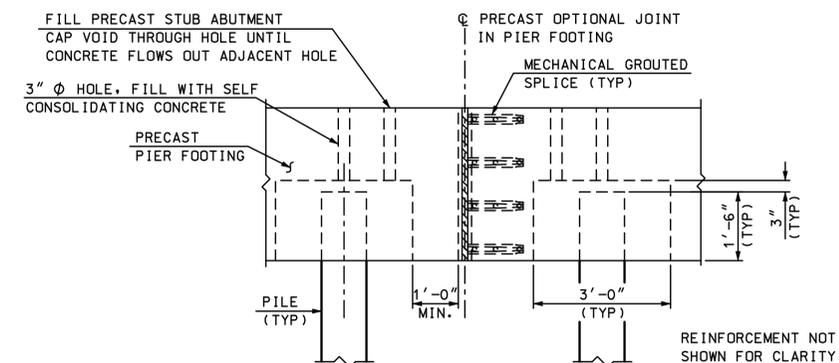
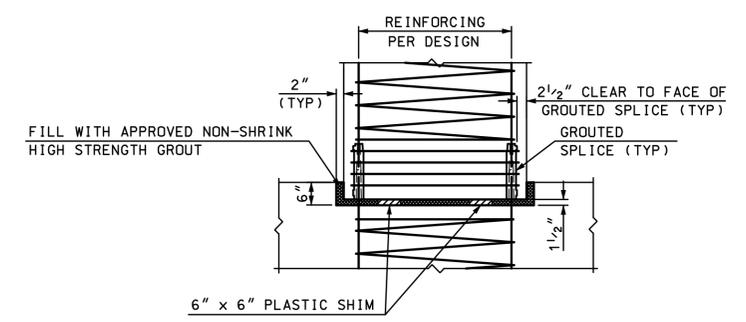


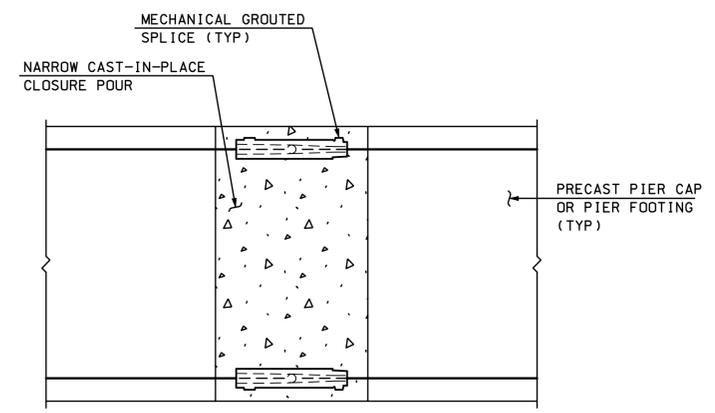
COLUMN TO CAP CONNECTION ELEVATION
SCALE: 1/2" = 1'-0"



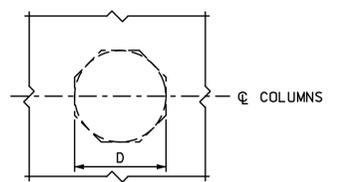
PIER FOOTING ELEVATION
SCALE: 1/2" = 1'-0"



COLUMN TO FOOTING CONNECTION ELEVATION
SCALE: 1/2" = 1'-0"



OPTIONAL CAST-IN-PLACE CLOSURE POUR
SCALE: 1" = 1'-0"



PRECAST COLUMNS SHALL HAVE DIMENSION "D" EQUAL TO CIRCULAR PRECAST COLUMN DIAMETER (TYP)

ALTERNATIVE COLUMN CONFIGURATIONS PLAN
SCALE: 1/4" = 1'-0"

GENERAL PIER NOTES

- APPROVED SHOP DRAWINGS SHALL BE SUBMITTED TO THE BUREAU OF BRIDGE DESIGN FOR DOCUMENTATION AND SHALL INCLUDE AN ASSEMBLY PLAN WITH TEMPORARY BRACING REQUIREMENTS. SEE ADDITIONAL REQUIREMENTS IN SPECIAL PROVISIONS.
- JOINTS IN PRECAST MEMBERS MAY BE INTRODUCED IF REQUIRED. ALL JOINTS SHALL BE CLEARLY INDICATED ON THE SHOP DRAWINGS AND SHALL UTILIZE THE OPTIONAL JOINT DETAILS SHOWN ON THIS SHEET UNLESS OTHERWISE APPROVED BY THE DEPARTMENT.
- TEMPORARY SUPPORTS SHALL BE REQUIRED IF THE STRUCTURE IS LOADED PRIOR TO FULL MOMENT CAPACITY BETWEEN THE FOOTING AND COLUMN, AND COLUMN AND CAP IS ACHIEVED. ALL DETAILS SHALL BE INCLUDED IN THE SHOP DRAWINGS AND ASSEMBLY PLAN.
- ONE ASSEMBLY PLAN SHALL DOCUMENT ALL ASPECTS OF THE BRIDGE SYSTEM. THE BRIDGE SYSTEM INCLUDES ALL GROUT, AND PRECAST ELEMENTS. THE ASSEMBLY PLAN SHALL BE STAMPED BY A LICENSED PROFESSIONAL ENGINEER AND SUBMITTED TO THE BUREAU OF BRIDGE DESIGN FOR APPROVAL. THE ENGINEER OF RECORD FOR THE ENTIRE ASSEMBLY PLAN SHALL BE CLEARLY INDICATED. ALL SUPPLEMENTAL CALCULATIONS SHALL BE INCLUDED IN THE SUBMITTAL.
- MECHANICAL GROUTED SPLICES SHALL BE USED TO PROVIDE MOMENT CONNECTIONS BETWEEN PRECAST ELEMENTS. GROUTED SPLICES SHALL DEVELOP A MINIMUM OF 125% OF THE SPECIFIED YIELD STRENGTH OF THE REINFORCING BAR BEING SPLICED. GROUT PORTS SHALL BE ON THE BACK FACE OF ELEMENTS (HIDDEN FROM VIEW) WHENEVER POSSIBLE.
- NO VERTICAL JOINTS SHALL BE ALLOWED IN THE BEAM SEAT OR WITHIN 1'-6" BEYOND EDGE OF BEAM SEAT. VERTICAL JOINTS BETWEEN BEAM SEATS SHALL BE HALFWAY BETWEEN BEAM SEATS TO THE EXTENT PRACTICABLE AND SHALL NOT BE OVER PIER COLUMNS.
- THE PROPOSED TEMPORARY SUPPORT LOCATIONS FOR THE PRECAST CAPS AND FOOTINGS SHALL BE INCLUDED IN THE SHOP DRAWINGS AND ASSEMBLY PLAN.
- GROUT SHALL MEET THE REQUIREMENTS OF 528.2.9.1 AND HAVE A MINIMUM STRENGTH OF THE CAST-IN-PLACE CONCRETE THAT IS BEING REPLACED.
- SEE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION.

PIER REINFORCING NOTES

- ALL REINFORCEMENT SHALL HAVE A MINIMUM CLEAR COVER OF 2 1/2". MECHANICAL GROUTED SPLICES SHALL HAVE A MINIMUM 1 1/2" CLEAR COVER FROM CONCRETE SURFACES UNLESS DETAILED OTHERWISE. ACTUAL CLEAR COVER TO REINFORCEMENT SHALL BE DETAILED ON THE SHOP DRAWINGS.
- REINFORCING IN OPPOSING FACES OF MEMBERS SHALL BE ALIGNED.
- PLACE REINFORCING TO AVOID PILES.

| STATE OF NEW HAMPSHIRE | | | | | | | | | |
|--|-----------------|-------------|------|---------------------|-----|-----------|-----|--------------|--------------|
| DEPARTMENT OF TRANSPORTATION * BUREAU OF BRIDGE DESIGN | | | | | | | | | |
| TOWN | --- | BRIDGE NO. | --- | STATE PROJECT | --- | | | | |
| LOCATION | --- | | | | | | | | |
| PRECAST OPTION SUBSTRUCTURE DETAILS (PIER) | | | | | | | | | BRIDGE SHEET |
| REVISIONS AFTER PROPOSAL | | BY | DATE | CHECKED | BY | DATE | --- | --- | OF --- |
| | | DESIGNED | --- | CHECKED | --- | --- | --- | --- | FILE NUMBER |
| | | DRAWN | --- | CHECKED | --- | --- | --- | --- | --- |
| | | QUANTITIES | --- | CHECKED | --- | --- | --- | --- | --- |
| | | ISSUE DATE | | FEDERAL PROJECT NO. | | SHEET NO. | | TOTAL SHEETS | |
| | | REV. DATE | | ----- | | --- | | --- | --- |
| SUBDIRECTORY | .DGN LOCATOR | SHEET SCALE | | | | | | | |
| BRD/Design-Build | DB-PRECAST-PIER | AS NOTED | | | | | | | |