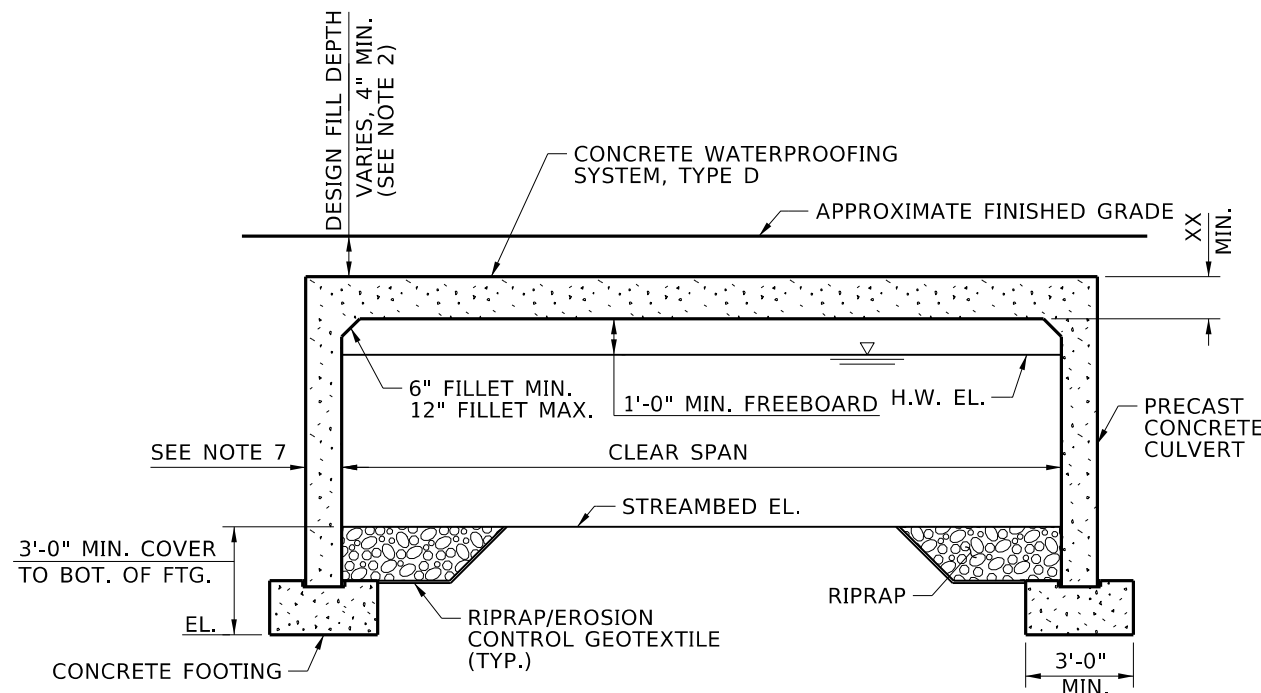


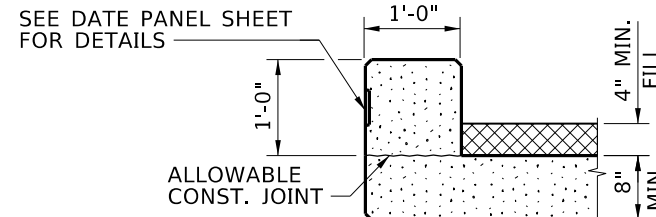
NOTES:

1. SEE SITUATION LAYOUT SHEET FOR CANAL INVERT AND WATER SURFACE ELEVATIONS AT INLET AND OUTLET OF CULVERT.
2. SEE SITUATION AND LAYOUT SHEET FOR ROADWAY HORIZONTAL ALIGNMENT AND PROFILE GRADE. COMPUTE DEPTH OF FILL FOR THE SELECTED PROPRIETARY PRECAST SYSTEM.
3. APPLY WATERPROOFING SYSTEM, TYPE D TO TOP SLAB FROM FACE OF CURB TO FACE OF CURB.
4. PROVIDE A PROPRIETARY PRECAST SYSTEM SELECTED FROM TYPICAL SECTION SHOWN OR APPROVED EQUAL AND INCLUDE DETAILS AS SHOWN BELOW OR APPROVED EQUAL.
5. PROVIDE EITHER CAST-IN-PLACE OR PRECAST CULVERT COMPONENTS SUCH AS FOOTINGS, EDGE BEAMS, AND WINGWALLS.
6. OFFSET JOINTS BETWEEN PRECAST FOOTING SECTIONS A MINIMUM OF 2' FROM PRECAST BARREL SECTION JOINTS. CONNECT PRECAST FOOTING SECTIONS BY SPLICING THE REINFORCEMENT WITHIN A CLOSURE POUR.
7. PROVIDE A MINIMUM BARREL WALL THICKNESS OF: 8" FOR SPANS < 24', 10" FOR SPANS ≥ 24'.
8. PROVIDE DIMENSIONAL TOLERANCES IN ACCORDANCE WITH ASTM C1504 SECTION 11.



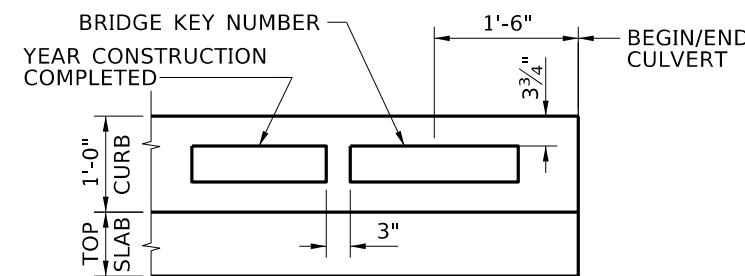
PRECAST TYPICAL SECTION

3/16" = 1'-0"



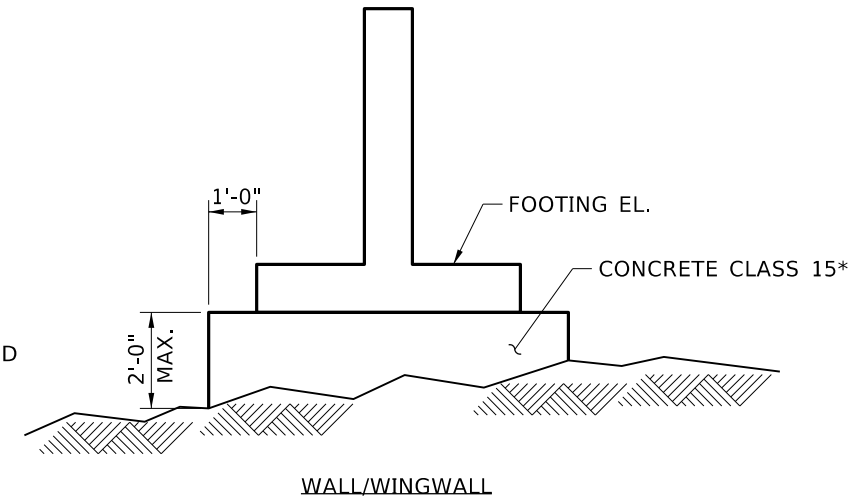
EDGE BEAM DETAIL

1" = 1'-0"



DATE PANEL ELEVATION

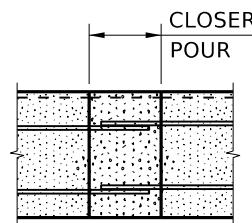
1" = 1'-0"



CONCRETE LEVELING COURSE DETAIL

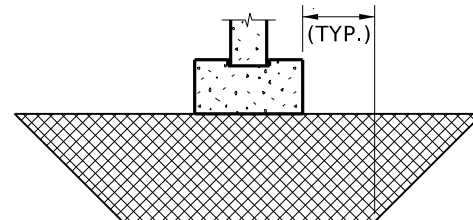
NTS

*QUANTITIES ARE BASED ON A 1'-0" THICKNESS. NOTIFY THE ENGINEER IF THE THICKNESS EXCEEDS 2'-0".



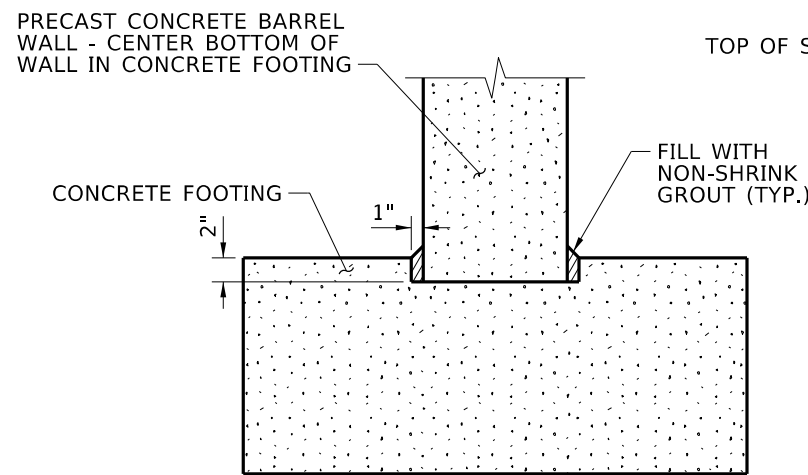
PRECAST FOOTING CLOSURE POUR

NTS



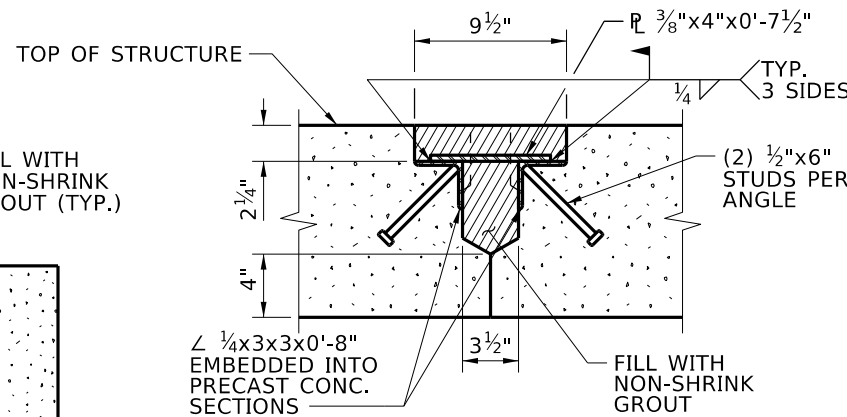
BACKFILL DETAIL

NTS



BARREL WALL/FOOTING CONNECTION

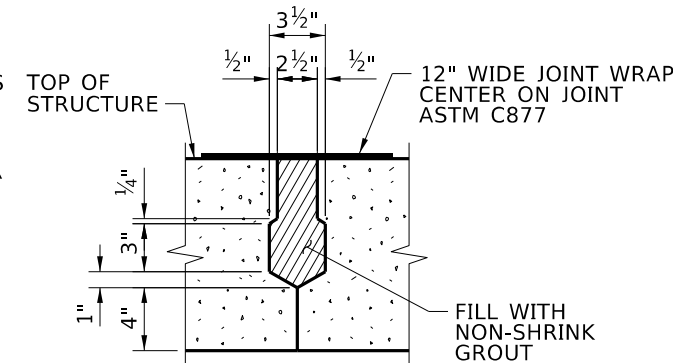
3/4" = 1'-0"



WELD CONNECTION

1" = 1'-0"

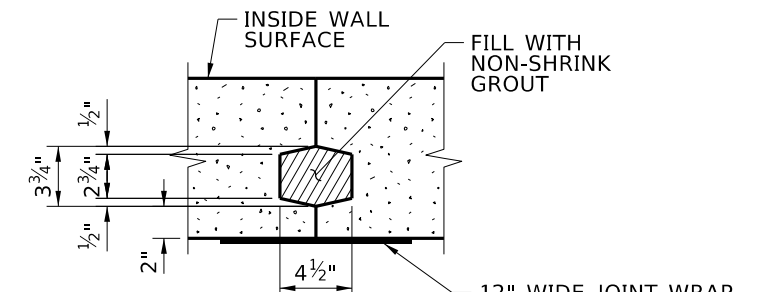
NOTE: PROVIDE A MINIMUM OF 2 WELD CONNECTIONS AT THE TOP SLAB JOINT OF EACH PRECAST SECTION (EACH SIDE)



SLAB JOINT

1" = 1'-0"

NOTE: TYPICAL AT SLAB JOINTS, FULL LENGTH



VERTICAL WALL JOINT

1" = 1'-0"

NOTE: TYPICAL AT WALL JOINTS, FULL HEIGHT

REVISIONS			
NO.	DATE	BY	DESCRIPTION
▲			
▲			
▲			
▲			

DESIGNED
DESIGN CHECKED
DETAILED
DWG. CHECKED
CORRECTIONS

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME
Standards/Bridge Standard Drawings
B12_2.DGN
DRAWING DATE:
DEC 2024

IDAHO TRANSPORTATION DEPARTMENT

YOUR Safety → YOUR Mobility → YOUR Economic Opportunity

APPROVED BY: BRIDGE ENGINEER **MICHAEL T. JOHNSON** DATE: _____

ENGLISH
PROJECT NO.

PRECAST STIFFLEG CULVERT DETAILS
BRIDGE LRFD DDESIGN MANUAL, B12.2

BRIDGE PLANS	
BRIDGE KEY NO.	
COUNTY	KEY NO.
BRIDGE DWG. NO.	SHEET OF