

# MONTVILLE WATER POLLUTION CONTROL AUTHORITY

## CONTRACT DRAWINGS FOR STONY BROOK UTILITY BRIDGE REHABILITATION

### MONTVILLE, CT JANUARY 2024 ISSUED FOR BID

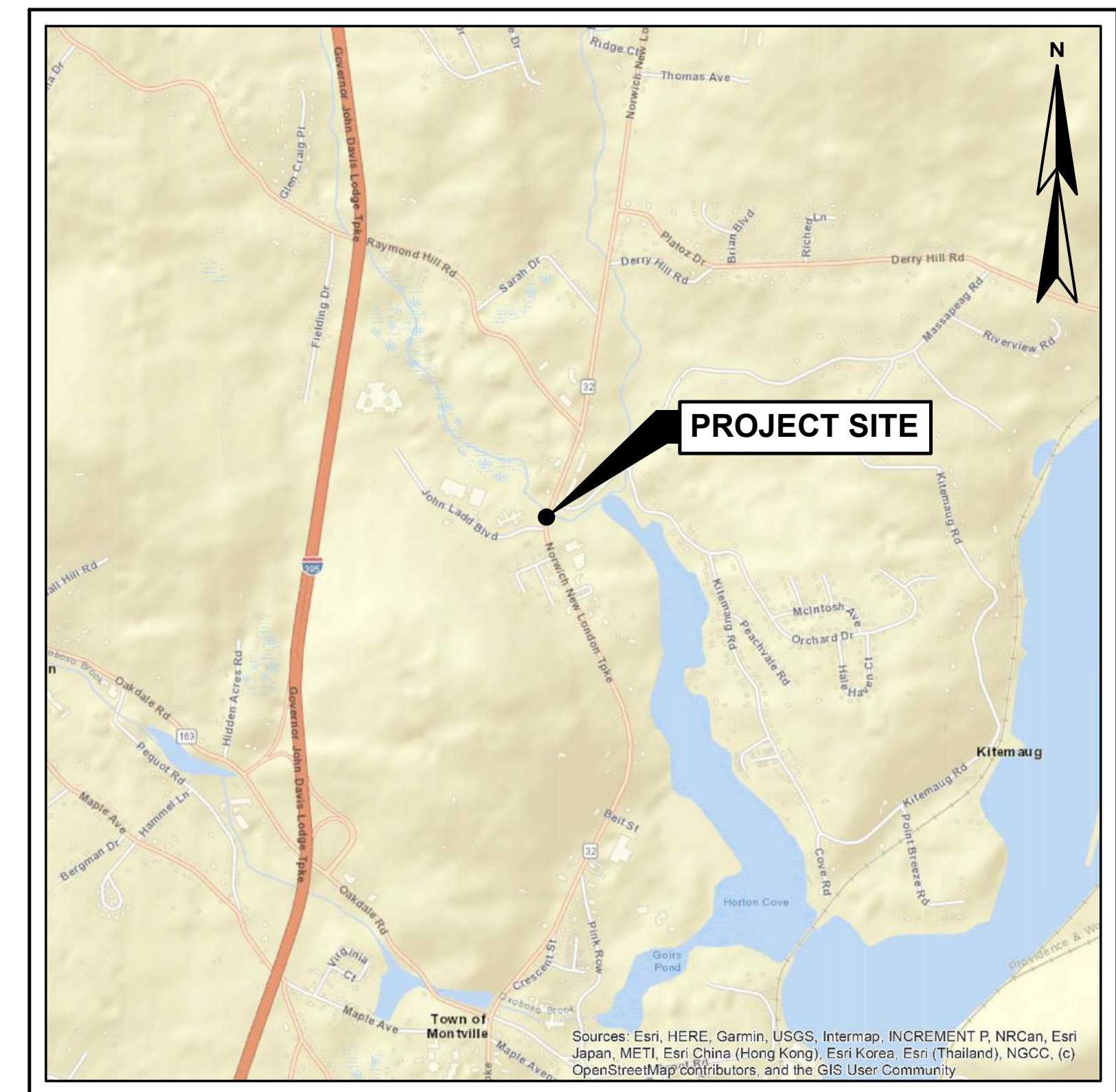
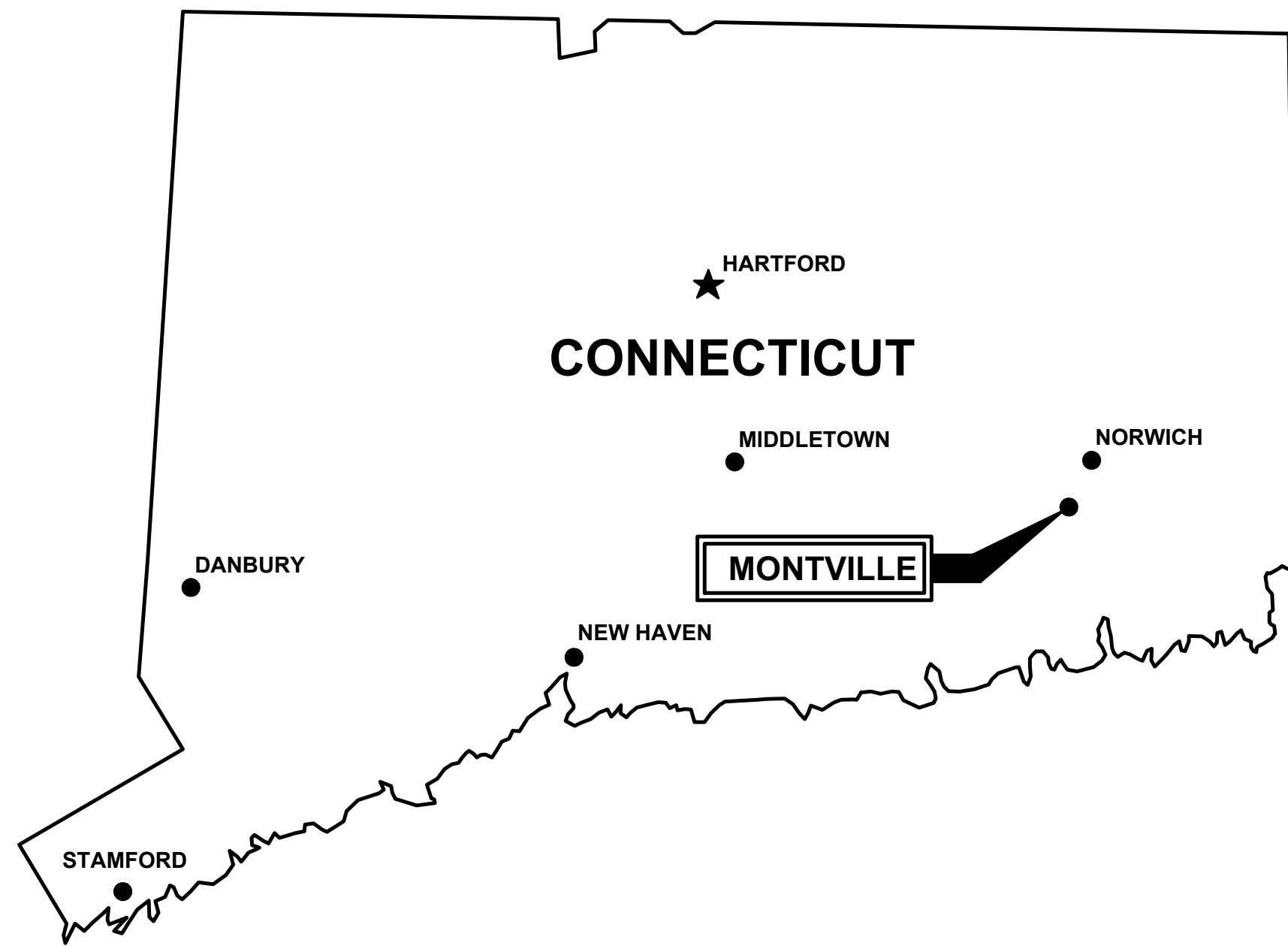
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**GENERAL**

--- COVER SHEET

**CIVIL**

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**LOCATION PLAN**  
SCALE: NTS



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GENERAL NOTES

- 1. THE OWNER WILL BE RESPONSIBLE FOR OBTAINING THE PERMITS LISTED IN THE SUPPLEMENTARY OR SPECIAL CONDITIONS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO BE FAMILIAR WITH THE APPLICABLE PROVISIONS OF EACH PERMIT AS THEY APPLY TO THE WORK PRIOR TO BIDDING AND ABIDE BY THOSE PROVISIONS DURING CONSTRUCTION. COPIES OF ALL OBTAINED PERMITS ARE AVAILABLE FOR REVIEW FROM THE OWNER. ALL OTHER PERMITS ARE THE RESPONSIBILITY OF THE CONTRACTOR.
2. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE REGULATIONS OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA).
3. CONTRACTOR SHALL COMPLY WITH THE COORDINATION REQUIREMENTS AND RELATED COSTS, IF ANY, AS SPECIFIED IN SPECIFICATION SECTION 01050.
4. CONTRACTOR SHALL NOTE THAT, IN GENERAL, ALL EXISTING CONDITION INFORMATION ON THE DRAWINGS ARE SHOWN WITH A LIGHTER LINE WEIGHT AND WITH A SLANTED TYPE TEXT.
5. ALL EXISTING SEWER, WATER AND STORM DRAIN LINES ENCOUNTERED DURING CONSTRUCTION ARE TO REMAIN IN SERVICE. ANY EXISTING SEWER, WATER AND STORM DRAIN LINES OR CULVERTS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
6. ALL STRUCTURES AND PIPELINES LOCATED ADJACENT TO TRENCH EXCAVATIONS SHALL BE PROTECTED AND FIRMLY SUPPORTED BY THE CONTRACTOR UNTIL THE TRENCH IS BACKFILLED. INJURY TO ANY SUCH STRUCTURES CAUSED BY OR RESULTING FROM THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. ALL UTILITIES REQUIRING REPAIR, RELOCATION OR ADJUSTMENT AS A RESULT OF THE PROJECT SHALL BE COORDINATED THROUGH THE RESPECTIVE UTILITY.
7. IN THOSE INSTANCES WHERE POWER OR TELEPHONE POLE SUPPORT IS REQUIRED, THE CONTRACTOR SHALL PROVIDE A MINIMUM 48-HOUR NOTICE TO THE RESPECTIVE UTILITY POLE OWNER. NO ADDITIONAL PAYMENT WILL BE PROVIDED FOR TEMPORARY BRACING OF UTILITIES.
8. CONNECTICUT STATE HIGHWAYS: THE FOLLOWING ROADWAY RIGHTS-OF-WAY FALL WITHIN THE JURISDICTION OF THE CONNECTICUT DEPARTMENT OF TRANSPORTATION. ALL WORK CONDUCTED WITHIN THESE ROADWAYS SHALL CONFORM TO CTDOT STANDARDS AND ROAD OPENING PERMIT REQUIREMENTS. THE CONTRACTOR SHALL BEAR ALL COSTS ASSOCIATED WITH COORDINATING WITH CTDOT AND MEETING THEIR REQUIREMENTS. CONNECTICUT STATE HIGHWAYS WITHIN THE PROJECT AREA ARE AS FOLLOWS:
• ROUTE 32
9. DO NOT SCALE DRAWINGS UNLESS OTHERWISE NOTED. WRITTEN DIMENSIONS AND STATIONING SHALL PREVAIL. REPORT ANY DISCREPANCIES IMMEDIATELY TO THE ENGINEER.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESETTling ALL EXISTING PROPERTY MONUMENTATION THAT IS DISTURBED BY THEIR OPERATIONS AT NO EXPENSE TO THE OWNER. THIS WORK IS TO BE DONE BY A LAND SURVEYOR REGISTERED IN THE STATE OF CONNECTICUT.
11. THE CONTRACTOR SHALL REMOVE AND REPLACE, OR REPAIR EXISTING ITEMS TO REMAIN THAT ARE DAMAGED BY THEIR CONSTRUCTION ACTIVITIES TO THE SATISFACTION OF THE OWNER, AND AT NO ADDITIONAL COST TO THE OWNER.

EXISTING SITE CONDITIONS

- 1. ALL DIMENSIONS AND DETAILS SHOWN FOR THE EXISTING STRUCTURE ARE NOT GUARANTEED. THE CONTRACTOR SHALL DETERMINE AND ESTABLISH ALL DIMENSIONS AND DETAILS NECESSARY FOR COMPLETION OF ALL WORK BY FIELD MEASUREMENTS AND SURVEY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ADEQUACY AND ACCURACY THEREOF, AND SHALL NOT ORDER ANY MATERIAL OR COMMENCE ANY FABRICATION UNTIL HE/SHE HAS MADE THE REQUIRED MEASUREMENTS ON THE ACTUAL STRUCTURE AND THE EXTENT OF THE PROPOSED WORK HAS BEEN ACCEPTED BY THE ENGINEER.

TRAFFIC CONTROL NOTES

- 1. THE PROJECT IS INTENDED TO BE COMPLETED UNDER A SHOULDER CLOSURE TO ROUTE 32. TRAFFIC ALONG ROUTE 32, ONE-LANE IN EACH DIRECTION, SHALL BE MAINTAINED AT ALL TIMES.
2. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT A TEMPORARY TRAFFIC CONTROL PLAN DESIGNED IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION (MUTCD) BY A CT LICENSED PROFESSIONAL ENGINEER FOR REVIEW AND ACCEPTANCE BY THE TOWN, STATE, AND ENGINEER. NO WORK SHALL COMMENCE WITHOUT WRITTEN ACCEPTANCE OF THE PLAN, INSTALLATION OF THE REQUIRED TRAFFIC CONTROL MEASURES AND ACCEPTANCE BY THE TOWN/STATE/ENGINEER.
3. THE MONTVILLE POLICE DEPARTMENT AND FIRE DEPARTMENT ARE TO BE NOTIFIED AT LEAST 24-HOURS IN ADVANCE OF ANY STREET CLOSING OR DETOUR. REFER TO SPECIFICATION SECTIONS 01050 AND 01570.
4. EXISTING SIGNS IMPACTED/DAMAGED BY THIS PROJECT AND NOT SCHEDULED FOR REPLACEMENT SHALL BE REPLACED IN ACCORDANCE WITH MUTCD AT THE CONTRACTOR'S EXPENSE.
5. PAVEMENT MARKINGS DAMAGED DURING CONSTRUCTION OR OBTAINED AS PART OF THE TRAFFIC CONTROL PLAN WILL BE REPLACED BY THE CONTRACTOR AT NO COST TO THE OWNER IN ACCORDANCE WITH MUTCD.

EROSION CONTROL NOTES

- 1. THE CONTRACTOR IS RESPONSIBLE FOR THE PREVENTION OF THE EXISTING STORMWATER SYSTEM FOR THE DURATION OF CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR DEVELOPING AND SUBMITTING A TEMPORARY EROSION CONTROL PLAN FOR REVIEW AND ACCEPTANCE BY THE OWNER AND ENGINEER. THE EROSION CONTROL PLAN SHALL BE FULLY IMPLEMENTED AND ACCEPTED BY THE OWNER AND ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.
2. THE EROSION CONTROL PLAN SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF CONNECTICUT IN ACCORDANCE WITH THE "2004 CONNECTICUT STORMWATER QUALITY MANUAL", LATEST EDITION AND PER THE APPLICABLE WETLANDS PERMIT.

STRUCTURAL STEEL NOTES

- 1. REFERENCE SPECIFICATIONS - DIVISION 05
2. STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING:
2.1 WIDE FLANGE BEAM ("W" - SHAPES) - ASTM A992
2.2 CHANNELS AND ANGLES - ASTM A36
2.3 PLATES - ASTM A572
3. STRUCTURAL STEEL SHALL BE IN COMPLIANCE WITH THE LATEST EDITION OF THE AISC STEEL CONSTRUCTION MANUAL.
4. CONNECTIONS SHALL BE WITH ASTM F3125 GRADE A325 HIGH STRENGTH BOLTS, WITH MATCHING NUTS AND WASHERS UNDER TURNED COMPONENTS. BOLTS SHALL BE 3/4" DIAMETER IN 7/8" HOLES EXCEPT AS NOTED. ALL BOLTED CONNECTIONS SHALL BE DESIGNED AS SLIP-CRITICAL CONNECTIONS. THE SURFACE CONDITION OF THE FAYING SURFACE SHALL BE CLASS A WITH A SLIP COEFFICIENT OF 0.30.
5. ANCHOR AND THREADED RODS SHALL CONFORM TO ASTM F1554, GRADE 36.
6. WELDING SHALL BE IN ACCORDANCE WITH THE LATEST BRIDGE WELDING CODE AASHTO/AWS D1.5 (INCLUDING ALL INTERIMS TO DATE) AND APPLICABLE SUPPLEMENTAL AWS PUBLICATIONS.
7. ALL PROPOSED STRUCTURAL STEEL, BOLTS, AND ANCHOR RODS SHALL BE HOT-DIPPED GALVANIZED AND EXISTING STRUCTURAL STEEL SHALL BE PAINTED TO THE LIMITS SHOWN. THE ZINC COATING FOR ALL STEEL MATERIALS SHALL MEET THE REQUIREMENTS OF ASTM A123, A153, OR F2329, WHICHEVER SHALL APPLY. PAINT SYSTEMS FOR STRUCTURAL STEEL SHALL BE A THREE COAT SYSTEM THAT SHALL MEET THE REQUIREMENTS OF SECTION M.07.02 OF THE CTDOT STANDARD SPECIFICATIONS. TOP COAT COLOR TO BE COORDINATED WITH THE OWNER.
8. HOT-DIP GALVANIZE STEEL PRIOR TO BOLTING TO OTHER ASSEMBLIES AND AFTER ALL WELDING. FIELD CUTTING OR WELDING AFTER GALVANIZING IS NOT PERMITTED AND WILL REQUIRE COMPONENTS TO BE REPLACED OR SENT BACK FOR HOT-DIP GALVANIZING AT THE CONTRACTOR'S EXPENSE.
9. ANCHOR RODS, HIGH STRENGTH BOLTS, AND ASSOCIATED HARDWARE SHALL BE IN ACCORDANCE WITH SECTION M.06.02 OF THE CTDOT STANDARD SPECIFICATIONS.
10. ALL EXISTING STRUCTURAL STEEL TO REMAIN SHALL BE CLEANED BY ABRASIVE BLAST CLEANING AND SHALL BE PAINTED. BLAST CLEAN STEEL ACCORDING TO SSPC SP10, "NEAR WHITE BLAST CLEANING". ENSURE THAT THE SURFACE AREA OF STEEL TO BE BLAST CLEANED IS NO GREATER THAN THE SURFACE AREA OF STEEL THAT BE PRIMED DURING THE SAME DAY. ENSURE THAT THE MAXIMUM TIME LAPSE BETWEEN SURFACE PREPARATION AND APPLICATION OF THE PRIME COAT IS NOT GREATER THAN EIGHT HOURS, UNLESS ATMOSPHERIC CONTROLS ARE USED TO PREVENT "RUST BACK". IF ANY "RUST BACK" OCCURS BEFORE PRIMING, RECLEAN SURFACES TO PROVIDE THE SPECIFIED DEGREE OF CLEANLINESS. ENSURE THAT THE ABRASIVE BLAST PROFILE MEETS THE MANUFACTURER'S REQUIREMENTS AS STATED ON THE PRODUCT DATA SHEETS.
11. FLAME CUTTING OR BURNING OF PROPOSED STRUCTURAL STEEL IS NOT PERMITTED.
12. PROPOSED BEAMS SHALL BEAR ON A REMOVED AND REBUILT GROUT PAD, THICKNESS AS REQUIRED.
13. ALL GALVANIZED COATINGS DAMAGED DURING SHIPMENT OR INSTALLATION SHALL BE COATED WITH A ZINC RICH COATING APPROPRIATE FOR THE APPLICATION AT NO ADDITIONAL COST TO THE OWNER.

CAMBER NOTES

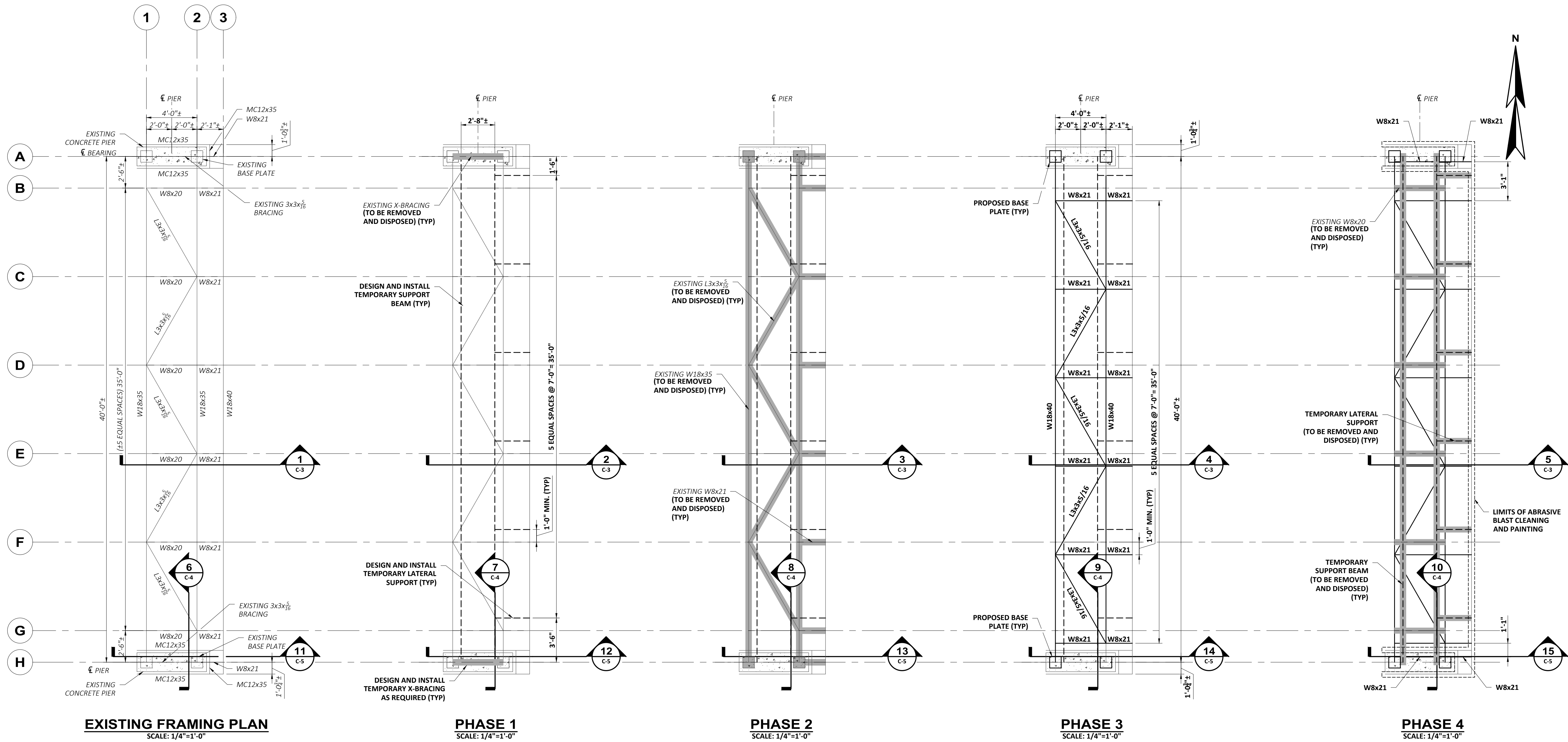
- 1. PROPOSED W18x40 BEAMS SHALL BE CAMBERED UP 1 1/2" AT MIDSPAN.

CIVIL ABBREVIATIONS

Table listing civil abbreviations such as & DIA, #, NO, AC, APP'D, BR, BLDG, CB, CEN, CFS, CI, CIPP, CL, CMP, CO, CONC, COR, CY, DEMO, DMH, DI, DR, DWG, EL, EMH, FM, FT, G, HDPE, HYD, IN, INF, INV, LB, LF, MAX, MH, MIN, MW, N, NGVD, N/A, NTS, OD, OUT, PC, PSF, PSI, PS, PT, PVC, RCP, RD, REQ'D, S, SD, SF, SMH, SQ, STA, T, XFMR, TBM, THK, TOS, TYP, UD, UG, UGE, VC, VF, W/, W. Each abbreviation is paired with its full name.

LEGEND table with columns for EXISTING and PROPOSED symbols. It lists various features like PROPERTY/ROW LINE, SETBACK LINE, EASEMENT LINE, CENTERLINE, EDGE OF PAVEMENT, CURBING, EDGE OF GRAVEL, EDGE OF CONCRETE, CONTOUR, BUILDING, STONEWALL, TREELINE, CHAIN LINK FENCE, STOCKADE FENCE, BARB WIRE FENCE, RETAINING WALL, GUARDRAIL, SEWER, SEWER FORCE MAIN, GAS, WATER, STORM DRAIN, UNDERDRAIN, CULVERT, UNDERGROUND ELECTRIC, OVERHEAD ELECTRIC, UNDERGROUND TELEPHONE, UNDERGROUND CABLE TV, IRON PIPE/REBAR, DRILLHOLE, MONUMENT, SURVEY CONTROL POINT, SPOT ELEVATION, SEWER MANHOLE, DRAINAGE MANHOLE, CATCH BASIN, ELECTRIC MANHOLE, TELEPHONE MANHOLE, SHUTOFF VALVE, WATER SERVICE SHUTOFF, YARD HYDRANT, STORM DRAIN, GAS SERVICE SHUTOFF, GAS GATE VALVE, UTILITY POLE, UTILITY POLE W/ GUY, UTILITY POLE W/ LIGHT, LIGHT POLE, BOLLARD, FLAGPOLE, CONIFEROUS TREE, DECIDUOUS TREE, SHRUB, WETLAND FLAG, EDGE OF WATER, STREAM, EDGE OF WETLANDS, FLOODPLAIN, WETLANDS, DRAINAGE FLOW, DRAINAGE SWALE, PAVEMENT MARKINGS, SIGN, MAILBOX, TEMPORARY BENCH MARK, TEST PIT, TEST BORING, TEST PROBE, MONITORING WELL, LIMIT OF WORK, SILT FENCE, RIPRAP, RAILROAD, MATCHLINE, ROCK OUTCROP, DEMOLITION, TEMP. SUPPORT/STRUCTURE.

Project information and title block. Includes PROJECT NO: 21470, DESIGNED: W.NUNN, CAD COORD: M.LAPIERRE, CHECKED: W.NUNN, DATE: JANUARY 2024, APPROVED: J.GALLANT, DATE: JANUARY 2024, SUBMISSION: CONTRACT DRAWINGS. Features the Wright-Pierce logo and contact information: 860.343.8297 | www.wright-pierce.com | 169 MAIN STREET, 700 PLAZA MIDDLESEX, MIDDLETOWN, CT 06457. Title: MONTVILLE WATER POLLUTION CONTROL AUTHORITY STONY BROOK UTILITY BRIDGE REHABILITATION. Drawing number: C-1.



**EXISTING FRAMING PLAN**  
SCALE: 1/4"=1'-0"

**PHASE 1**  
SCALE: 1/4"=1'-0"

**PHASE 2**  
SCALE: 1/4"=1'-0"

**PHASE 3**  
SCALE: 1/4"=1'-0"

**PHASE 4**  
SCALE: 1/4"=1'-0"

**NOTE:**

UTILITIES NOT SHOWN FOR CLARITY.

**SHIELDING NOTES**

- THE CONTRACTOR SHALL PREVENT DEBRIS FROM FALLING INTO STONY BROOK BELOW THE BRIDGE. THE METHOD FOR SHIELDING, IF NOT INCLUDED WITHIN THE PAINTING CONTRACTOR'S CONTAINMENT SYSTEM, SHALL BE SUBMITTED BY THE CONTRACTOR FOR ACCEPTANCE PRIOR TO CONSTRUCTION.

**TEMPORARY SHORING NOTES**

- THE EXISTING BRIDGE IS TO BE TEMPORARILY SUPPORTED WHILE REPAIRS ARE MADE. NO REPAIRS SHALL COMMENCE UNTIL TEMPORARY SHORING IS INSTALLED AND ACCEPTED BY THE ENGINEER AND OWNER.
- PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT A TEMPORARY SHORING PLAN DESIGNED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS STAMPED BY A CT LICENSED PROFESSIONAL ENGINEER FOR REVIEW AND ACCEPTANCE BY THE TOWN AND ENGINEER. NO WORK SHALL COMMENCE WITHOUT WRITTEN ACCEPTANCE OF THE PLAN.
- THE PROPOSED TEMPORARY SHORING SHOWN ON THE PLANS WAS DEVELOPED SCHEMATICALLY FOR BIDDING PURPOSES ONLY. THE FINAL LAYOUT, MEMBER SIZING, AND ASSOCIATED COMPONENTS SHALL BE DESIGNED BY THE CONTRACTOR'S ENGINEER.

**PARTIAL BRIDGE DEMOLITION NOTES**

- PLANS OF ORIGINAL CONSTRUCTION FROM 1995 AND 2000 ARE ATTACHED WITHIN THE CONTRACT DOCUMENTS.
- REMOVAL OF SUPERSTRUCTURE SHALL INCLUDE REMOVAL OF THE EXISTING SUPERSTRUCTURE TO THE LIMITS SHOWN BY FLAME CUTTING TO THE NEAT LINES SHOWN ON THESE PLANS. ANY DAMAGE TO THE EXISTING STRUCTURE CAUSED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED AT NO ADDITIONAL COST TO THE OWNER.

**SUGGESTED SEQUENCE OF CONSTRUCTION**

- PHASE 1:**
  - CONSTRUCT TEMPORARY SHORING.
  - DEMOLISH EXISTING END DIAPHRAGM X-BRACING AS NEEDED TO INSTALL TEMPORARY SHORING.
- PHASE 2:**
  - DEMOLISH PORTION OF THE EXISTING SUPERSTRUCTURE TO THE LIMITS SHOWN.
  - REMOVE AND DISPOSE EXISTING PIPE INSULATION FROM EXISTING 16" Ø WATER MAIN AND 21" Ø SANITARY SEWER MAIN.
- PHASE 3:**
  - ERECT AND INSTALL PROPOSED STRUCTURAL STEEL.
  - INSTALL PROPOSED UTILITY SUPPORTS AS SHOWN.
  - REPLACE PIPE INSULATION AS SHOWN.
- PHASE 4:**
  - REMOVE AND DISPOSE TEMPORARY SHORING AND DEMOLISH PORTION OF THE EXISTING SUPERSTRUCTURE AS SHOWN.
  - ABRASIVE BLAST CLEAN AND PAINT EXISTING STRUCTURAL STEEL TO REMAIN TO THE LIMITS SHOWN.

REVISIONS		APPD	DATE
NO	DESCRIPTION		

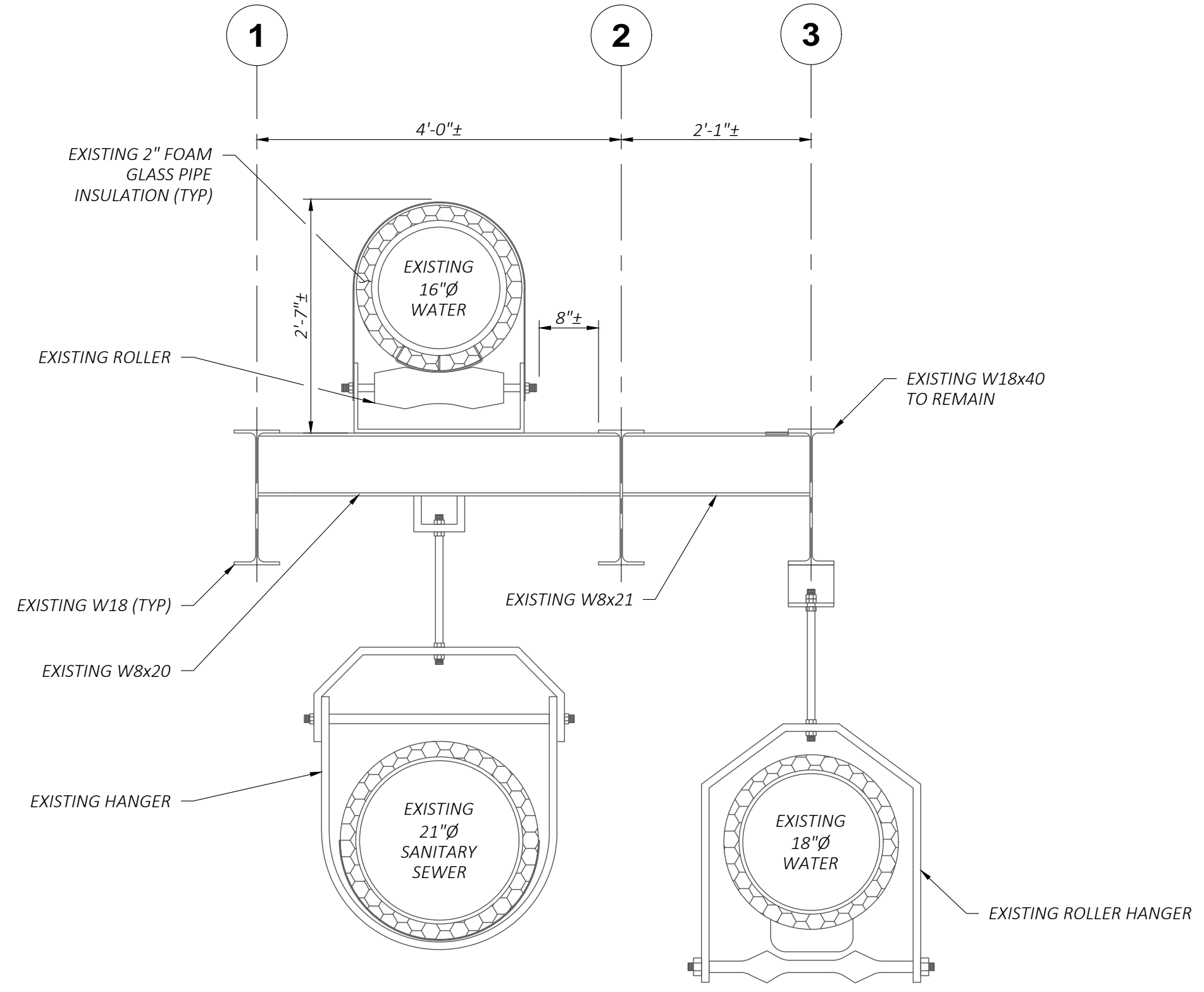
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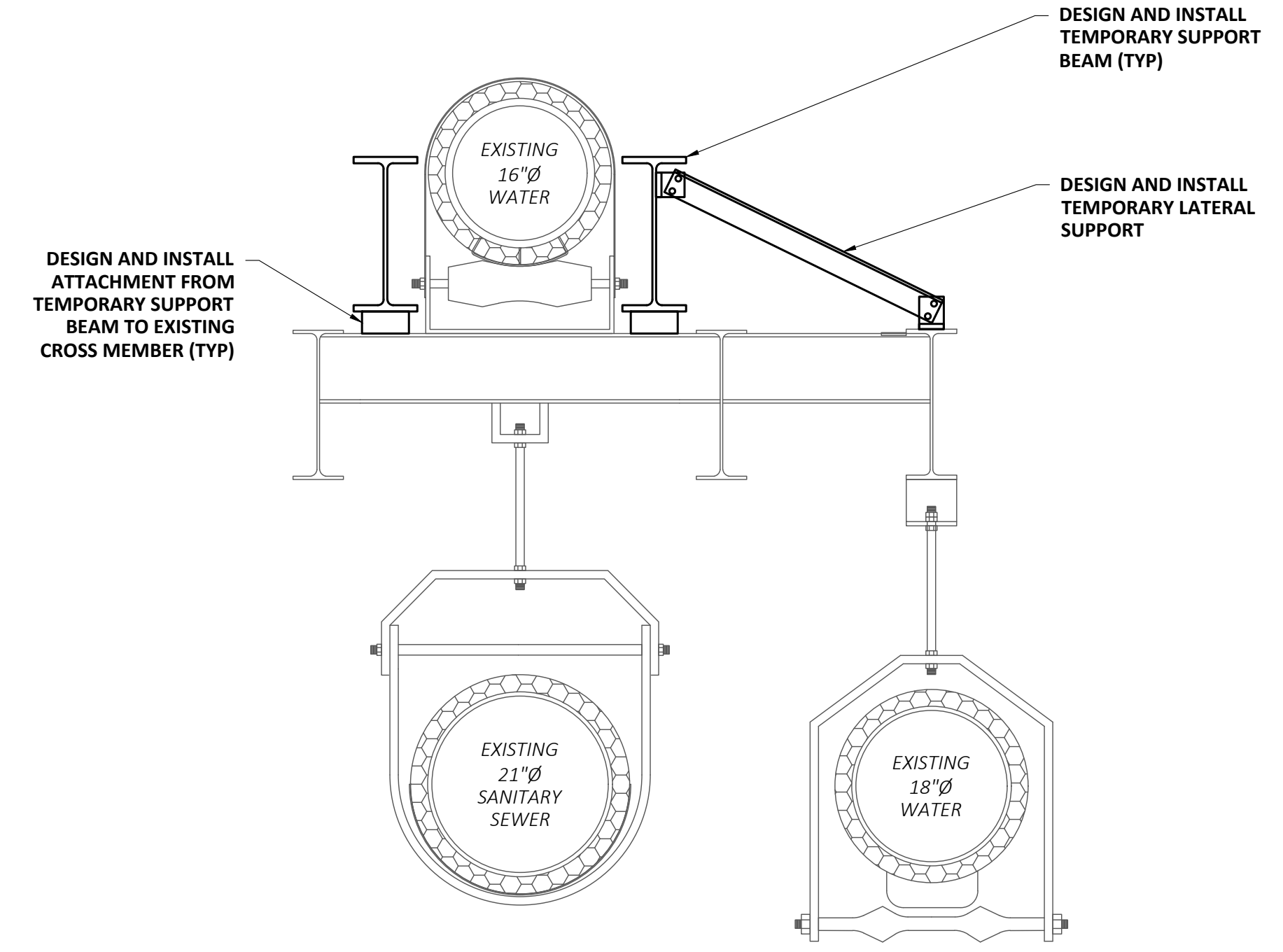
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MONTVILLE WATER POLLUTION CONTROL AUTHORITY STONY BROOK UTILITY BRIDGE REHABILITATION	PHASED CONSTRUCTION PLANS

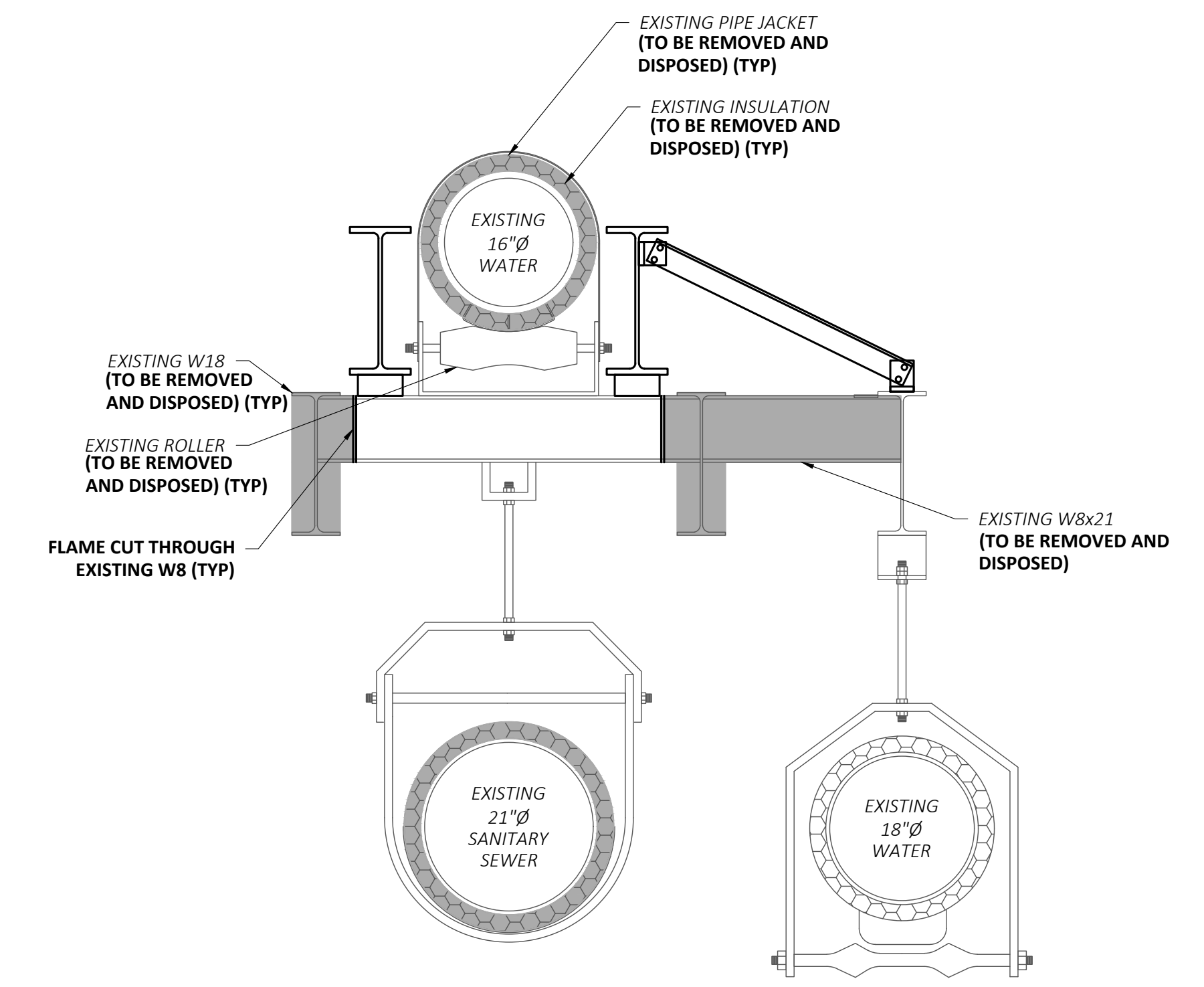
DRAWING	C-2
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**1 EXISTING SECTION**  
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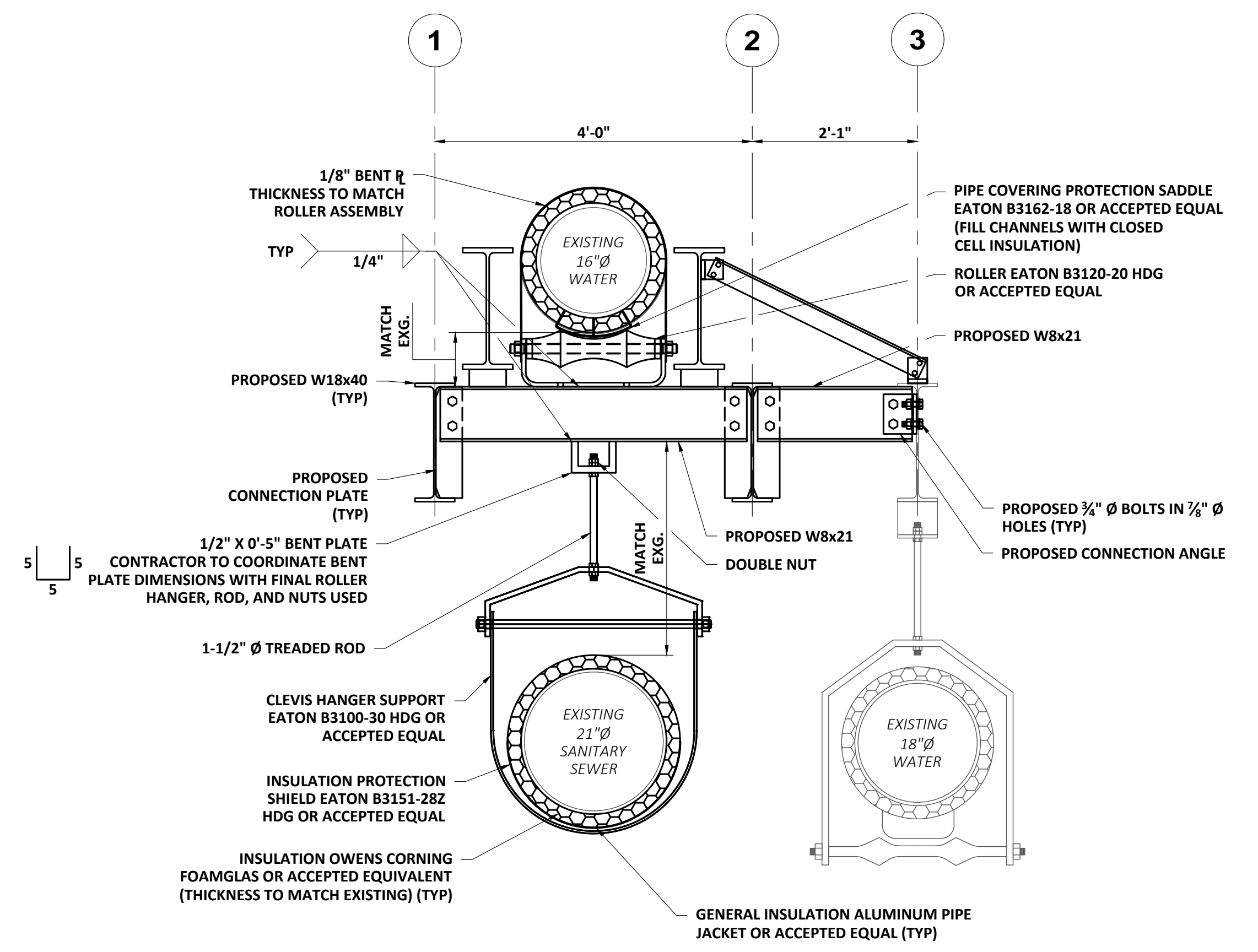


**2 PHASE 1**  
C-2 SCALE: 3/4"=1'-0"

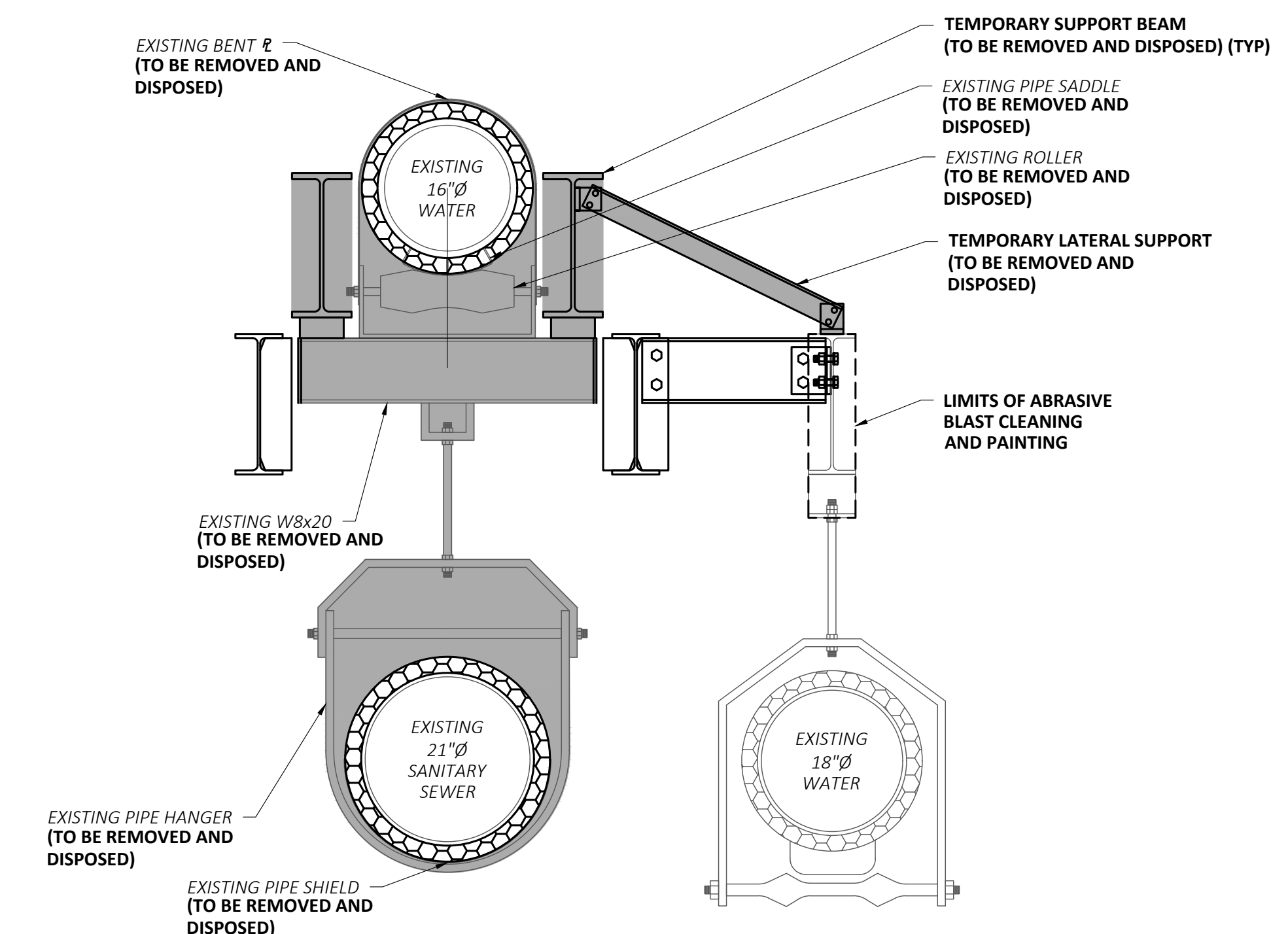


**3 PHASE 2**  
C-2 SCALE: 3/4"=1'-0"

**NOTE:**  
EXISTING WATER AND SEWER PIPES ARE ASSUMED TO BE PRESSURE CLASS 350.



**4 PHASE 3**  
C-2 SCALE: 3/4"=1'-0"



**5 PHASE 4**  
C-2 SCALE: 3/4"=1'-0"

- NOTES:**
- INSULATION REPLACEMENT LIMITS EXTEND TO ABOVE GROUND LIMITS OF UTILITIES.
  - ALL SURFACES OF DISSIMILAR METALS SHALL BE COATED WITH EPOXY PAINT (MIN. 5 MIL DFT). THIS INCLUDES BUT MAY NOT BE LIMITED TO THE INTERFACE OF THE PIPE SHIELDS, SADDLES, AND BENT PLATES IN CONTACT WITH THE ALUMINUM JACKET.

NO	REVISIONS	APPD	DATE

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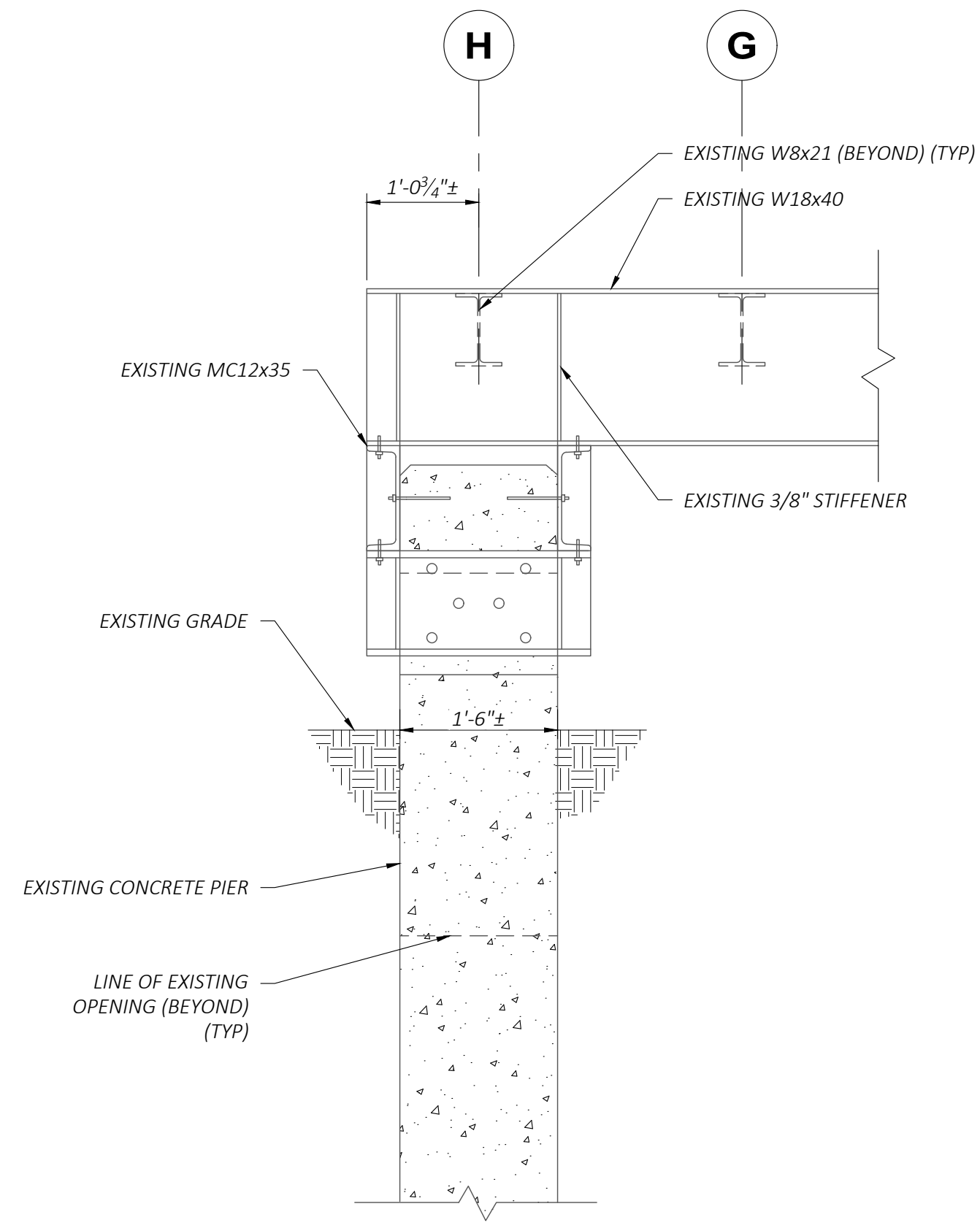


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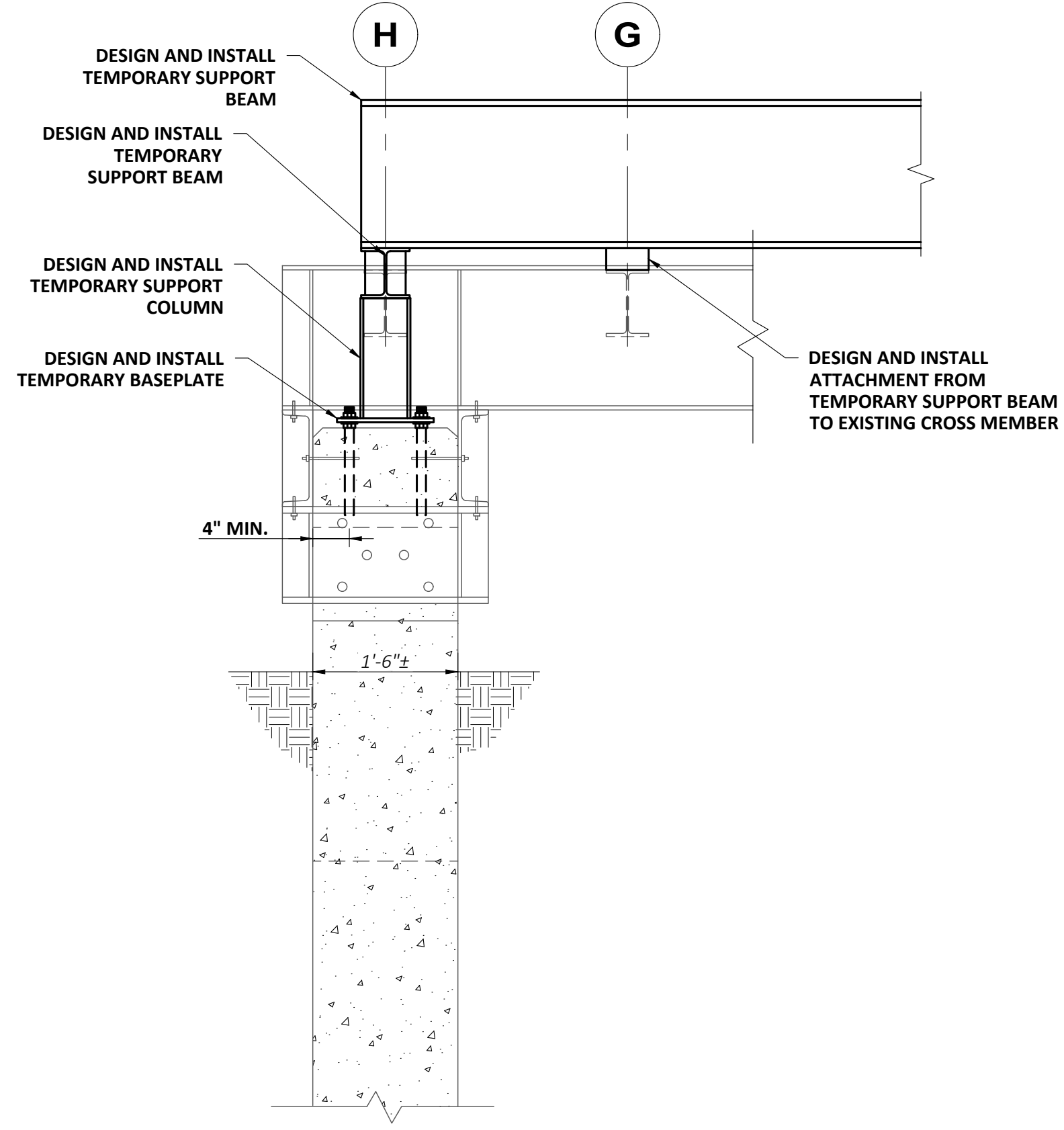
**MONTVILLE WATER POLLUTION CONTROL AUTHORITY STONY BROOK UTILITY BRIDGE REHABILITATION**

PHASED CONSTRUCTION SECTIONS I

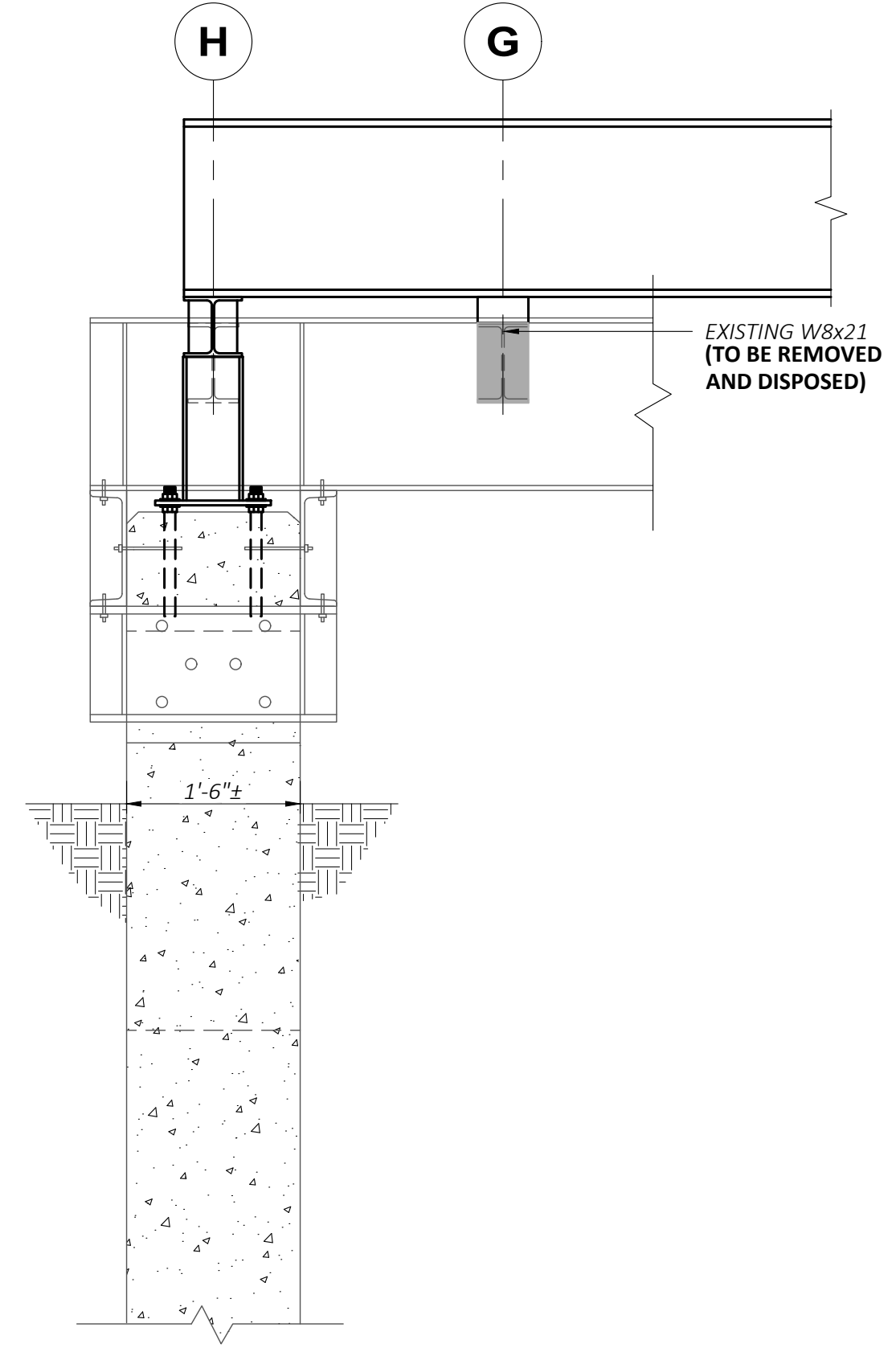
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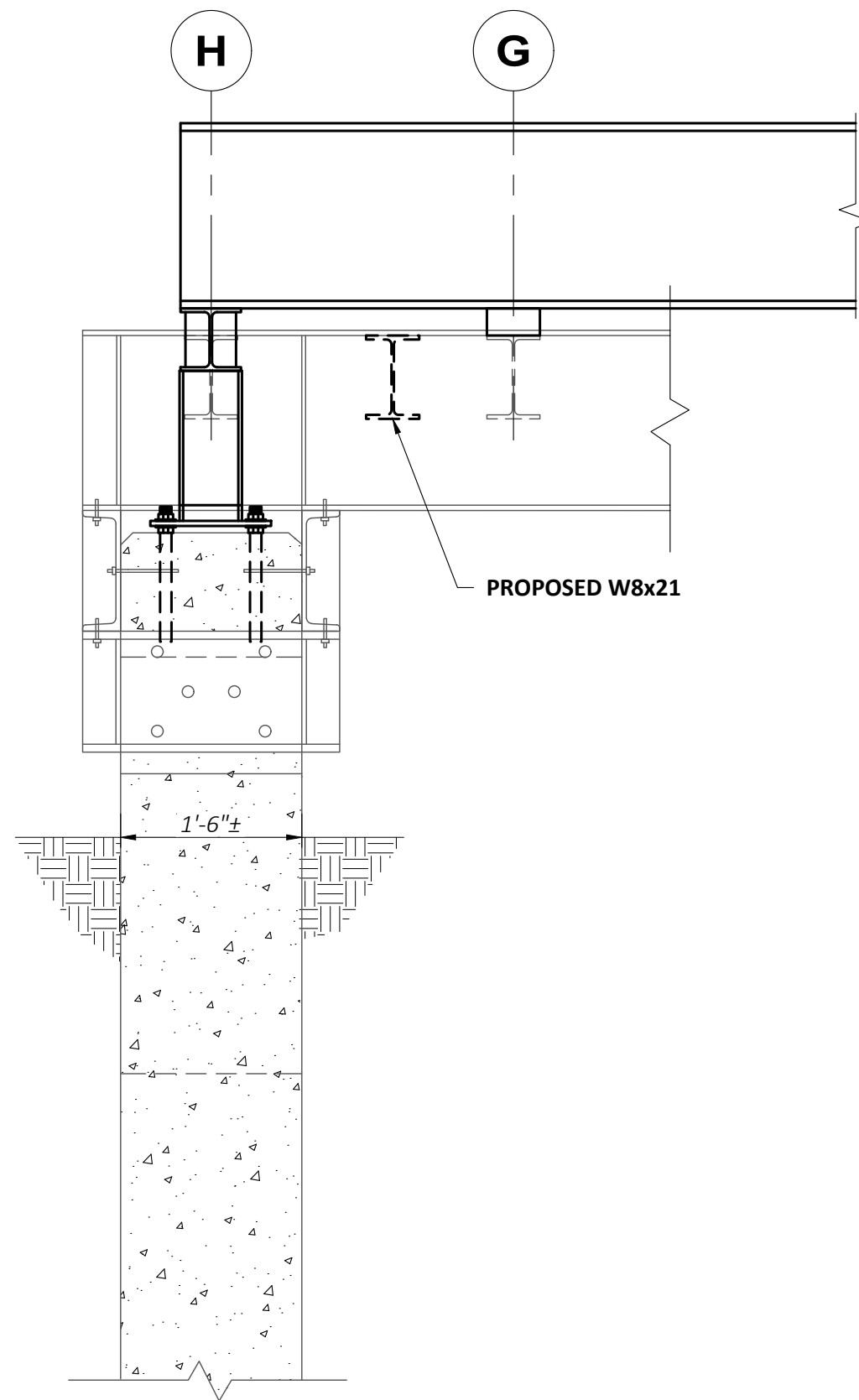
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C-2 EXISTING SECTION  
SCALE: 3/4"=1'-0"



**7**  
C-2 PHASE 1  
SCALE: 3/4"=1'-0"



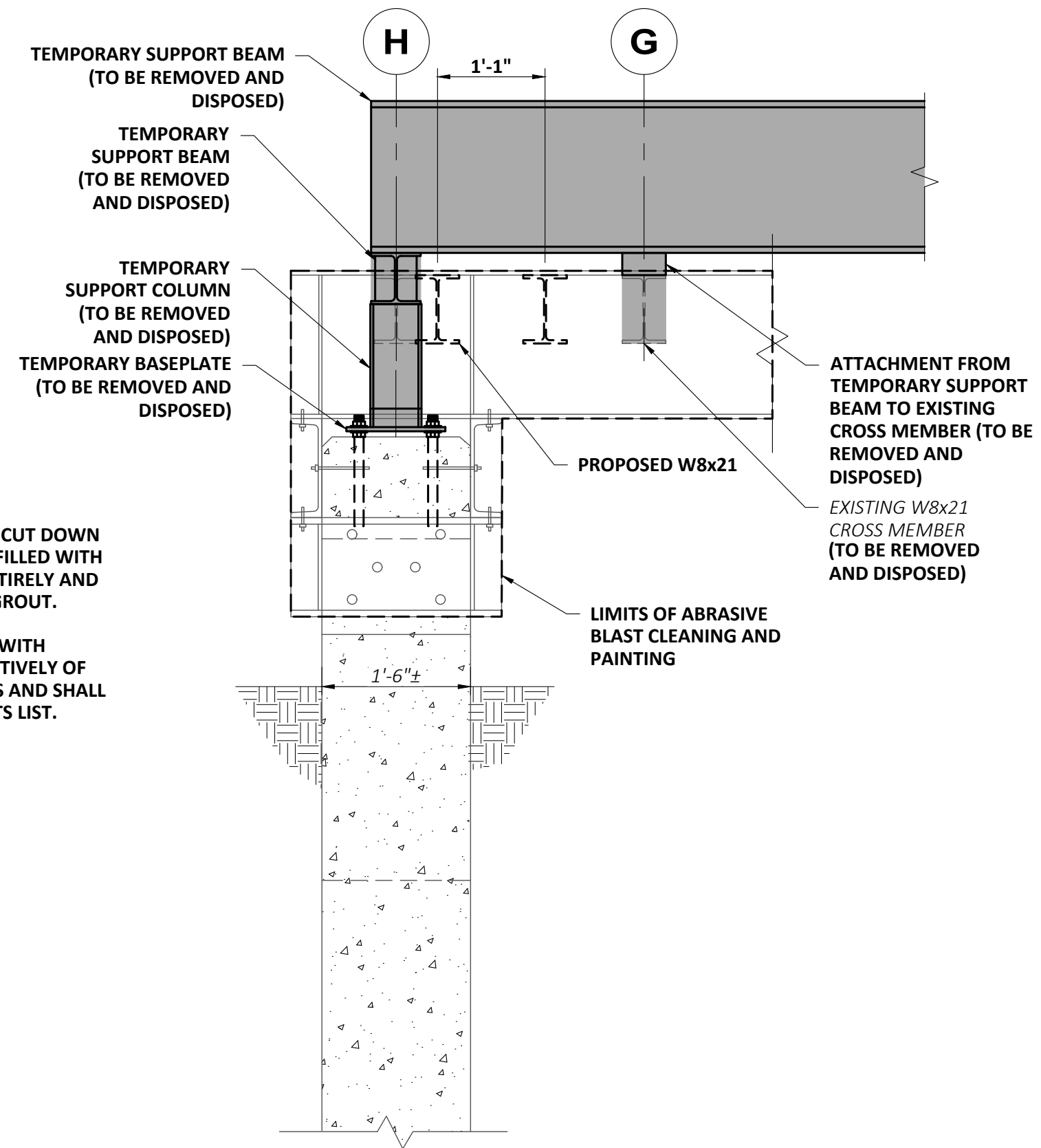
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C-2 PHASE 2  
SCALE: 3/4"=1'-0"



**9**  
C-2 PHASE 3  
SCALE: 3/4"=1'-0"

**NOTE:**  
TEMPORARY ANCHOR BOLTS SHALL BE CUT DOWN 1" FROM TOP OF CONCRETE PIER AND FILLED WITH AN EPOXY MATERIAL OR REMOVED ENTIRELY AND ITS HOLE FILLED WITH A NON-SHRINK GROUT.

MATERIALS SHALL BE IN ACCORDANCE WITH SECTION M.03.07 AND M.03.05 RESPECTIVELY OF THE CTDOT STANDARD SPECIFICATIONS AND SHALL BE ON THE CTDOT QUALIFIED PRODUCTS LIST.



**10**  
C-2 PHASE 4  
SCALE: 3/4"=1'-0"

**NOTE:**  
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NO	REVISIONS	APPD	DATE

PROJECT NO: 21470	DESIGNED: W.AUJIN	CAD COORD: M.LAPIERRE	CAD: M.LAPIERRE	CHECKED: W.AUJIN	DATE: JANUARY 2024	APPROVED: J.GALLANT	DATE: JANUARY 2024	SUBMISSION: CONTRACT DRAWINGS
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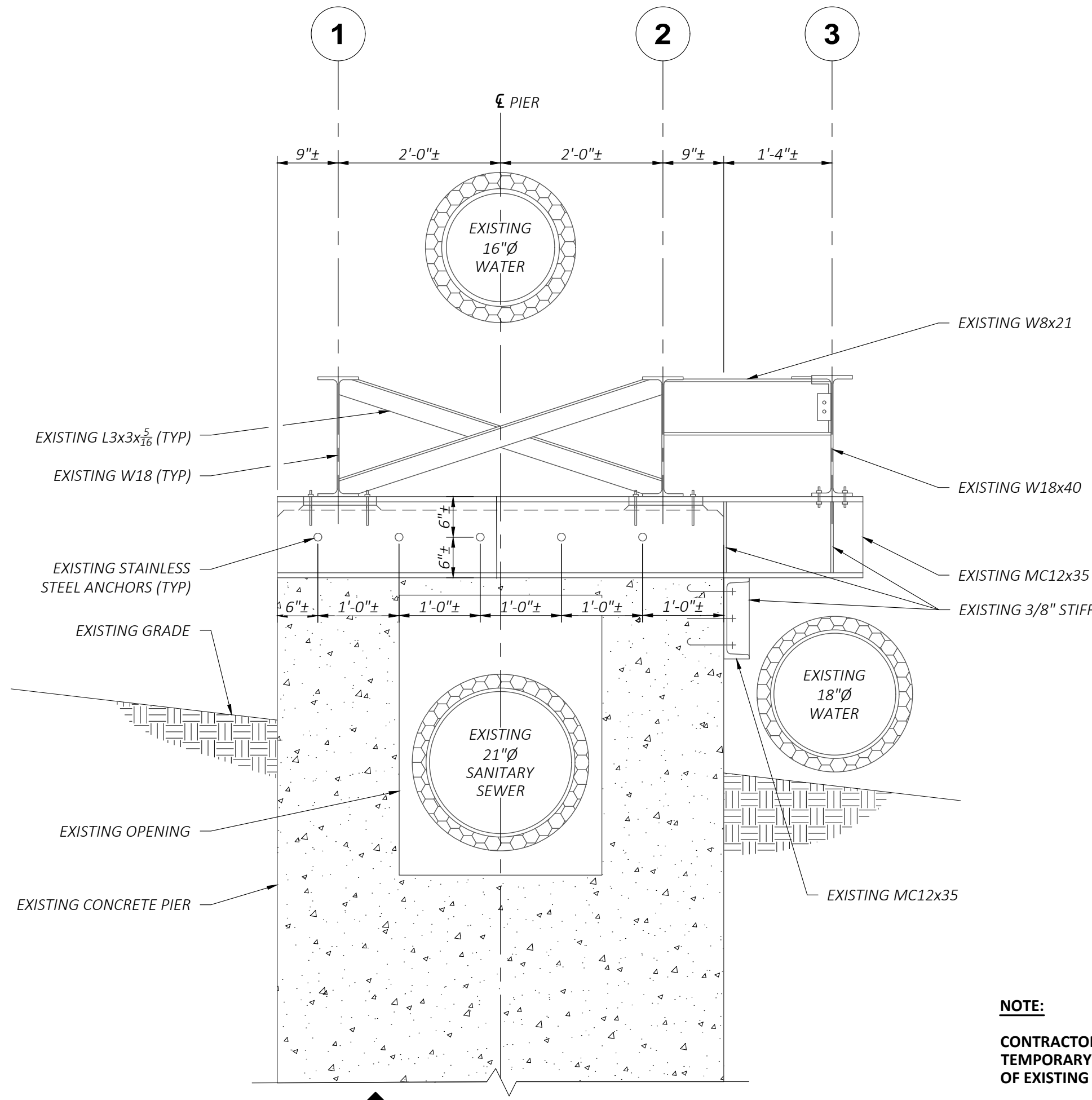


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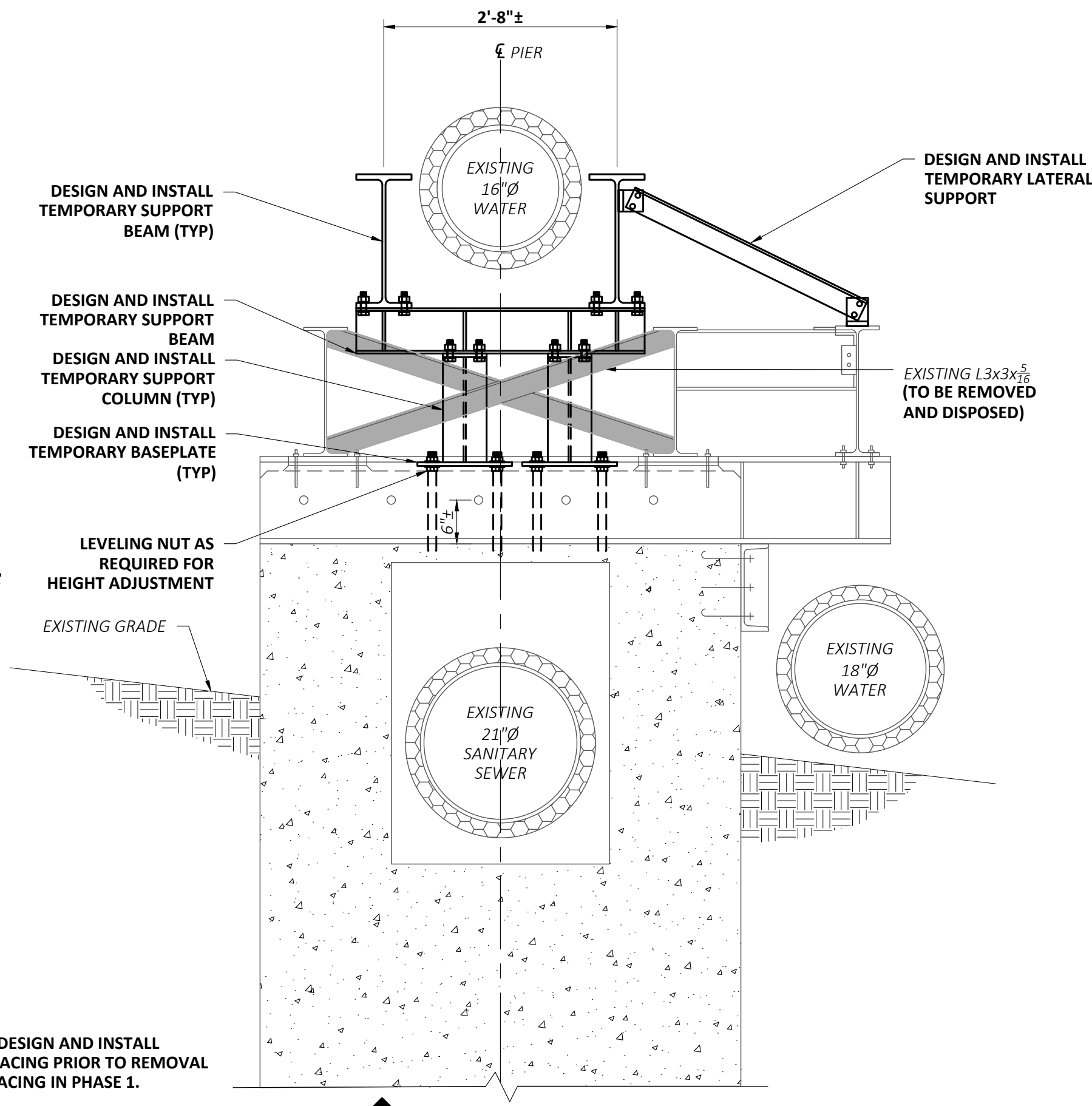
MONTVILLE WATER POLLUTION CONTROL AUTHORITY  
 STONY BROOK UTILITY  
 BRIDGE REHABILITATION  
 PHASED CONSTRUCTION SECTIONS II

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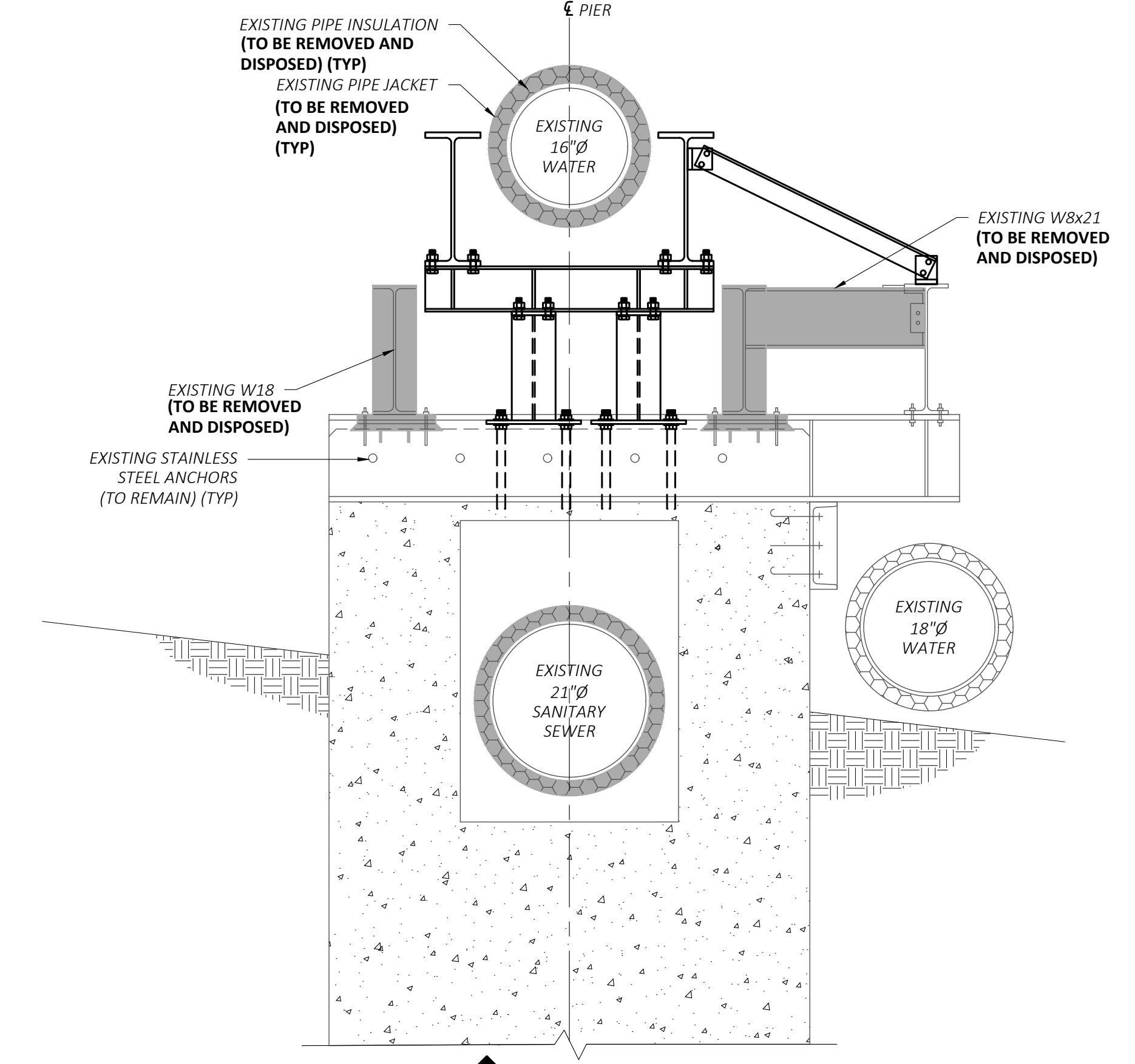
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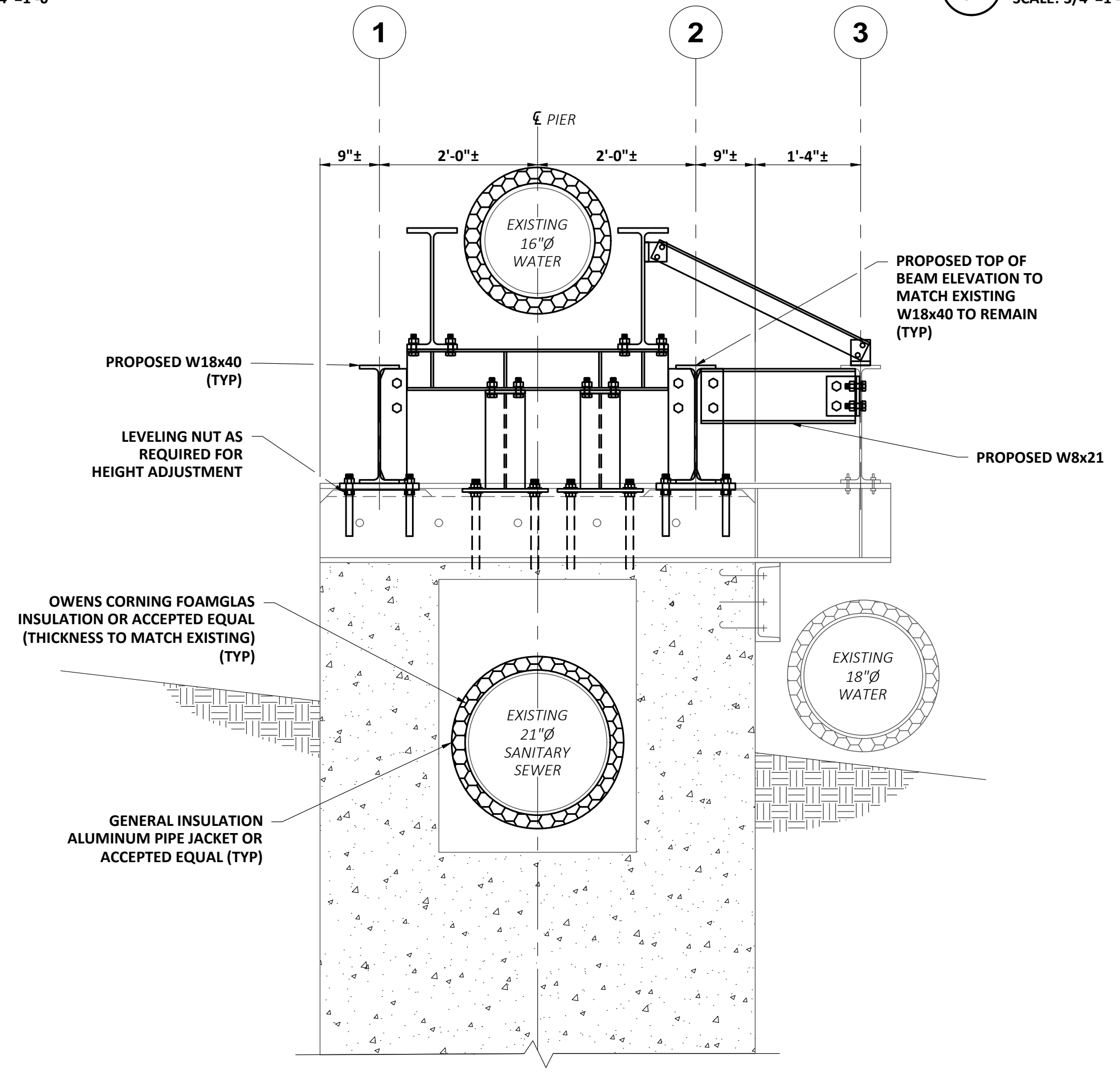
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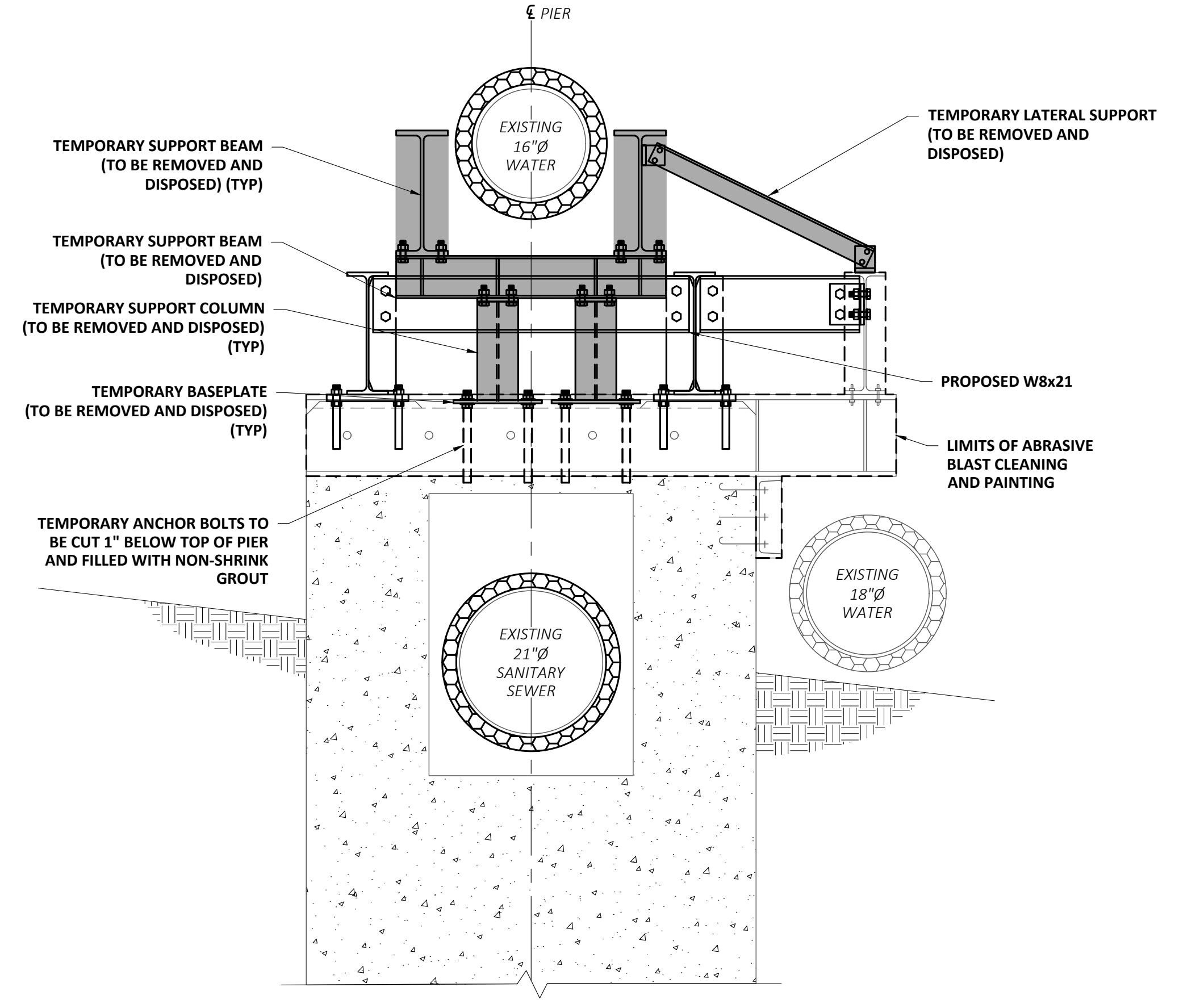
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**13 PHASE 2**  
SCALE: 3/4"=1'-0"

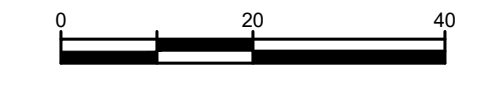


**14 PHASE 3**  
SCALE: 3/4"=1'-0"



**15 PHASE 4**  
SCALE: 3/4"=1'-0"

**NOTE:**  
CONTRACTOR TO DESIGN AND INSTALL TEMPORARY X-BRACING PRIOR TO REMOVAL OF EXISTING X-BRACING IN PHASE 1.



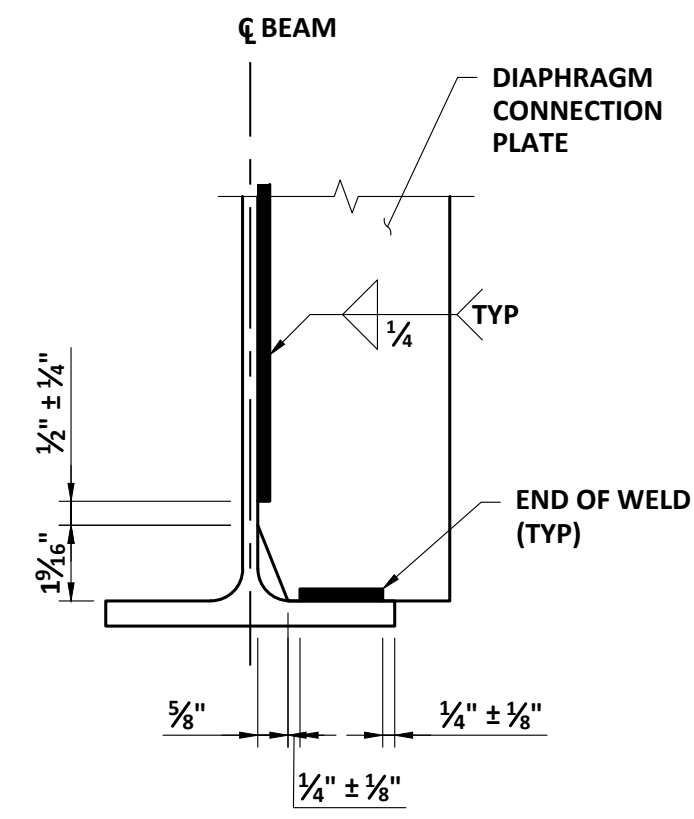
NO	REVISIONS	DATE

PROJECT NO: 21470	DESIGNED: W/NUHN	CAD COORD: M/LAVERRE	CHECKED: W/NUHN	DATE: JANUARY 2024	APPROVED: J.GALLANT	DATE: JANUARY 2024	SUBMISSION: CONTRACT DRAWINGS
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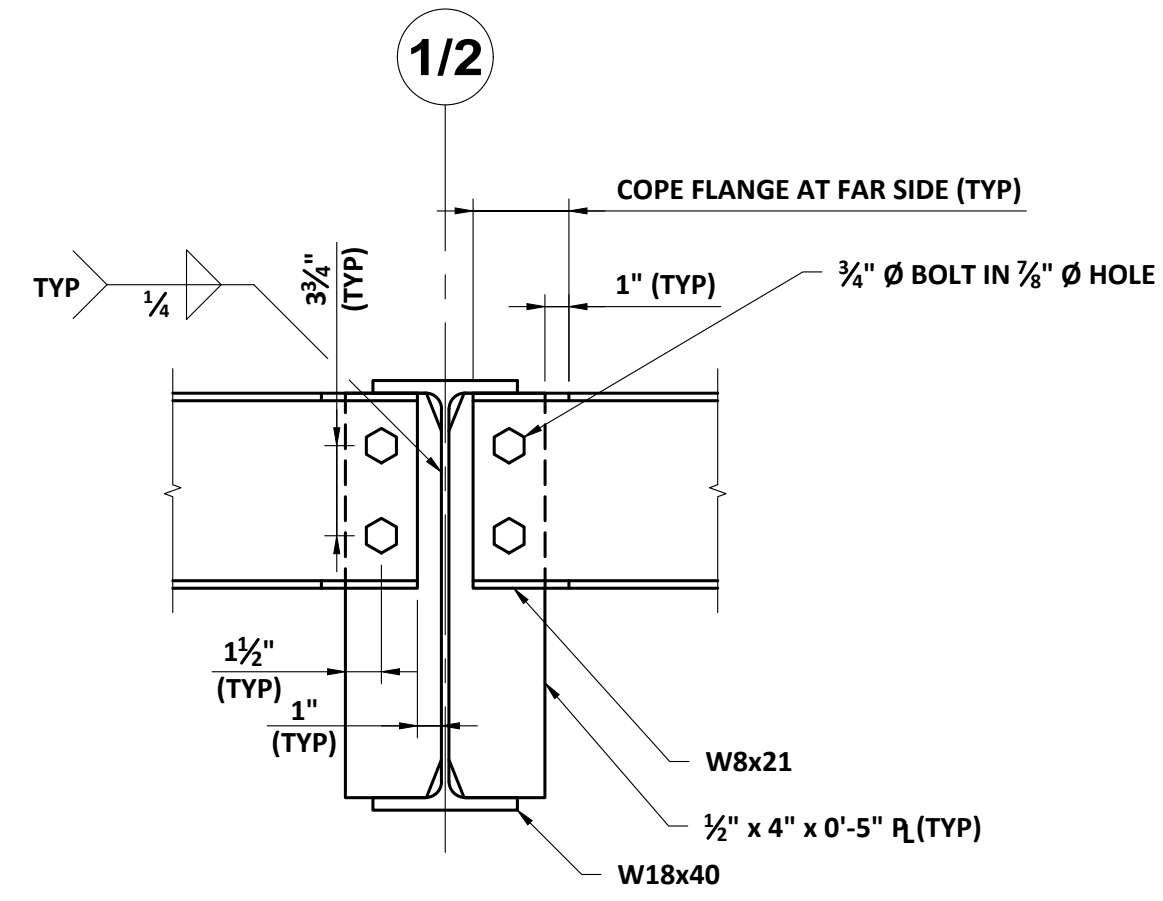


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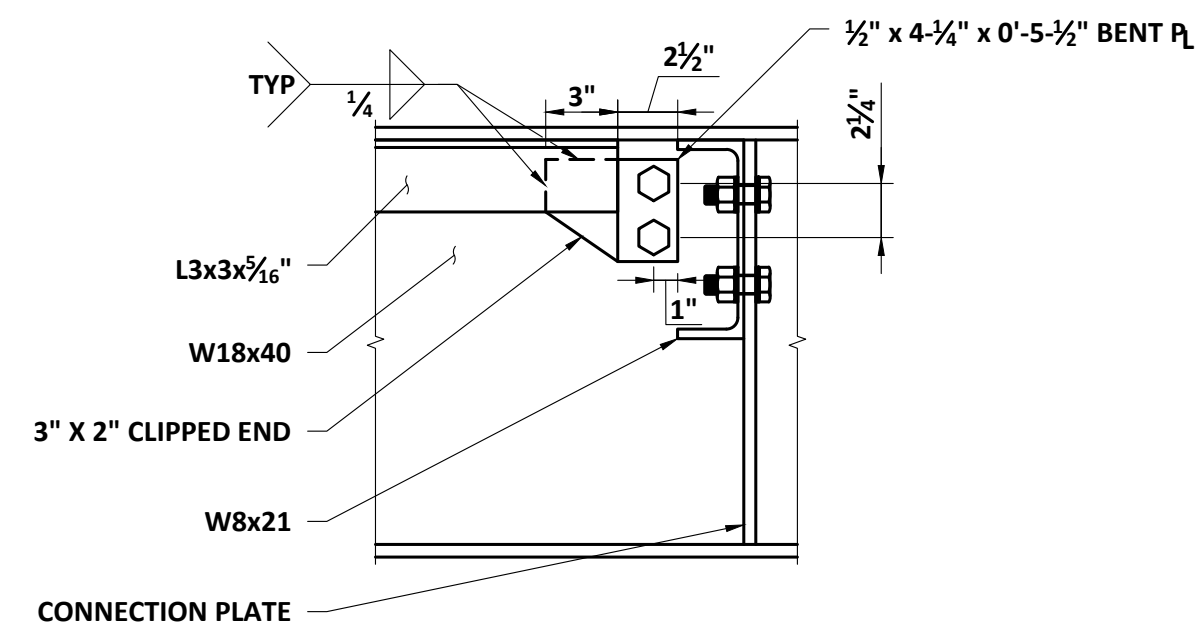
MONTVILLE WATER POLLUTION CONTROL AUTHORITY  
 STONY BROOK UTILITY BRIDGE REHABILITATION  
 PHASED CONSTRUCTION SECTIONS III



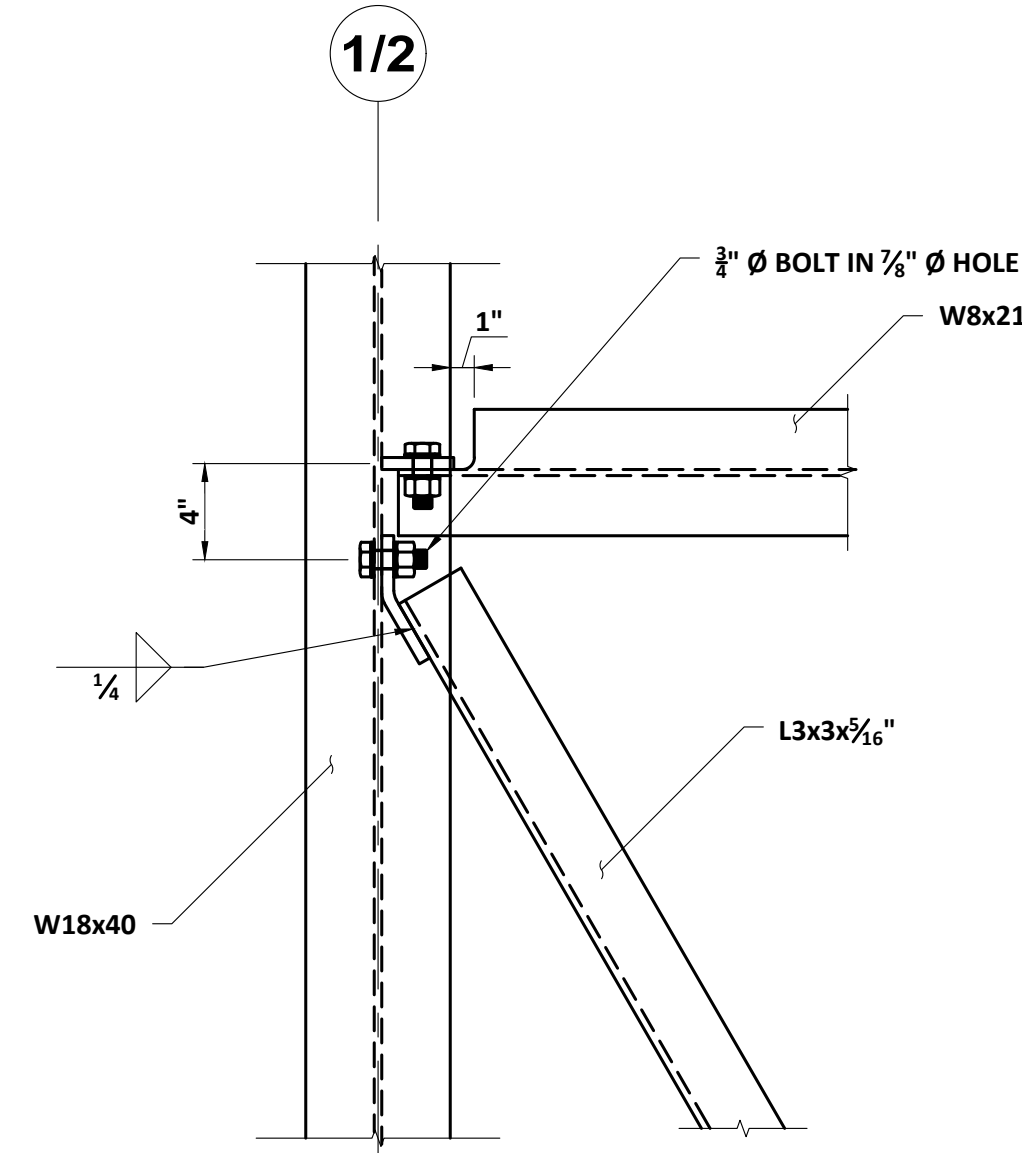
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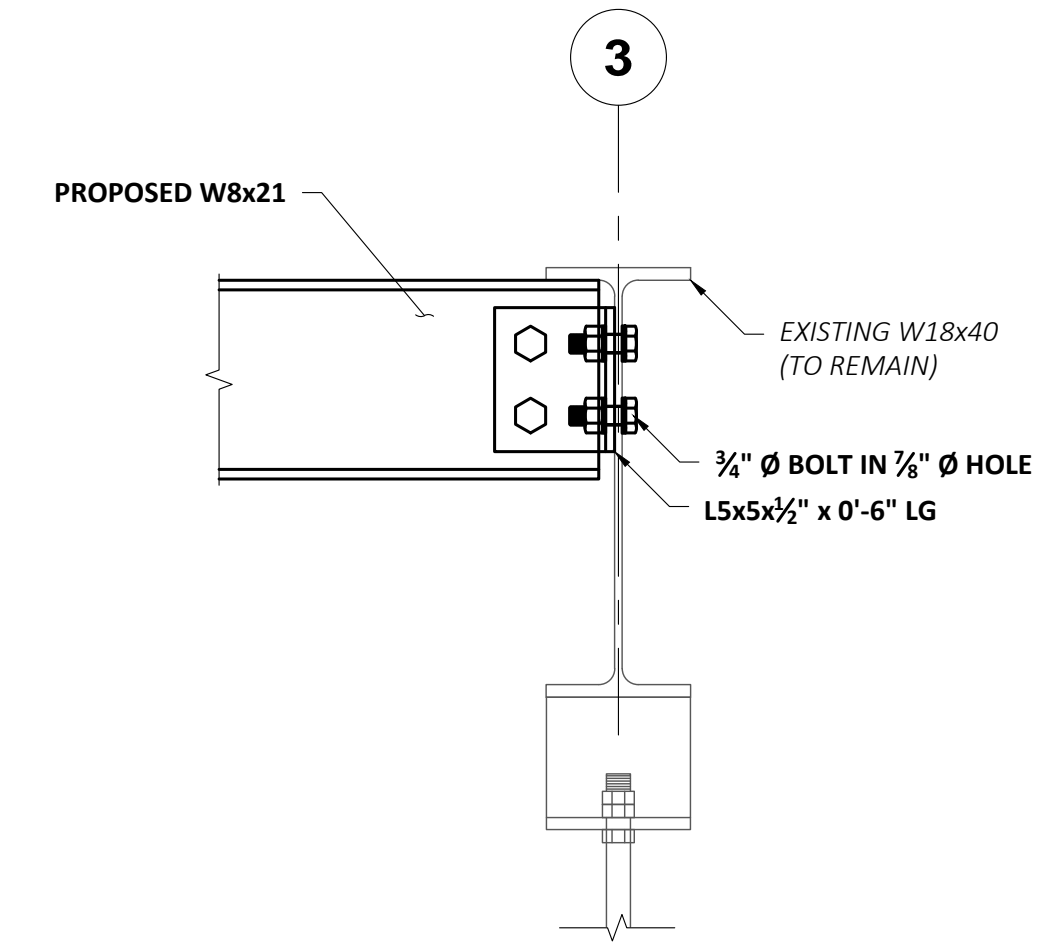
**SECTION**



**ELEVATION**



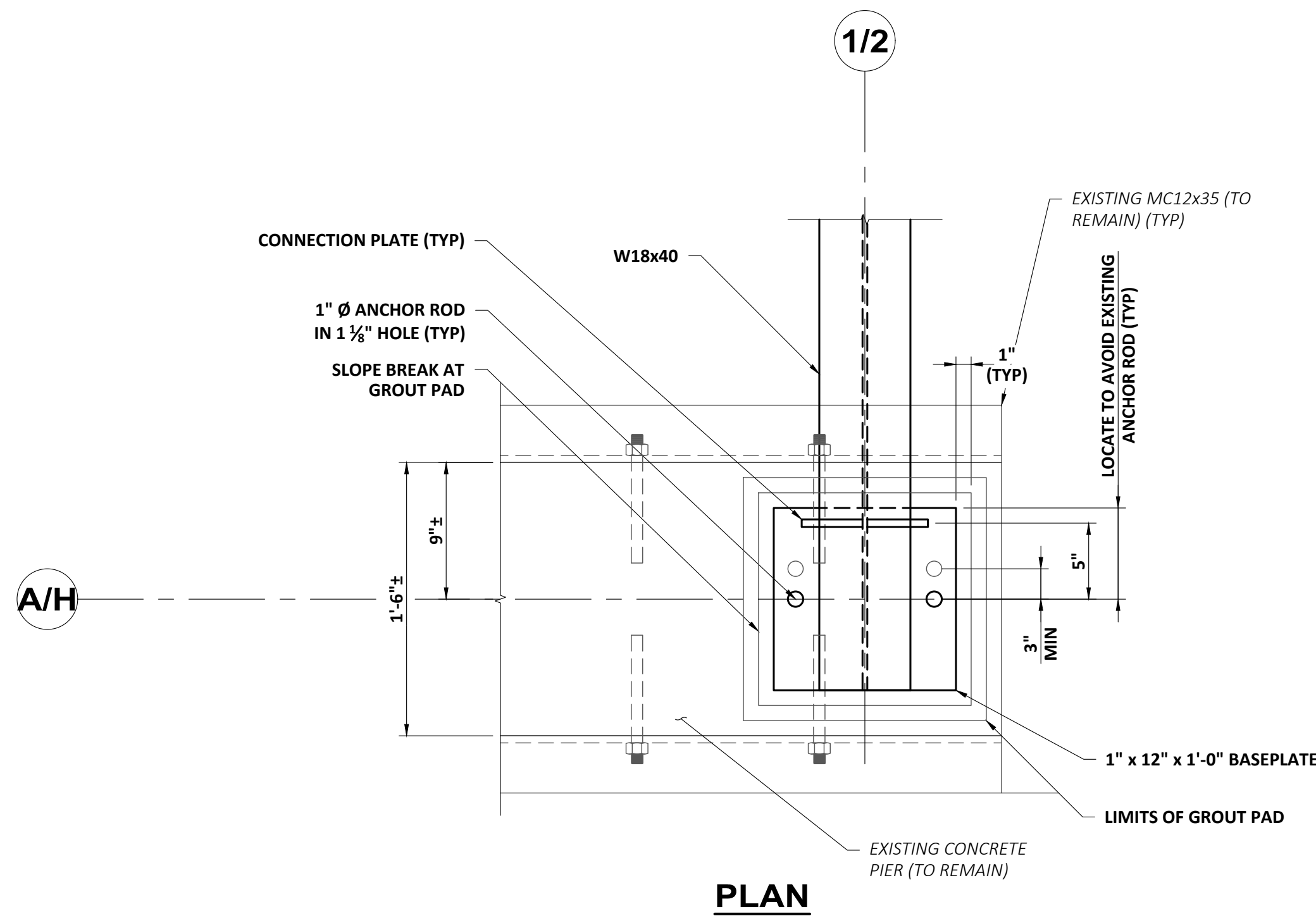
**PLAN**



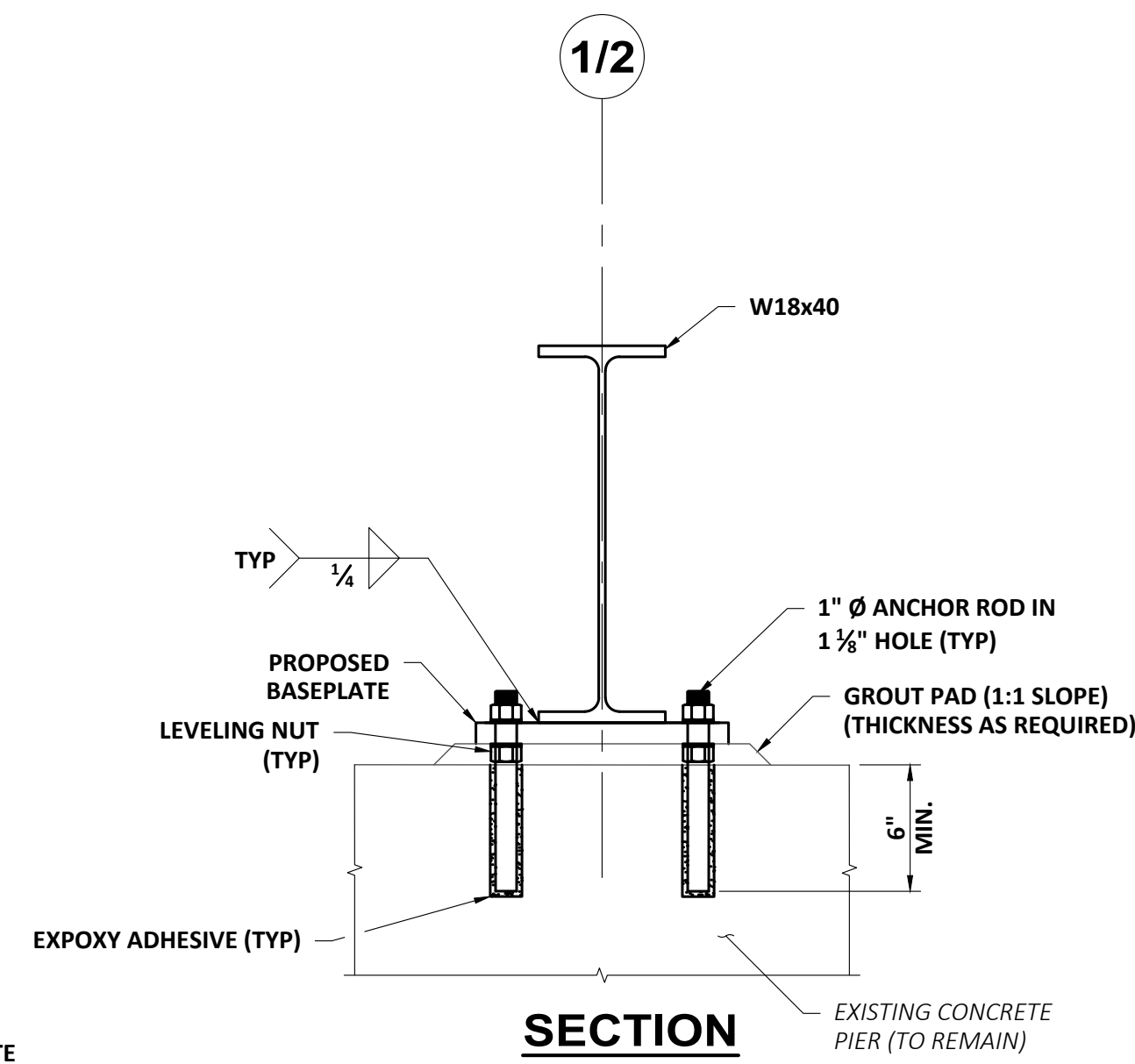
**SECTION**

**CONNECTION PLATE DETAILS**

SCALE: 1-1/2"=1'-0"



**PLAN**



**SECTION**

**BEAM END DETAILS**

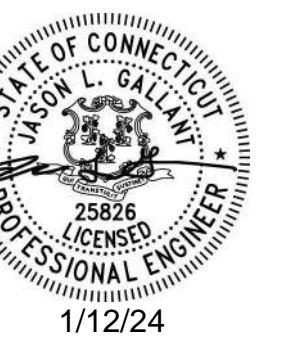
SCALE: 1-1/2"=1'-0"

**NOTES:**

- NON-SHRINK GROUT SHALL BE IN ACCORDANCE WITH SECTION M.03.05 OF THE CTDOT STANDARD SPECIFICATIONS AND SHALL BE ON THE CTDOT QUALIFIED PRODUCTS LIST.
- EPOXY ADHESIVE SHALL BE SIMPSON STRONG-TIE SET-XP® HIGH STRENGTH EPOXY ADHESIVE OR ACCEPTED EQUAL.
- CUT EXISTING ANCHOR BOLTS DOWN 1" FROM TOP OF CONCRETE PIER AND FILL WITH AN EPOXY MATERIAL IN ACCORDANCE WITH SECTION M.03.07 OF THE CTDOT STANDARD SPECIFICATIONS.
- CONTRACTOR SHALL REMOVE ALL LOOSE CONCRETE THAT COULD INHIBIT GROUT BOND FROM UNDER PROPOSED BASEPLATE. CHIPPING HAMMERS HEAVIER THAN 15 POUNDS ARE PROHIBITED.

NO	REVISIONS	APPD	DATE

PROJECT NO: 21470	DESIGNED: W/NUHN	CAD COORD: MLAPIERRE	CHECKED: W/NUHN	DATE: JANUARY 2024	APPROVED: J.GALLANT	DATE: JANUARY 2024	SUBMISSION: CONTRACT DRAWINGS
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**MONTVILLE WATER POLLUTION CONTROL AUTHORITY STONY BROOK UTILITY BRIDGE REHABILITATION**