

DESIGN AND CODE INFORMATION:

1. ALL CONSTRUCTION SHALL CONFORM TO THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS.
2. VERIFY EXISTING CONDITIONS AND NOTIFY ENGINEER OF RECORD OF ANY CONDITIONS WHICH DO NOT COMPLY WITH PLANS AND SPECIFICATIONS.
3. THE DESIGN ADEQUACY, SAFETY OF ERECTION BRACING, SHORING, TEMPORARY SUPPORTS, ETC. IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
4. DESIGN LIVE LOADS: HL-93
5. THIS PROJECT CONTAINS A SERIES OF DETAILS CONSIDERED "TYPICAL DETAILS". THESE SHALL APPLY AT ALL SITUATIONS THAT ARE THE SAME OR SIMILAR AS THESE DETAILS. THESE "TYPICAL DETAILS" SHALL APPLY WHETHER OR NOT THEY ARE INDICATED OR CUT AT EACH LOCATION.
6. USE OF STRUCTURAL DRAWINGS FOR SHOP DRAWINGS IS NOT PERMITTED. CONTRACTOR TO REVIEW AND STAMP DRAWINGS ACCORDINGLY PRIOR TO SUBMITTING TO THE ENGINEER. THE OMISSION OF ITEMS FROM SHOP DRAWINGS SHALL NOT RELIEVE CONTRACTOR OF RESPONSIBILITY OF FURNISHING AND INSTALLING ITEMS REGARDLESS OF WHETHER SHOP DRAWINGS HAVE BEEN REVIEWED AND APPROVED.

FOUNDATION NOTES:

1. FOUNDATION DESIGN IS BASED UPON AN ASSUMED VALUE.
2. FOOTINGS ARE DESIGNED TO BEAR ON UNIFORM SOIL CAPABLE OF SUPPORTING 2000 PSF. A GEOTECHNICAL SHOULD BE PERFORMED TO DETERMINE ACTUAL SOIL PARAMETERS.
3. WHERE FOOTING EXCAVATIONS ARE TO REMAIN OPEN AND MAY BE EXPOSED TO RAINFALL, THE EXCAVATIONS SHALL BE UNDERCUT AND A 3" THICK MUD MAT OF 2000 PSI CONCRETE SHALL BE PLACED IN THE BOTTOM TO PROTECT THE BEARING SOILS.

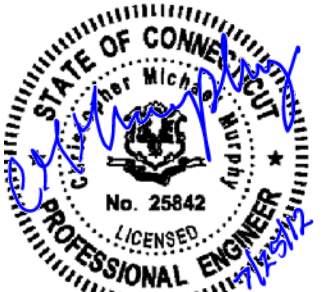
REINFORCED CONCRETE:

1. ALL CONCRETE WORK SHALL CONFORM TO THE "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE," (ACI 318, 08)
2. REINFORCING STEEL SHALL BE DEFORMED BARS ASTM A-615 (GRADE 60).
3. THE COMPRESSIVE STRENGTH AT 28 DAYS OF ALL CAST IN PLACE CONCRETE SHALL BE 4000 PSI (SEE CIVIL DRAWINGS FOR SITE CONCRETE) KEEP COPY OF CONCRETE TEST REPORTS ON SITE AT ALL TIMES.
4. LAP SPLICES FOR REINFORCING BARS SHALL BE 24" MINIMUM, UNLESS NOTED OTHERWISE.
5. CONCRETE COVER TO REINFORCING STEEL SHALL CONFORM TO THE MINIMUM COVER RECOMMENDATIONS IN ACI 318-08, UNLESS THE DRAWINGS SHOW GREATER COVER REQUIREMENTS.

PREPARED BY:



PREPARED FOR:



CHRISTOPHER M. MURPHY
CONNECTICUT #25842

DRAWN BY: MMG

CHECKED BY: SA

ENG APP'D: MGH

PROJECT NO:

SUBMITTALS		
DATE	DESCRIPTION	REV
07/25/12	DESIGN/FINAL	A

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SITE NAME:

BRIDGEWATER

SITE ADDRESS:

**WEWAKA BROOK ROAD
BRIDGEWATER, CT 06752**

SHEET TITLE

GENERAL NOTES

SHEET NUMBER

N-1



DRAWN BY: MMG
 CHECKED BY: SA
 ENG APP'D: MGH
 PROJECT NO:

SUBMITTALS		
DATE	DESCRIPTION	REV
07/25/12	DESIGN/FINAL	A

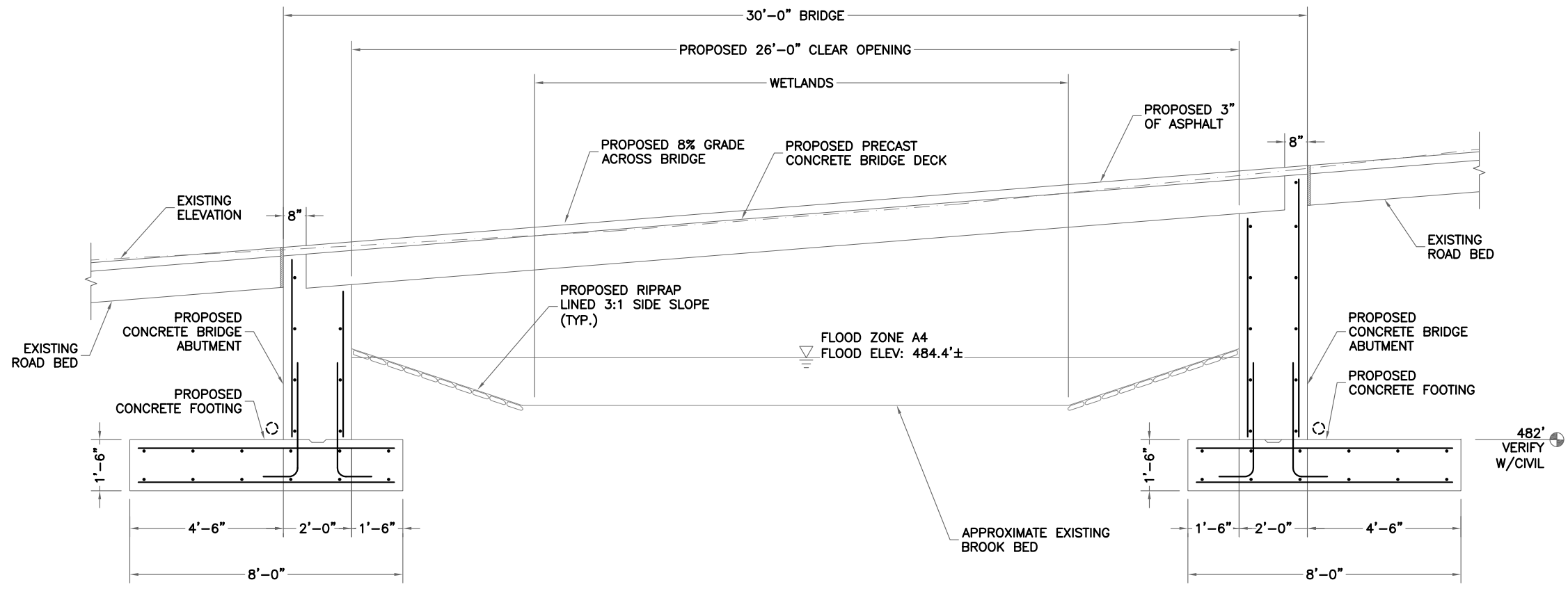
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SITE NAME:
BRIDGEWATER

SITE ADDRESS:
**WEWAKA BROOK ROAD
 BRIDGEWATER, CT 06752**

SHEET TITLE
BRIDGE ELEVATION

SHEET NUMBER
S-1



SUBMITTALS		
DATE	DESCRIPTION	REV
07/25/12	DESIGN/FINAL	A

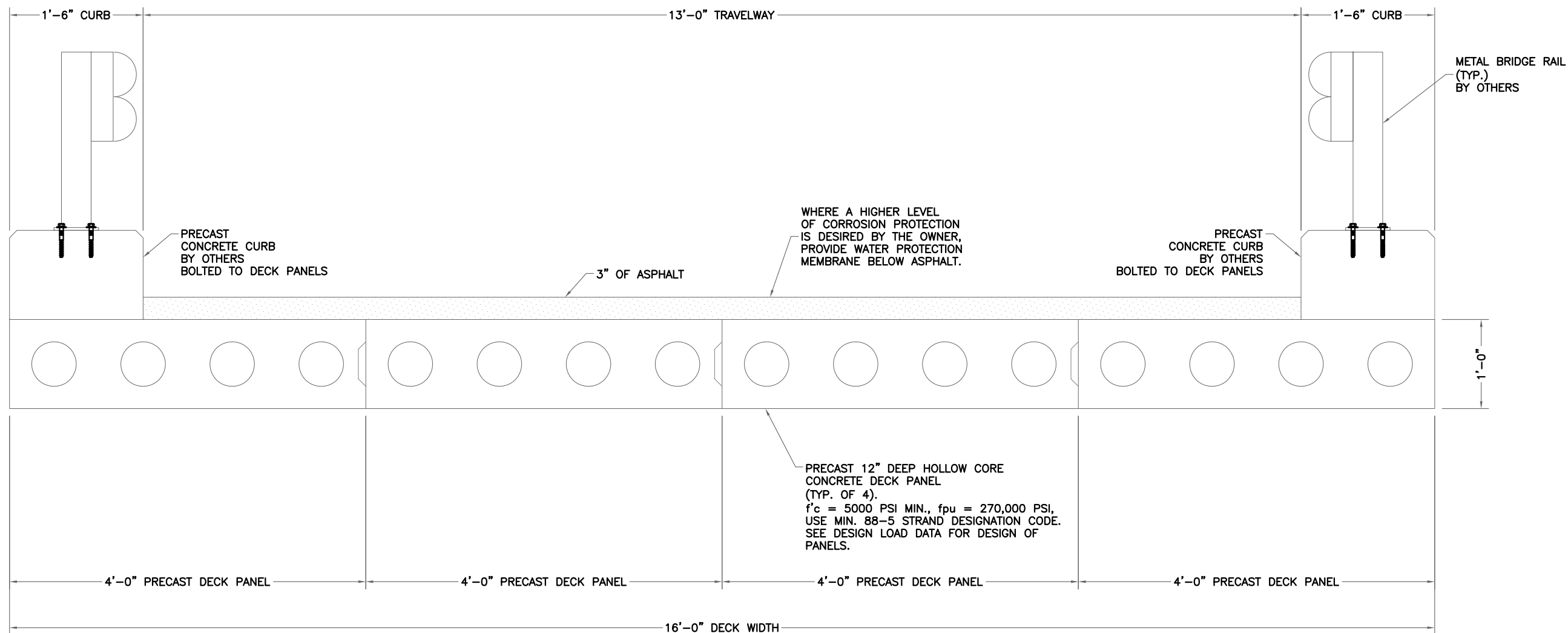
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SITE NAME:
BRIDGEWATER

SITE ADDRESS:
**WEWAKA BROOK ROAD
 BRIDGEWATER, CT 06752**

SHEET TITLE
DECK ELEVATION

SHEET NUMBER
S-2



DESIGN LOAD DATA

THE PRECAST DECK SYSTEM SHALL BE DESIGNED FOR HL-93 LOADING PER AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS. THE GOVERNING LOAD COMBINATION WILL INCLUDE THE FOLLOWING LOADS:

- DESIGN TANDEM - PAIR OF 25.0K AXLES SPACED 4FT APART.
- DESIGN LANE LOAD - UNIFORMLY DISTRIBUTED LOAD OF 0.64KLF

THE PRECAST DECK SYSTEM SHALL BE DESIGNED TO WITHSTAND THE FOLLOWING SUPERIMPOSED ULTIMATE LOADS (DEAD LOADS NOT INCLUDED):

$M_u = 900$ K*FT
 $V_u = 110$ K

NOTES:

1. PRECAST DESIGNER SHALL DESIGN DECK PANEL AND CONNECTIONS FOR THE DESIGN LOAD DATA PROVIDED.
2. PRECAST DESIGNER TO PROVIDE SHOP DRAWINGS FOR REVIEW.



DRAWN BY: MMG
 CHECKED BY: SA
 ENG APP'VD: MGH
 PROJECT NO:

SUBMITTALS		
DATE	DESCRIPTION	REV
07/25/12	DESIGN/FINAL	A

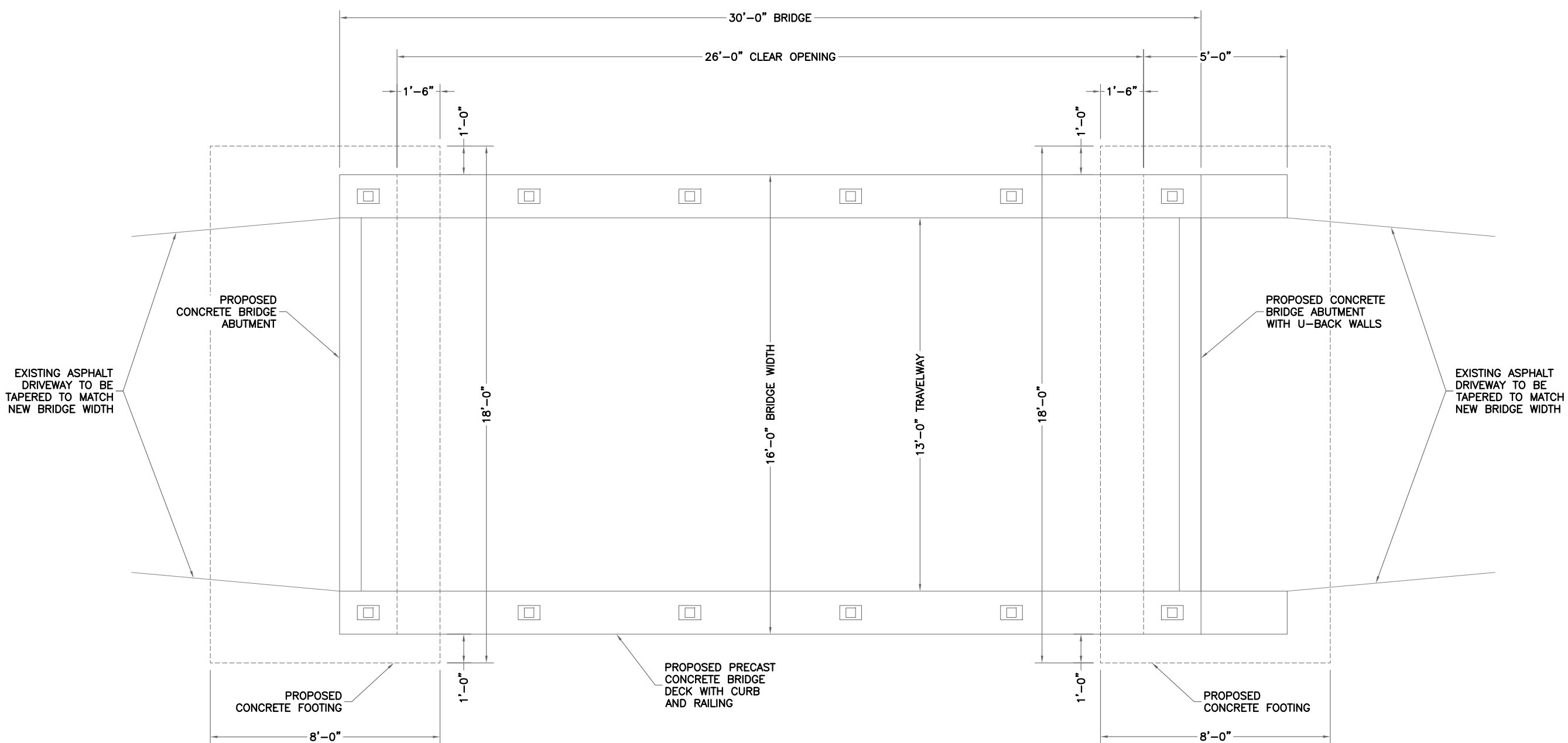
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SITE NAME:
BRIDGEWATER

SITE ADDRESS:
 WEWAKA BROOK ROAD
 BRIDGEWATER, CT 06752

SHEET TITLE
 PLAN LAYOUT

SHEET NUMBER
S-3



*INDIVIDUAL PLANKS NOT SHOWN FOR CLARITY.



DRAWN BY: MMG
 CHECKED BY: SA
 ENG APP'D: MGH
 PROJECT NO:

SUBMITTALS		
DATE	DESCRIPTION	REV
07/25/12	DESIGN/FINAL	A

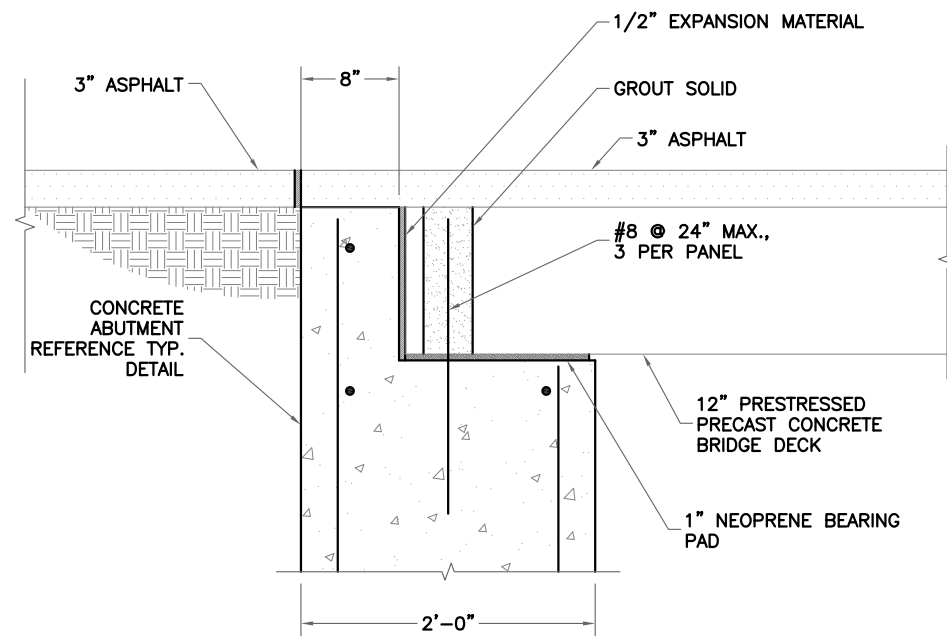
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BRIDGEWATER

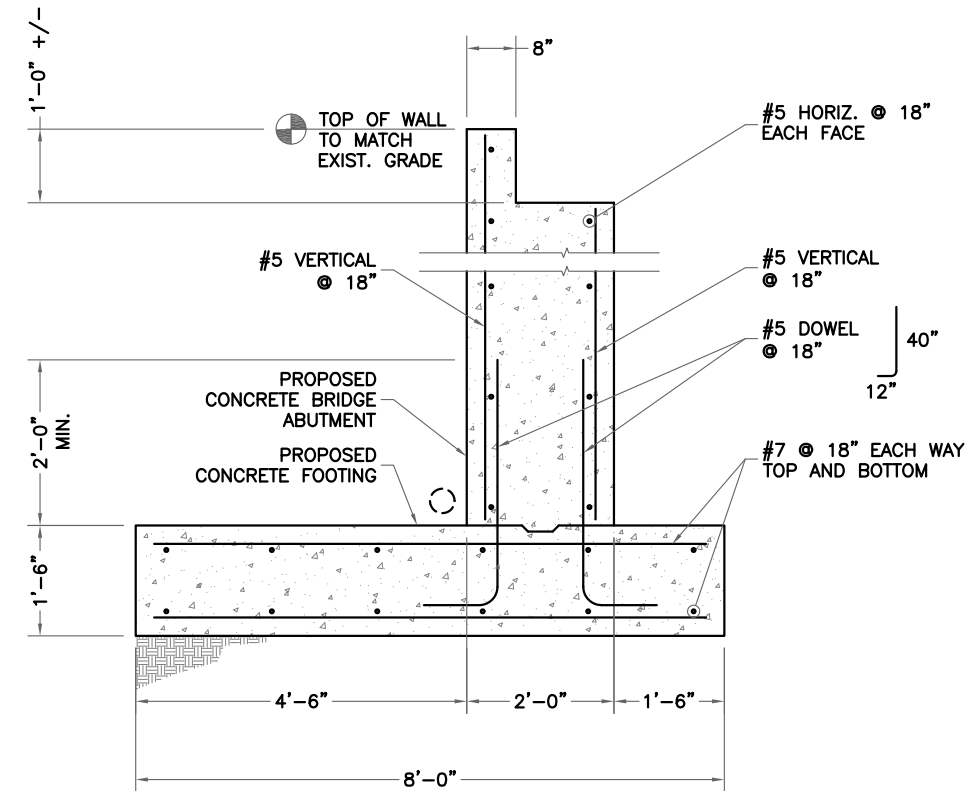
SITE ADDRESS:
**WEWAKA BROOK ROAD
 BRIDGEWATER, CT 06752**

SHEET TITLE
TYPICAL DETAILS

SHEET NUMBER
S-4



TYP. DECK TO ABUTMENT DETAIL



TYP. ABUTMENT DETAIL

NOTE:
 PRECAST ABUTMENT AND FOOTING OPTION IS ACCEPTABLE IF PRECAST SHOP DRAWINGS ARE PROVIDED TO FDH FOR REVIEW.