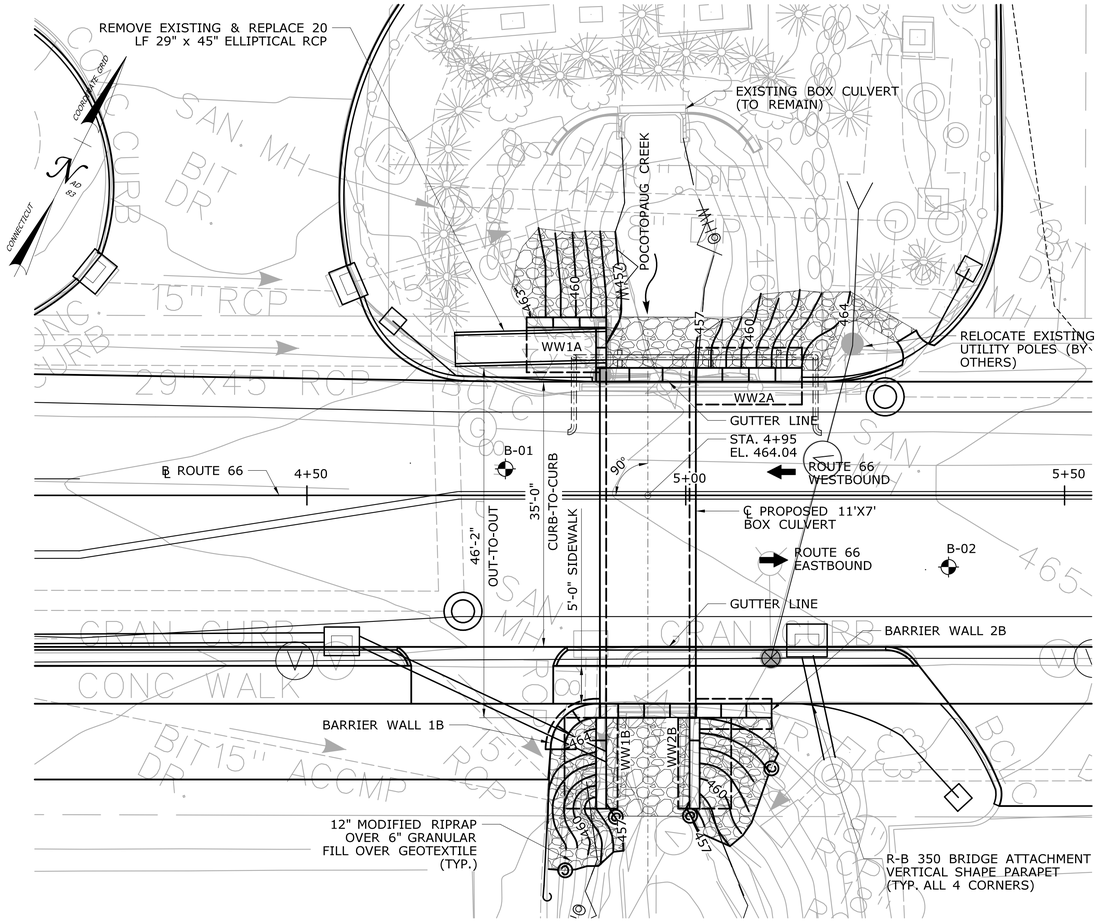


GENERAL PLAN

SCALE: 1" = 10'-0"

BRIDGE QUANTITIES

ITEM	UNIT	TOTAL
STRUCTURAL EXCAVATION - EARTH (EXCLUDING COFFERDAM AND DEWATERING)	C.Y.	355
STRUCTURAL EXCAVATION - ROCK (EXCLUDING COFFERDAM AND DEWATERING)	C.Y.	60
COFFERDAM AND DEWATERING	L.F.	225
HANDLING WATER	L.S.	1
GRANULAR FILL	C.Y.	20
PERVIOUS STRUCTURE BACKFILL	C.Y.	426
HMA S0.5	TON	6
HMA S0.25	TON	5
REMOVAL OF SUPERSTRUCTURE	L.S.	1
11'x7' PRECAST CONCRETE BOX CULVERT	L.F.	47
PRECAST CONCRETE WALLS	L.S.	1
BRIDGE SIDEWALK CONCRETE	C.Y.	3
DEFORMED STEEL BARS - GALVANIZED	LB.	212
MODIFIED RIPRAP	C.Y.	35
MEMBRANE WATERPROOFING (COLD LIQUID ELASTOMERIC)	S.Y.	76
DAMPPROOFING	S.Y.	135
NO. 6 CRUSHED STONE	C.Y.	75
GEOTEXTILE - (SEPARATION - MEDIUM SURVIVABILITY)	S.Y.	365
6" GRANITE STONE CURBING	L.F.	13
REMOVAL OF EXISTING MASONRY	C.Y.	210

HYDRAULIC DATA

DRAINAGE AREA	4.5 SQ. MILE
DESIGN FREQUENCY	100 YEAR
DESIGN DISCHARGE	275 CFS
UPSTREAM DESIGN WATER SURFACE ELEVATION	461.5
DOWNSTREAM DESIGN WATER SURFACE ELEVATION	459.4

PRECAST CONCRETE BOX CULVERT SHIPPING DATA

MAX SHIPPING LENGTH	MAX SHIPPING HEIGHT	MAX SHIPPING WIDTH	MAX SHIPPING WEIGHT
7.67 FT	9 FT	12.67 FT	43500 LB

NOTICE TO BRIDGE INSPECTORS

THE DEPARTMENT'S BRIDGE SAFETY PROCEDURES REQUIRE THIS BRIDGE TO BE INSPECTED FOR, BUT NOT LIMITED TO, ALL APPROPRIATE COMPONENTS INDICATED IN THE GOVERNING MANUAL FOR BRIDGE INSPECTION, ATTENTION MUST BE GIVEN TO INSPECTING THE FOLLOWING SPECIAL COMPONENTS AND DETAILS, (THE LISTING FOR SPECIFIC ATTENTION SHALL NOT BE CONSTRUED TO REDUCE THE IMPORTANCE OF INSPECTION OF ANY OTHER COMPONENT OF THE STRUCTURE). THE FREQUENCY OF INSPECTION OF THIS STRUCTURE SHALL BE IN ACCORDANCE WITH THE GOVERNING MANUALS FOR BRIDGE INSPECTION. UNLESS OTHERWISE DIRECTED BY THE MANAGER OF SAFETY AND EVALUATION.

COMPONENT OR DETAIL	STRUCTURE SHEET REFERENCE
FOLLOW NORMAL INSPECTION PROCEDURES	———

GENERAL NOTES:

SPECIFICATIONS: CONNECTICUT DEPARTMENT OF TRANSPORTATION FORM 817 (2016), SUPPLEMENTAL SPECIFICATIONS DATED JULY 2018 AND SPECIAL PROVISIONS.

DESIGN SPECIFICATION: AASHTO LRFD DESIGN SPECIFICATIONS, 7TH EDITION, WITH THE INTERIM SPECIFICATIONS UP TO AND INCLUDING (2016), AS SUPPLEMENTED BY THE CONNECTICUT DEPARTMENT OF TRANSPORTATION BRIDGE DESIGN MANUAL (2003).

MATERIAL STRENGTHS:
CONCRETE:
PCC04462..... f'c=4,000 psi
PRECAST CONCRETE BOX CULVERT..... f'c=5,000 psi
PRECAST CONCRETE WALLS..... f'c=4,000 psi

THE SPECIFIED CONCRETE STRENGTH USED IN DESIGN, f'c, OF THE CONCRETE COMPONENTS IS NOTED ABOVE. THE MINIMUM COMPRESSIVE STRENGTH OF THE CONCRETE IN THE CONSTRUCTED COMPONENTS SHALL CONFORM TO THE REQUIREMENTS OF THE SECTION 6.0.1 CONCRETE FOR STRUCTURES AND SECTION M.03 - PORTLAND CEMENT CONCRETE.

REINFORCEMENT :
(ASTM A615, GRADE 60)..... fy= 60,000 psi

LIVE LOAD: HL-93.

FUTURE PAVING ALLOWANCE: NONE.

BITUMINOUS CONCRETE OVERLAY: THIS SHALL CONSIST OF THREE LIFTS: THE FIRST SHALL BE HMA S0.25 TRAFFIC LEVEL 2 (1" UNIFORM THICKNESS), THE SECOND SHALL BE HMA S0.25 TRAFFIC LEVEL 2 (0" TO 1.5" WEDGE LIFT) AND THIRD SHALL BE HMA S0.5 TRAFFIC LEVEL 2 (2" UNIFORM THICKNESS).

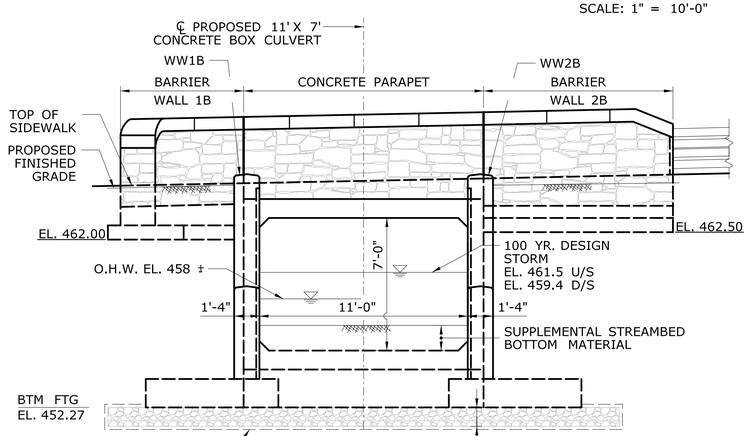
FOUNDATION PRESSURES: THE LIMIT STATES NOTED ON THE WINGWALL SHEETS REFER TO LOAD COMBINATIONS AS GIVEN IN THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS.

DIMENSIONS: WHEN DECIMAL DIMENSIONS ARE GIVEN LESS THAN THREE DECIMAL PLACES, THE OMITTED DIGITS SHALL BE ASSUMED TO BE ZEROS.

EXISTING BRIDGE: DETAILS OF THE EXISTING BRIDGE SHOWN ON THESE PLANS ARE FOR GENERAL REFERENCE ONLY. THEY HAVE BEEN TAKEN FROM THE REHABILITATION STUDY REPORT AND ARE NOT GUARANTEED. THE CONTRACTOR SHALL TAKE ALL FIELD MEASUREMENTS NECESSARY TO ASSURE PROPER FIT OF THE FINISHED WORK AND SHALL ASSUME FULL RESPONSIBILITY FOR THEIR ACCURACY. WHEN SHOP DRAWINGS BASED ON FIELD MEASUREMENTS ARE SUBMITTED FOR APPROVAL, THE FIELD MEASUREMENTS SHALL ALSO BE SUBMITTED FOR REFERENCE BY THE REVIEWER. THE REMOVAL OF THE EXISTING BRIDGE SUPERSTRUCTURE WILL BE PAID FOR UNDER THE ITEM "REMOVAL OF SUPERSTRUCTURE" AND THE REMOVAL OF EXISTING BRIDGE SUBSTRUCTURE AND WINGWALLS WILL BE PAID FOR UNDER THE ITEM "REMOVAL OF EXISTING MASONRY".

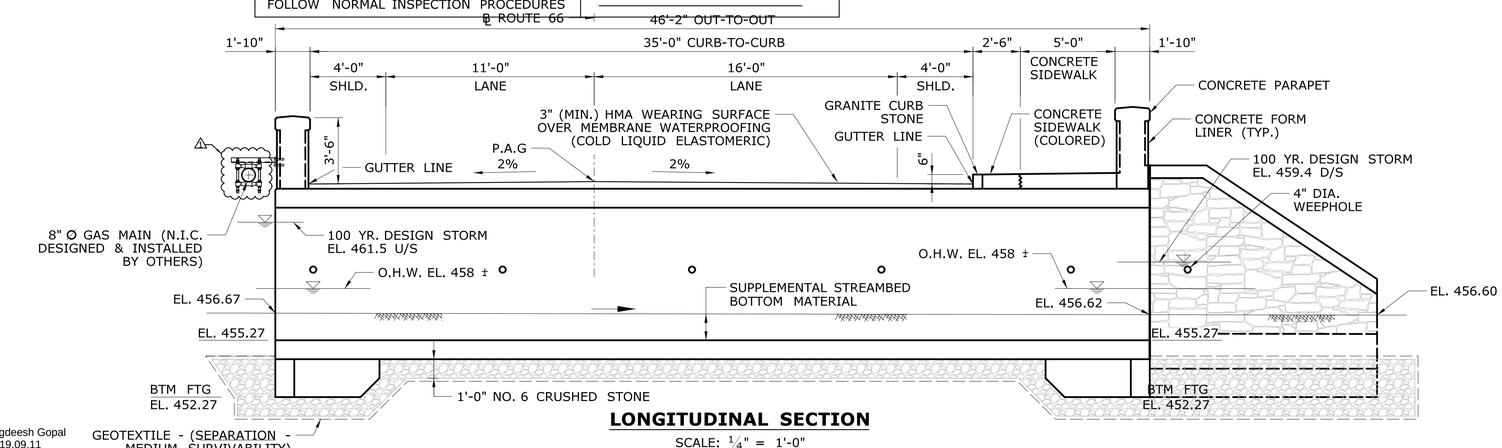
UTILITIES: THE CONTRACTOR SHALL PROTECT AND MAINTAIN ALL EXISTING UTILITIES WITHIN THE PROJECT LIMITS, UNLESS NOTED OTHERWISE. IF ANY UTILITY IS DAMAGED OR SERVICE IS INTERRUPTED DURING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING FULL SERVICE IN A SAFE MANNER APPROVED BY THE UTILITY COMPANY AND ENGINEER.

BRIDGE IDENTIFICATION PLACARDS: THE CONTRACTOR SHALL PROVIDE AND INSTALL NEW BRIDGE IDENTIFICATION SIGNS AT THE LEADING END OF EACH BRIDGE PARAPET ON THE TRAFFIC SIDE. THE SIGNS SHALL BE FABRICATED WITH 40 GAUGE ALUMINUM SHEET METAL. THE SIGNS SHALL BE 4"X12" WITH 3" WHITE REFLECTIVE BLOCK LETTERS ON GREEN REFLECTIVE SHEETING. EACH SIGN SHALL READ: 02018. ALL COSTS ASSOCIATED WITH PROVIDING AND INSTALLING THE BRIDGE SIGNS SHALL BE COVERED UNDER ITEM 1208929 SIGN FACE-SHEET ALUMINUM (TYPE IV REFLECTIVE SHEETING). THE FINAL LOCATION AND ATTACHMENT METHOD FOR THE SIGNS SHALL BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION.



OUTLET ELEVATION

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



LONGITUDINAL SECTION

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

Jagdeesh Gopal
2019.09.11
10:38:33-04'00'

ADDENDUM NO. 1

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
1	09/04/19	REVISED GAS MAIN INSTALLATION	04.02.A1

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

Plotted Date: 9/4/2019

DESIGNER/DRAFTER: PS
CHECKED BY: JG
SCALE AS NOTED

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\SB_MSH_41_118_GPN_A01.dgn

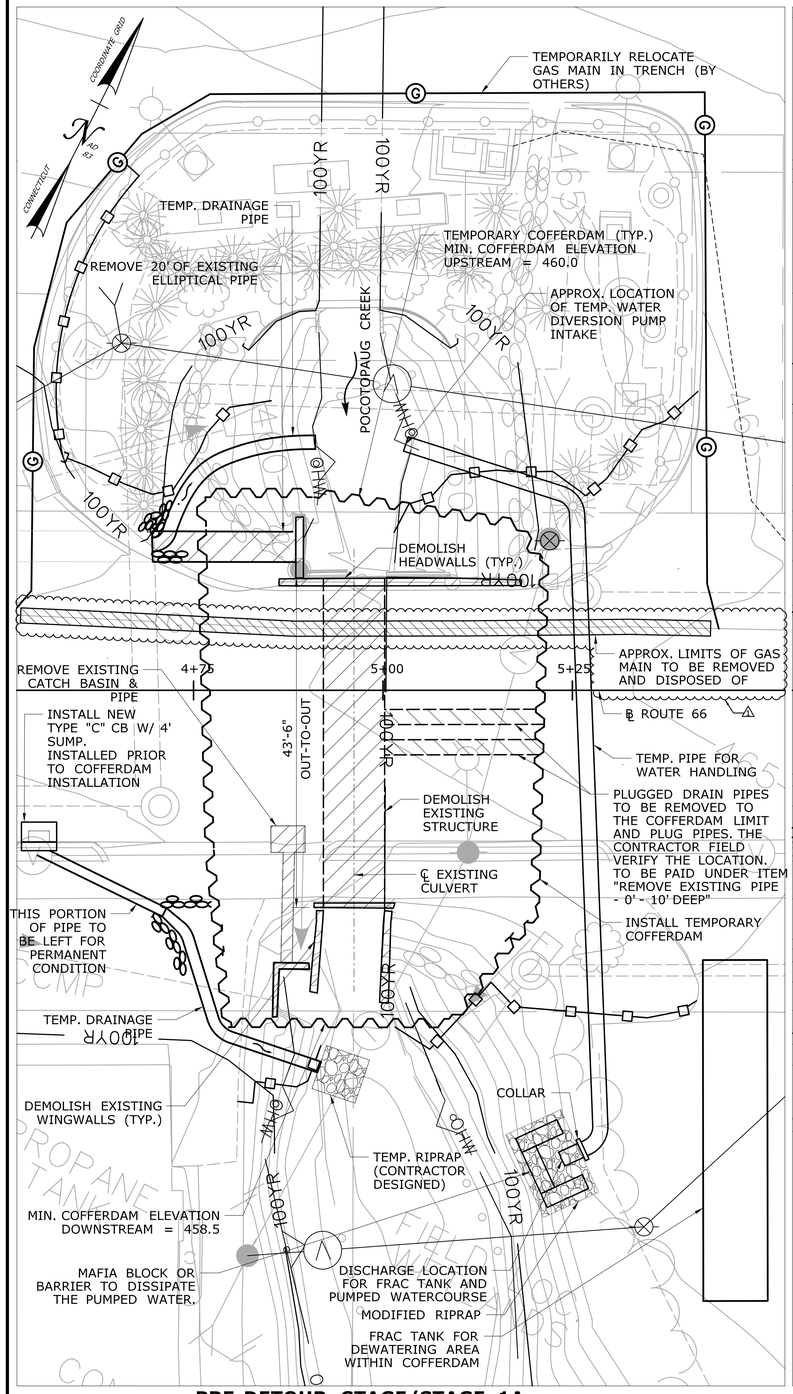
SIGNATURE/BLOCK:
GM2 ASSOCIATES, INC.
115 GLASTONBURY BLVD.
GLASTONBURY, CT 06033

PROJECT TITLE:
REPLACEMENT OF BRIDGE NO. 02018 ROUTE 66 OVER POCOTOPAUG CREEK

TOWN: **EAST HAMPTON**

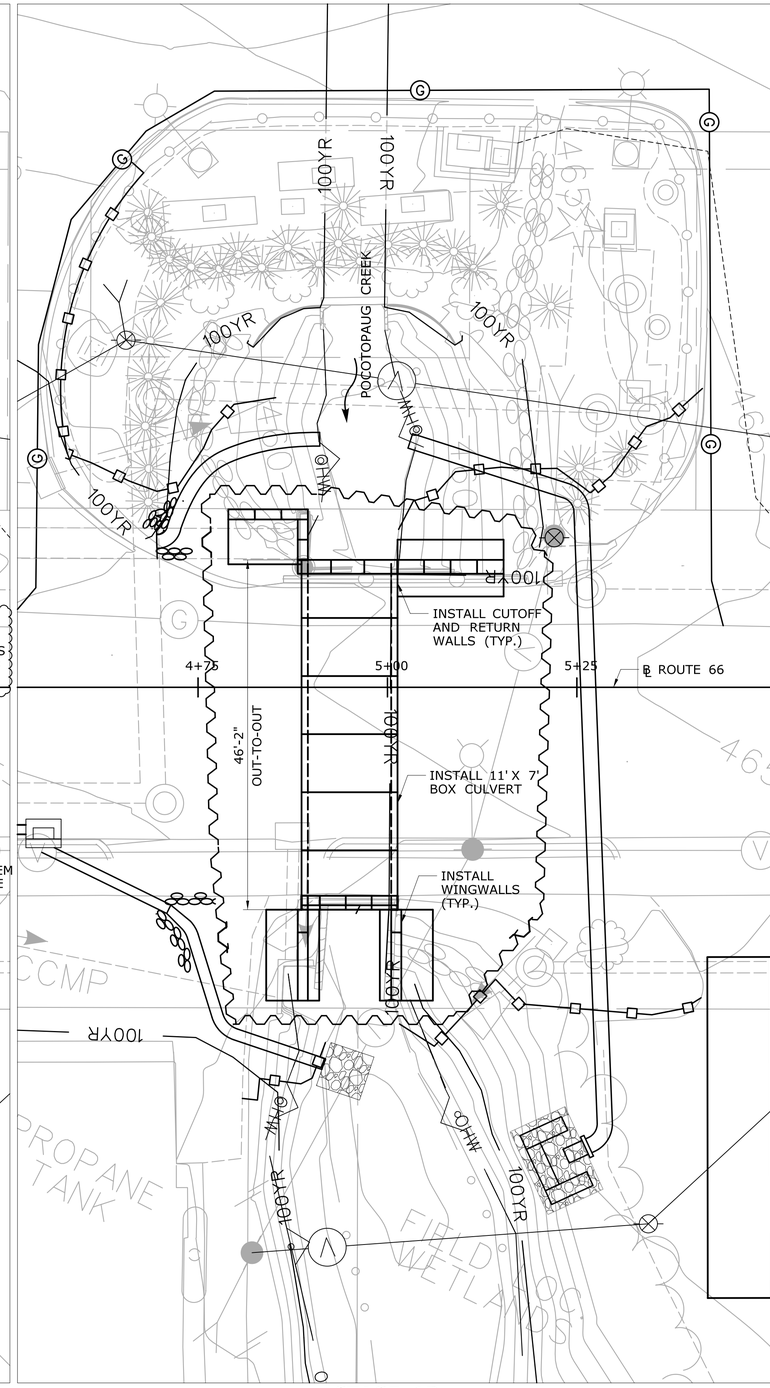
DRAWING TITLE: **GENERAL PLAN AND ELEVATION**

PROJECT NO. **041-118**
DRAWING NO. **STR-02**
SHEET NO. **04.02.A1**



PRE-DETOUR STAGE/STAGE 1A

SCALE: 1" = 10'



STAGE 1B

SCALE: 1" = 10'

SUGGESTED SEQUENCE OF CONSTRUCTION:

THE FOLLOWING SEQUENCE AND IMPLIED METHODS OF CONSTRUCTION ARE SUGGESTED AND ARE INTENDED TO CONVEY THE ASSUMPTIONS MADE BY THE DESIGNER TO DEVELOP THE REQUIREMENTS FOR REGULATORY PERMITS INCLUDED IN THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SELECTING HIS MEANS AND METHODS FOR COMPLETION OF THE PROJECT AND SHALL SUBMIT WORKING DRAWINGS TO THE ENGINEER FOR APPROVAL PRIOR TO STARTING WORK.

TRAFFIC SHALL BE MAINTAINED AT ALL TIMES IN ACCORDANCE WITH THE PROVISIONS FOR "MAINTENANCE AND PROTECTION OF TRAFFIC" AND "PROSECUTION AND PROGRESS". REFER TO MPT PLANS FOR SUGGESTED TRAFFIC CONTROLS.

THE INTENT OF THE COFFERDAMS ARE TO MINIMIZE GROUND WATER INFILTRATION IN ADDITION TO ACTING AS A TEMPORARY EARTH RETAINING SYSTEM. SEE STANDARD SPECIFICATION FOR "COFFERDAM AND DEWATERING".

PRE-DETOUR STAGE

1. PERFORM UTILITY RELOCATIONS (OVERHEAD AND UNDERGROUND BY OTHERS). PORTION OF GAS MAIN OVER BRIDGE TO BE ABANDONED IN-PLACE. 1
2. INSTALL SEDIMENTATION AND EROSION CONTROLS.
3. REMOVE PLUGGED DRAIN PIPES TO THE COFFERDAM LIMIT AND PLUG PIPES.
4. INSTALL SOUTHWEST CATCH BASIN AT STA. 4+55 AND INSTALL 18" RCP TO CONNECT TO EXISTING CATCH BASIN AT STA. 3+85. INSTALL TEMPORARY DRAINAGE TO THE DOWNSTREAM SIDE. REMOVE EXISTING 15" ACCMP.
5. TEMPORARILY RELOCATE THE GAS MAIN OUT OF THE COFFERDAM LIMITS. GAS LINE TO BE BURIED AND PROTECTED.
6. CONSTRUCT TEMPORARY DRIVEWAYS NORTH OF THE BRIDGE. SEE MPT PLANS.
7. INSTALL FRAC TANK FOR DEWATERING.
8. INSTALL BARRIER TO DISSIPATE ENERGY OF PUMPED WATER ON THE DOWNSTREAM SIDE.
9. REMOVE SECTION OF ELLIPTICAL DRAINAGE PIPE ON NORTH SIDE OF BRIDGE AND DIVERT FLOWS UTILIZING A TEMPORARY DRAINAGE PIPE TO UPSTREAM SIDE.
10. REMOVE EXISTING CATCH BASIN AND PIPE AT STA. 4+85.
11. INSTALL TYPE "C-L" DOUBLE GRATE AT STATION 3+85 RT, 18" RCP AND THE TYPE "C" CATCH BASIN WITH 4' SUMP PRIOR TO THE DETOUR.

STAGE 1A

1. CLOSE THE ROAD TO VEHICULAR TRAFFIC WHILE MAINTAINING ACCESS TO ADJACENT DRIVEWAYS.
2. DEMOLISH EXISTING BRIDGE AND WINGWALLS AS SHOWN IN STAGE 1A. REMOVE AND DISPOSE PORTION OF ABANDONED GAS MAIN OVER BRIDGE. 1
3. MAINTAIN STREAM FLOW BY PUMPING WATER FROM THE UPSTREAM SIDE TO THE DOWNSTREAM SIDE. REFER TO SPECIAL PROVISION "HANDLING WATER" FOR ADDITIONAL INFORMATION.
4. INSTALL COFFERDAM DOWN TO BED ROCK TO PROVIDE A CUTOFF AGAINST GROUND WATER INFILTRATION. COFFERDAMS MAY NEED TO BE BRACED.

STAGE 1B

1. DEWATER THE SITE AS NECESSARY. GROUND WATER IS CONTAMINATED. SEE SPECIAL PROVISIONS FOR REQUIREMENTS FOR HANDLING GROUND WATER.
2. GRADE FOR CUT-OFF AND RETURN WALLS, CULVERT AND WINGWALLS. PLACE GEOTEXTILE AND NO. 6 CRUSHED STONE BEDDING MATERIAL.
3. INSTALL PRECAST CONCRETE CUT-OFF WALLS AND RETURN WALLS.
4. INSTALL PRECAST CONCRETE BOX CULVERT AND WINGWALLS.
5. INSTALL PRECAST CONCRETE PARAPET WALLS ON BOX CULVERT.

STAGE 1C

1. BACKFILL CULVERT AND WINGWALLS WITH PERVIOUS STRUCTURE BACKFILL.
2. INSTALL PRECAST CONCRETE BARRIER WALLS.
3. PLACE NATURAL STREAMBED MATERIAL.
5. REMOVE SECTION OF COFFERDAM AND INSTALL ELLIPTICAL DRAINAGE PIPE AND BACKFILL AND REMOVE TEMPORARY DRAINAGE PIPE.
6. REMOVE ENTIRE COFFERDAM ENCLOSURE.
7. REMOVE DEWATERING BASIN, TEMPORARY PIPE AND WATER DISSIPATION BARRIER.
8. PLACE MEMBRANE WATERPROOFING.
9. INSTALL CATCH BASIN AT STA. 5+16 AND INSTALL 18" RCP ON SOUTH WEST AND SOUTH EAST SIDES OF CULVERT AND REMOVE TEMPORARY DRAINAGE PIPE.
10. INSTALL PAVEMENT AND CONSTRUCT ROADWAY APPROACHES EXCEPT FOR FINAL COURSE OF PAVEMENT.

STAGE 2

1. INSTALL TPCBC AND TEMPORARY IMPACT ATTENUATION UNIT.
2. OPEN ROAD TO TRAFFIC.
3. CONSTRUCT SIDEWALK.
4. INSTALL GUIDERAIL AND REMOVE TPCBC.

FINAL CONDITION

1. RELOCATE GAS LINE TO FINAL LOCATION BY OTHERS. CONTRACTORS TO REMOVE AND DISPOSE OF TEMPORARY BYPASS GAS LINE. 1
2. INSTALL TOP COURSE OF PAVEMENT AND PAVEMENT MARKINGS.
3. RESTORE LANDSCAPING.
4. RESTORE ALL DRIVEWAYS AND PARKING AREAS.
5. COMPLETE ALL OTHER ANCILLARY WORK CALLED FOR IN THE PROJECT.

WATER HANDLING NOTES:

1. THE CONTRACTOR SHALL MAINTAIN WATER THROUGH THE TEMPORARY PIPE AS SHOWN DURING CONSTRUCTION OF THE NEW STRUCTURE.
2. EQUIPMENT SHALL NOT BE PERMITTED IN THE STREAM WHEN TEMPORARY PIPE IS NOT IN PLACE WITHOUT APPROVAL FROM THE ENGINEER.
3. TEMPORARY COFFERDAM SHALL CONSIST OF SHEET PILES OR ANY OTHER APPROVED SYSTEM THAT THE CONTRACTOR ELECTS TO USE WHICH SHALL BE SAFE, WATER TIGHT AS NECESSARY TO MINIMIZE GROUNDWATER INFILTRATION, SHALL BE ABLE TO SUPPORT CONSTRUCTION ACTIVITY AND EXCAVATION, AND SHALL CONFORM TO PERMITS.
4. THE TEMPORARY PIPE OR TEMPORARY DRAINAGE PIPES ARE TO BE DESIGNED BY THE CONTRACTOR TO HANDLE THE EXPECTED STORM FLOWS AND ARE TO BE DISCHARGED TO A STABLE LOCATION WITHIN THE PROPOSED IMPACT AREAS. ALL DISTURBED AREAS TO BE RESTORED.
5. THE COST FOR MAFIA BLOCKS/BARRIER USED FOR DISSIPATING THE PUMPED WATER, TEMPORARY PIPE FOR WATER HANDLING AND TEMP. DRAINAGE PIPES SHALL BE INCLUDED UNDER ITEM "HANDLING WATER"

REMOVAL/DEMOLISH LIMITS

TEMPORARY HYDRAULIC DATA	
AVERAGE DAILY FLOW	8 CFS
AVERAGE SPRING FLOW	16 CFS
2-YEAR FREQUENCY DISCHARGE	25 CFS
TEMPORARY DESIGN DISCHARGE	12 CFS
TEMPORARY DESIGN FREQUENCY	(1/2) 2-YEAR FLOW
TEMPORARY WATER SURFACE ELEVATION UPSTREAM	458.0 FT
TEMPORARY WATER SURFACE ELEVATION DOWNSTREAM	457.5 FT

ADDENDUM NO. 1

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
1	09/04/19	ADDED GAS MAIN REMOVAL LIMITS	04.06.A1

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

Plotted Date: 9/5/2019

DESIGNER/DRAFTER: PS
CHECKED BY: LP
SCALE AS NOTED

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\SB_MSH_41_118_WH & STG1_A01.dgn

SIGNATURE/BLOCK:

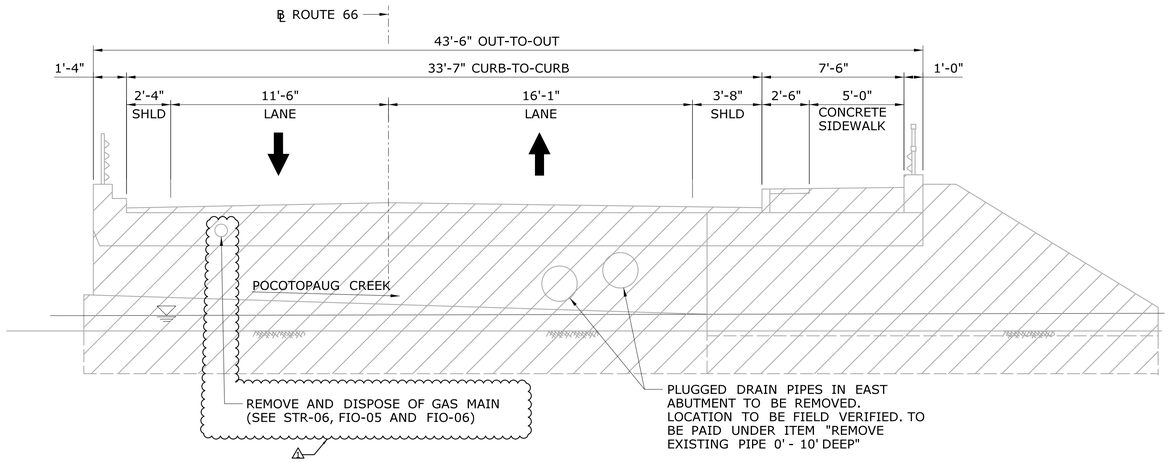
GM2 ASSOCIATES, INC.
115 GLASTONBURY BLVD.
GLASTONBURY, CT 06033

PROJECT TITLE:
REPLACEMENT OF BRIDGE NO. 02018 ROUTE 66 OVER POCOTOPAUG CREEK

TOWN: **EAST HAMPTON**

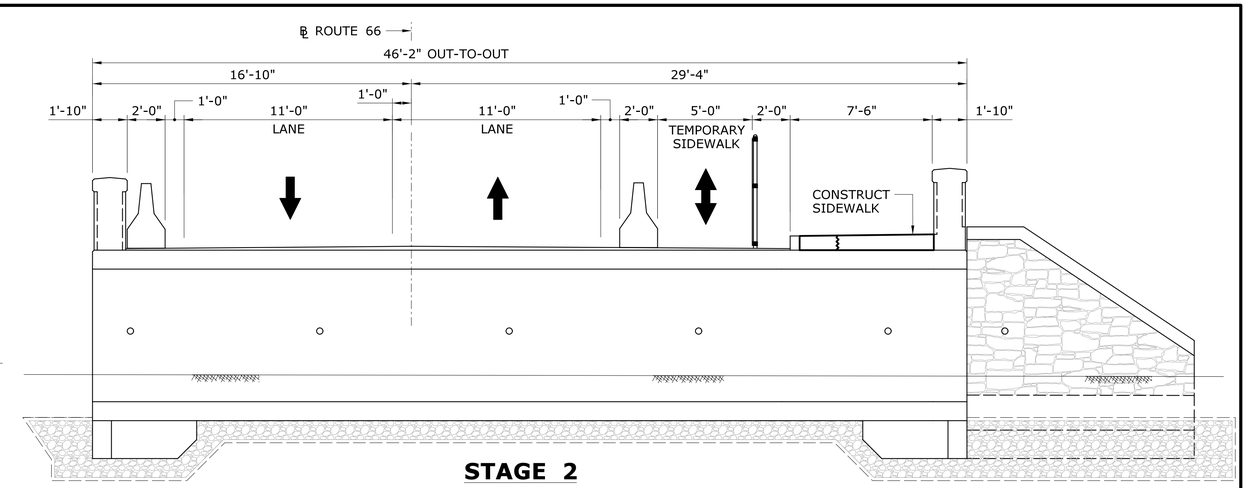
DRAWING TITLE: **STAGING/ WATER HANDLING PLAN - 1**

PROJECT NO. **041-118**
DRAWING NO. **STR-06**
SHEET NO. **04.06.A1**



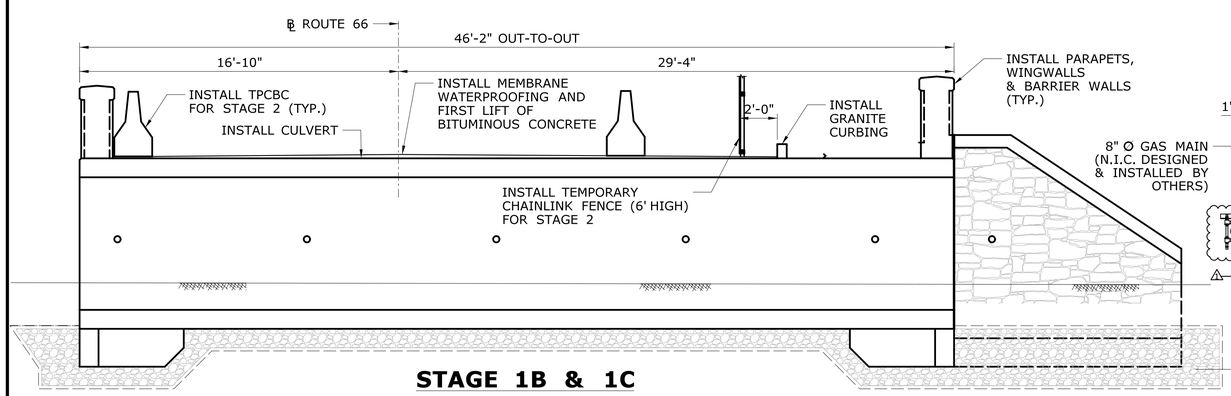
PRE-DETOUR STAGE/STAGE 1A

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



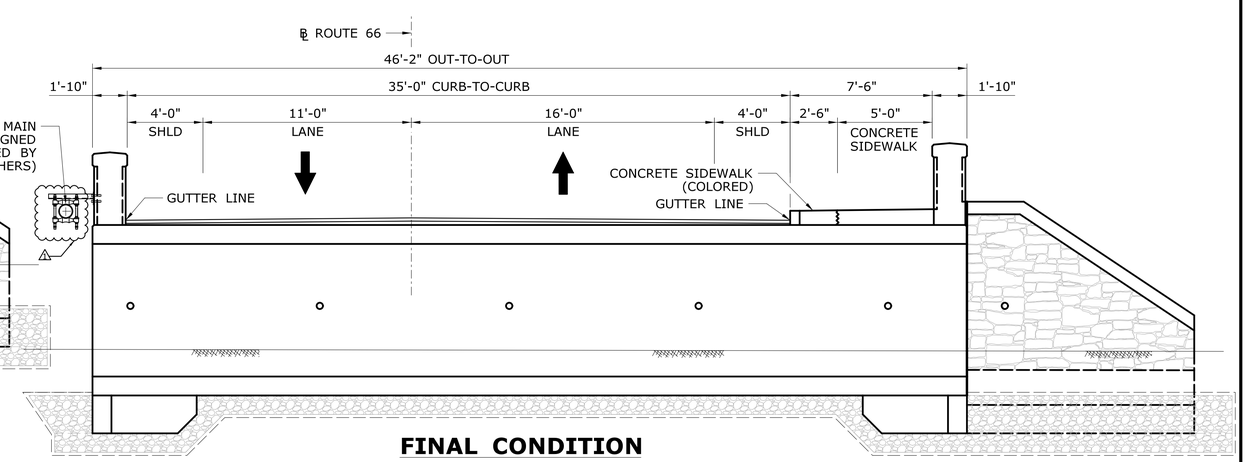
STAGE 2

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



STAGE 1B & 1C

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



FINAL CONDITION

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

NOTE:

1. SEE STAGING/WATER HANDLING PLAN - 1 (DWG. STR-06) FOR SEQUENCE OF CONSTRUCTION.
2. REMOVAL AND DISPOSAL OF THE ABANDONED GAS MAIN TO BE INCLUDED IN COST FOR "REMOVAL OF SUPERSTRUCTURE".

ADDENDUM NO. 1

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
1	09/04/19	UPDATED GAS MAIN DETAILS	04.08.A1

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Plotted Date: 9/5/2019

DESIGNER/DRAFTER: PS
CHECKED BY: JG
SCALE AS NOTED

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\SB_MSH_41_118_STG_A01.dgn

SIGNATURE/BLOCK:

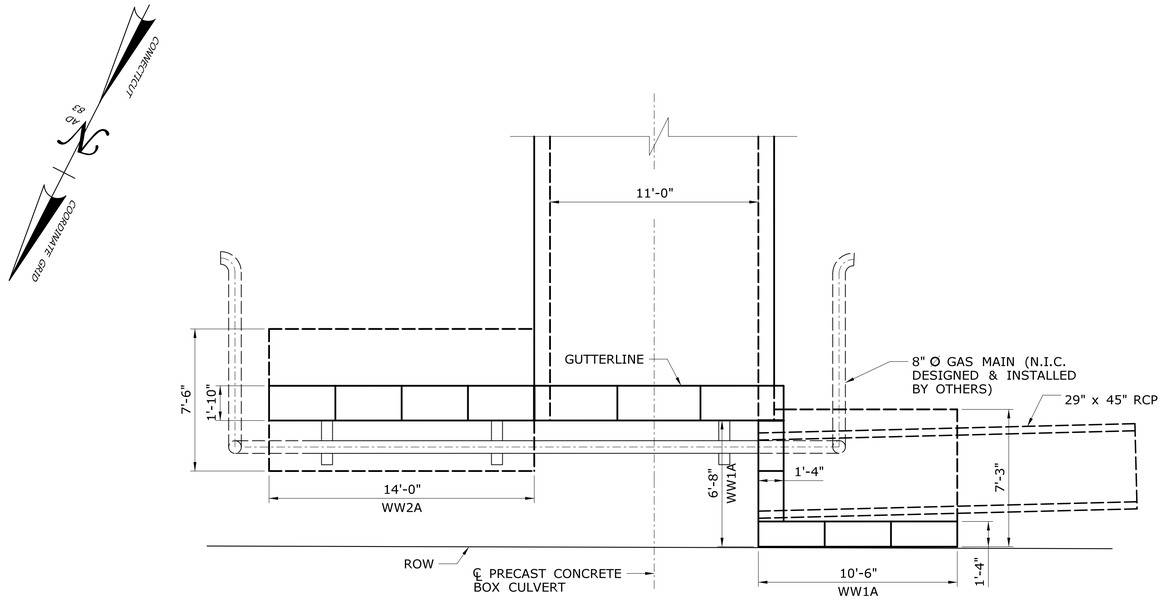
GM2 ASSOCIATES, INC.
115 GLASTONBURY BLVD.
GLASTONBURY, CT 06033

PROJECT TITLE:
REPLACEMENT OF BRIDGE NO. 02018 ROUTE 66 OVER POCOTOPAUG CREEK

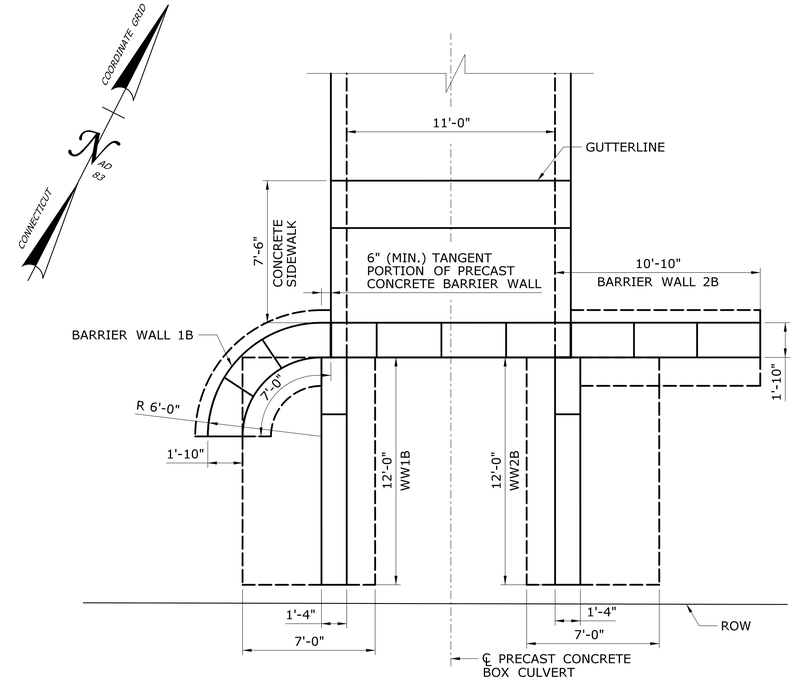
TOWN: EAST HAMPTON

DRAWING TITLE: STAGE CONSTRUCTION SECTIONS

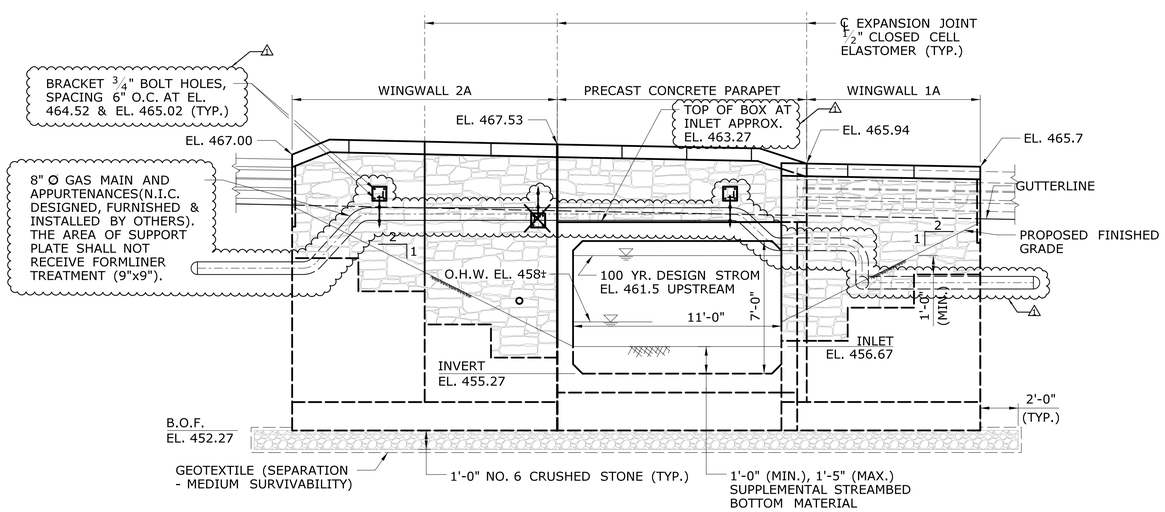
PROJECT NO. 041-118
DRAWING NO. STR-08
SHEET NO. 04.08.A1



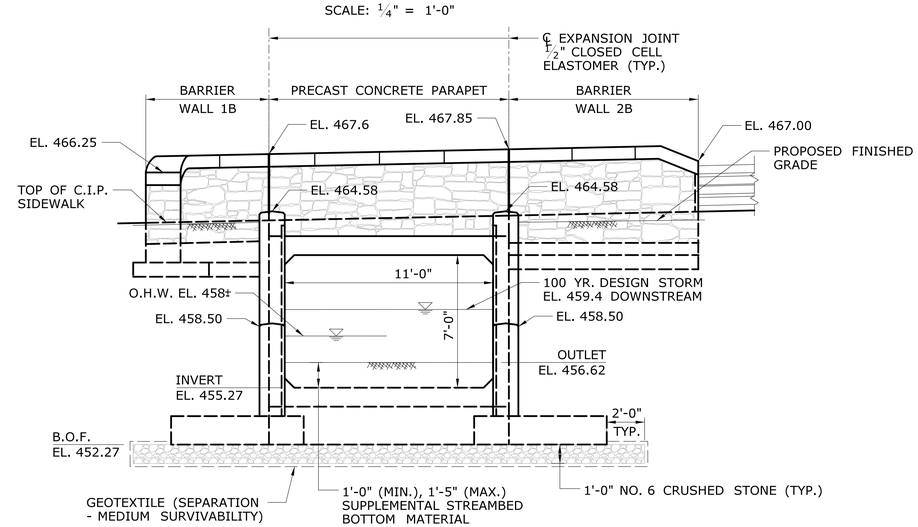
INLET PLAN
SCALE: 1/4" = 1'-0"



OUTLET PLAN
SCALE: 1/4" = 1'-0"



INLET ELEVATION
SCALE: 1/4" = 1'-0"



OUTLET ELEVATION
SCALE: 1/4" = 1'-0"

GAS MAIN NOTES:

1. THE CONTRACTOR SHALL COORDINATE WITH GAS MAIN COMPANY TO DETERMINE SPACING, ATTACHMENT DETAIL REQUIREMENTS BEFORE MANUFACTURING THE PRECAST CONCRETE ELEMENTS.
2. GAS COMPANY TO DESIGN, FURNISH AND INSTALL BOLTS, NUTS, SUPPORT BRACKETS AND PIPE ROLLERS FOR THE GAS MAIN.

ADDENDUM NO. 1

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
1	09/04/19	REVISED GAS MAIN DETAILS	04.11.A1

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Plotted Date: 9/4/2019

DESIGNER/DRAFTER: PS
CHECKED BY: LP
SCALE AS NOTED

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\SB_MSH_41_118_Inlet & Outlet Plan & Elev_A01.dgn

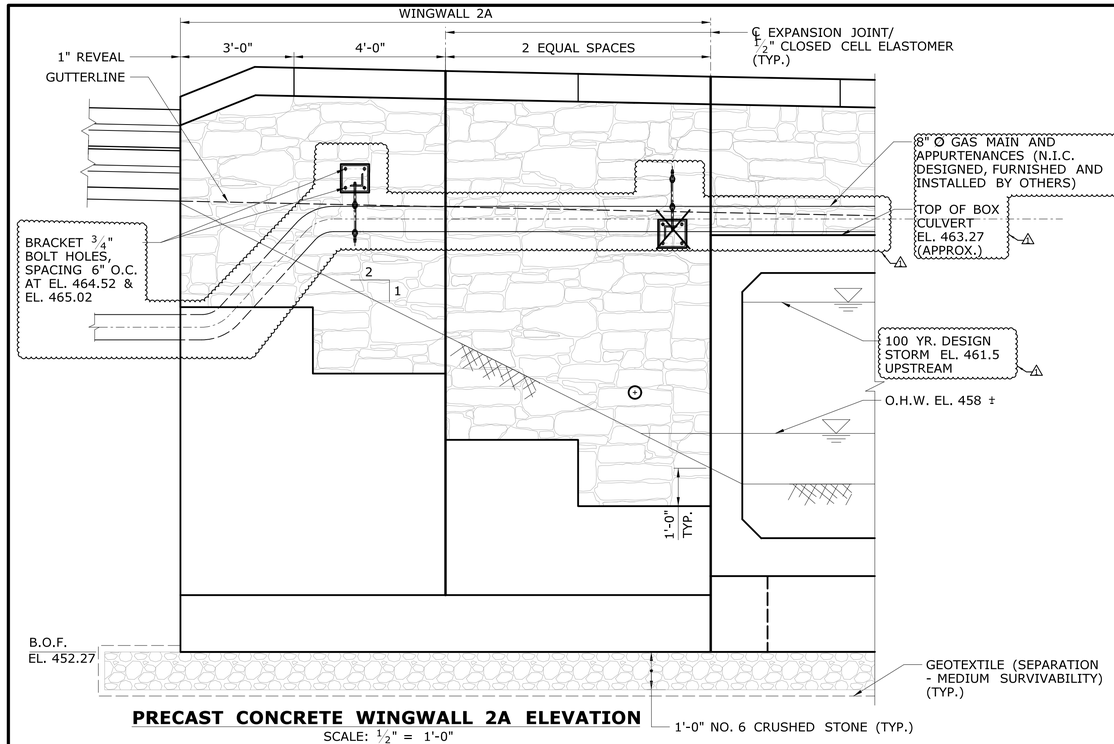
SIGNATURE/BLOCK:
GM2 ASSOCIATES, INC.
115 GLASTONBURY BLVD.
GLASTONBURY, CT 06033

PROJECT TITLE:
REPLACEMENT OF BRIDGE NO. 02018 ROUTE 66 OVER POCOTOPAUG CREEK

TOWN: **EAST HAMPTON**

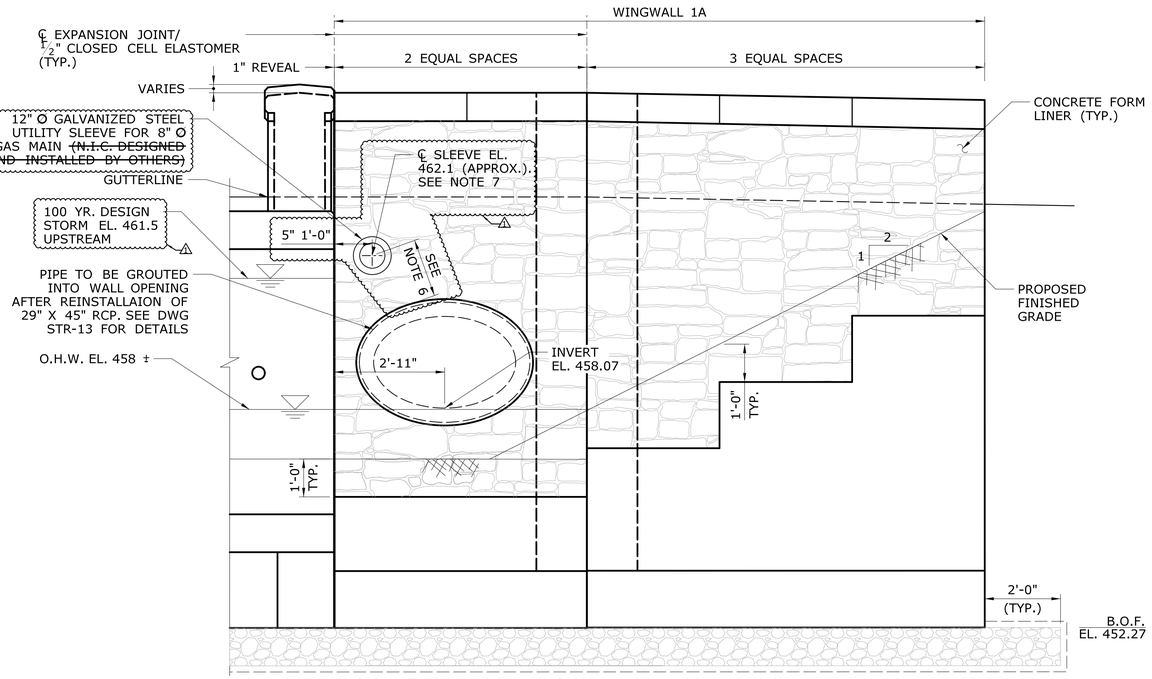
DRAWING TITLE: **INLET AND OUTLET PLANS AND ELEVATIONS**

PROJECT NO. **041-118**
DRAWING NO. **STR-11**
SHEET NO. **04.11.A1**



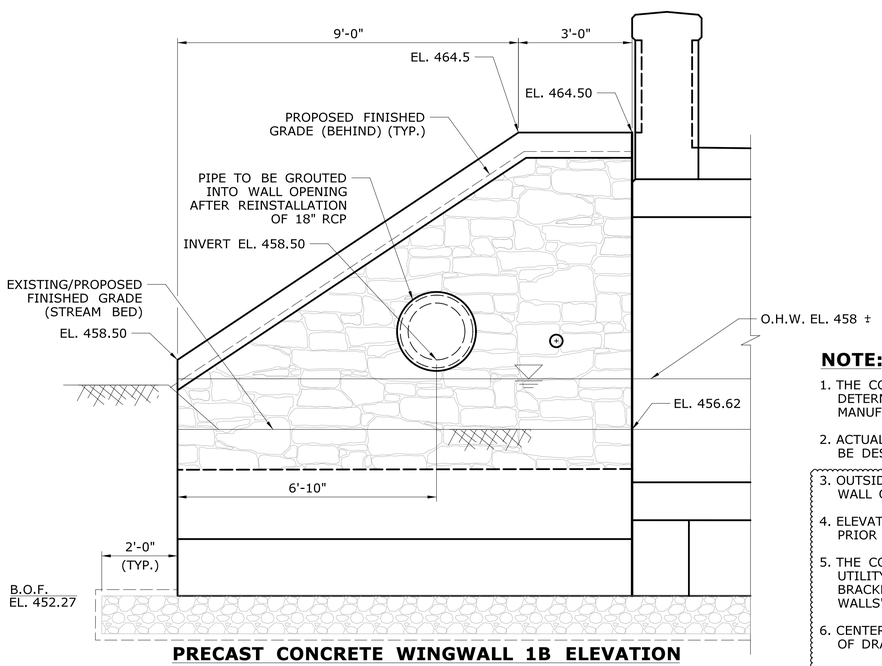
PRECAST CONCRETE WINGWALL 2A ELEVATION

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



DEVELOPED ELEVATION OF PRECAST CONCRETE WINGWALL 1A

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

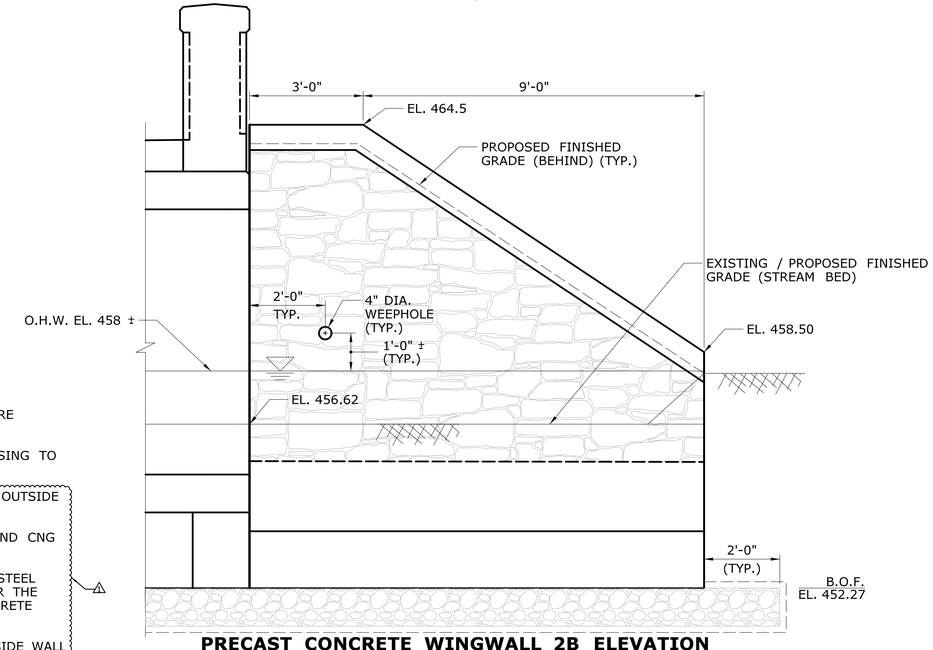


PRECAST CONCRETE WINGWALL 1B ELEVATION

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

NOTE:

1. THE CONTRACTOR SHALL COORDINATE WITH GAS MAIN COMPANY TO DETERMINE SPACING AND ATTACHMENT DETAIL REQUIREMENTS BEFORE MANUFACTURING THE PRECAST CONCRETE ELEMENT.
2. ACTUAL LOCATION AND ATTACHMENTS FOR GAS MAIN BRIDGE CROSSING TO BE DESIGNED BY OTHERS.
3. OUTSIDE DIAMETER OF GAS MAIN TO BE NO LESS THAN 12" FROM OUTSIDE WALL OF DRAINAGE PIPE.
4. ELEVATIONS TO BE COORDINATED BETWEEN PRECAST FABRICATOR AND CNG PRIOR TO FABRICATION.
5. THE COST FOR FURNISHING AND INSTALLING 12" DIA. GALVANIZED STEEL UTILITY SLEEVE FOR 8" DIA. GAS MAIN AND THREADED SLEEVES FOR THE BRACKET BOLTS TO BE INCLUDED UNDER THE ITEM "PRECAST CONCRETE WALLS".
6. CENTER LINE OF GAS MAIN TO BE NO LESS THAN 1'-6" FROM OUTSIDE WALL OF DRAINAGE PIPE.
7. BOTTOM CHORD ELEVATION OF GAS MAIN PIPE AND SUPPORT APPURTENANCES SHALL BE ABOVE 100 YEARS WSE SHOWN ON THESE PLANS.



PRECAST CONCRETE WINGWALL 2B ELEVATION

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

ADDENDUM NO. 1

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
1	09/04/19	REVISED GAS MAIN DETAILS	04.12.A1

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

Plotted Date: 9/5/2019

DESIGNER/DRAFTER: PJ

CHECKED BY: PS

SCALE AS NOTED

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\SB_MSH_41_118_WW Elev_A01.dgn

SIGNATURE/ BLOCK:

GM2 ASSOCIATES, INC.
115 GLASTONBURY BLVD.
GLASTONBURY, CT 06033

PROJECT TITLE:
REPLACEMENT OF BRIDGE NO. 02018 ROUTE 66 OVER POCOTOPAUG CREEK

TOWN: **EAST HAMPTON**

DRAWING TITLE: **WINGWALL ELEVATIONS**

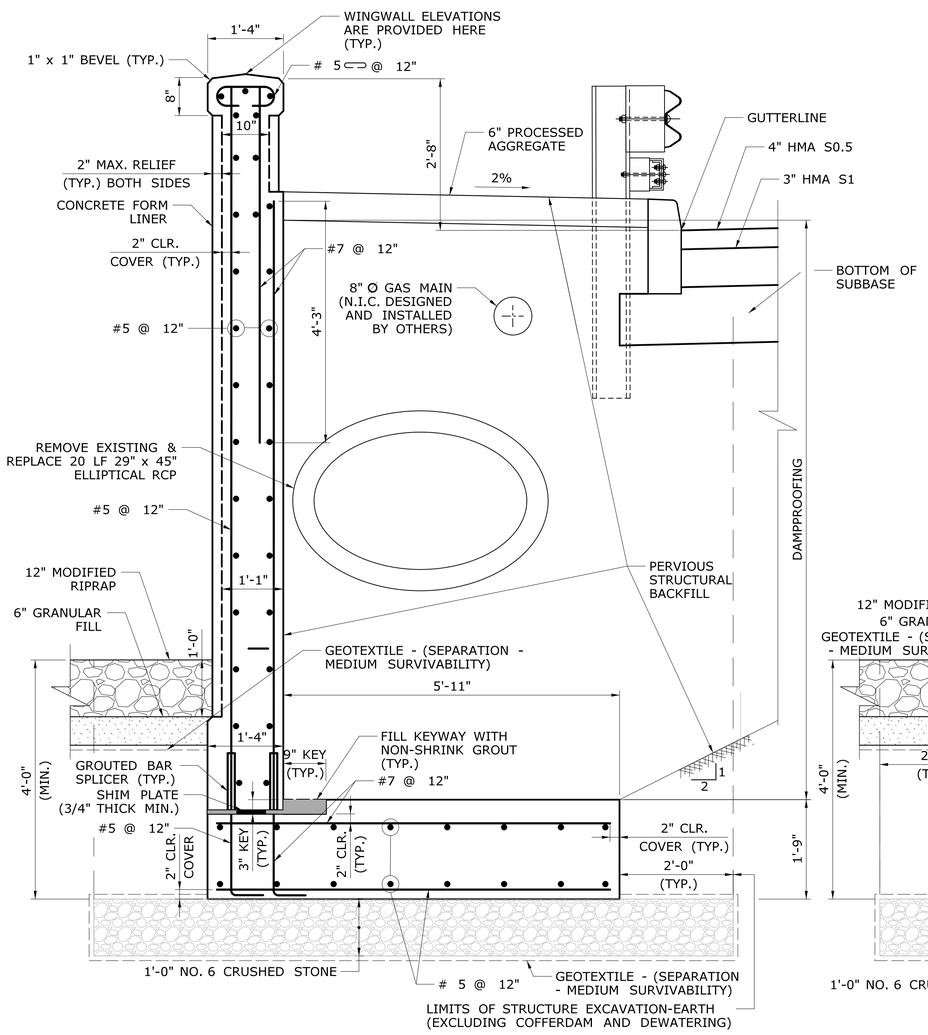
PROJECT NO. **041-118**

DRAWING NO. **STR-12**

SHEET NO. **04.12.A1**

NOTE:

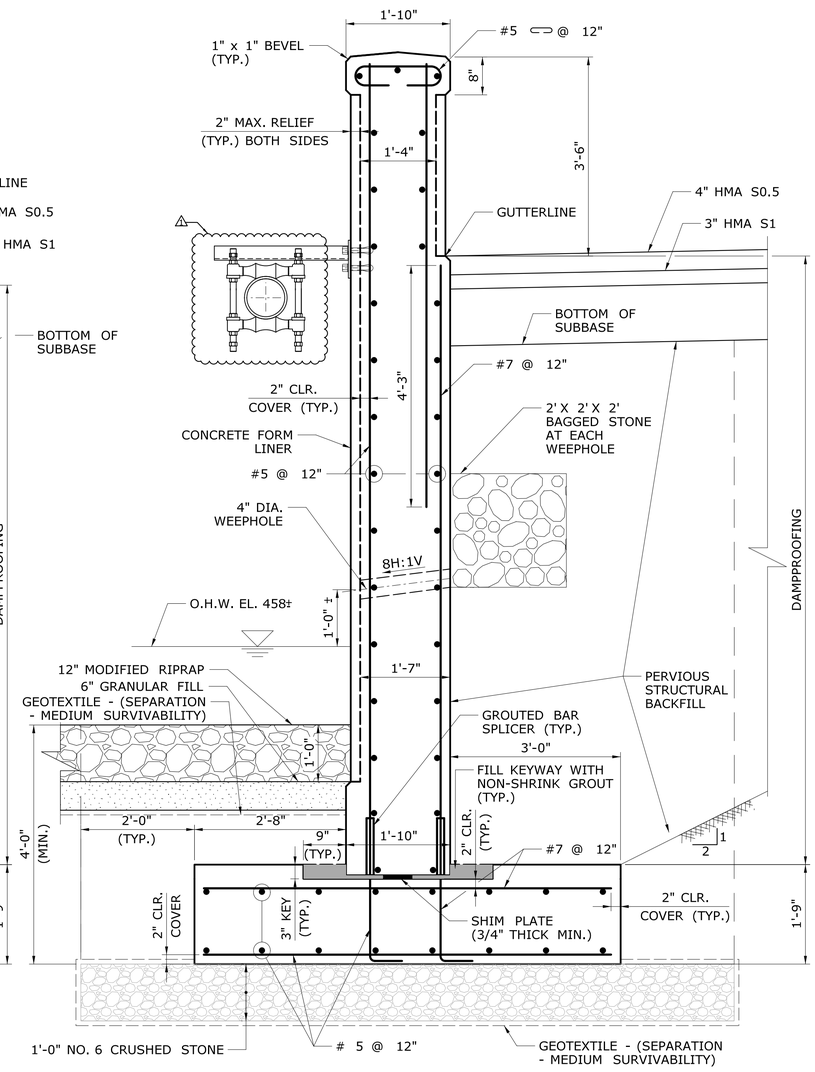
1. THE CONTRACTOR SHALL SUBMIT WORKING DRAWINGS FOR PRECAST CONCRETE CULVERT SEGMENTS, WINGWALLS, CUTOFF WALLS, RETURN WALLS, PARAPETS, BARRIER WALLS AND ALL NECESSARY CONNECTIONS AND OTHER DETAILS.
2. THE CONTRACTOR SHALL COORDINATE WITH GAS COMPANY TO DETERMINE SPACING AND ATTACHMENT DETAIL REQUIREMENTS BEFORE MANUFACTURING THE PRECAST CONCRETE ELEMENT.
3. ACTUAL LOCATION OF ATTACHMENTS FOR GAS MAIN SUPPORTS AT THE CULVERT AND WINGWALLS TO BE DESIGNED, FURNISHED AND INSTALLED BY OTHERS.



LIMIT STATE	UNIFORM FACTORED BEARING PRESSURE (ksf)
STRENGTH	4.14
SERVICE	2.87

TYPICAL PRECAST CONCRETE WINGWALL 1A SECTION

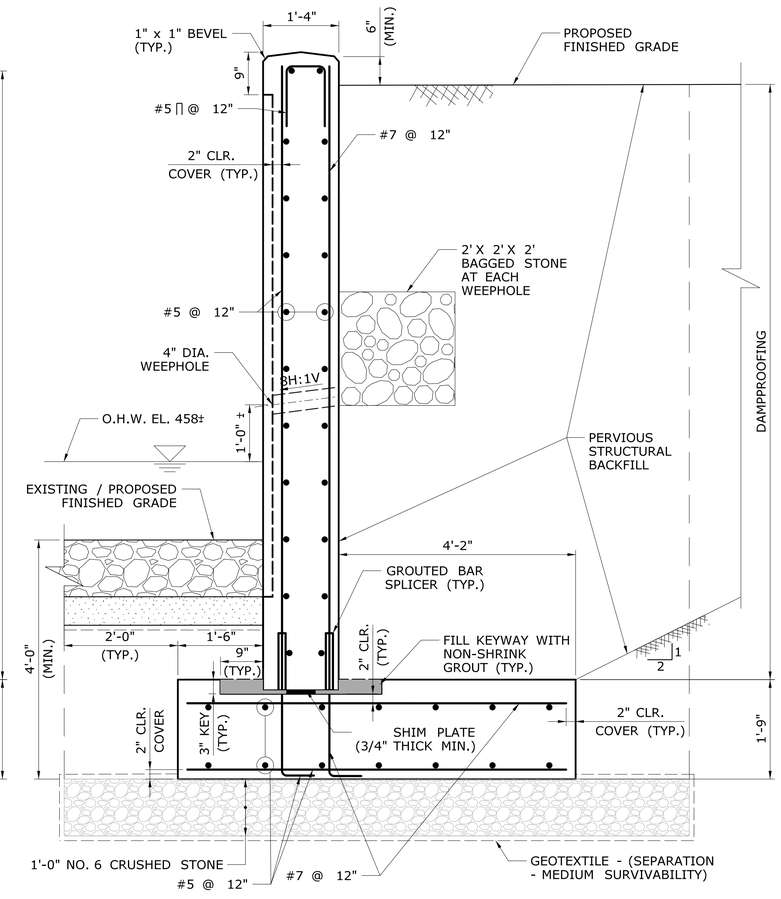
SCALE 3/4" = 1'-0"



LIMIT STATE	UNIFORM FACTORED BEARING PRESSURE (ksf)
STRENGTH	2.85
SERVICE	1.94

TYPICAL PRECAST CONCRETE WINGWALL 2A SECTION

SCALE 3/4" = 1'-0"



LIMIT STATE	UNIFORM FACTORED BEARING PRESSURE (ksf)
STRENGTH	2.90
SERVICE	2.02

TYPICAL PRECAST CONCRETE WINGWALL 1B & 2B SECTION

SCALE 3/4" = 1'-0"

ADDENDUM NO. 1

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
1	09/04/19	REVISED GAS MAIN DETAILS	04.13.A1

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Plotted Date: 9/4/2019

DESIGNER/DRAFTER: PJ

CHECKED BY: PS

SCALE AS NOTED

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\SB_MSH_41_118_WW Section 1_A01.dgn

SIGNATURE/BLOCK:

GM2 ASSOCIATES, INC.
115 GLASTONBURY BLVD.
GLASTONBURY, CT 06033

PROJECT TITLE:

REPLACEMENT OF BRIDGE NO. 02018 ROUTE 66 OVER POCOTOPAUG CREEK

TOWN: **EAST HAMPTON**

DRAWING TITLE: **WINGWALL & BARRIER WALL DETAILS - 1**

PROJECT NO. **041-118**

DRAWING NO. **STR-13**

SHEET NO. **04.13.A1**