GUARDRAIL _____ D ____ D ___ EXISTING STORM DRAIN LINE — S — S EXISTING SANITARY SEWER LINE —— EXISTING GAS LINE ____ W ____ EXISTING WATER LINE _____ OHW _____ —— EXISTING OVERHEAD WIRES EXISTING TREE LINE EXISTING TREE EXISTING BOLLARD EXISTING CATCH BASIN EXISTING DRAIN MANHOLE EXISTING SANITARY MANHOLE EXISTING UTILITY POLE EXISTING HYDRANT EXISTING WATER SERVICE SHUT OFF EXISTING WATER GATE EXISTING GAS VALVE



EXISTING CHANNEL CENTERLINE STATIONING



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GODFREY BROOK CAPACITY IMPROVEMENTS PROJECT MILFORD, MASSACHUSETTS

EXISTING CONDITIONS PLAN (WEST STREET TO WATER STREET)

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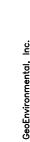
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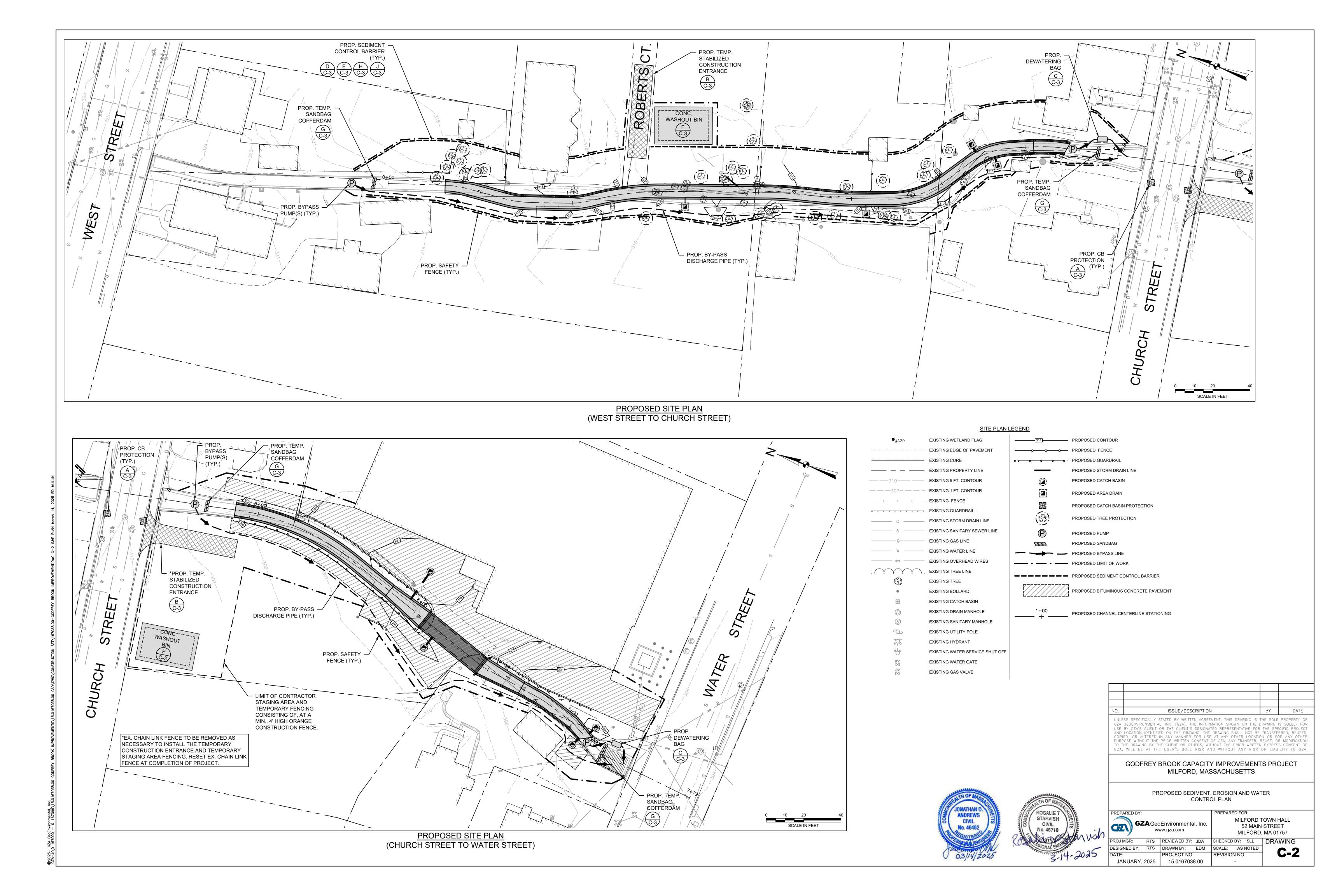
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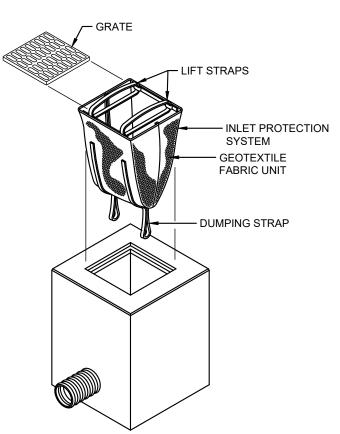
GZA GeoEnvironmental, Inc. www.gza.com			MILFORD TOWN HALL 52 MAIN STREET MILFORD, MA 01757					
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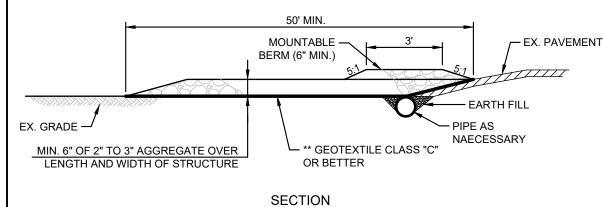


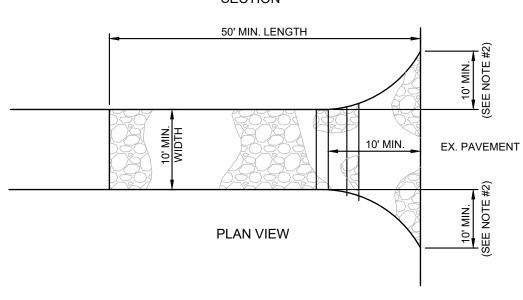
INSTALLATION AND MAINTENANCE GUIDELINES

INSTALLATION: REMOVE THE GRATE FROM CATCH BASIN. IF USING OPTIONAL OIL
ABSORBENTS; PLACE ABSORBENT PILLOW IN UNIT. STAND THE GRATE ON END. MOVE
THE TOP LIFTING STRAPS OUT OF THE WAY AND PLACE THE GRATE INTO THE
GEOTEXTILE FABRIC UNIT SO THAT THE GRATE IS BELOW THE TOP STRAPS AND
ABOVE THE LOWER STRAPS. HOLDING THE LIFTING DEVICES, INSERT THE GRATE INTO
THE INLET.

MAINTENANCE: REMOVE ALL ACCUMULATED SEDIMENT AND DEBRIS FROM VICINITY OF UNIT AFTER EACH STORM EVENT. AFTER EACH STORM EVENT AND AT REGULAR INTERVALS, LOOK INTO THE GEOTEXTILE FABRIC UNIT. IF THE CONTAINMENT AREA IS MORE THAT 1/3 FULL OF SEDIMENT, THE UNIT MUST BE EMPTIED. TO EMPTY UNIT, LIFT THE UNIT OUT OF THE INLET USING THE LIFTING STRAPS AND REMOVE THE GRATE. IF USING OPTIONAL OIL ABSORBENTS; REPLACE ABSORBENT WHEN NEAR SATURATION.







STABILIZED CONSTRUCTION ENTRANCE SPECIFICATIONS

- LENGTH MINIMUM OF 50' (*30' FOR SINGLE RESIDENCE LOT).
- 2. WIDTH 10' MINIMUM, SHOULD BE FLARED AT THE EXISTING ROAD TO PROVIDE A TURNING RADIUS.
- 3. GEOTEXTILE FABRIC (FILTER CLOTH) SHALL BE PLACED OVER THE EXISTING GROUND PRIOR TO PLACING STONE. **THE PLAN APPROVAL AUTHORITY MAY NOT REQUIRE SINGLE FAMILY RESIDENCES TO USE GEOTEXTILE.
- 4. STONE CRUSHED AGGREGATE (2" TO 3") OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT SHALL BE PLACED AT LEAST 6" DEEP OVER THE LENGTH AND WIDTH OF THE ENTRANCE.
- 5. SURFACE WATER ALL SURFACE WATER FLOWING TO OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED THROUGH THE ENTRANCE, MAINTAINING POSITIVE DRAINAGE. PIPE INSTALLED THROUGH THE STABILIZED CONSTRUCTION ENTRANCE SHALL BE PROTECTED WITH A MOUNTABLE BERM WITH 5:1 SLOPES AND A MINIMUM OF 6" OF STONE OVER THE PIPE. PIPE HAS TO BE SIZED ACCORDING TO THE DRAINAGE. WHEN THE SCE IS LOCATED AT A HIGH SPOT AND HAS NO DRAINAGE TO CONVEY A PIPE WILL NOT BE NECESSARY. PIPE SHOULD BE SIZED ACCORDING TO THE AMOUNT OF RUNOFF TO BE CONVEYED. A 6" MINIMUM DIAMETER PIPE WILL BE REQUIRED.
- 6. LOCATION A STABILIZED CONSTRUCTION ENTRANCE SHALL BE LOCATED AT EVERY POINT WHERE CONSTRUCTION TRAFFIC ENTERS OR LEAVES A CONSTRUCTION SITE. VEHICLES LEAVING THE SITE MUST TRAVEL OVER THE ENTIRE LENGTH OF THE STABILIZED CONSTRUCTION ENTRANCE.



TIE DOWN DEWATERING BAG C DANDY DEWATERING BAG TM CC C-3 COR EQUAL)

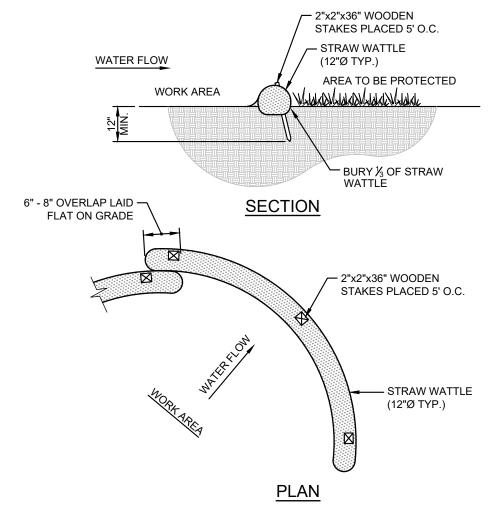
DANDY DEWATERING BAGTM

INSTALLATION AND MAINTENANCE GUIDELINES
INSTALLATION: PLACE LIFTING STRAPS (NOT INCLUDED) UNDER
THE UNIT TO FACILITATE REMOVAL AFTER USE. UNFOLD DANDY
DEWATERING BAG® ON A STABILIZED AREA OVER DENSE
VEGETATION, STRAW, OR GRAVEL (IF AN INCREASED DRAINAGE
SURFACE IS NEEDED). INSERT DISCHARGE HOSE FROM PUMP
INTO DANDY DEWATERING BAG® A MINIMUM OF SIX INCHES (6")
AND TIGHTLY SECURE WITH THE ATTACHED STRAP TO PREVENT
WATER FROM FLOWING OUT OF THE UNIT WITHOUT BEING
FILTERED. IF USING OPTIONAL ABSORBENTS, PLACE ABSORBENT
BOOM INTO THE DANDY DEWATERING BAG® CLIP ABSORBENT
BOOM TO TETHER PROVIDED INSIDE THE UNIT.

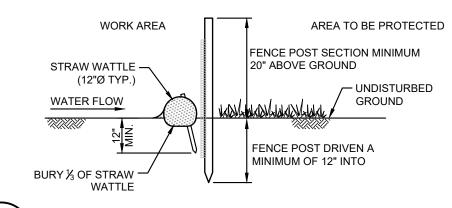
MAINTENANCE: REPLACE THE UNIT WHEN 1/2 FULL OF SEDIMENT OR WHEN SEDIMENT HAS REDUCED THE FLOW RATE OF THE PUMP DISCHARGE TO AN IMPRACTICAL RATE. IF USING OPTIONAL OIL ABSORBENTS; REMOVE AND REPLACE ABSORBENT WHEN NEAR SATURATION.

STORMWATER PERMIT NOTES:

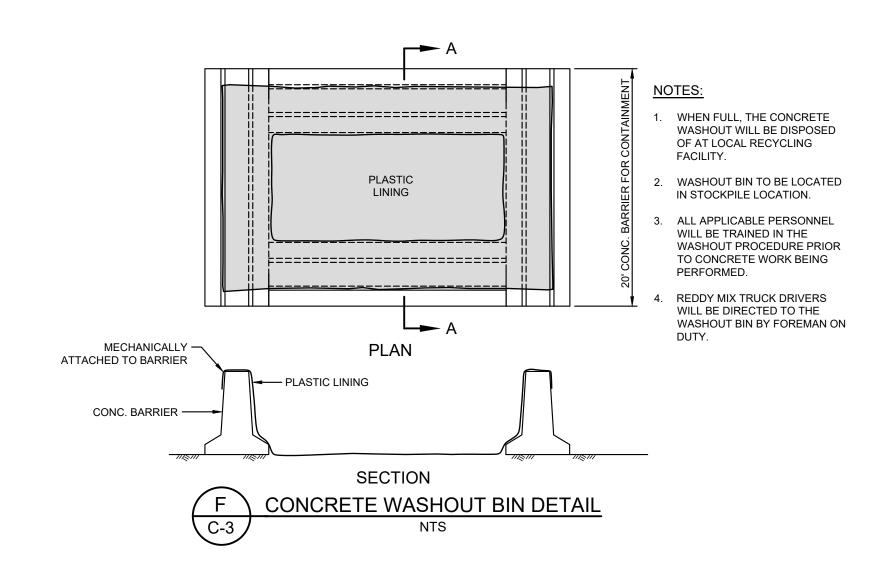
1. THIS PROJECT IS NOT ANTICIPATED TO BE REGULATED UNDER THE U.S. EPA NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) STORMWATER PERMIT PROGRAM. OPERATORS OF CONSTRUCTION SITES WHICH DISTURB GREATER THAN OR EQUAL TO ONE ACRE OF LAND MUST MEET THE REQUIREMENTS OF EPA'S CONSTRUCTION GENERAL PERMIT (CGP). PART OF THE CGP REQUIREMENTS IS THE PREPARATION OF A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) FOR THE PROJECT. THIS PROJECT IS NOT ANTICIPATED TO REQUIRE THE PREPARATION OF A SWPPP.











UNDISTURBED

- BOUND BALES PLACE

ON CONTOUR

"x1" CONSTRUCTION GRADE

HARDWOOD STAKES DRIVEN 12"

ARE TO BE DRIVEN FLUSH WITH

THE TOP OF THE BALES

— 36" MINIMUM FENCE POST

6" MINIMUM DEPTH

36" MINIMUM FENCE ──►

POST LENGTH

FILTER CLOTH —

CROSS SECTION

EMBED GEOTEXTILE A MIN. OF 8" -

VERTICALLY INTO THE GROUND

LENGTH. DRIVEN A MINIMUM

OF 12" INTO THE GROUND

16" MINIMUM HEIGHT OF GEOTEXTILE

FENCE POST SECTION MINIMUM

UNDISTURBED

GROUND

FENCE POST DRIVEN A

MINIMUM OF 12" INTO

20" ABOVE GROUND

TO 18" INTO THE GROUND. STAKES

4" VERTICAL FACE —

ANGLE FIRST STAKE TOWARD -

THE PREVIOUSLY PLACE BALE

UNDISTURBED

GROUND

ENTRENCH BALES A MINIMUM -

EXISTING -

GROUND

TOP VIEW

STAPLE

JOINING TWO ADJACENT SILT FENCE

<u>SECTIONS</u>

OF 4" INTO THE GROUND

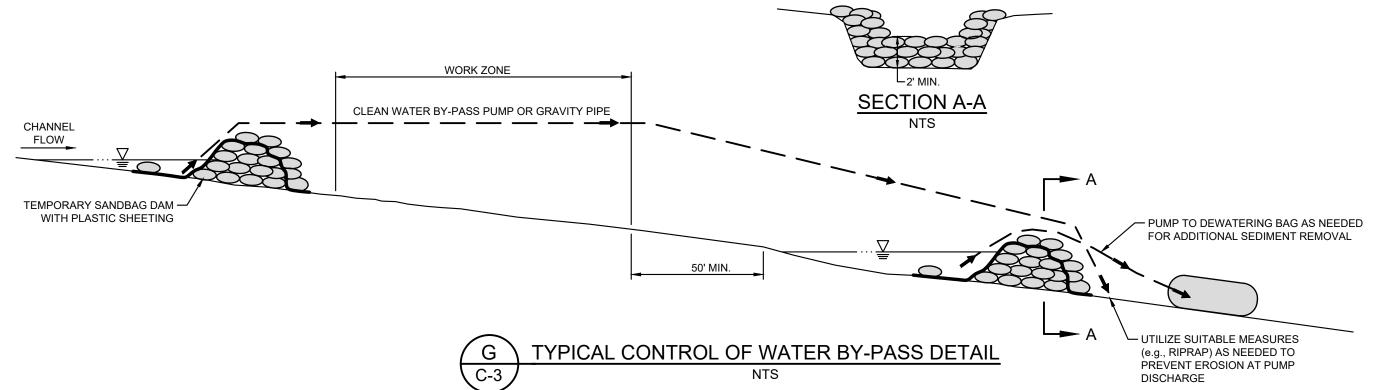
BEDDING DETAIL

ANCHORING DETAIL

STRAW BALE SILT FENCE BARRIER

FLOW

PERSPECTIVE VIEW



SEDIMENT AND EROSION CONTROL NOTES:

- 1. SEDIMENT BARRIERS AND OTHER MEASURES INTENDED TO TRAP SEDIMENT SHALL BE CONSTRUCTED AS A FIRST STEP IN ANY LAND DISTURBING ACTIVITY AND SHALL BE MADE FUNCTIONAL BEFORE UPSLOPE LAND DISTURBANCE TAKES PLACE.
- 2. THE CONTRACTOR SHALL CONSTRUCT ALL EROSION AND SEDIMENT CONTROL MEASURES PER THE SEDIMENT AND EROSION CONTROL (S&EC) PLAN PRIOR TO BEGINNING ANY LAND DISTURBANCE FOR THAT PHASE OF THE WORK, SHALL ENSURE THAT ALL RUNOFF FROM DISTURBED AREAS IS DIRECTED TO THE SEDIMENT CONTROL DEVICES, AND SHALL NOT REMOVE ANY EROSION OR SEDIMENT CONTROL MEASURES UNTIL THE AREAS DRAINING TO THEM ARE FINAL STABILIZED. THE CONTRACTOR SHALL INSPECT DAILY AND MAINTAIN CONTINUOUSLY IN EFFECTIVE OPERATING CONDITION ALL EROSION AND SEDIMENT CONTROL MEASURES UNTIL SUCH TIME AS THEY ARE REMOVED. CONDUCT INSPECTIONS AND REPORTING IN ACCORDANCE WITH ALL PERMITS.
- 3. ALL CATCH BASINS OR OTHER DRAIN INLETS WHICH MAY RECEIVE STORMWATER FROM DISTURBED AREAS SHALL BE PROVIDED WITH SUITABLE INLET PROTECTION CONSISTING OF AN OPEN-TOP FILTER FABRIC BAG THAT IS DESIGNED TO HANG UNDERNEATH A STORM GRATE TO FILTER SEDIMENT-LADEN STORMWATER. THE FILTER FABRIC BAGS SHALL BE INSPECTED WEEKLY AND AFTER EACH RAIN EVENT, AND CLEANED AND MAINTAINED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. ADDITIONAL INLET PROTECTION MAY BE PROVIDED AS APPROPRIATE BY SURROUNDING THE CATCH BASIN WITH STRAWBALES.
- 4. THE SEDIMENT AND EROSION CONTROL MEASURES AND BEST MANAGEMENT PRACTICES (BMPS) SHOWN ON THIS PLAN SHALL BE CONSIDERED AS MINIMUM REQUIREMENTS. IMMEDIATELY UPON DISCOVERING UNFORESEEN CIRCUMSTANCES POSING THE POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENT POLLUTION, THE CONTRACTOR SHALL IMPLEMENT APPROPRIATE BMPS TO ELIMINATE THE POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENT POLLUTION. THE CONTRACTOR SHALL INSTALL AND MAINTAIN, AT NO ADDITIONAL COST TO THE OWNER, ANY ADDITIONAL EROSION CONTROL MEASURES DEEMED NECESSARY FOR PERMIT COMPLIANCE BY THE CONTRACTOR, THE OWNER, AND/OR THEIR REPRESENTATIVES, OR BY FEDERAL/STATE/LOCAL GOVERNMENT INSPECTORS.
- 5. ALL EROSION CONTROL MEASURES SHALL BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH APPLICABLE PUBLISHED STANDARDS AND SPECIFICATIONS AND THE "MASSACHUSETTS EROSION AND SEDIMENT CONTROL GUIDELINES FOR URBAN AND SUBURBAN AREAS: A GUIDE FOR PLANNERS, DESIGNERS, AND MUNICIPAL OFFICIALS" (MADEP, 2003).
- 6. CONSTRUCTION ENTRANCE(S) SHALL BE INSTALLED CONCURRENTLY WITH THE INITIATION OF CLEARING AND GRUBBING OPERATIONS. THE CONTRACTOR SHALL PROTECT ALL POINTS OF CONSTRUCTION INGRESS AND EGRESS, INCLUDING AT STAGING AREAS, TO PREVENT THE DEPOSITION OF MATERIALS ONTO TRAVERSED PUBLIC THOROUGHFARES. ALL MATERIALS DEPOSITED ONTO PUBLIC THOROUGHFARES SHALL BE REMOVED IMMEDIATELY. ALL STAGING AREAS SHALL BE SURROUNDED BY SEDIMENT CONTROL BARRIER.
- 7. THE CONTRACTOR SHALL BEGIN TO APPLY SOD, SEED AND ANCHORED STRAW MULCH, OR OTHER APPROVED STABILIZATION MEASURES TO ALL DISTURBED AREAS IMMEDIATELY AFTER STRIPPING AND GRADING ACTIVITIES HAVE CEASED ON THAT AREA AND SHALL COMPLETE STABILIZATION ACTIVITIES WITHIN FOURTEEN (14) CALENDAR DAYS. MAINTENANCE SHALL BE PERFORMED TO ENSURE CONTINUED STABILIZATION. ACTIVE CONSTRUCTION AREAS, SUCH AS BORROW OR STOCKPILE AREAS, ROADWAY IMPROVEMENTS, AND AREAS WITHIN 50 FEET OF A BUILDING UNDER CONSTRUCTION MAY BE EXEMPTED FROM THIS REQUIREMENT, PROVIDED THAT OTHER APPROPRIATE SEDIMENT AND EROSION CONTROL MEASURES ARE INSTALLED AND MAINTAINED TO PROTECT AND PROVIDE SEDIMENT CONTROL FROM THOSE AREAS.
- 8. ALL STOCKPILES SHALL BE SURROUNDED BY SEDIMENT CONTROL BARRIER. STOCKPILES WHICH WILL NOT BE USED FOR A PERIOD OF FOURTEEN (14) OR MORE CALENDAR DAYS SHALL BE COVERED, STABILIZED THROUGH THE APPLICATION OR SOD, SEED, AND ANCHORED STRAW MULCH, COVERS, OR OTHER APPROVED STABILIZATION MEASURES.
- 9. EFFLUENT FROM DEWATERING OPERATIONS AND LINE FLUSHING DISCHARGES SHALL BE DIRECTED ONTO FIBER MATS, STONE/RIPRAP, NETTING, OR NATURALLY OCCURRING GROUND COVER TO MINIMIZE EROSION. EFFLUENT FROM DEWATERING OPERATIONS SHALL BE PUMPED TO SEDIMENT TANKS, GEOTEXTILE SEDIMENT BAGS, SEDIMENT TRAPS, OR OTHER APPROVED SEDIMENT REMOVAL CONTROL MEASURE FOR SEDIMENT REMOVAL. DEWATERING SHALL BE PERFORMED IN ACCORDANCE WITH THE "MASSACHUSETTS EROSION AND SEDIMENT CONTROL GUIDELINES FOR URBAN AND SUBURBAN AREAS: A GUIDE FOR PLANNERS, DESIGNERS, AND MUNICIPAL OFFICIALS" (MADEP, 2003) AND IN A MANNER THAT DOES NOT ADVERSELY AFFECT AREAS OUTSIDE OF THE LIMIT OF WORK.
- 10. SEDIMENT TRAPPING/FILTERING BMPS SHALL BE CLEANED OUT WHEN THE SEDIMENT ACCUMULATES TO ONE HALF THE HEIGHT OF THE BMP, AT A MINIMUM.
- 11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTROL OF DUST AND DIRT RISING AND SCATTERING IN THE AIR DURING CONSTRUCTION AND SHALL PROVIDE WATER SPRINKLING, CALCIUM CHLORIDE, AND/OR OTHER EFFECTIVE MEANS OF CONTROL.
- 12. ALL WASTE MATERIALS GENERATED AT THE SITE SHALL BE IMMEDIATELY REMOVED AND DISPOSED OF OR STORED IN A SECURELY COVERED CONTAINER IN ACCORDANCE WITH PROJECT PERMITS AND LOCAL AND STATE REGULATIONS. CONTAINER SHALL BE EMPTIED ON A REGULAR BASIS AND AS NEEDED. NO CONSTRUCTION WASTE OR DEBRIS SHALL BE BURIED ONSITE.
- 13. PRIOR TO REMOVAL OF SEDIMENT CONTROL MEASURES, THE CONTRACTOR SHALL STABILIZE ALL CONTRIBUTORY DISTURBED AREAS USING SOD OR AN APPROVED PERMANENT SEED MIXTURE WITH REQUIRED SOIL AMENDMENTS AND AN APPROVED ANCHORED MULCH. AREAS BROUGHT TO FINISHED GRADE DURING THE SEEDING SEASON SHALL BE PERMANENTLY STABILIZED WITHIN FOURTEEN (14) CALENDAR DAYS OF COMPLETION OF WORK. AREAS BROUGHT TO GRADE DURING THE MONTHS WHEN PERMANENT STABILIZATION IS FOUND TO BE IMPRACTICAL SHALL BE STABILIZED WITH AN APPROVED TEMPORARY SEED AND ANCHORED MULCH OR OTHER ACCEPTABLE MEANS AND PERMANENTLY STABILIZED DURING THE SEEDING SEASON.
- 14. TEMPORARY SEDIMENT CONTROL DEVICES SHALL BE REMOVED WITHIN THIRTY (30) CALENDAR DAYS FOLLOWING ESTABLISHMENT OF PERMANENT STABILIZATION IN ALL CONTRIBUTORY DRAINAGE AREAS. STORMWATER MANAGEMENT STRUCTURES USED TEMPORARILY FOR SEDIMENT CONTROL SHALL BE CLEANED AND CONVERTED TO THEIR PERMANENT CONFIGURATION WITHIN THIS TIME PERIOD AS WELL. ALL STORM DRAINAGE STRUCTURES, SUMPS, AND PIPES SHALL BE CLEANED OF ALL SEDIMENTS PRIOR TO FINAL PAYMENT. SEDIMENT CONTROL BARRIER MAY CONSIST OF STRAWBALE SILT BARRIER, SILT FENCE, OR COMPOST FILTER TUBE, OR EQUAL.

JANUARY, 2025



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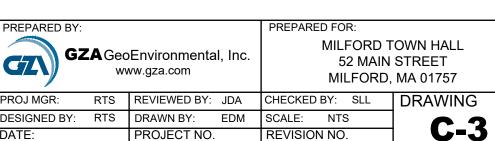
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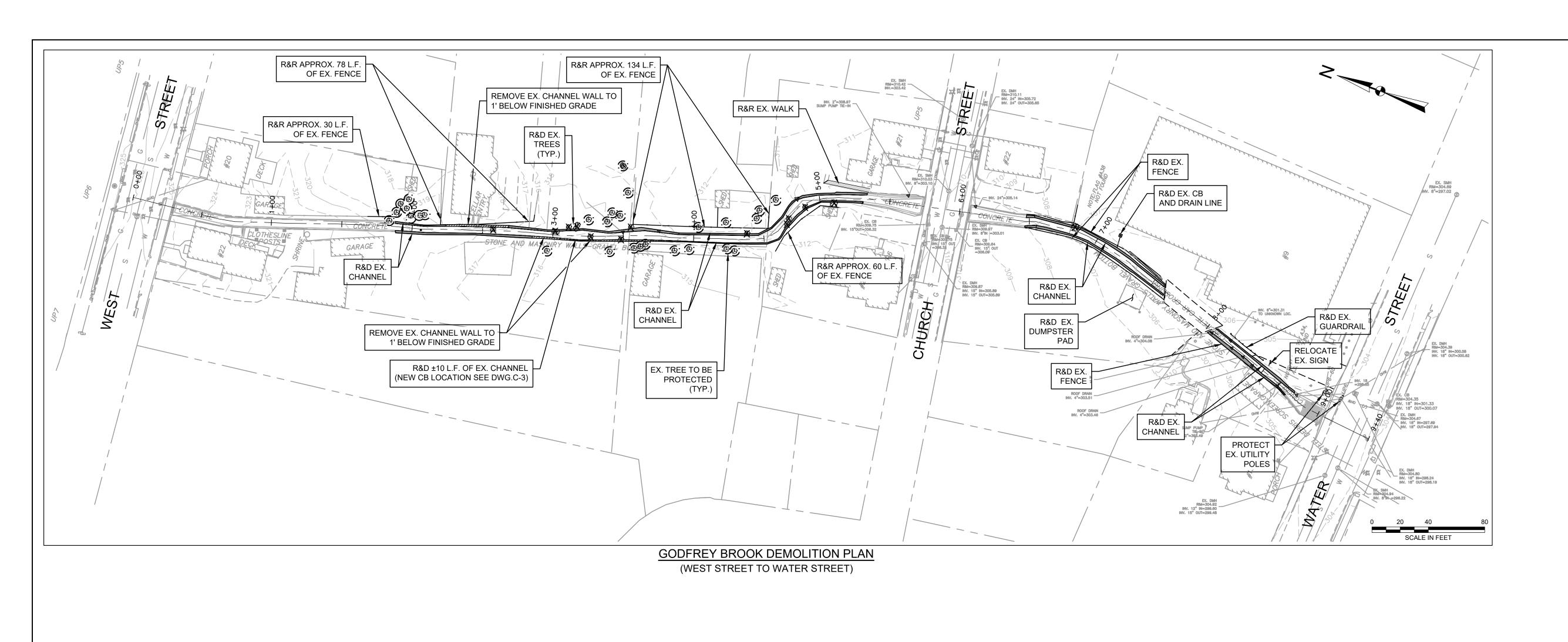
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GODFREY BROOK CAPACITY IMPROVEMENTS PROJECT MILFORD, MASSACHUSETTS

SEDIMENT, EROSION AND WATER CONTROL PLAN NOTES AND DETAILS



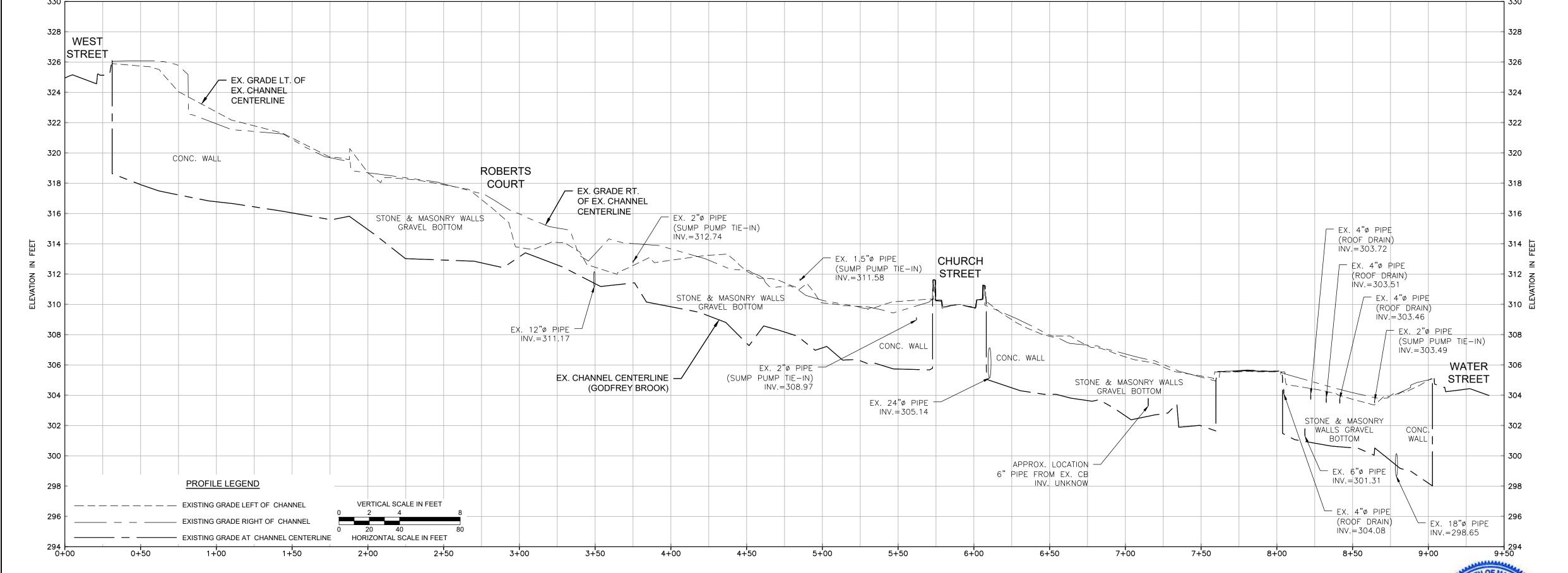
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SITE PLAN LEGEND ----- EXISTING EDGE OF PAVEMENT EXISTING CURB —— — — — — EXISTING PROPERTY LINE EXISTING 5 FT. CONTOUR - EXISTING 1 FT. CONTOUR EXISTING FENCE EXISTING GUARDRAIL _____ D ____ EXISTING STORM DRAIN LINE ————— S ————— EXISTING SANITARY SEWER LINE - EXISTING GAS LINE - EXISTING WATER LINE _____ OHW ____ - EXISTING OVERHEAD WIRES EXISTING TREE LINE EXISTING TREE EXISTING TREE TO BE REMOVED EXISTING BOLLARD EXISTING CATCH BASIN EXISTING DRAIN MANHOL EXISTING SANITARY MANHOLE EXISTING UTILITY POLE EXISTING HYDRANT EXISTING WATER SERVICE SHUT OFF EXISTING WATER GATE EXISTING GAS VALVE EXISTING TREE PROTECTION EXISTING CHANNEL WALL TO BE REMOVED TO 1-FT BELOW FINISHED GRADE REMOVE AND DISPOSE OF EXISTING CHANNEL WALL

> R&D = REMOVE AND DISPOSE OF R&R = REMOVE AND REPLACE

_ EXISTING CHANNEL CENTERLINE STATIONING



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GODFREY BROOK CAPACITY IMPROVEMENTS PROJECT MILFORD, MASSACHUSETTS

> DEMOLITION PLAN AND EXISTING CHANNEL CENTERLINE PROFILE (WEST STREET TO WATER STREET)

PREPARED BY:

ROSALIE T

STARVISH

CIVIL

No. 46718

CIVIL

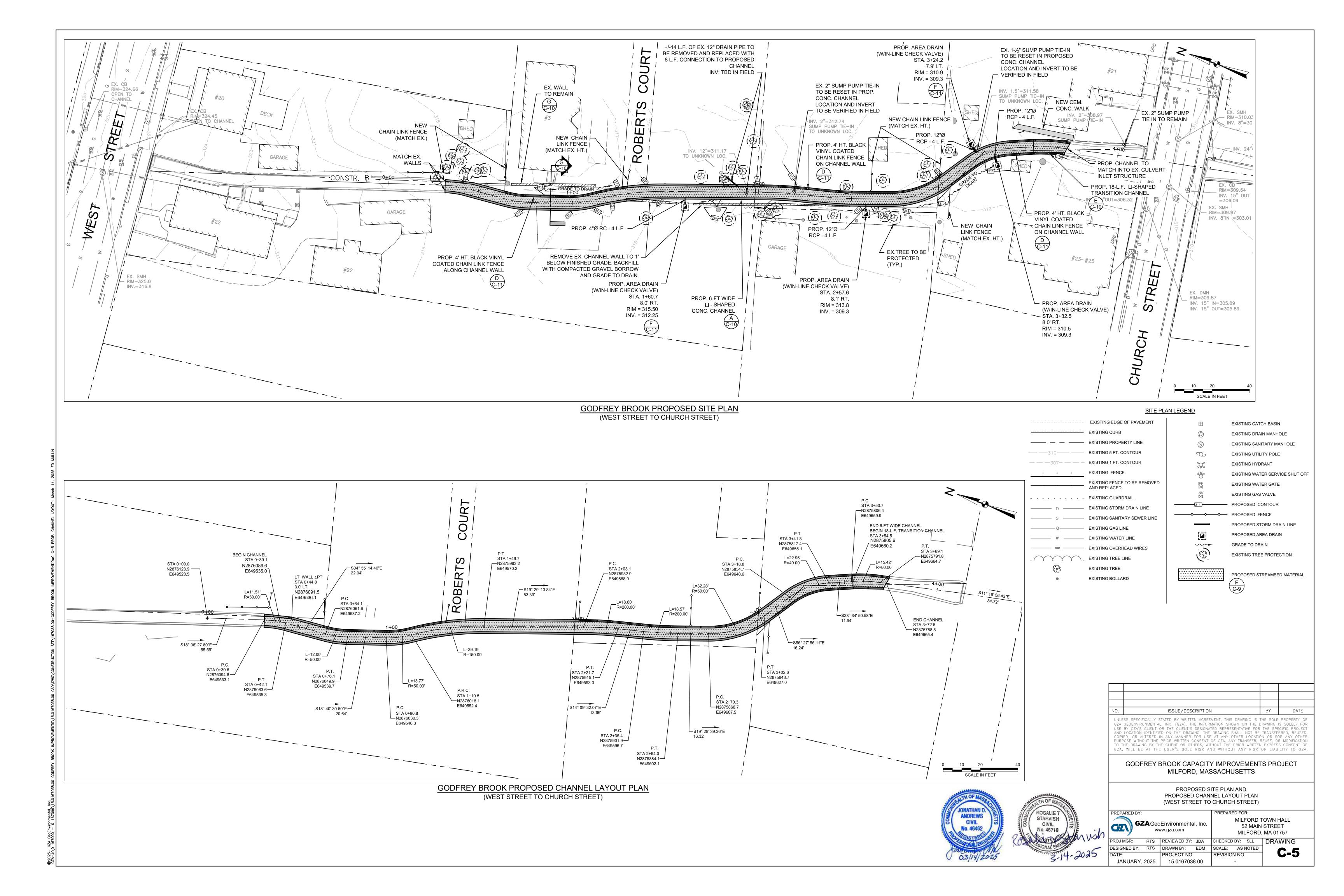
PREPARED FOR: MILFORD TOWN HALL **52 MAIN STREET** MILFORD, MA 01757

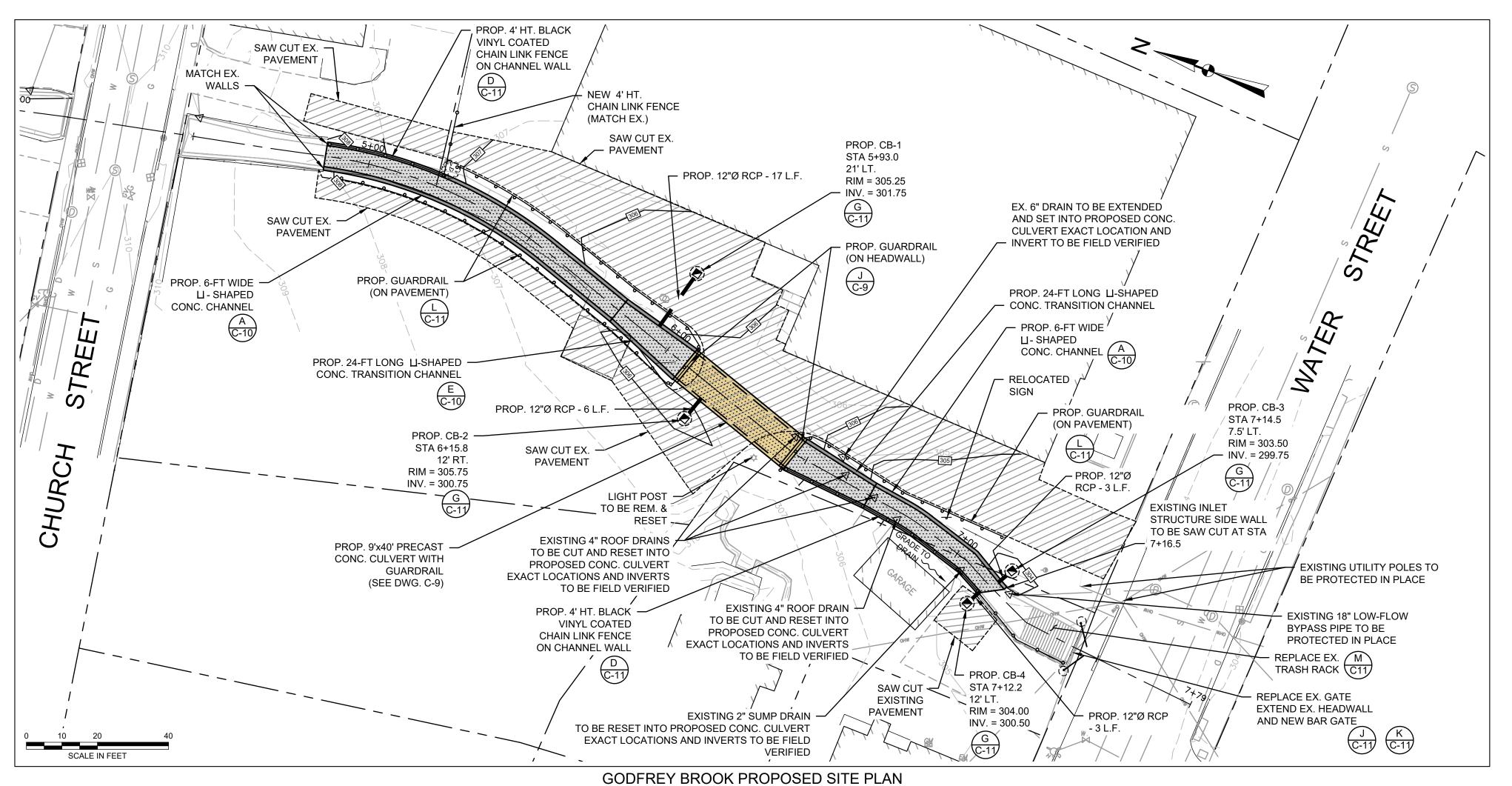
GZAGeoEnvironmental, Inc. www.gza.com PROJECT NO.

DESIGNED BY: RTS DRAWN BY: EDM SCALE: AS NOTED

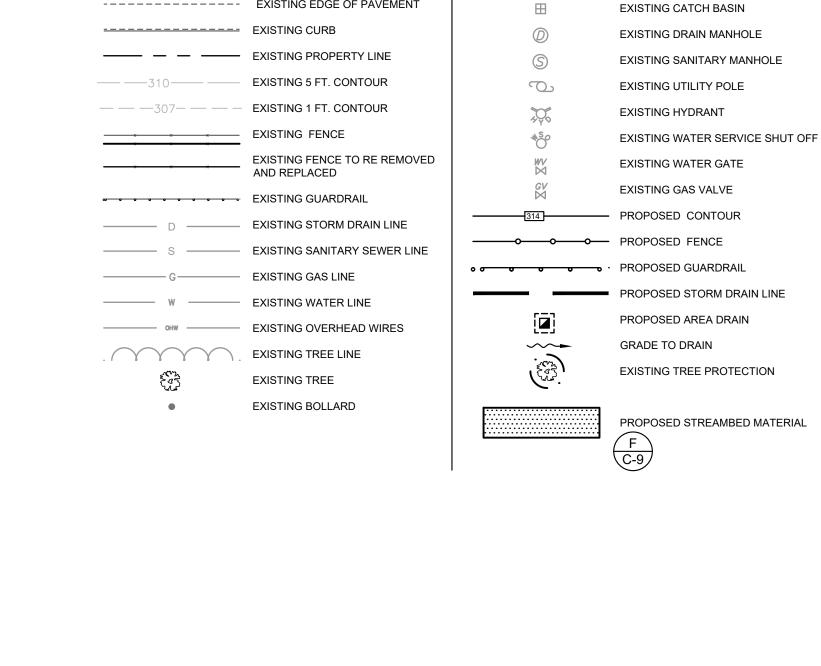
PROJ MGR: RTS REVIEWED BY: JDA CHECKED BY: SLL DRAWING REVISION NO. JANUARY, 2025 15.0167038.00

GODFREY BROOK EXISTING CHANNEL CENTERLINE PROFILE (WEST STREET TO WATER STREET)



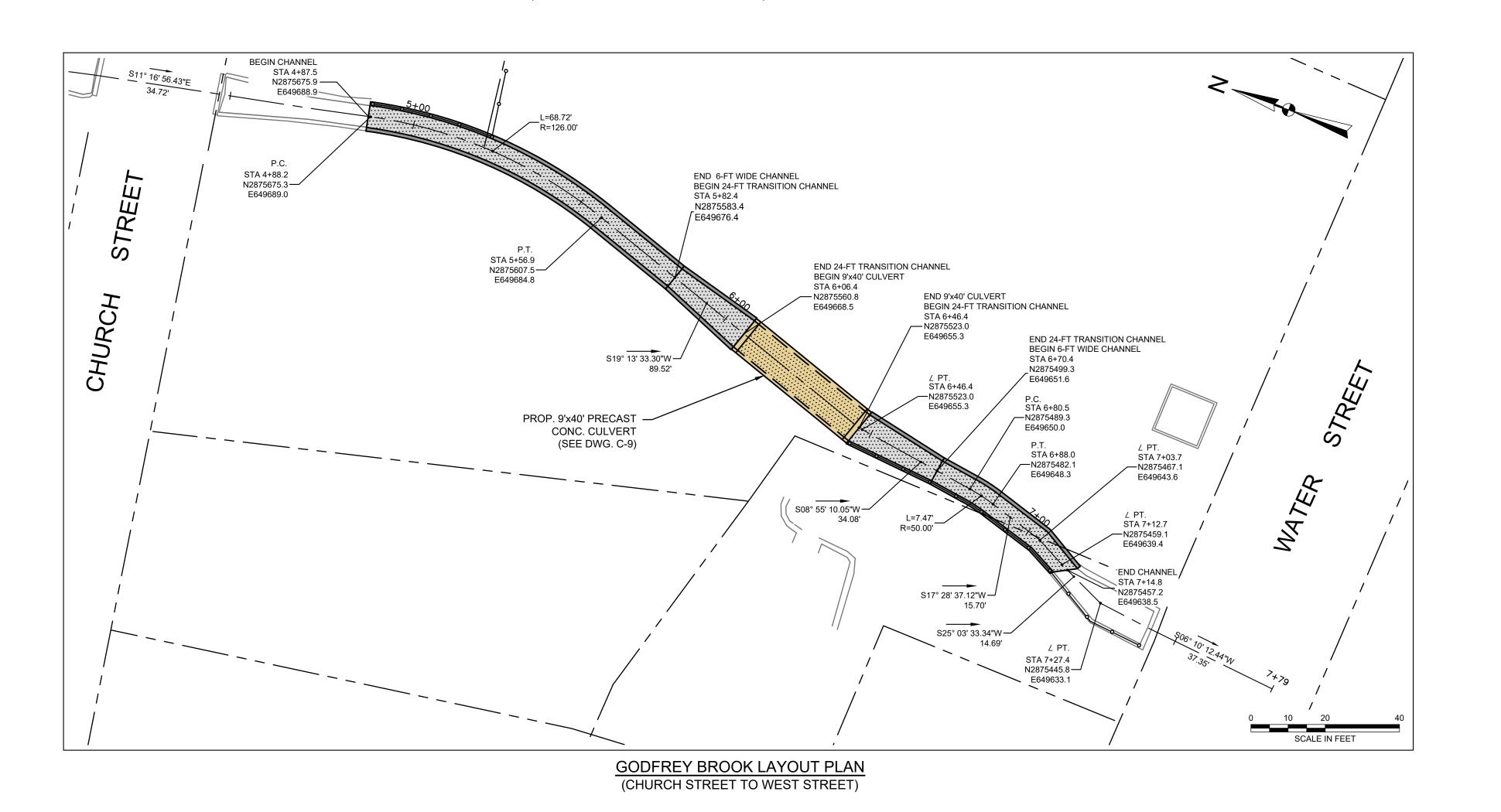


(CHURCH STREET TO WEST STREET)



----- EXISTING EDGE OF PAVEMENT

SITE PLAN LEGEND







٧٥.	ISSUE/DESCRIPTION	BY	DATE			
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GODFREY BROOK CAPACITY IMPROVEMENTS PROJECT MILFORD, MASSACHUSETTS

> PROPOSED SITE PLAN AND PROPOSED CHANNEL LAYOUT PLAN (CHURCH STREET TO WATER STREET)

ED BY:		PREPARED FOR:		
GZA G	eoEnvironmental, Inc. www.gza.com	MILFORD TOWN HALL 52 MAIN STREET MILFORD, MA 01757		
R: RTS	REVIEWED BY: JDA	CHECKED BY: SLL	DRAWING	
D BY: RTS	DRAWN BY: EDM	SCALE: AS NOTED	C 6	
	PROJECT NO.	REVISION NO.	6-0	

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JANUARY, 2025

