NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION

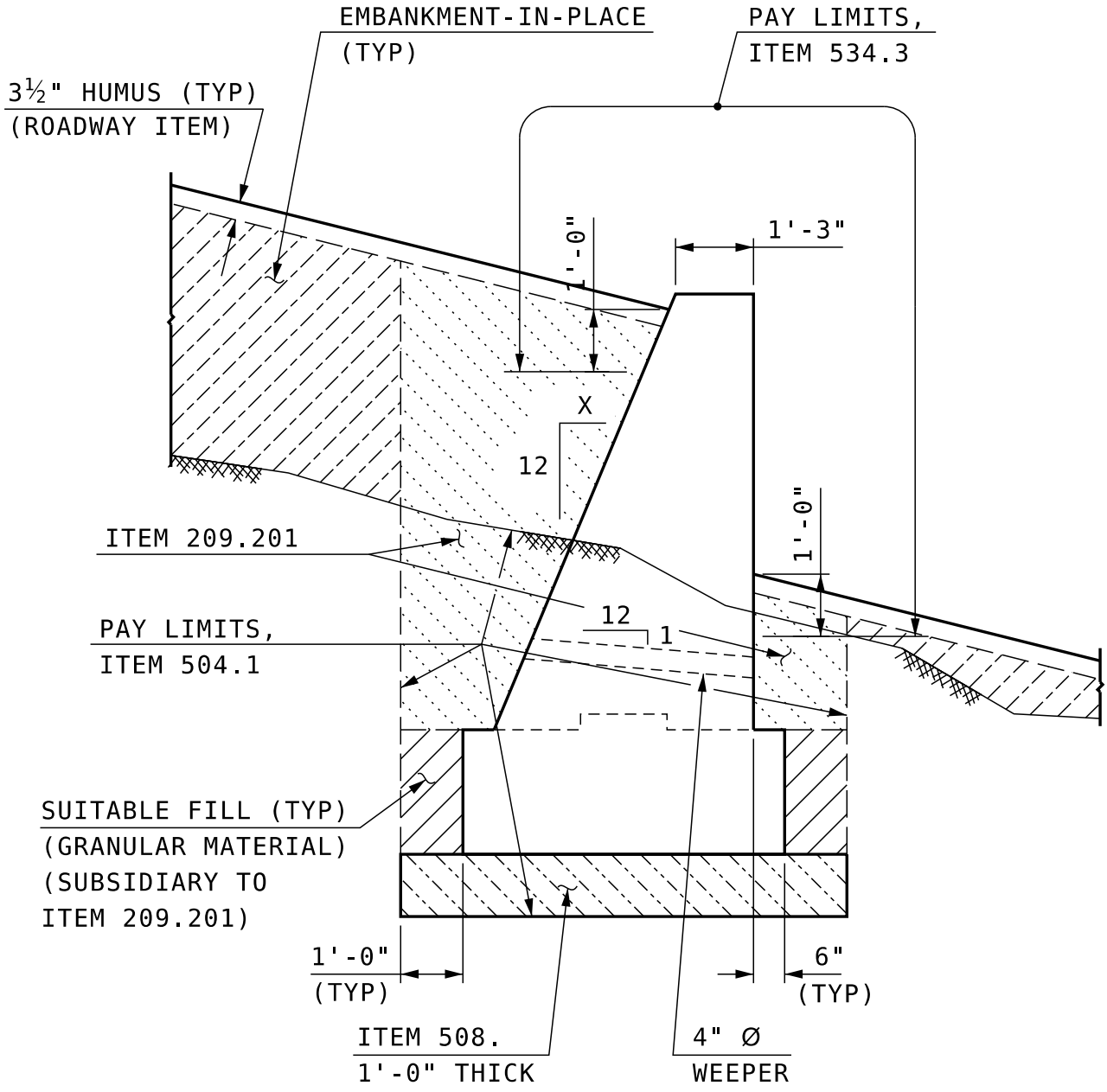
BUREAU OF BRIDGE DESIGN

DESCRIPTION:

SUBSTRUCTURE DETAILS -
TYPICAL GRAVITY WALL SECTION

DATE REVISED:

7/31/2023



GRAVITY RETAINING WALL

MODIFY TO FIT PROJECT

NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION

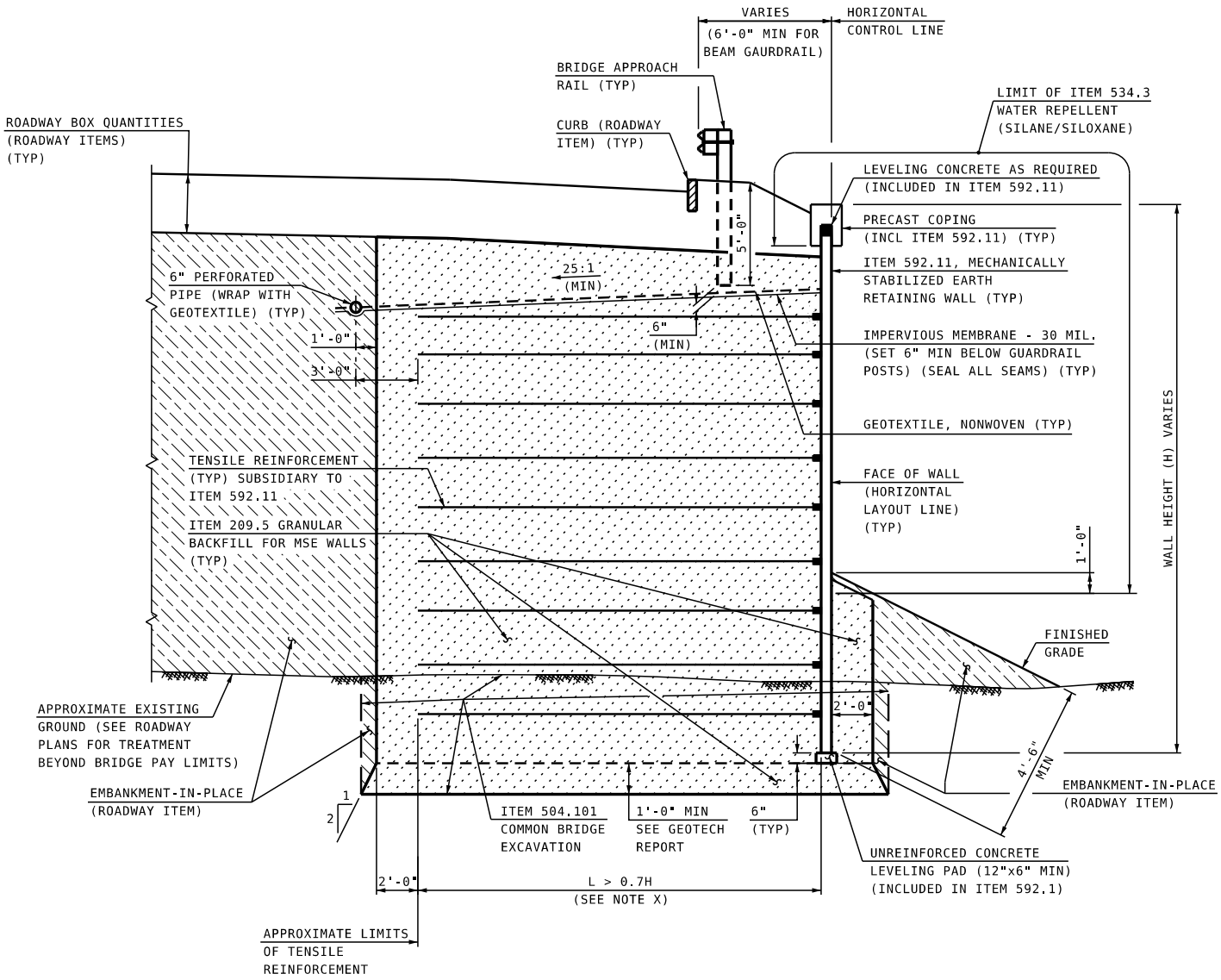
BUREAU OF BRIDGE DESIGN

DESCRIPTION:

MSE WALL -
TYPICAL SECTION

DATE REVISED:

7/31/2023



TYPICAL MSE WALL SECTION

(NOTE: FOUNDATION SHALL BE SHOWN AS RECOMMENDED BY GEOTECHNICAL ENGINEER)

MODIFY TO FIT PROJECT

NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION

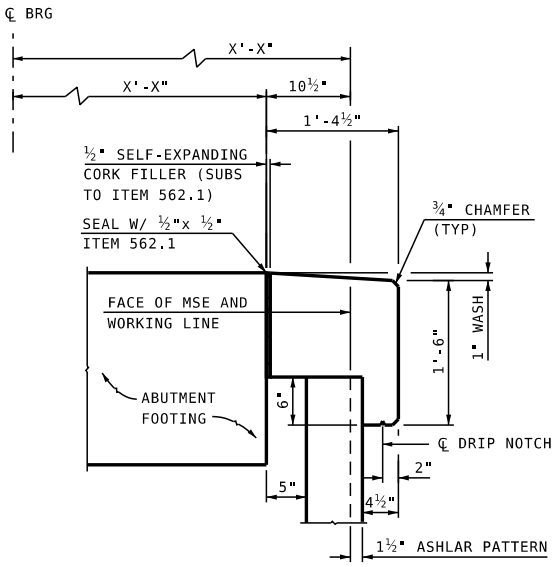
BUREAU OF BRIDGE DESIGN

DESCRIPTION:

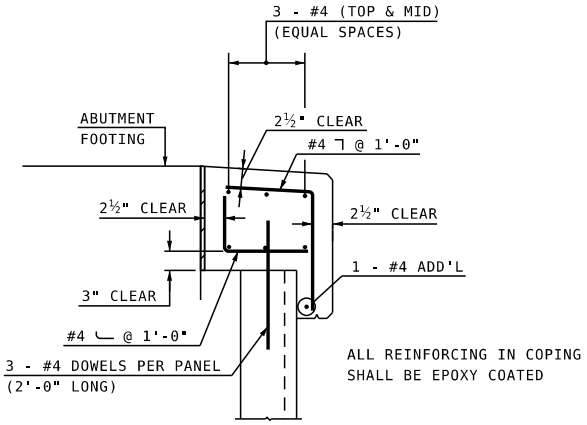
MSE WALL -
CAST-IN-PLACE COPING DETAIL

DATE REVISED:

7/31/2023

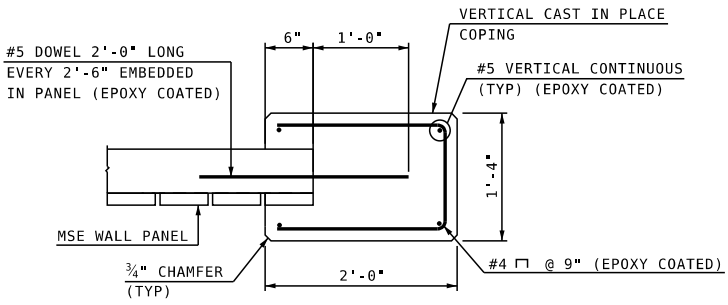


MASONRY

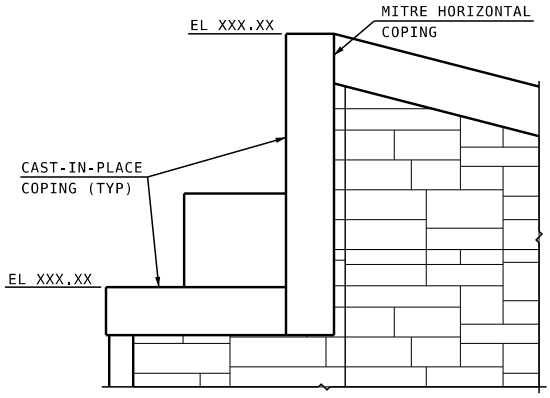


REINFORCEMENT

CAST IN PLACE COPING DETAIL



SECTION THRU VERTICAL CAST IN PLACE COPING



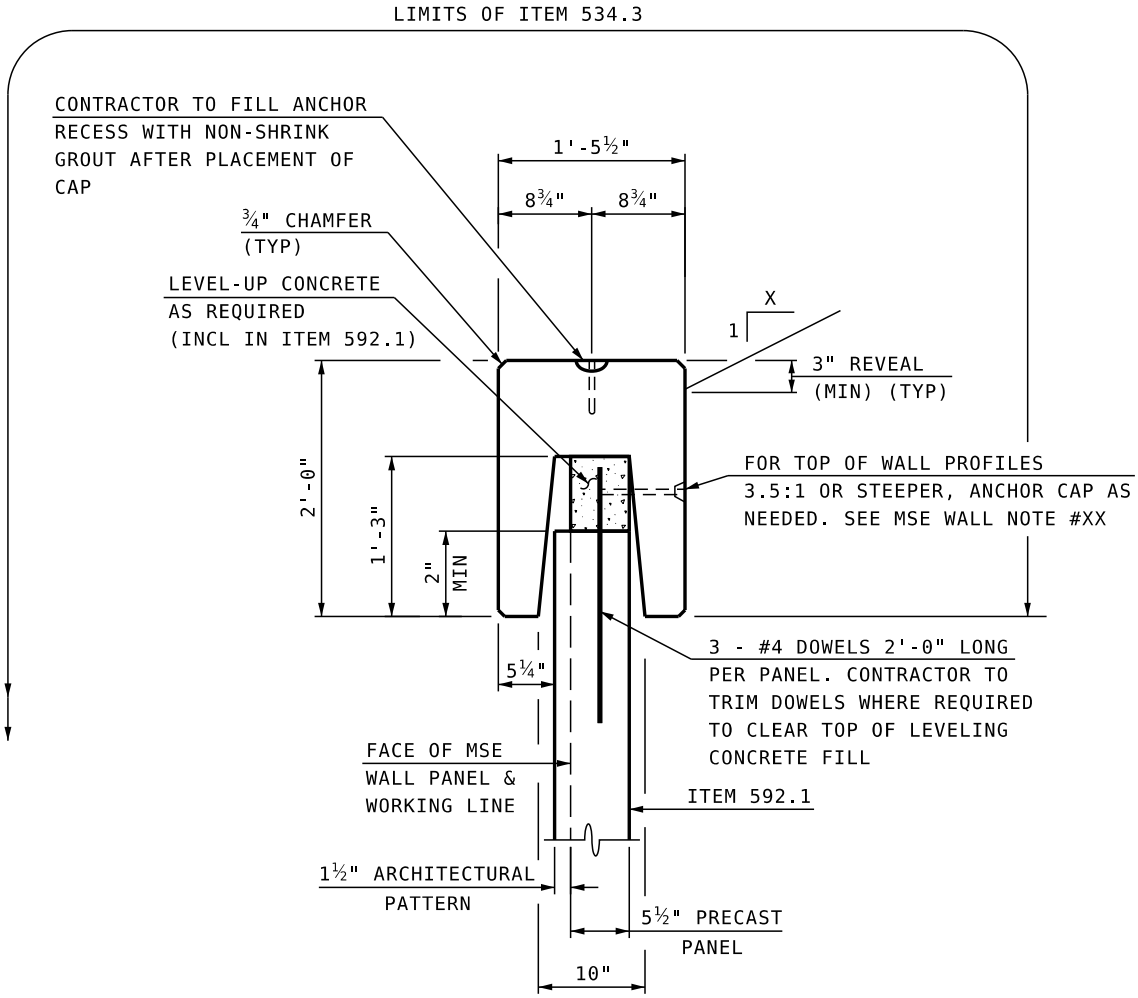
ELEVATION VIEW VERTICAL CAST IN PLACE COPING

MODIFY TO FIT PROJECT

NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION

BUREAU OF BRIDGE DESIGN

DESCRIPTION:	DATE REVISED:
MSE WALL - PRECAST COPING DETAIL	7/31/2023



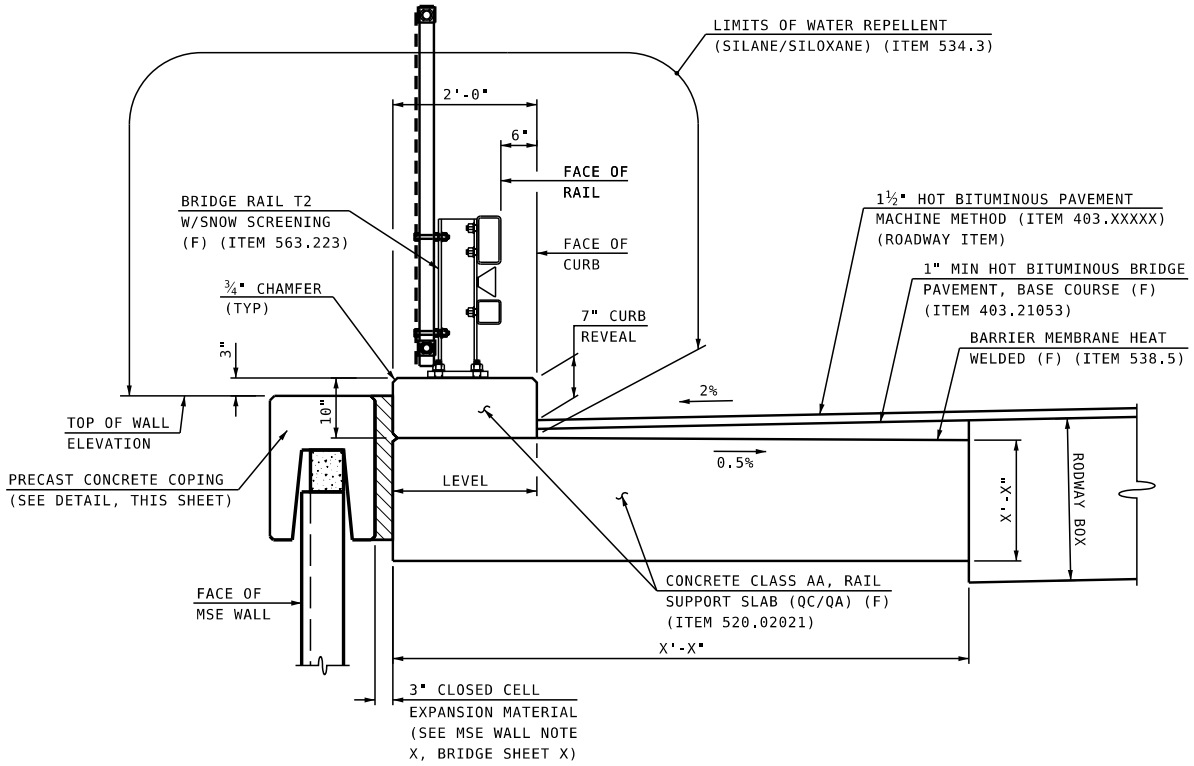
PRECAST CONCRETE COPING DETAIL

MODIFY TO FIT PROJECT

NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION

BUREAU OF BRIDGE DESIGN

DESCRIPTION:	DATE REVISED:
MSE WALL - MOMENT SLAB DETAIL	7/31/2023



RAIL SUPPORT SLAB DETAIL

MODIFY TO FIT PROJECT

NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION

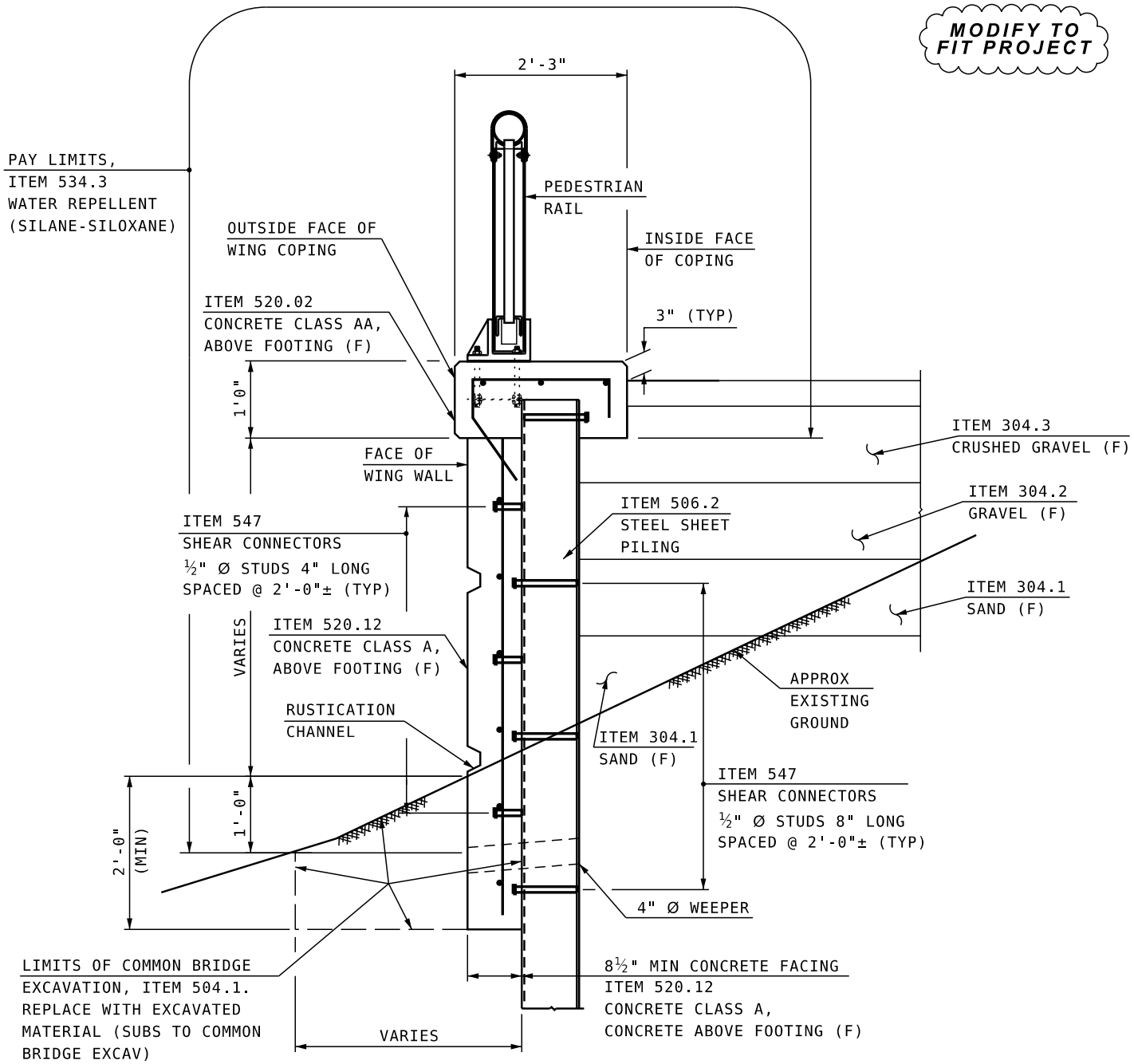
BUREAU OF BRIDGE DESIGN

DESCRIPTION:

SUBSTRUCTURE DETAILS -
SHEET PILE WALL W/ ARCHITECTURAL TREATMENT

DATE REVISED:

7/31/2023



SHEET PILE RETAINING WALL
WITH ARCHITECTURAL TREATMENT

NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION

BUREAU OF BRIDGE DESIGN

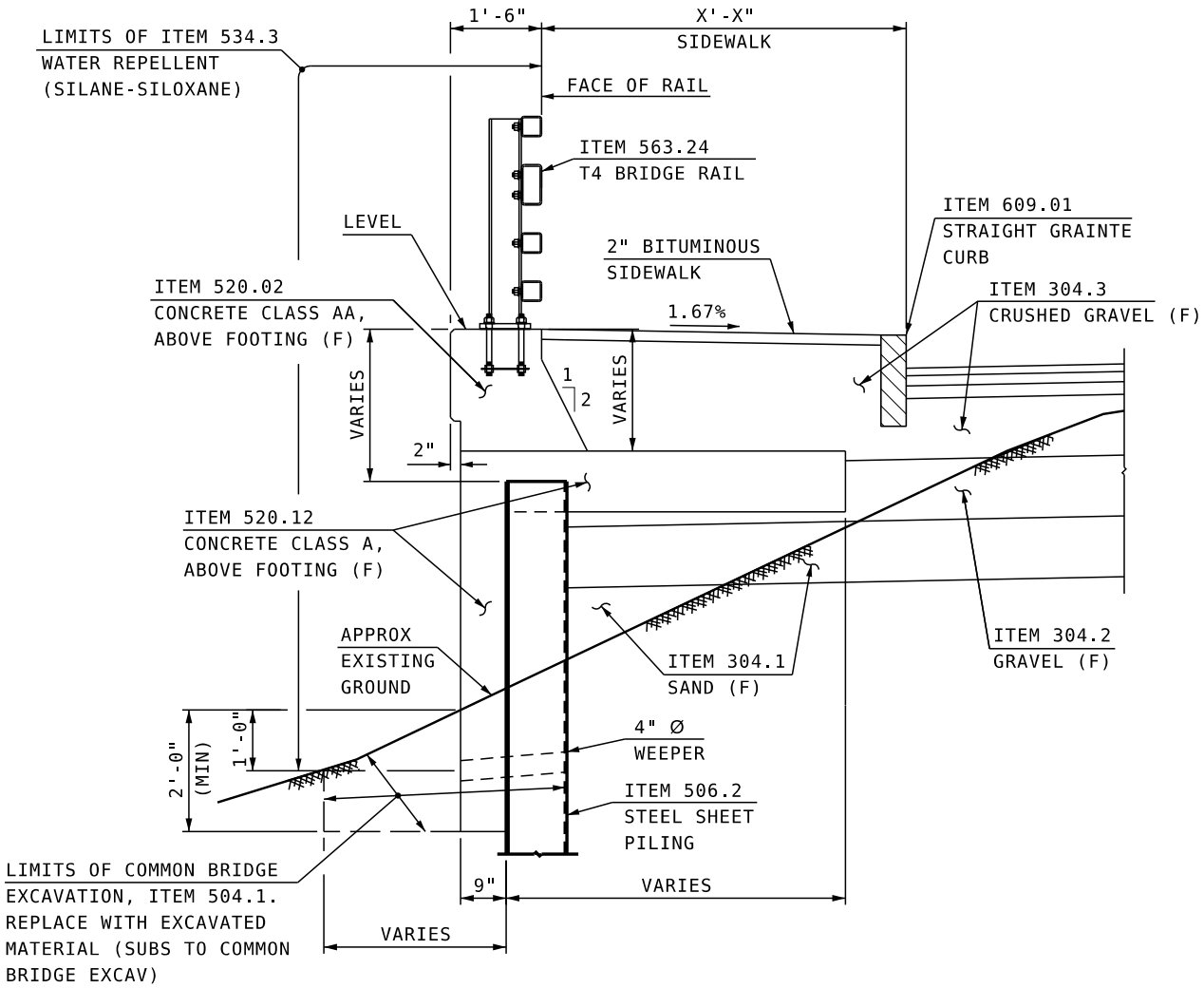
DESCRIPTION:

SUBSTRUCTURE DETAILS -
SHEET PILE WALL W/ MOMENT SLAB

DATE REVISED:

1/11/2023

MODIFY TO FIT PROJECT



SHEET PILE RETAINING WALL
WITH BRIDGE RAIL MOMENT SLAB

NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION

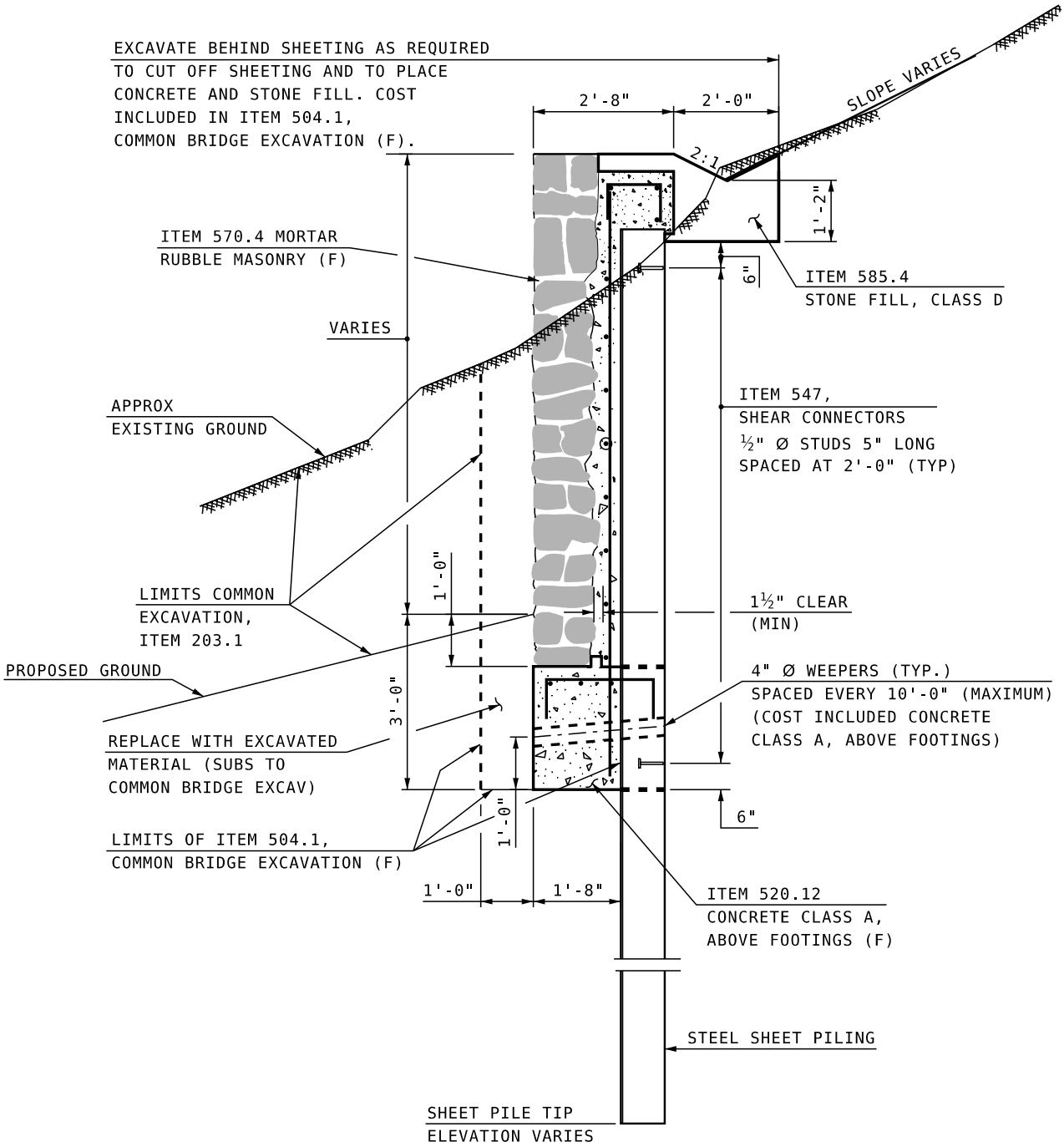
BUREAU OF BRIDGE DESIGN

DESCRIPTION:

SUBSTRUCTURE DETAILS - SHEET PILE WALL W/ STONE FACING

DATE REVISED:

7/31/2023



SHEET PILE RETAINING WALL

WITH STONE FACING

MODIFY TO FIT PROJECT