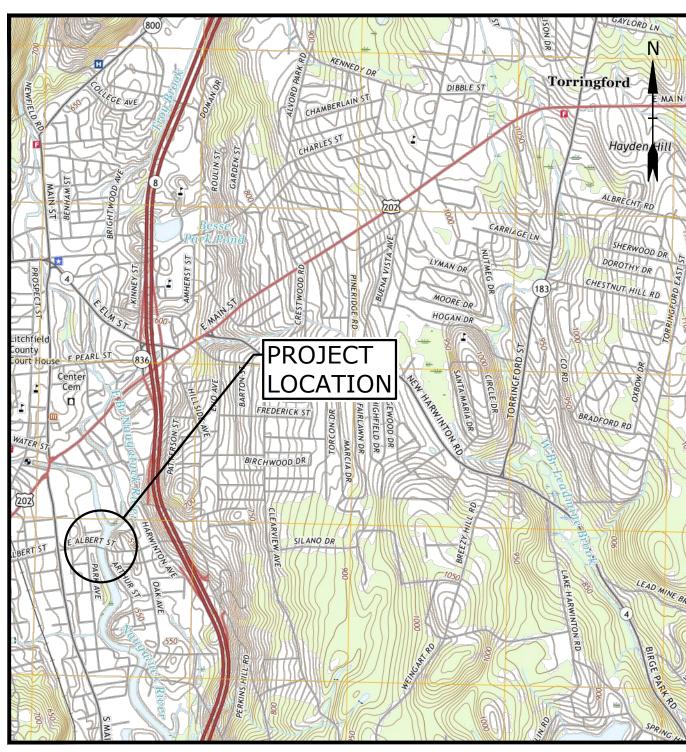
LIST OF DRAWINGS					
SHEET NO.	DRAWING NO.	DRAWING TITLE			
	GENERAL				
1	G-001	COVER SHEET			
2	G-002	GENERAL NOTES			
3	G-003	BRIDGE NOTES, ABBREVIATIONS AND LEGEND			
CIVIL					
4	C-101	EXISTING CONDITIONS PLAN			
5	C-102	WATER MAIN PLAN			
6	C-103	TEMPORARY ACCESS AND CONTROLS PLAN			
7	C-201	WATER MAIN DETAILS 1			
8	C-202	WATER MAIN DETAILS 2			
9 C-203 TRAFFIC CONTROL DETAILS					
STRUCTURAL					
10	S-101	BRIDGE PLAN AND ELEVATION			
11	S-102	EXISTING BRIDGE FRAMING PLAN AND SECTION			
12	S-103	PROPOSED BRIDGE FRAMING PLAN AND SECTION			
13	S-104	BRIDGE DETAILS			
14	S-105	EAST ABUTMENT BACKWALL PENETRATION DETAILS			

# CITY OF TORRINGTON, CT EAST ALBERT STREET BRIDGE CROSSING 60% DESIGN DOCUMENTS AUGUST, 2022



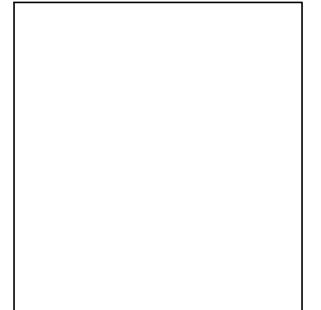
PREPARED BY: **Tighe&Bond** 

COMPANY

LOCATION MAP SCALE: 1" = 24,000'

# **COMPLETE SET 14 SHEETS**

PREPARED FOR: TORRINGTON WATER



#### **BASE PLAN NOTES**

- 1. THE EXISTING CONDITIONS INFORMATION SHOWN ON THE DRAWINGS IS BASED ON THE FOLLOWING: SURVEY DRAWINGS PROVIDED BY KRATZERT JONES & ASSOCIATES, INC. TITLED EXISTING CONDITIONS MAP SHOWING EAST ALBERT STREET FROM PARK AVENUE TO ARTHUR STREET AND DATED APRIL 4, 2022.
- DRAWINGS PROVIDED BY LOCAL UTILITY COMPANIES
- THE RESOURCE AREA BOUNDARIES DEPICTED ON THE DRAWINGS WERE DELINEATED BY TIGHE & BOND, INC. ON 4/27/2022.
- NATURAL DIVERSITY DATA BASE (NDDB) LIMITS OF ENDANGERED, THREATENED, AND SPECIAL CONCERN SPECIES ARE BASED ON THE MOST CURRENT AVAILABLE DATA FROM THE CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION.
- THE BASE FLOOD ELEVATION IS ±531 FEET BASED ON THE FEMA FLOOD INSURANCE STUDY FOR THE CITY OF TORRINGTON, STUDY NUMBER 095081, PANEL NUMBER 0007B, EFFECTIVE 1982.
- 2. UTILITY LOCATIONS SHOWN WERE PLOTTED FROM INFORMATION SUPPLIED BY RESPECTIVE UTILITY COMPANIES AND DATA OBTAINED FROM FIELD SURVEYS AND AS BUILT 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. THE DRAWINGS ARE BASED ON THE FOLLOWING DATUMS: HORIZONTAL NAD 83; VERTICAL NAVD 88.
- THE EXISTING CONDITIONS SHOWN ARE APPROXIMATE. FIELD VERIFY EXISTING CONDITIONS.
- 5. THE PROPERTY LINES SHOWN ON THE DRAWINGS ARE APPROXIMATE AND ARE NOT BASED ON DEED OR PLAN RESEARCH.

#### **GENERAL NOTES**

- 1. NOTIFY CALL BEFORE YOU DIG AT 1-800-922-4455 AND OTHER UTILITY OWNERS IN THE AREA NOT ON THE CALL BEFORE YOU DIG 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.

#### **EROSION CONTROL AND RESOURCE AREA PROTECTION 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. PROVIDE ALL SEDIMENTATION AND EROSION CONTROL MEASURES SHOWN IN THE CONTRACT DOCUMENTS IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE "2002, CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL," DEEP BULLETIN NO. 34, AND ALL AMENDMENTS AND ADDENDA THERETO AS PUBLISHED BY THE CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION. WHERE THE 2002 GUIDELINES AND THE DRAWINGS CONFLICT, THE MORE STRINGENT REQUIREMENTS SHALL APPLY.
- 3. INSTALL SILT SACKS OR OTHER APPROVED SEDIMENTATION BARRIERS IN/AT ALL CATCH BASINS IN THE PROJECT AREA.
- 4. 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.
- 5. 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.
- 6. REMOVE AND PROPERLY DISPOSE OF SILT TRAPPED AT BARRIERS IN UPLAND AREAS OUTSIDE BUFFER ZONES. REMOVE MATERIALS DEPOSITED IN ANY TEMPORARY SETTLING BASINS AT THE COMPLETION OF THE PROJECT. RESTORE ALL DISTURBED AREAS TO THEIR PRECONSTRUCTION CONDITION.
- 7. SWEEP, COLLECT, REMOVE AND DISPOSE OF ANY SEDIMENT TRACKED ONTO PUBLIC RIGHT-OF-WAYS AT THE END OF EACH DAY.
- 8. LOAM AND SEED ALL DISTURBED VEGETATED AREAS TO ESTABLISH COVER AND STABILIZATION AS SOON AS POSSIBLE FOLLOWING DISTURBANCE.
- 9. MAINTAIN AN ADDITIONAL SUPPLY OF EROSION CONTROL MEASURES ON-SITE FOR EMERGENCY REPAIRS.
- 10. 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.
- 11. 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.

#### SURFACE RESTORATION NOTES

1. ALL PAVEMENT DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPLACED IN ACCORDANCE WITH THE

- 2. PROVIDE SITE GRADING AT WHEELCHAIR RAMPS, SIDEWALKS, AND BUILDING ENTRANCES THAT IS CONSISTENT BARRIERS ACT (ABA) AND THE AMERICANS WITH DISABILITIES ACT (ADA). SMALL CHANGES IN GRADE OVER REI ROUTES, AND RAMPS) MIGHT NOT BE CLEARLY DEPICTED WITHIN THE CONTOUR INTERVAL SHOWN. COMPLY WIT 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%
- 3. PROTECT PROJECT FEATURES (E.G., WALLS, FENCES, MAIL BOXES, SIGNS, SIDEWALKS, CURBING, STAIRS, WALK PROVIDING TEMPORARY SUPPORTS, WHEN APPROPRIATE.
- 4. IF REMOVAL OF PROJECT FEATURES IS REOUIRED IN ORDER TO PERFORM THE PROPOSED WORK, REMOVE THOSE REMOVED PROJECT FEATURES; NEW ITEMS SHALL BE EQUAL OR BETTER IN QUALITY AND CONDITION TO THE ITE
- 5. EXISTING SURVEY MONUMENTS DISTURBED BY THE CONTRACTOR SHALL BE REPLACED BY A LAND SURVEYOR LIC ADDITIONAL COST TO THE OWNER.
- 6. COORDINATE THE ADJUSTMENT OF EXISTING UTILITY STRUCTURES WITH EACH RESPONSIBLE UTILITY OWNER PL STRUCTURES TO FINISHED GRADES PRIOR TO THE END OF THE CONSTRUCTION SEASON AND PRIOR TO FINISHE
- 7. REPAIR DISTURBED PAVED SURFACES AT THE END OF EACH WORK WEEK, UNLESS OTHERWISE APPROVED/REQUI 8. PLACE TEMPORARY BITUMINOUS CONCRETE PAVEMENT AT DISTURBED PORTLAND CEMENT CONCRETE SIDEWALK 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 TRAFFIC CONTROL DETAILS FOR SIGN INFORMATION.
- 11. RESTORE ALL AREAS DISTURBED BY THE CONTRACTOR BEYOND THE PAYLINE LIMITS TO ORIGINAL CONDITIONS
- 12. REGRADE ALL UNPAVED AREAS DISTURBED BY THE WORK AS REQUIRED. REPAIR/REPLACE PAVED SURFACES DIS 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 SURFACE WATER SYSTEM IMPROVEMENTS NOTES

- PROPOSED WATER MAINS SHALL BE PROVIDED IN ACCORDANCE WITH THE OWNER'S STANDARDS, AS SPECIFIED, BETWEEN THE OWNER'S STANDARDS AND THE DRAWINGS AND SPECIFICATIONS, THE OWNER'S STANDARDS SHA
- 2. HORIZONTAL AND VERTICAL LOCATION OF WATER MAINS MAY BE MODIFIED TO FIT EXISTING FIELD CONDITIONS
- 3. WORKING PRESSURE OF WATER MAIN IN PROJECT AREA IS 108 PSI.
- 4. MINIMUM DEPTH OF COVER OVER PROPOSED WATER MAIN SHALL BE 5 FEET, UNLESS OTHERWISE NOTED OR APP
- 5. ALL BELOW GRADE VALVES AND FITTINGS SHALL HAVE MECHANICAL JOINT (MJ) ENDS. RESTRAIN ALL VALVE AN
- WHERE A COUPLING IS CALLED FOR ON THE DRAWINGS TO CONNECT A PROPOSED WATER MAIN TO AN EXISTING SLEEVE TO PIPES WITH RETAINER GLANDS. IF OUTSIDE DIAMETER OF EXISTING WATER MAIN DOES NOT ALLOW TRANSITION COUPLING.
- 7. SLEEVES, NIPPLES, AND ACCESSORIES NECESSARY FOR CONNECTION BETWEEN EXISTING AND PROPOSED PIPES FOR CONNECTING TO EXISTING MAINS AND MAKE CONNECTIONS AS INDICATED IN THE CONTRACT DOCUMENTS.
- 8. RESTRAIN PIPE JOINTS IN ACCORDANCE WITH "MINIMUM RESTRAINED LENGTHS FOR DI PIPE" TABLE ON THE DR.
- MAINTAIN A MINIMUM HORIZONTAL DISTANCE OF 10 FEET BETWEEN THE PROPOSED WATER MAIN AND ANY EXIS CONDITIONS PREVENT THIS, A LESSER DISTANCE WILL BE ALLOWED IF: A.) THE WATER MAIN IS IN A SEPARATE TRENCH TO ONE SIDE ON A BENCH OF UNDISTURBED EARTH WITH AT LEAST 12 INCHES, AND PREFERABLY 18 IN SEWER/DRAIN PIPE AND THE WATER MAIN. IN EITHER CASE, THE BOTTOM OF THE WATER MAIN SHALL BE 18 IN
- 10. WATER MAINS CROSSING SEWERS SHALL BE LAID TO PROVIDE A MINIMUM VERTICAL DISTANCE OF 18 INCHES B SEWER. IT IS PREFERRED THAT THE WATER MAIN CROSS ABOVE THE SEWER. AT CROSSINGS, ONE FULL LENGTI FROM THE SEWER AS POSSIBLE.
- 11. WHERE THE PROPOSED WATER MAIN IS TO BE INSTALLED BELOW A DRAIN PIPE, MAINTAIN A MINIMUM OF 18 INC THE WATER MAIN.
- 12. OPERATION OF EXISTING VALVES SHALL BE BY THE WATER DISTRIBUTION SYSTEM OWNER, UNLESS OTHERWISE DISTRIBUTION SYSTEM OWNER.
- 13. THE WATER DISTRIBUTION SYSTEM OWNER DOES NOT GUARANTEE A TIGHT SHUTDOWN OF ITS EXISTING VALVES DISPOSAL OF WATER UP TO 100 GALLONS PER MINUTE.
- 14. COORDINATE THE ACTIVATION AND DEACTIVATION OF WATER MAINS WITH THE WATER DISTRIBUTION SYSTEM (
- 15. WHERE WATER MAINS ARE BEING REPLACED, RECONNECT ALL EXISTING WATER SERVICES TO THE PROPOSED W. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING UNINTERRUPTED WATER SERVICE TO ALL CUSTOMER NOTED OR APPROVED BY THE OWNER.
- 16. FOR EACH PROPOSED WATER SERVICE, PROVIDE NEW CORPORATION AT THE MAIN, NEW WATER SERVICE PIPING INSTALLED FROM THE PROPOSED WATER MAIN TO THE PROPERTY LINE FOR EACH PROPERTY IDENTIFIED AS REQU WATER SERVICE TO EXISTING WATER SERVICE PIPING AT PROPERTY LINE. PROVIDE ALL COMPONENTS NECESSA SERVICE. EXISTING SERVICE PIPING TO BE ABANDONED SHALL BE CAPPED/CRIMPED ONCE SERVICE HAS BEEN
- 17. THE SIZE OF THE PROPOSED WATER SERVICE TO A PROPERTY FROM THE PROPOSED WATER MAIN SHALL MATCH THAT PROPERTY, UNLESS NOTED OTHERWISE.
- 18. WHERE A PROPOSED UTILITY CROSSES BELOW AN EXISTING ASBESTOS CEMENT (AC) WATER MAIN, REPLACE TH THE CROSSING WITH NEW DI PIPE. HANDLE, REMOVE, TRANSPORT AND DISPOSE OF AC PIPE IN ACCORDANCE W
- 19. REMOVE AND DISPOSE OF VALVE BOXES ON WATER MAIN TO BE ABANDONED, UNLESS DIRECTED OTHERWISE.

E CONTRACT DOCUMENTS.	Tighe&Bond
IT WITH THE RELEVANT ACCESS REQUIREMENTS OF THE ARCHITECTURAL ELATIVELY SHORT DISTANCES (E.G. AT PARKING SPACES, ACCESSIBLE ITH THE CRITERIA IN THESE STANDARDS. SELECT MAXIMUM SLOPE	
KWAYS, TREES, ETC.) FROM DAMAGE DURING CONSTRUCTION, INCLUDING	
GE SITE FEATURES ONLY UPON APPROVAL OF ENGINEER. REPLACE ALL TEMS REMOVED. ICENSED IN THE STATE IN WHICH THE WORK IS PERFORMED AT NO	
PRIOR TO RECONSTRUCTION AND/OR PAVING OPERATIONS. RAISE ALL ED PAVING.	
JIRED BY THE OWNER. KS AND DRIVEWAYS AT THE END OF EACH WORK WEEK, UNLESS	
HERE" SIGNS SHALL BE USED AT THE NEAREST SAFE INTERSECTION. SEE	
S AT NO ADDITIONAL COST TO THE OWNER. STURBED BY THE WORK IN-KIND, UNLESS OTHERWISE NOTED. RESTORE	
D, AND AS SHOWN ON THE DRAWINGS. WHERE THERE IS A CONFLICT IALL GOVERN.	60% DESIGN
IS, UPON APPROVAL OF THE ENGINEER.	
PROVED BY THE ENGINEER.	
ND FITTING JOINTS WITH RETAINER GLANDS.	
IG WATER MAIN PROVIDE A SOLID SLEEVE, IF POSSIBLE. RESTRAIN SOLID W INSTALLATION OF SOLID SLEEVE, PROVIDE RESTRAINING TYPE	THIS DOCUMENT IS INCOMPLETE AND IS
S MAY NOT BE SHOWN ON THE DRAWINGS. PROVIDE ITEMS NECESSARY	RELEASED TEMPORARILY FOR PROGRESS REVIEW ONLY. IT IS NOT INTENDED FOR BIDDING OR CONSTRUCTION PURPOSES.
RAWINGS.	East Albert
STING OR PROPOSED SANITARY SEWER OR STORM DRAIN. WHEN E TRENCH OR B.) THE PROPOSED WATER MAIN IS LOCATED IN THE SAME NCHES, HORIZONTAL SEPARATION BETWEEN THE EDGES OF THE NCHES ABOVE THE CROWN OF THE SEWER/DRAIN PIPE.	Street Bridge Crossing
BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF THE IH OF WATER PIPE SHALL BE LOCATED SO BOTH JOINTS WILL BE AS FAR	
ICHES BETWEEN THE BOTTOM OF THE STORM DRAIN AND THE CROWN OF	Torrington
E AUTHORIZED. COORDINATE OPERATION OF VALVES WITH THE WATER	Water Company
ES. THE CONTRACTOR IS RESPONSIBLE FOR CONTROL OF LEAKAGE AND	
OWNER.	Torrington, CT
VATER MAINS, UNLESS NOTED OTHERWISE IN THE CONTRACT DOCUMENTS. RS IN THE PROJECT AREA DURING CONSTRUCTION, UNLESS OTHERWISE	
G, AND NEW CURB STOP AND BOX. PROPOSED WATER SERVICES SHALL BE QUIRING A WATER SERVICE ON THE DRAWINGS. CONNECT PROPOSED GARY TO CONNECT PROPOSED WATER SERVICE TO EXISTING WATER TRANSFERRED TO THE NEW WATER MAIN.	
THE SIZE OF THE EXISTING WATER SERVICE FROM THE BUILDING ON	
HE AC WATER MAIN ABOVE THE CROSSING AND 10 FEET ON EACH SIDE OF WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.	
	MARK DATE DESCRIPTION
	PROJECT NO:     T0254-036       DATE:     08/05/2022
	FILE:T0254-036_G002.dwgDRAWN BY:AI
	DESIGNED/CHECKED BY: DFV APPROVED BY: PBG
	GENERAL NOTES
	SCALE: NO SCALE

#### **GENERAL BRIDGE NOTES**

- 1. ALL STRUCTURAL WORK, INCIDENTAL WORK WITHIN THE LIMITS OF THE BRIDGE CROSSING, AND MATERIAL REQUIREMENTS SHALL CONFORM TO PROJECT SPECIFICATIONS, CONNECTICUT DOT BRIDGE DESIGN MANUAL, CONNECTICUT DOT STANDARD SPECIFICATIONS FOR ROADS, BRIDGES, FACILITIES (FORM 818), AND AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, LATEST EDITION.
- 2. CONTRACTOR SHALL VERIFY AND COORDINATE DIMENSIONS RELATED TO THIS PROJECT.
- 3. ALL ELEVATIONS ARE BASED ON NAVD 88.
- 4. EXISTING BRIDGE PLAN, ELEVATIONS, AND SECTIONS ARE BASED ON DRAWINGS ENTITLED: "CONNECTICUT STATE HIGHWAY DEPARTMENT PLAN FOR CONSTRUCTION OF BRIDGE & APPROACHES - EAST ALBERT STREET OVER THE NAUGATUCK RIVER"
- 5. CONTRACTOR TO SUBMIT CONSTRUCTION PLAN TO TIGHE & BOND FOR REVIEW AND APPROVAL PRIOR TO COMMENCING CONSTRUCTION. REFER TO SPECIFICATION SECTION 02651-1.4.
- 6. CONTRACTOR IS RESPONSIBLE FOR PROVIDING ACCESS TO BRIDGE TO PERFORM REPAIRS. SUBMIT CALCULATIONS STAMPED BY A LICENSED PROFESSIONAL ENGINEER, REGISTERED IN THE STATE OF CONNECTICUT, FOR ANY TEMPORARY SUPPORT PLATFORMS TO BE SUPPORTED BY THE BRIDGE DURING THE COURSE OF WORK.
- 7. EXCAVATION FOR PIPE INSTALLATION SHALL BE MADE TO THE DEPTH AND LINES SHOWN ON THE PLANS OR ESTABLISHED BY THE ENGINEER.

#### STRUCTURAL STEEL NOTES

- 1. STRUCTURAL STEEL SHALL BE NEW STEEL CONFORMING TO ASTM A709 GRADE 50 UNLESS NOTED OTHERWISE ON DRAWINGS.
- 2. HOLES, CUTS AND OTHER MODIFICATIONS TO THE STRUCTURAL STEEL SHALL NOT BE MADE IN THE FIELD EXCEPT WITH THE SPECIFIC PERMISSION OF THE ENGINEER.
- 3. ALL WORK CONSISTING OF SURFACE PREPARATION AND PAINTING OF ALL STEEL SHALL COMPLY WITH THE REQUIREMENTS OF PROJECT SPECIFICATIONS AND CTDOT STANDARD SPECIFICATIONS.
- 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD TOUCH-UP PAINTING OF EXISTING GIRDER WEBS AFTER THE STEEL ERECTION.
- 5. STRUCTURAL STEEL FRAMING SHALL BE TRUE AND PLUMB BEFORE CONNECTIONS ARE FINALLY BOLTED.
- 6. THREADED RODS, NUTS, AND WASHERS SHALL BE HOT-DIP GALVANIZED IN ACCORDANCE WITH ASTM A123. EACH COMPONENT SHALL MEET THE ASTM STANDARDS OUTLINED IN THE PROJECT SPECIFICATIONS. A NUT AND FLAT WASHER SHALL BE FURNISHED WITH EACH BOLT. WASHER TO BE PROVIDED UNDER THE TURNED ELEMENT.

#### **EXISTING CONDITIONS NOTES**

- 1. THE CONTRACTOR SHALL DETERMINE AND ESTABLISH ALL DIMENSIONS AND DETAILS NECESSARY FOR THE COMPLETION OF ALL WORK BY FIELD MEASUREMENT AND SURVEY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ADEQUACY AND ACCURACY THERE OF, AND SHALL NOT ORDER ANY MATERIAL OR COMMENCE ANY FABRICATION UNTIL THE CONTRACTOR HAS MADE THE REQUIRED MEASUREMENTS OF THE STRUCTURE, AND THE EXTENT OF THE PROPOSED WORK HAS BEEN APPROVED BY THE ENGINEER.
- 2. EXISTING STRUCTURE; EAST ALBERT STREET OVER NAUGATUCK RIVER, BRIDGE NO. 03975.

#### DI PIPE NOTES

- 1. PIPE TO BE 12" PRE-INSULATED, CLASS 350, TR-FLEX DUCTILE IRON PIPE.
- 2. UPON COMPLETION OF PIPE INSTALLATION, FULLY EXTEND PIPE JOINTS TO ALLOW FOR NORMAL THERMAL MOVEMENT OF PIPE.

#### **LEGEND**

DESCRIPTION	EXISTING
PROPERTY LINE	
PROPERTY LINE (ADJACENT)	
ROW EASEMENT LINE	
TAKING LINE	
BASE LINE	
ZONING DELINEATION LINE	
BUILDING	
BUILDING OVERHANG	
BUILDING HATCH/ TEXT	
BUILDING (ADJACENT)	
ADJACENT BUILDING/ LAND OWNER	
SURVEY BENCHMARK	∆ MAG. NAIL ETC.
CURB	
EDGE OF PAVEMENT	
DIRT ROAD	
SIDEWALK	
TRAFFIC PAINT LINE	
RETAINING WALL	
STONE WALL	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
CHAIN LINK FENCE	— <u> </u>
FENCE LINE	X X X
WOOD POST FENCE	OOOO
GUIDERAIL	
METAL BEAM RAIL	
HEDGE	Treeline
TREES	
	(Shrub) (Ornamental) (Evergreen) (Deciduous)
CULVERT STRUCTURE	
STORM DRAIN TEXT	CB
STORM DRAIN STRUCTURES	
STORM DRAIN UNDERGROUND	
STORM DRAIN (SINGLE LINE, RLS, ETC)	SD SD
SANITARY SEWER UNDERGROUND	SS SS
SANITARY SEWER (SHORT SEGMENT)	ss ss ss
SANITARY SEWER UNDERGROUND MULTILINE	
SANITARY SEWER FORCE MAIN	SFM
SANITARY SEWER LOW PRESSURE	SSLP SSLP
SANITARY SEWER STRUCTURES	
SANITARY SEWER TEXT	
COMBINATION SEWER	Сомв Сомв
PUBLIC WATER TEXT	
PUBLIC WATER STRUCTURE	
UNDERGROUND WATER LINE	W W
UNDERGROUND PUBLIC WATER LINE	PW
UNDERGROUND PUBLIC (SHORT SEGMENT)	W W W W
UTILITY POLE	پ ۲۰ ۵۵ ا
GAS STRUCTURE	°v c€ ©
	G G
GAS LINE (SHORT SEGMENT)	G G G G
SPOT ELEVATIONS	
INDEX CONTOURS	
INTERMEDIATE CONTOURS	
VEGETATED WETLAND LIMIT WETLANDS WATERCOURSE	
WETLANDS HATCH EROSION & SEDIMENT CONTROLS - HAYBALES	
AND SILT FENCE	
AND SILT FENCE ACCESS ROAD	
TIMBER MATTING	
10" COUPLING	
10" PLUG	
10" x 12" REDUCER	
WATER LINE ABANDONMENT	
SILT SACK	
45 DEGREE BEND	

45 DEGREE BEND

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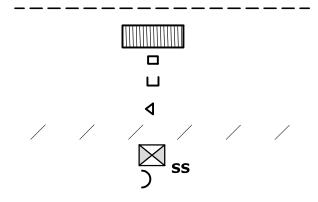
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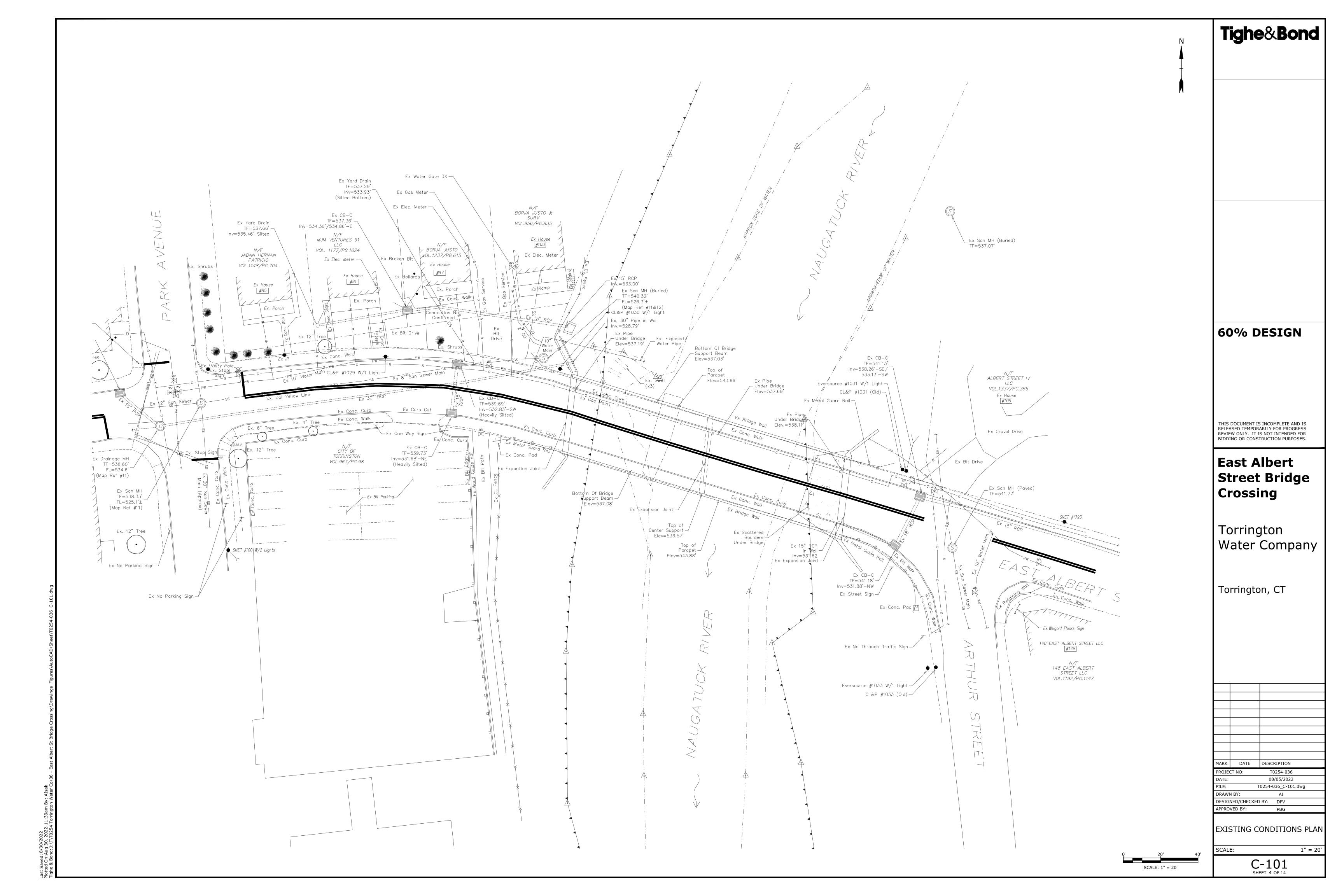
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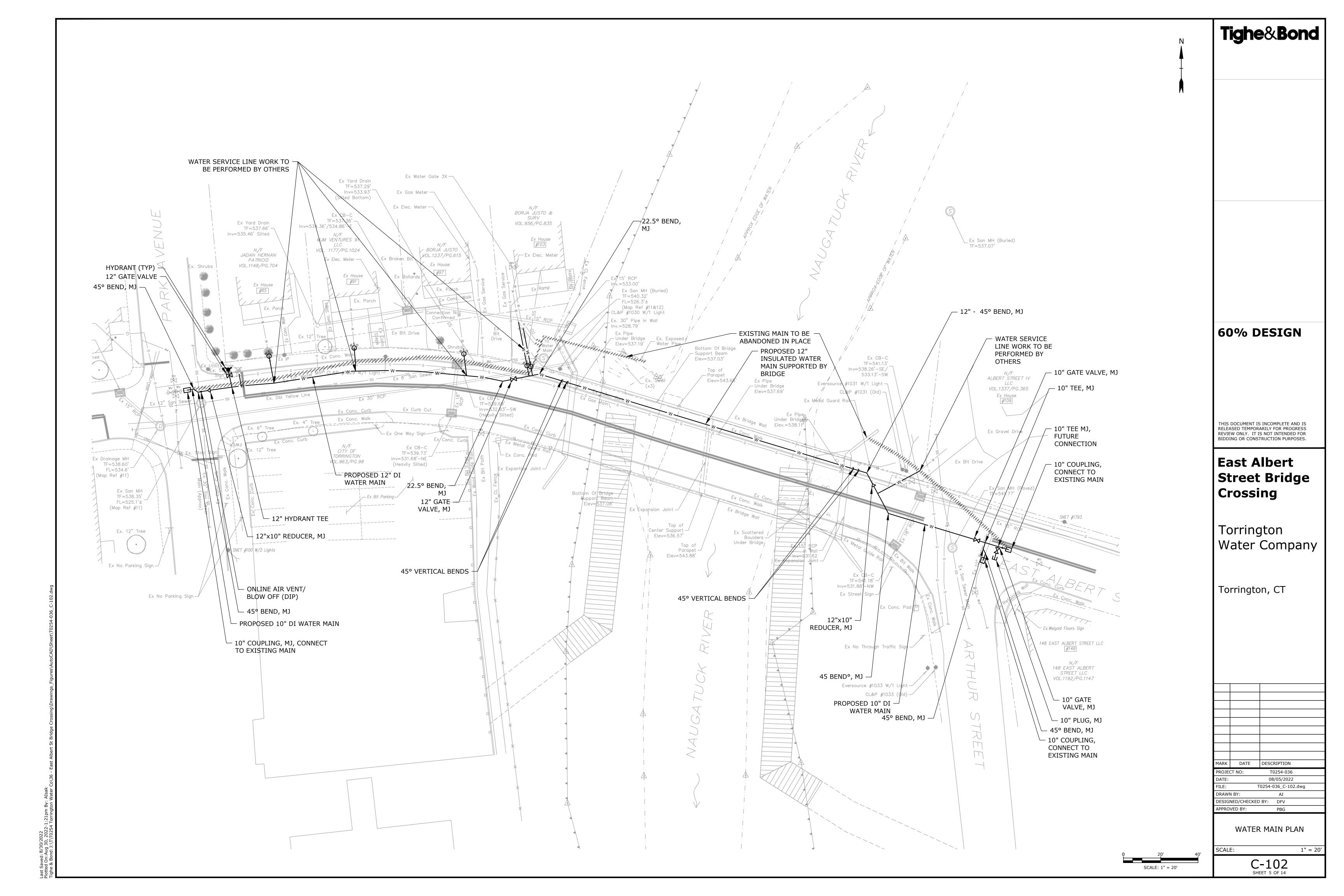
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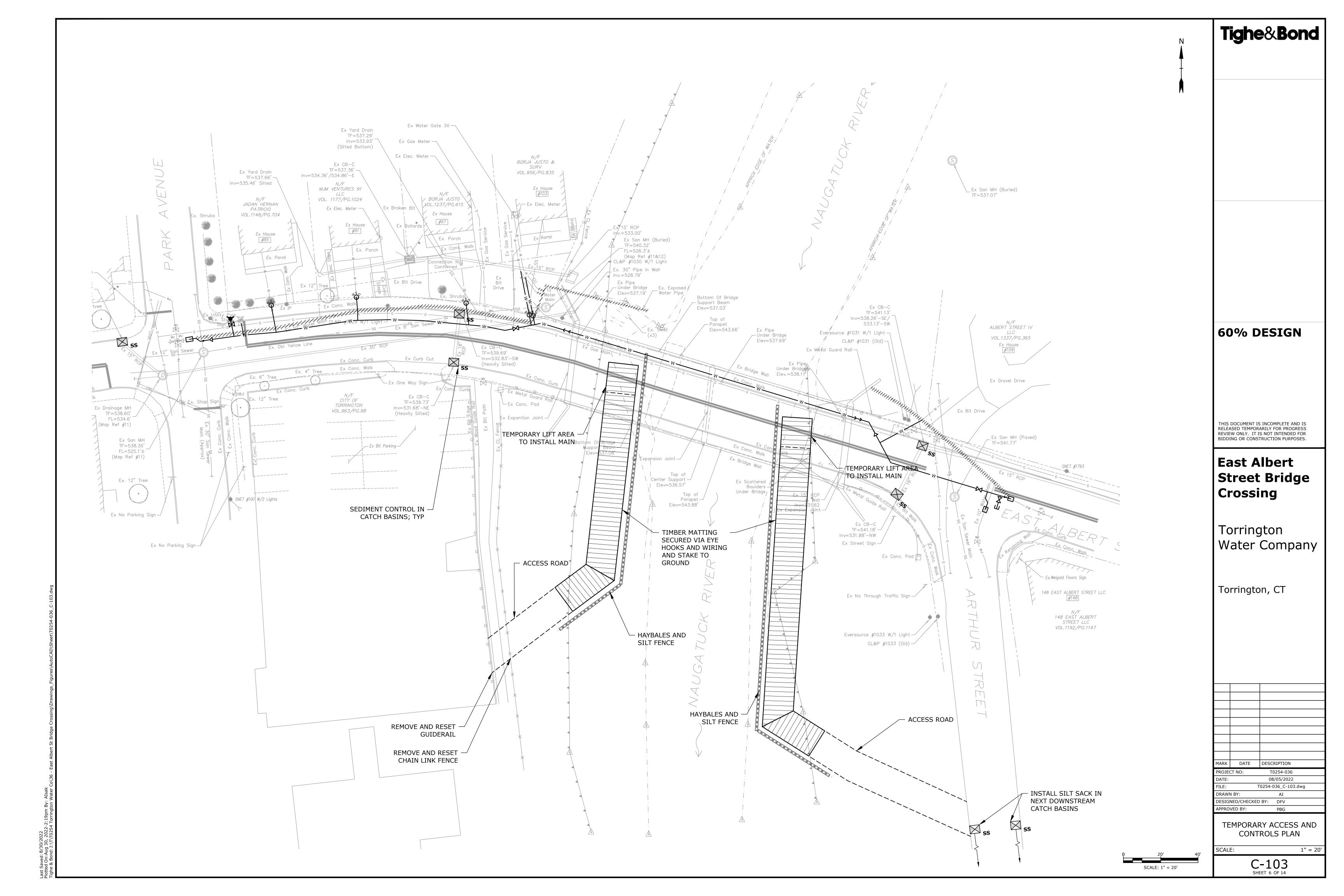
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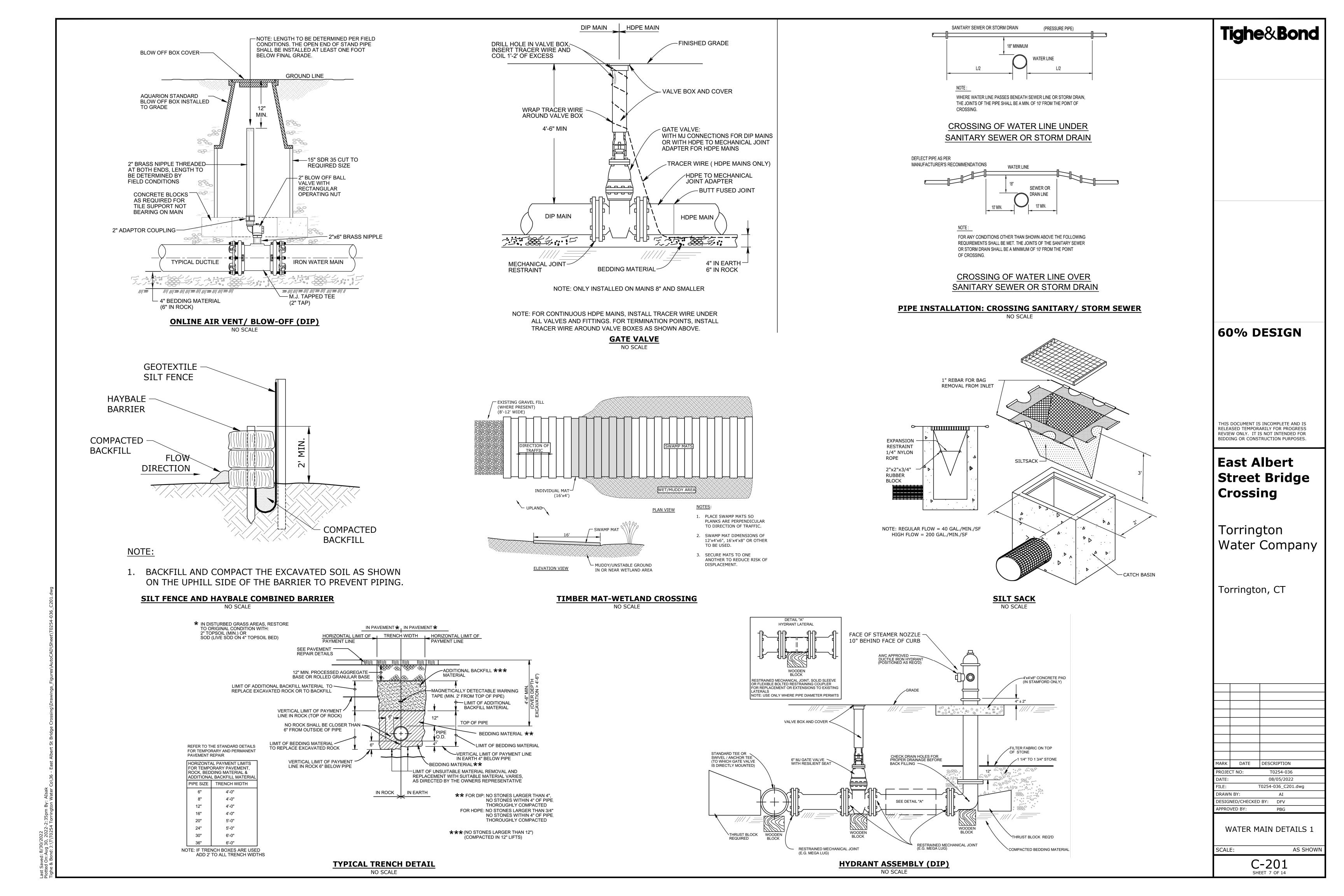


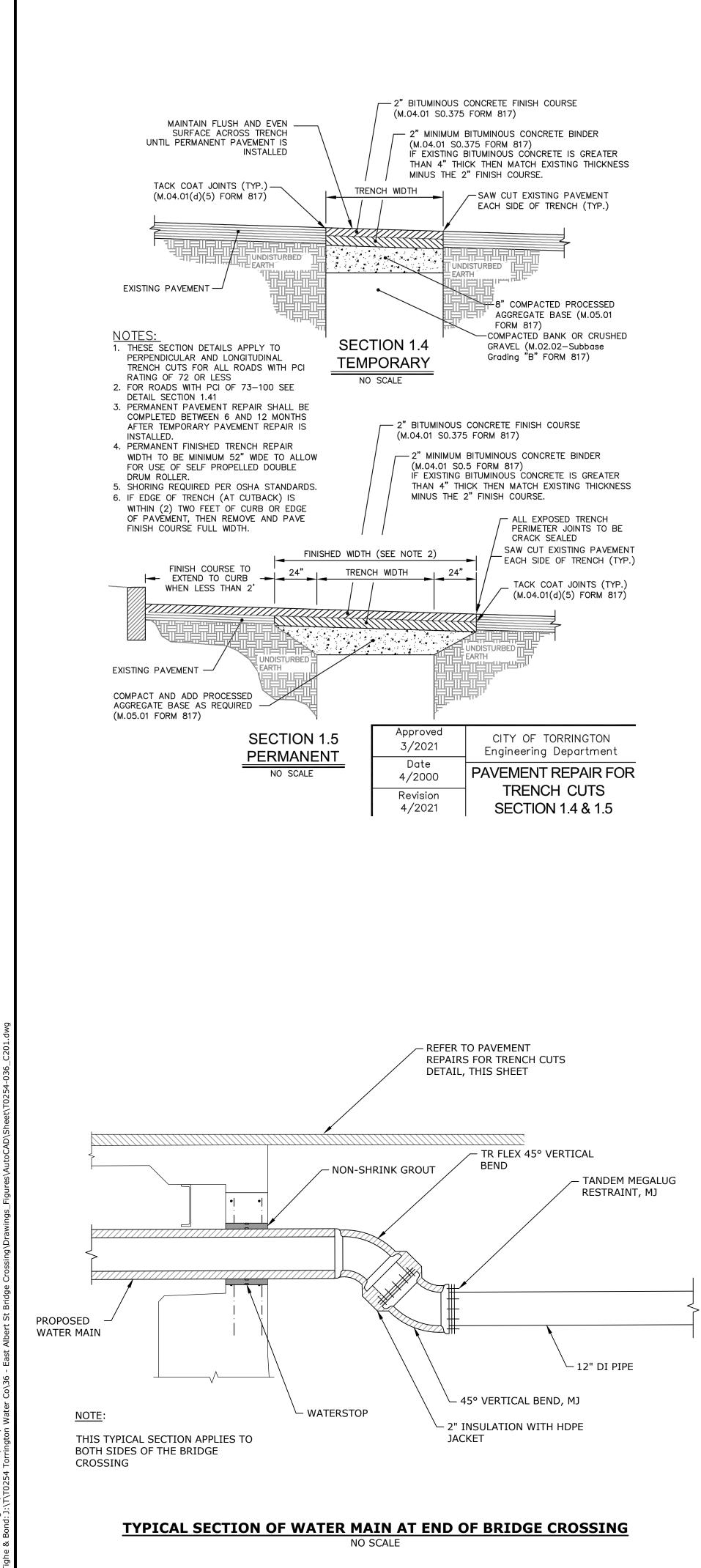
		Ticks % Band
ABBREV	/IATIONS	<b>Tighe&amp;Bond</b>
ABDN('D) AC	ABANDON(ED) ASBESTOS CEMENT PIPE	
3C 3FP	BITUMINOUS CURB BACK FLOW PREVENTOR	
BIT BL	BITUMINOUS BASELINE	
BLDG	BUILDING	
SND SOC	BOUND BOTTOM OF CURB	
OT S	BOTTOM BOTTOM OF STEP	
SW CATV	BOTTOM OF WALL CABLE TELEVISION	
CB CEM	CATCH BASIN CEMENT	
CI CL	CAST IRON PIPE CENTERLINE	
CLF CO	CHAIN LINK FENCE CLEAN OUT	
ONC PP	CONCRETE CORRUGATED	
	POLYETHYLENE PIPE CUBIC YARD	
Y H	DRILL HOLE	
I IA	DUCTILE IRON PIPE DIAMETER	
MH	DRAIN MANHOLE EAST	
G L/ELEV	EXISTING GRADE ELEVATION	
LEC MH	ELECTRIC ELECTRIC MANHOLE	
OP W	EDGE OF PAVEMENT EACH WAY	
XIST ES	EXISTING FLARED END SECTION	
F M	FINISH FLOOR FORCE MAIN	
	GAS GAS GATE	
G RAN	GRANITE	
C DPE	HANDICAP HIGH DENSITY	
MA	POLYETHYLENE HOT MIX ASPHALT	60% DESIGN
YD N	HYDRANT INCHES	
NV D	INVERT IRON PIN	
D	LENGTH OF CURB LIGHT POLE	
Г AX	LEFT MAXIMUM	
Н	MANHOLE	
IN ISC	MINIMUM MISCELLANEOUS	
ON J	MONUMENT MECHANICAL JOINT	
TS	NORTH NOT TO SCALE	THIS DOCUMENT IS INCOMPLETE AND IS
/A	NOT APPLICABLE	RELEASED TEMPORARILY FOR PROGRESS REVIEW ONLY. IT IS NOT INTENDED FOR BIDDING OR CONSTRUCTION PURPOSES.
)C )CS	ON CENTER OUTLET CONTROL STRUCTURE	
)H B	OVERHEAD PLANT BED	East Albert
C CC	POINT OF CURVATURE POINT OF COMPOUND	
СРР	CURVATURE PERFORATED CORRUGATED	Street Bridge
	POLYETHYLENE PIPE PERFORATED	Crossing
ERF I	POLYETHYLENE PIPE PERFORATED POINT OF INTERSECTION	
ERF I RC SF	POLYETHYLENE PIPE PERFORATED POINT OF INTERSECTION POINT OF REVERSE CURVATURE POUNDS PER SQUARE FOOT	
ERF I RC SF SI T	POLYETHYLENE PIPE PERFORATED POINT OF INTERSECTION POINT OF REVERSE CURVATURE POUNDS PER SQUARE FOOT POUNDS PER SQUARE INCH POINT OF TANGENCY	Crossing
ERF I RC SF SI T VC	POLYETHYLENE PIPE PERFORATED POINT OF INTERSECTION POINT OF REVERSE CURVATURE POUNDS PER SQUARE FOOT POUNDS PER SQUARE INCH POINT OF TANGENCY POLYVINYLCHLORIDE PAVEMENT	<b>Crossing</b> Torrington
ERF I RC SF SI T VC VMT CP	POLYETHYLENE PIPE PERFORATED POINT OF INTERSECTION POINT OF REVERSE CURVATURE POUNDS PER SQUARE FOOT POUNDS PER SQUARE INCH POINT OF TANGENCY POLYVINYLCHLORIDE PAVEMENT RADIUS REINFORCED CONCRETE PIPE	Crossing
ERF I RC SF SI T VC VMT CP D OW	POLYETHYLENE PIPE PERFORATED POINT OF INTERSECTION POINT OF REVERSE CURVATURE POUNDS PER SQUARE FOOT POUNDS PER SQUARE INCH POINT OF TANGENCY POLYVINYLCHLORIDE PAVEMENT RADIUS REINFORCED CONCRETE PIPE ROOF DRAIN RIGHT OF WAY	<b>Crossing</b> Torrington
ERF I RC SF SI T VC VMT CP D OW T	POLYETHYLENE PIPE PERFORATED POINT OF INTERSECTION POINT OF REVERSE CURVATURE POUNDS PER SQUARE FOOT POUNDS PER SQUARE INCH POINT OF TANGENCY POLYVINYLCHLORIDE PAVEMENT RADIUS REINFORCED CONCRETE PIPE ROOF DRAIN RIGHT OF WAY RIGHT	<b>Crossing</b> Torrington
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ERF I RC SF SI T VC VMT CP D OW T AN CH F MH S	POLYETHYLENE PIPE PERFORATED POINT OF INTERSECTION POINT OF REVERSE CURVATURE POUNDS PER SQUARE FOOT POUNDS PER SQUARE INCH POINT OF TANGENCY POLYVINYLCHLORIDE PAVEMENT RADIUS REINFORCED CONCRETE PIPE ROOF DRAIN RIGHT OF WAY RIGHT SOUTH SANITARY SCHEDULE SQUARE FOOT SEWER MANHOLE STAINLESS STEEL	<b>Crossing</b> Torrington Water Company
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ERF I RC SF SI T VC T AN CP D OW T AN CP D OW T AN C F H S TA TL TRM C EL P S W YP P	POLYETHYLENE PIPE PERFORATED POINT OF INTERSECTION POINT OF REVERSE CURVATURE POUNDS PER SQUARE FOOT POUNDS PER SQUARE INCH POINT OF TANGENCY POLYVINYLCHLORIDE PAVEMENT RADIUS REINFORCED CONCRETE PIPE ROOF DRAIN RIGHT OF WAY RIGHT SOUTH SANITARY SCHEDULE SQUARE FOOT SEWER MANHOLE STAINLESS STEEL STATION STEEL STORM TANGENT LENGTH TOP OF CURB TEL-DATA TEST PIT TOP OF STEP TOP OF WALL TYPICAL UTILITY POLE	<b>Crossing</b> Torrington Water Company
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ERF I RC SF SI VC VMT CP OW T AN CP OW T AN CP OW T AN CP OW T AN CP S W P V S W P V / G	POLYETHYLENE PIPE PERFORATED POINT OF INTERSECTION POINT OF REVERSE CURVATURE POUNDS PER SQUARE FOOT POUNDS PER SQUARE INCH POINT OF TANGENCY POLYVINYLCHLORIDE PAVEMENT RADIUS REINFORCED CONCRETE PIPE ROOF DRAIN RIGHT OF WAY RIGHT SOUTH SANITARY SCHEDULE SQUARE FOOT SEWER MANHOLE STATINA STEEL STATION STEEL STORM TANGENT LENGTH TOP OF CURB TEL-DATA TEST PIT TOP OF STEP TOP OF WALL TYPICAL UTILITY POLE WATER WATER	<b>Crossing</b> Torrington Water Company
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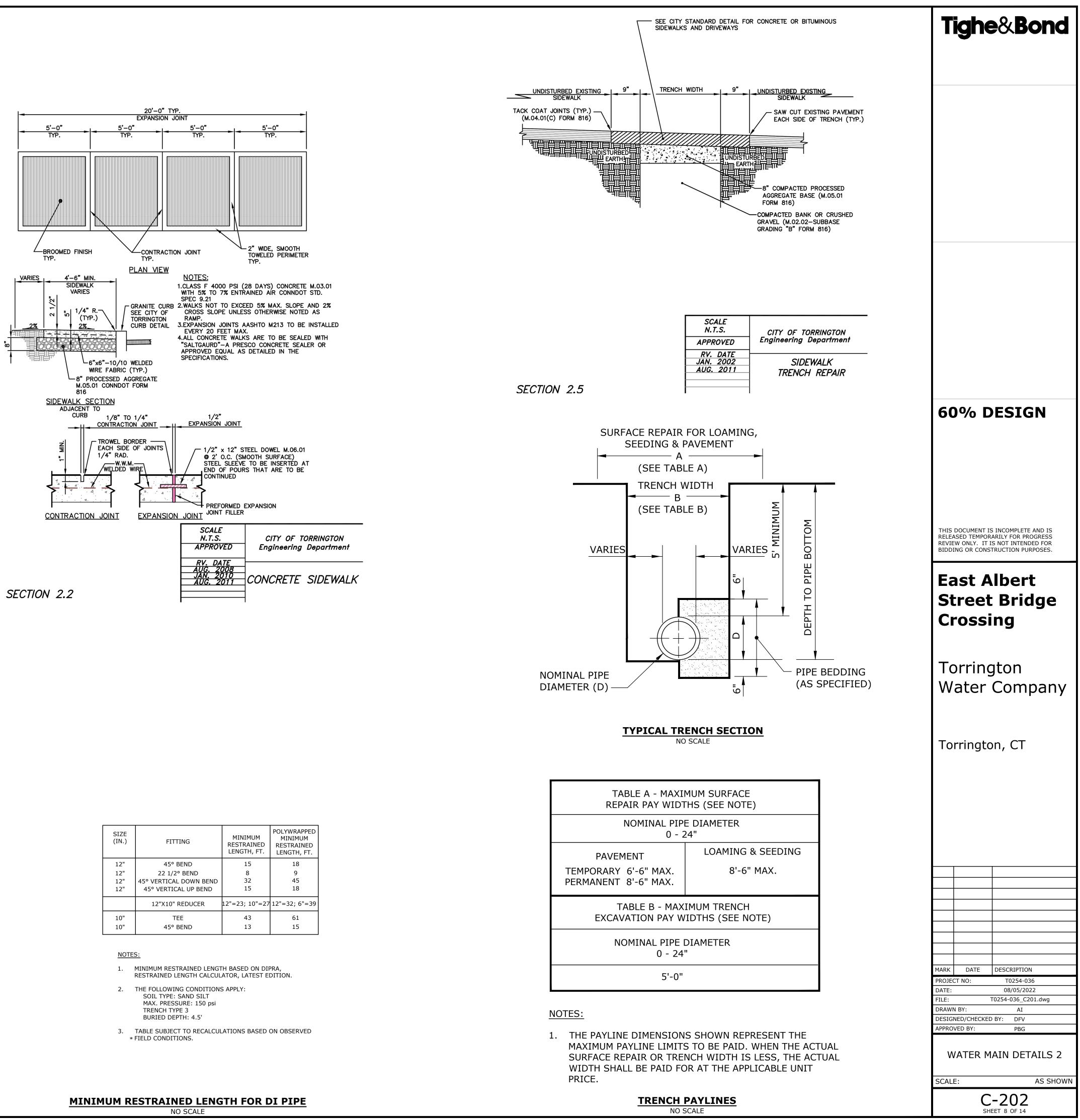






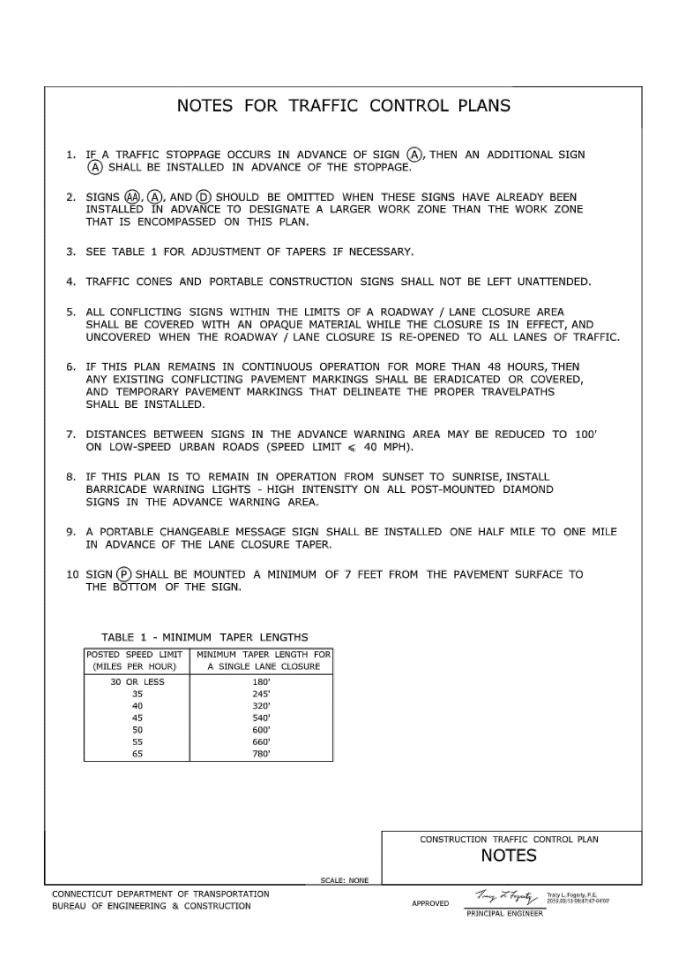


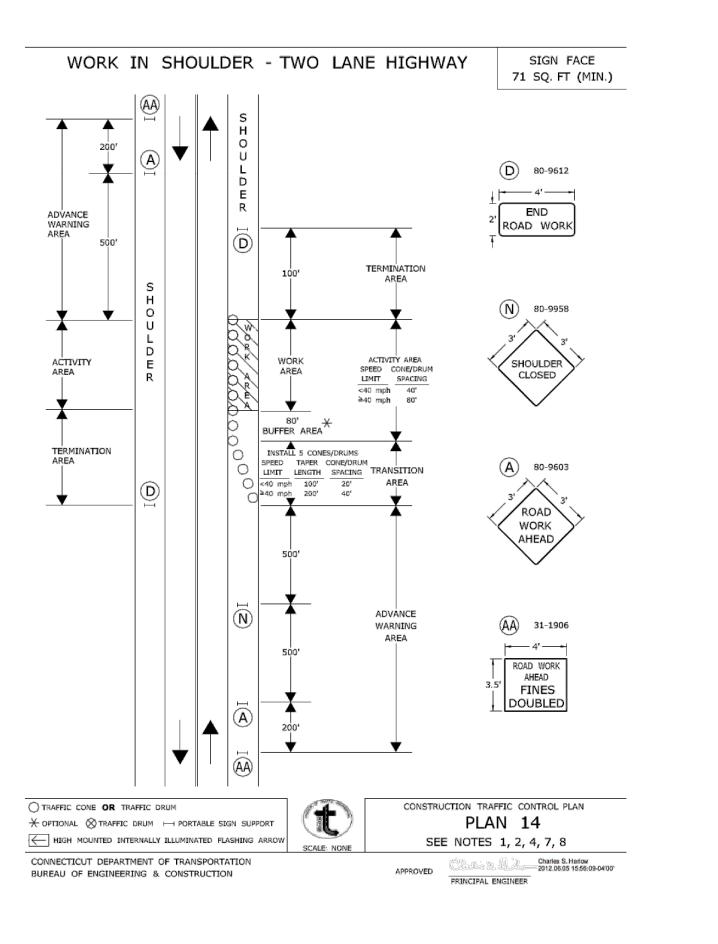




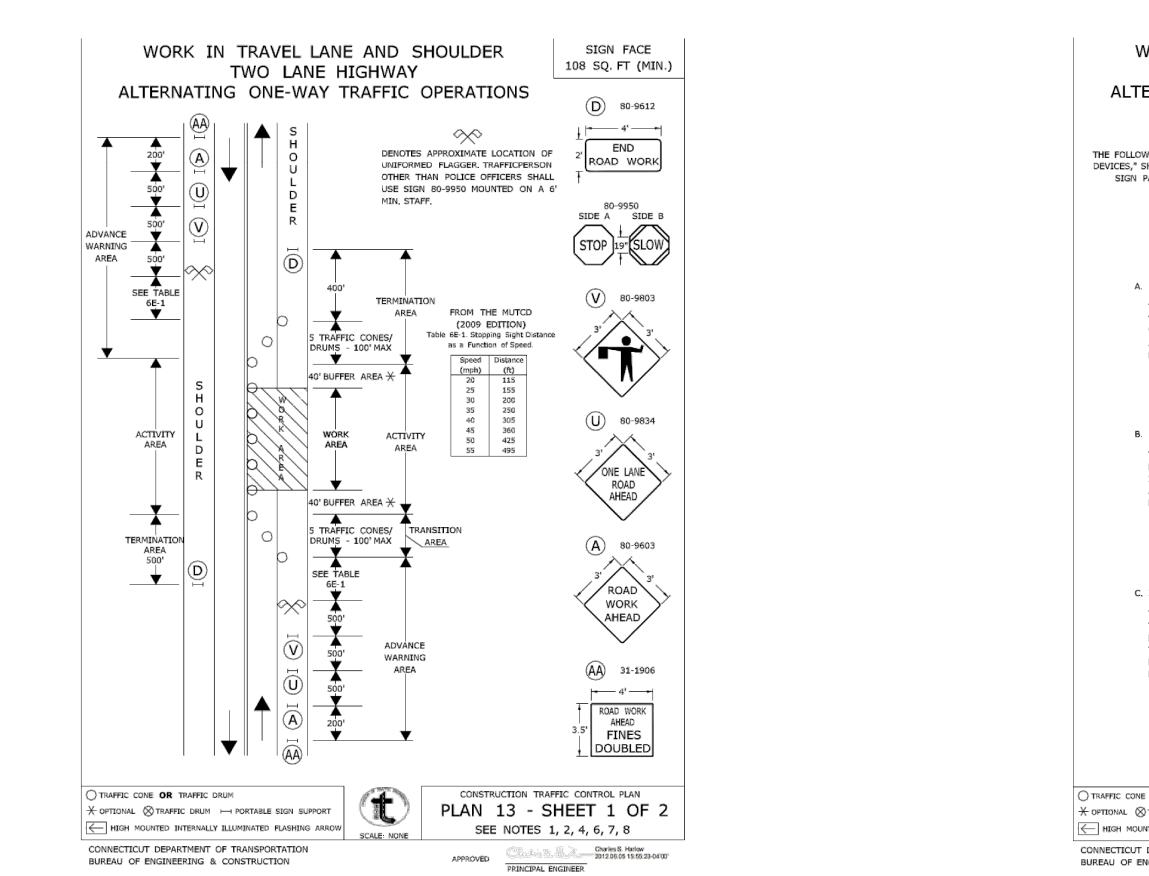
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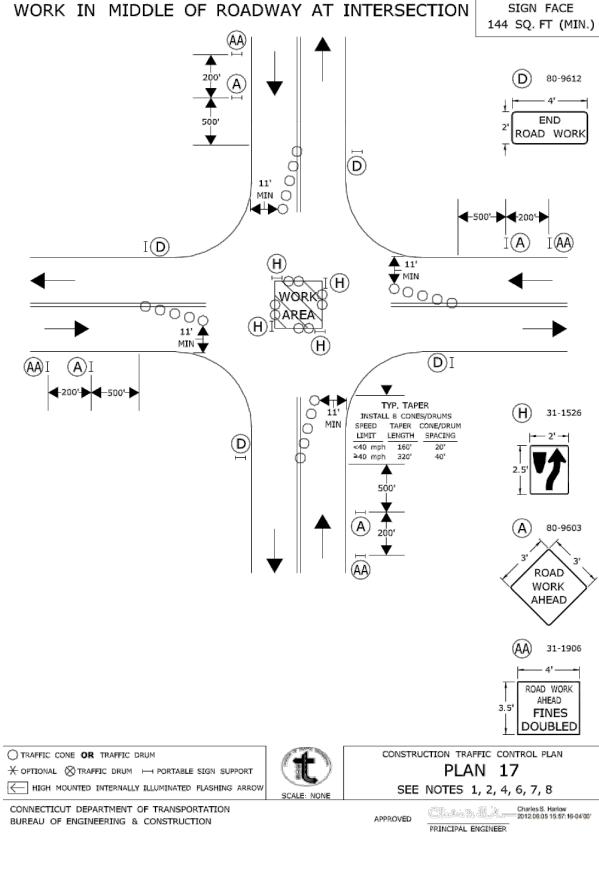
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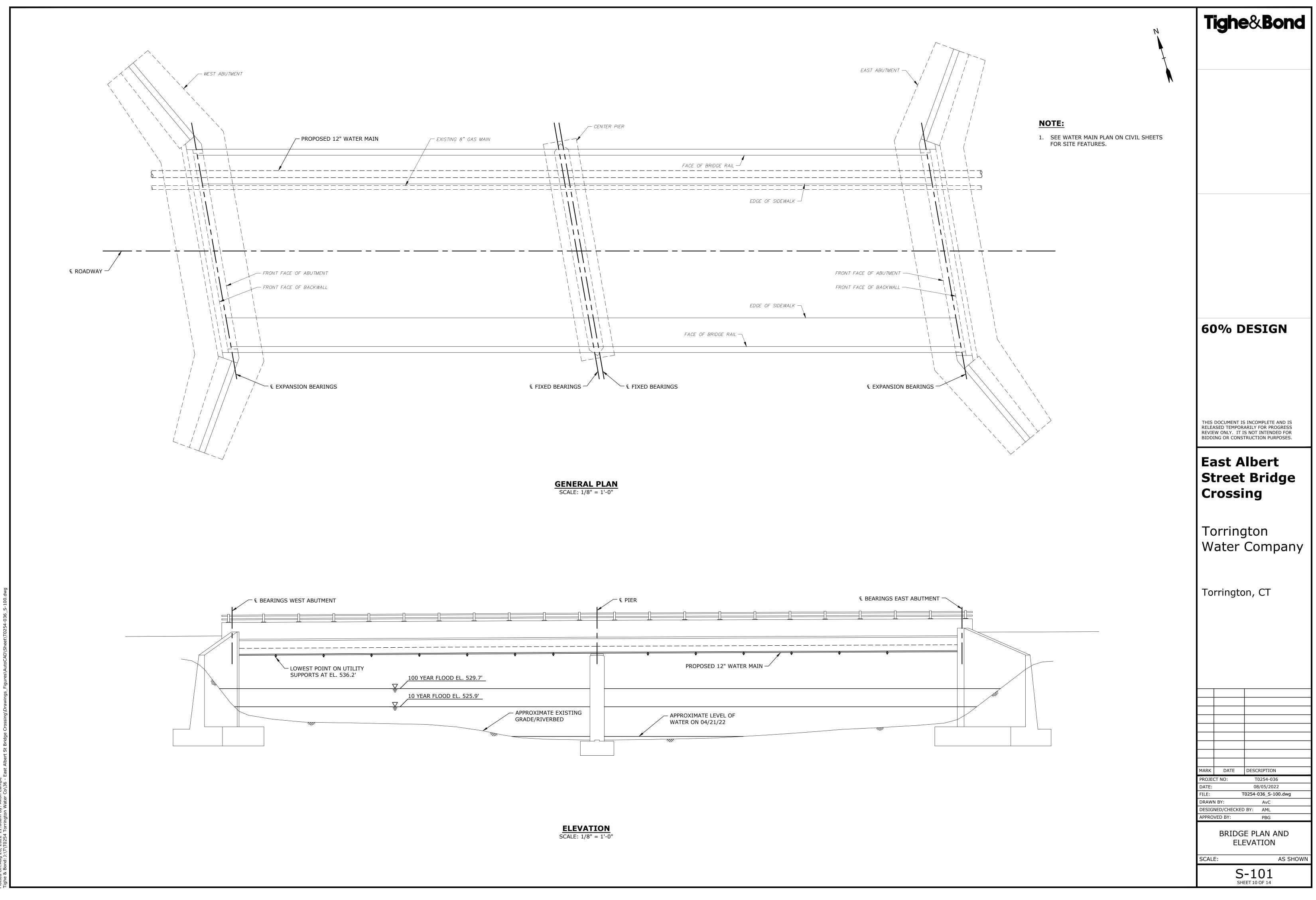




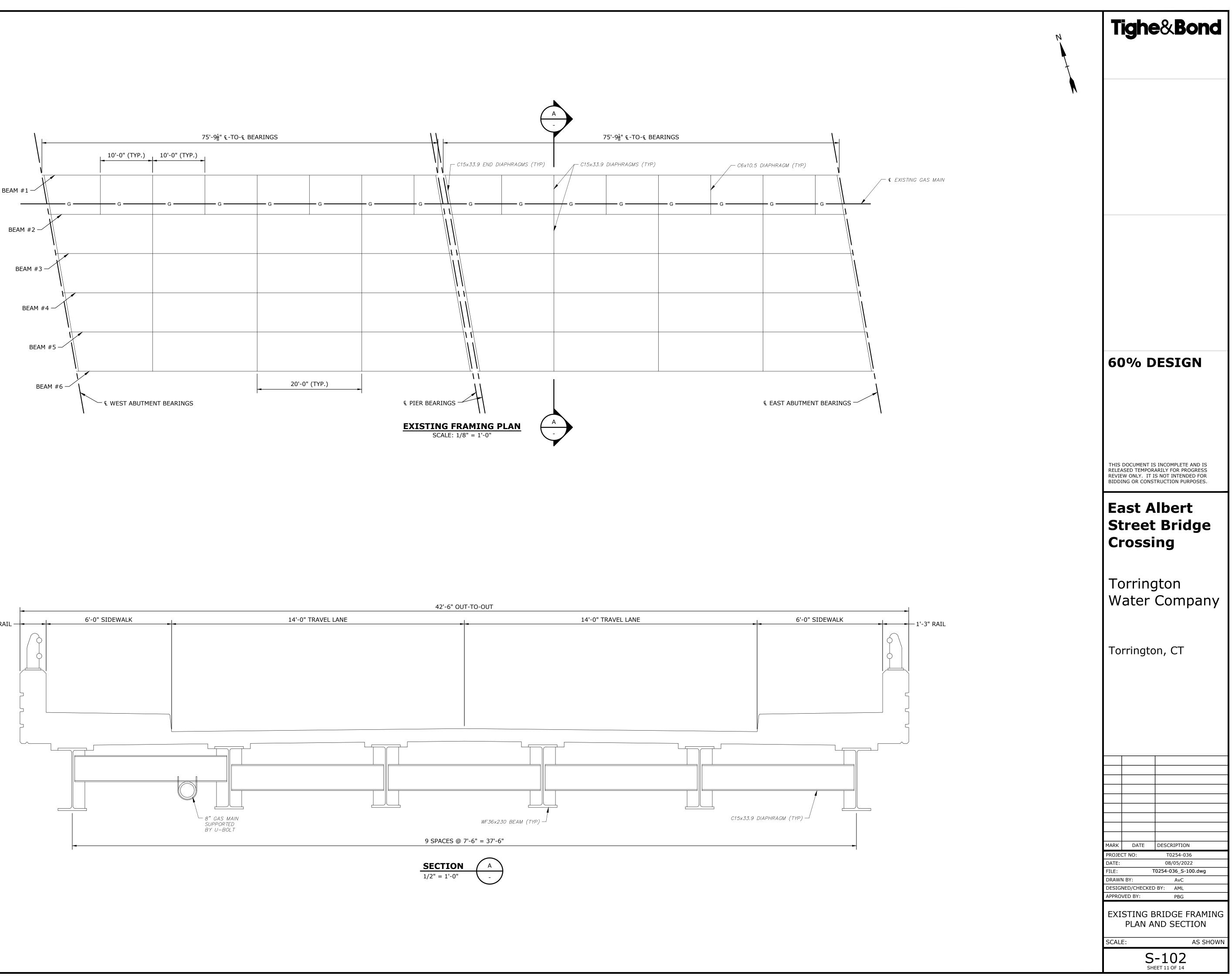


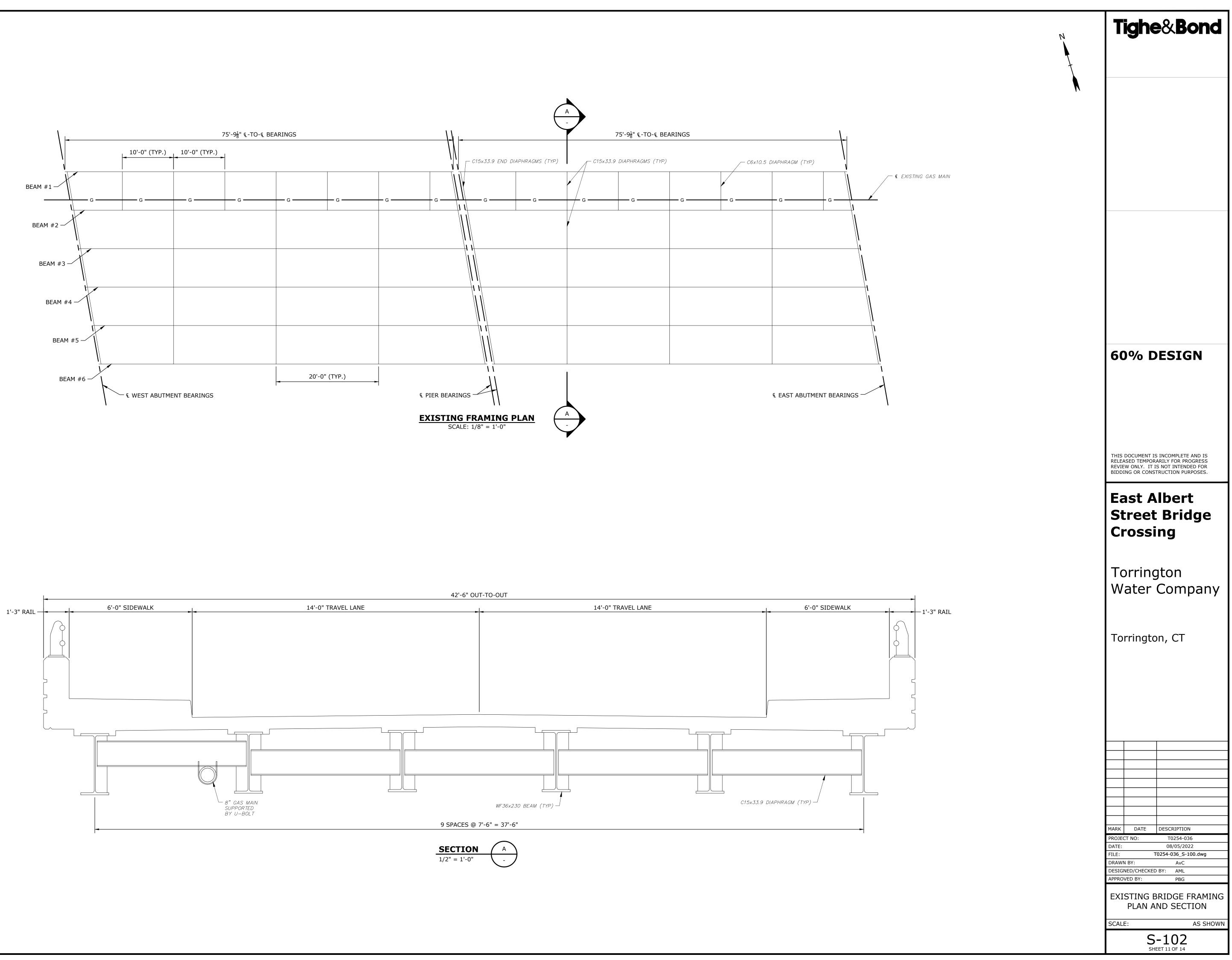


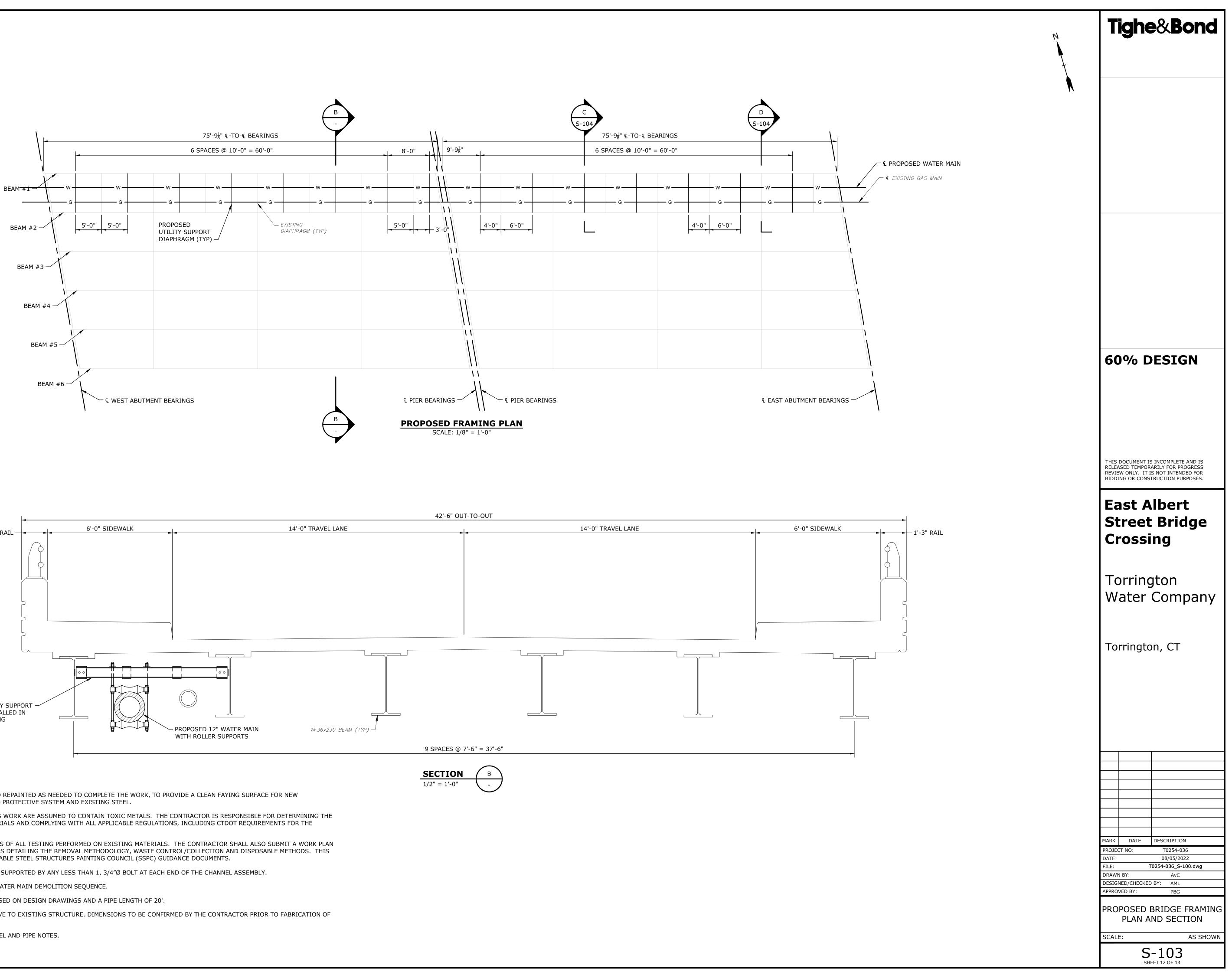
#### Tighe&Bond SIGN FACE WORK IN TRAVEL LANE AND SHOULDER 108 SQ. FT (MIN.) TWO LANE HIGHWAY ALTERNATING ONE-WAY TRAFFIC OPERATIONS HAND SIGNAL METHODS TO BE USED BY UNIFORMED FLAGGERS THE FOLLOWING METHODS FROM SECTION 6E.07, FLAGGER PROCEDURES, IN THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES," SHALL BE USED BY UNIFORMED FLAGGERS WHEN DIRECTING TRAFFIC THROUGH A WORK AREA THE STOP/SLOW SIGN PADDLE (SIGN NO. 80-9950) SHOWN ON THE TRAFFIC STANDARD SHEET TR-1220 01 ENTITLED, "SIGNS FOR CONSTRUCTION AND PERMIT OPERATIONS" SHALL BE USED. A. TO STOP TRAFFIC TO STOP ROAD USERS, THE FLAGGER SHALL FACE ROAD USERS AND AIM THE STOP PADDLE FACE TOWARD ROAD USERS IN A STATIONARY POSITION WITH THE ARM EXTENDED HORIZONTALLY AWAY FROM THE BODY. THE FREE ARM SHALL BE HELD WITH THE PALM OF THE HAND ABOVE SHOULDER LEVEL TOWARD APPROACHING TRAFFIC B. TO DIRECT TRAFFIC TO PROCEED TO DIRECT STOPPED ROAD USERS TO PROCEED, THE FLAGGER SHALL FACE ROAD USERS WITH THE SLOW PADDLE FACE AIMED TOWARD ROAD USERS IN A STATIONARY POSITION WITH THE ARM EXTENDED HORIZONTALLY AWAY FROM THE BODY. THE FLAGGER SHALL MOTION WITH THE FREE HAND FOR ROAD USERS TO PROCEED. C. TO ALERT OR SLOW TRAFFIC TO ALERT OR SLOW TRAFFIC, THE FLAGGER SHALL FACE ROAD USERS WITH THE SLOW PADDLE FACE AIMED TOWARD ROAD USERS IN A STATIONARY POSITION WITH THE ARM EXTENDED HORIZONTALLY AWAY FROM THE BODY. TO FURTHER ALERT OR SLOW TRAFFIC, THE FLAGGER HOLDING THE SLOW PADDLE FACE TOWARD ROAD USERS MAY MOTION UP AND DOWN WITH THE FREE HAND, PALM DOWN. 60% DESIGN CONSTRUCTION TRAFFIC CONTROL PLAN TRAFFIC CONE OR TRAFFIC DRUM PLAN 13 - SHEET 2 OF 2 🔆 OPTIONAL 🛞 TRAFFIC DRUM 🛏 PORTABLE SIGN SUPPORT HIGH MOUNTED INTERNALLY ILLUMINATED FLASHING ARROW SEE NOTES 1, 2, 4, 6, 7, 8 SCALE: NONE CONNECTICUT DEPARTMENT OF TRANSPORTATION Charles S. Harlow 2012.06.05 15:55:45-04'00' APPROVED BUREAU OF ENGINEERING & CONSTRUCTION PRINCIPAL ENGINEER THIS DOCUMENT IS INCOMPLETE AND IS RELEASED TEMPORARILY FOR PROGRESS REVIEW ONLY. IT IS NOT INTENDED FOR BIDDING OR CONSTRUCTION PURPOSES. East Albert Street Bridge Crossing Torrington Water Company Torrington, CT MARK DATE DESCRIPTION PROJECT NO: T0254-036 DATE: 08/05/2022 T0254-036\_C201.dwg TIE DRAWN BY: AI ESIGNED/CHECKED BY: DFV APPROVED BY: PBG TRAFFIC CONTROL DETAILS SCALE: AS SHOWN C-203 SHEET 9 OF 14

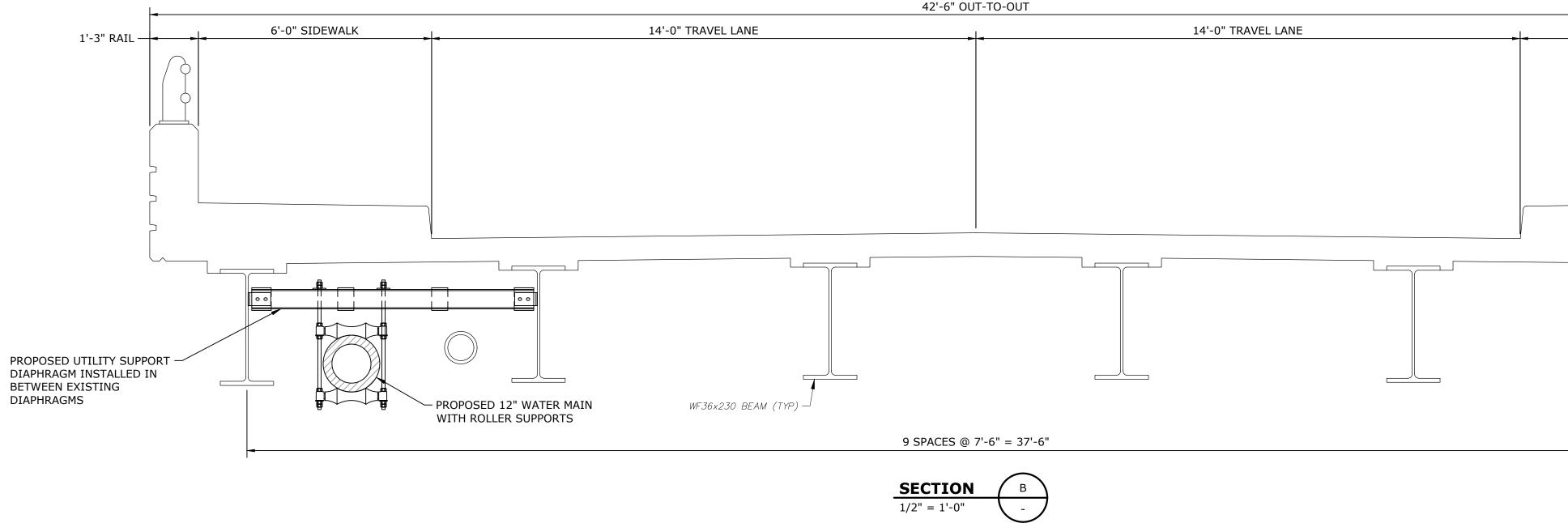






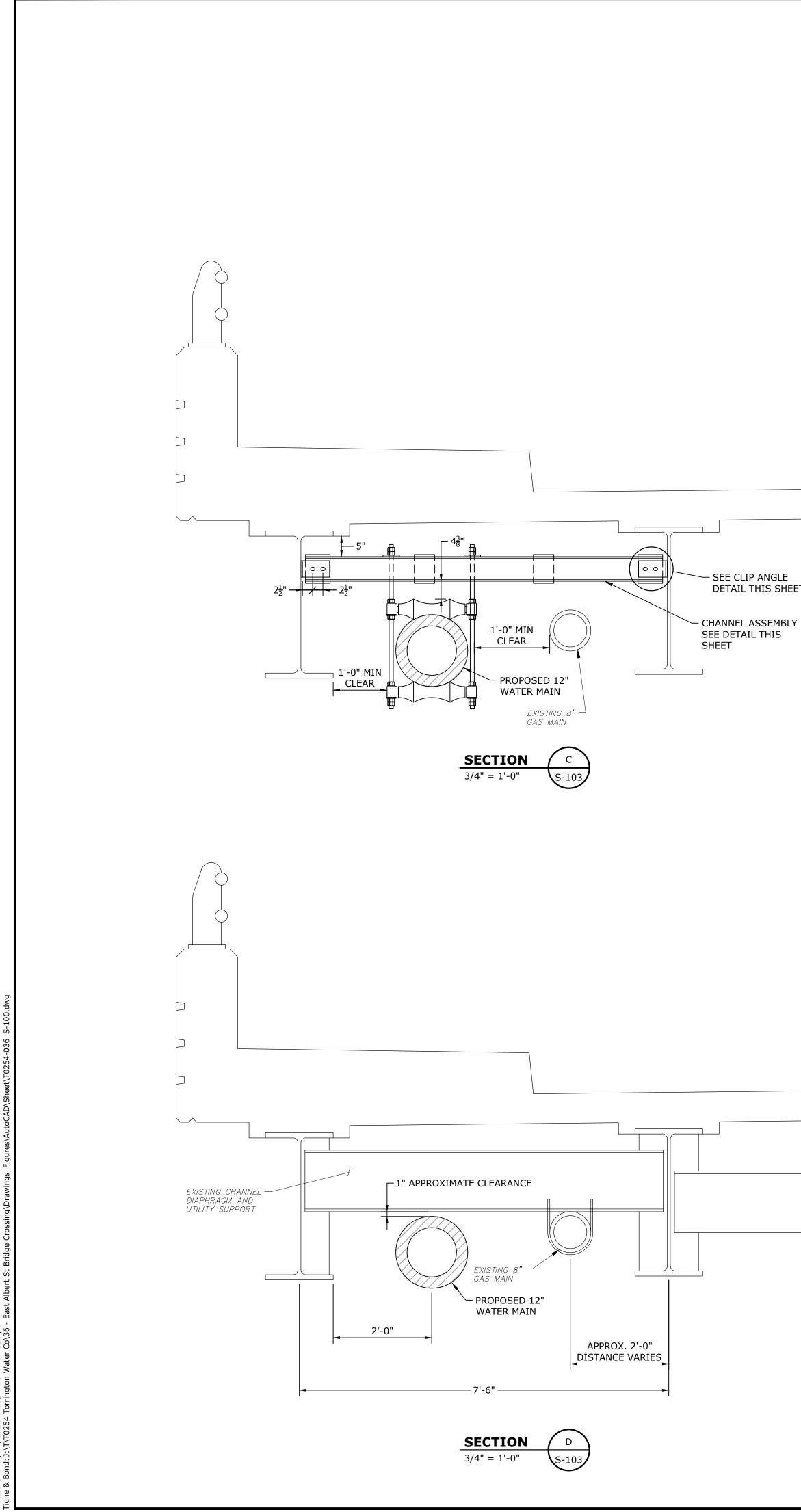




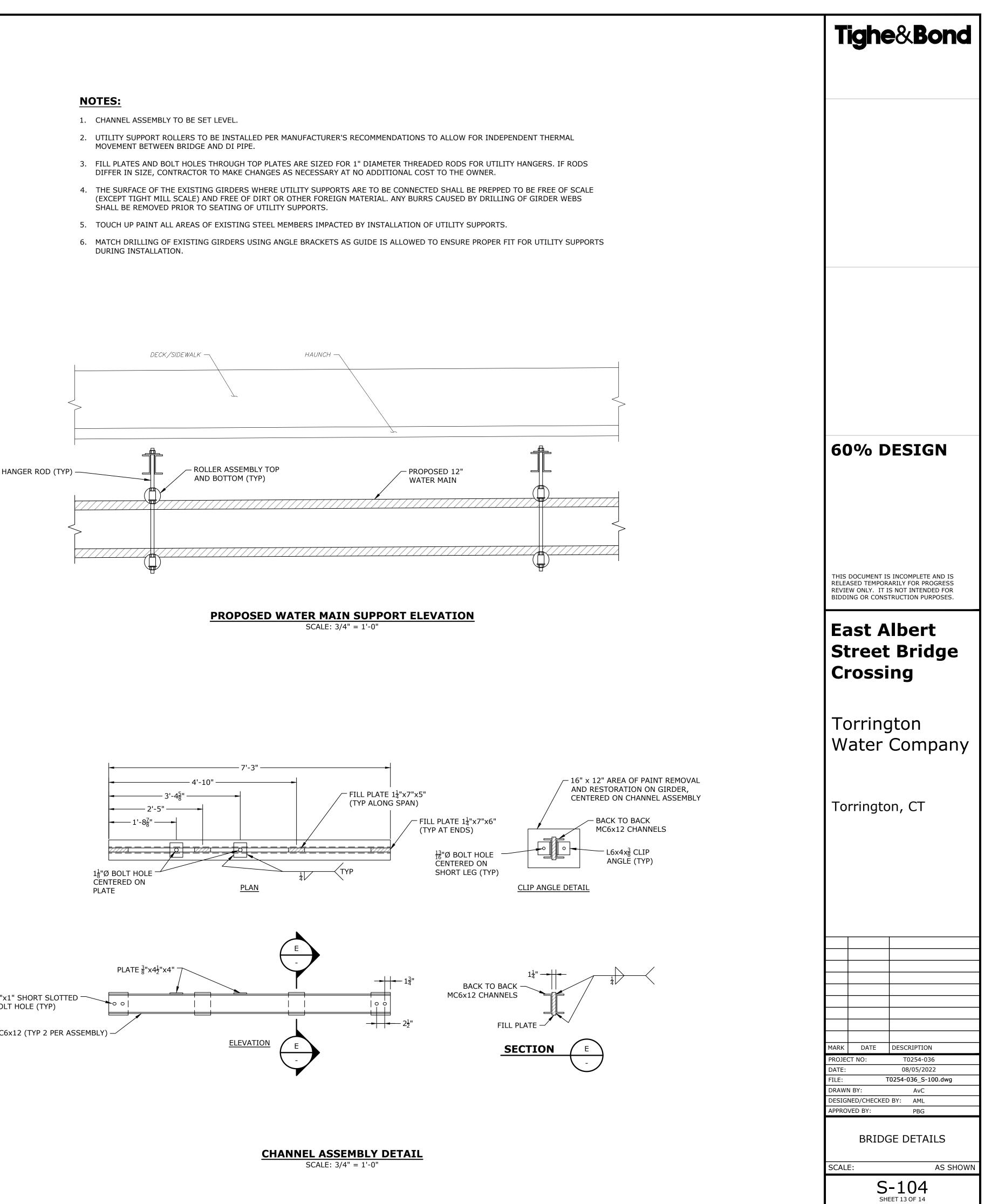


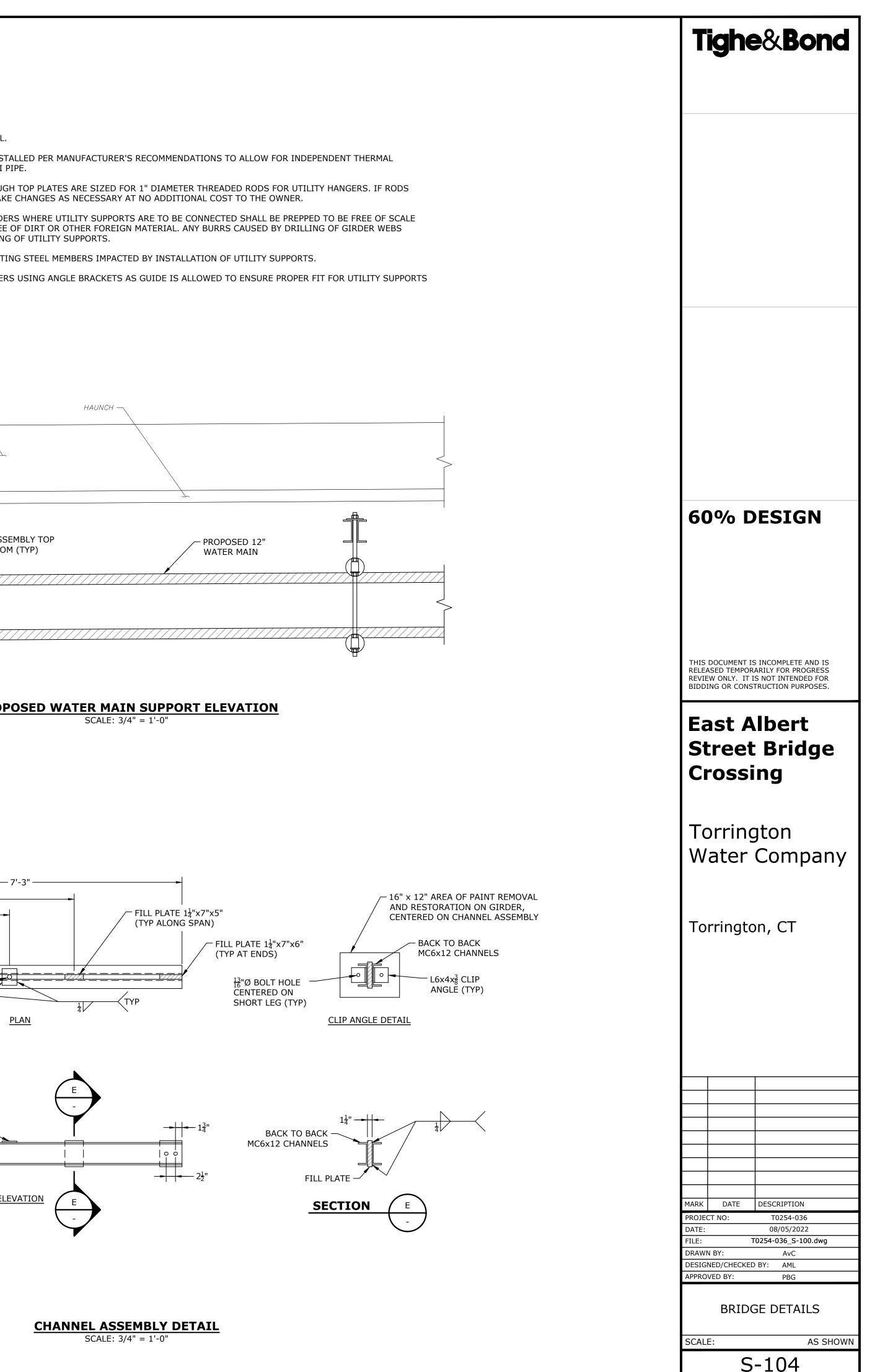
#### NOTES:

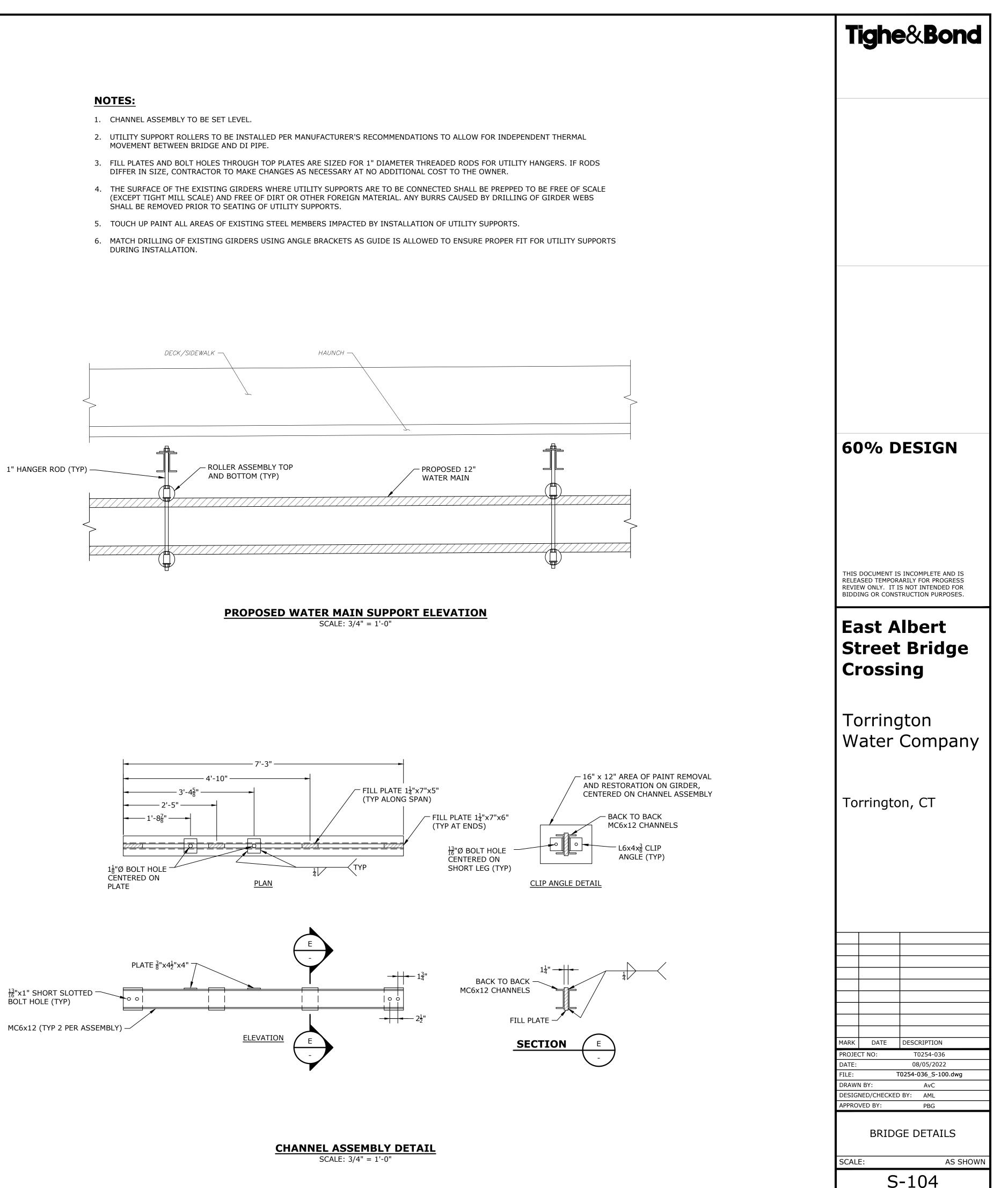
- 1. EXISTING PAINT SYSTEM TO BE REMOVED AND REPAINTED AS NEEDED TO COMPLETE THE WORK, TO PROVIDE A CLEAN FAYING SURFACE FOR NEW CONNECTIONS, AND TO PROVIDE A RESTORED PROTECTIVE SYSTEM AND EXISTING STEEL.
- 2. EXISTING COATINGS TO BE IMPACTED BY THIS WORK ARE ASSUMED TO CONTAIN TOXIC METALS. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE HAZARDS ASSOCIATED WITH EXISTING MATERIALS AND COMPLYING WITH ALL APPLICABLE REGULATIONS, INCLUDING CTDOT REQUIREMENTS FOR THE REMOVAL OF HAZARDOUS MATERIALS.
- 3. THE CONTRACTOR SHALL SUBMIT THE RESULTS OF ALL TESTING PERFORMED ON EXISTING MATERIALS. THE CONTRACTOR SHALL ALSO SUBMIT A WORK PLAN FOR THE REMOVAL OF THE EXISTING COATINGS DETAILING THE REMOVAL METHODOLOGY, WASTE CONTROL/COLLECTION AND DISPOSABLE METHODS. THIS PLAN SHALL BE IN ACCORDANCE WITH APPLICABLE STEEL STRUCTURES PAINTING COUNCIL (SSPC) GUIDANCE DOCUMENTS.
- 4. AT NO TIME SHALL THE UTILITY SUPPORTS BE SUPPORTED BY ANY LESS THAN 1, 3/4"Ø BOLT AT EACH END OF THE CHANNEL ASSEMBLY.
- 5. REFER TO WATER MAIN PLAN FOR EXISTING WATER MAIN DEMOLITION SEQUENCE.
- 6. UTILITY SUPPORT LOCATIONS SHOWN ARE BASED ON DESIGN DRAWINGS AND A PIPE LENGTH OF 20'.
- 7. ELEVATION OF PIPE SET BY SUPPORTS RELATIVE TO EXISTING STRUCTURE. DIMENSIONS TO BE CONFIRMED BY THE CONTRACTOR PRIOR TO FABRICATION OF SUPPORTS AND INSTALLATION OF PIPE.
- 8. REFER TO SHEET G-003 FOR STRUCTURAL STEEL AND PIPE NOTES.



- MOVEMENT BETWEEN BRIDGE AND DI PIPE.
- SHALL BE REMOVED PRIOR TO SEATING OF UTILITY SUPPORTS.
- DURING INSTALLATION.







### - SEE CLIP ANGLE DETAIL THIS SHEET

SEE DETAIL THIS

