

**PLAN**  
NOT TO SCALE

**NOTES:**

1. See Dwg. No. 3.1.12, Part II of this Bridge Manual, for additional pertinent information.
2. The Approach Slab Type I is shown. Modify the plan above as required for Type II and Type III approach slabs.



LRFD BRIDGE  
MANUAL, PART III

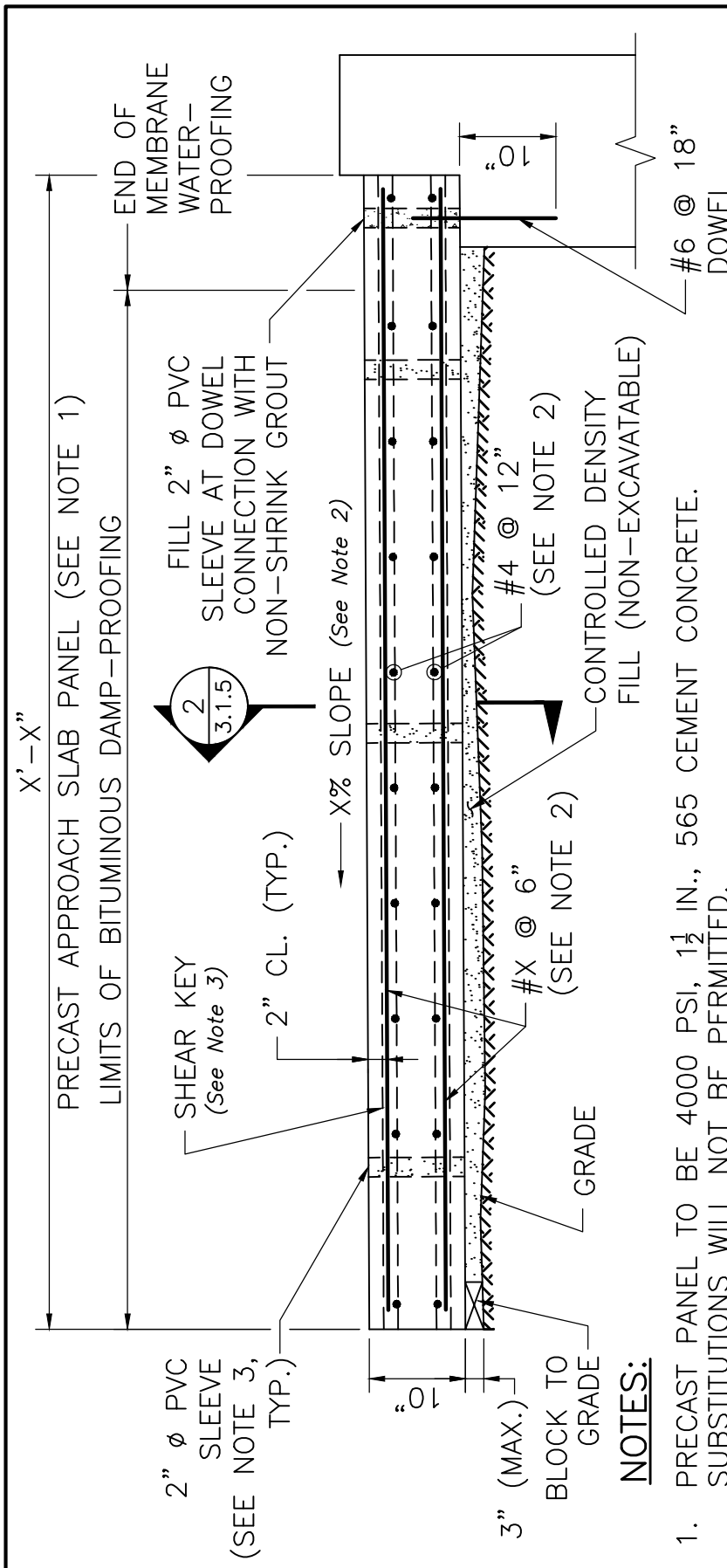
PLAN

PRECAST APPROACH SLABS

DATE OF ISSUE  
JUNE 2013

DRAWING NUMBER

**3.1.1**



**NOTES:**

1. PRECAST PANEL TO BE 4000 PSI, 1½ IN., 565 CEMENT CONCRETE. SUBSTITUTIONS WILL NOT BE PERMITTED.
2. PLACE LONGITUDINAL REINFORCEMENT (Specify orientation per Dwg. No. 3.1.12, Part II of this Bridge Manual) PLACE TRANSVERSE REINFORCEMENT PARALLEL TO ABUTMENT.
3. PVC SLEEVES TO BE INCLUDED IN PRECAST APPROACH SLABS TO FACILITATE PLACEMENT OF CONTROLLED DENSITY FILL (NON-EXCAVATABLE).

**SECTION 1  
TYPE I APPROACH SLAB**

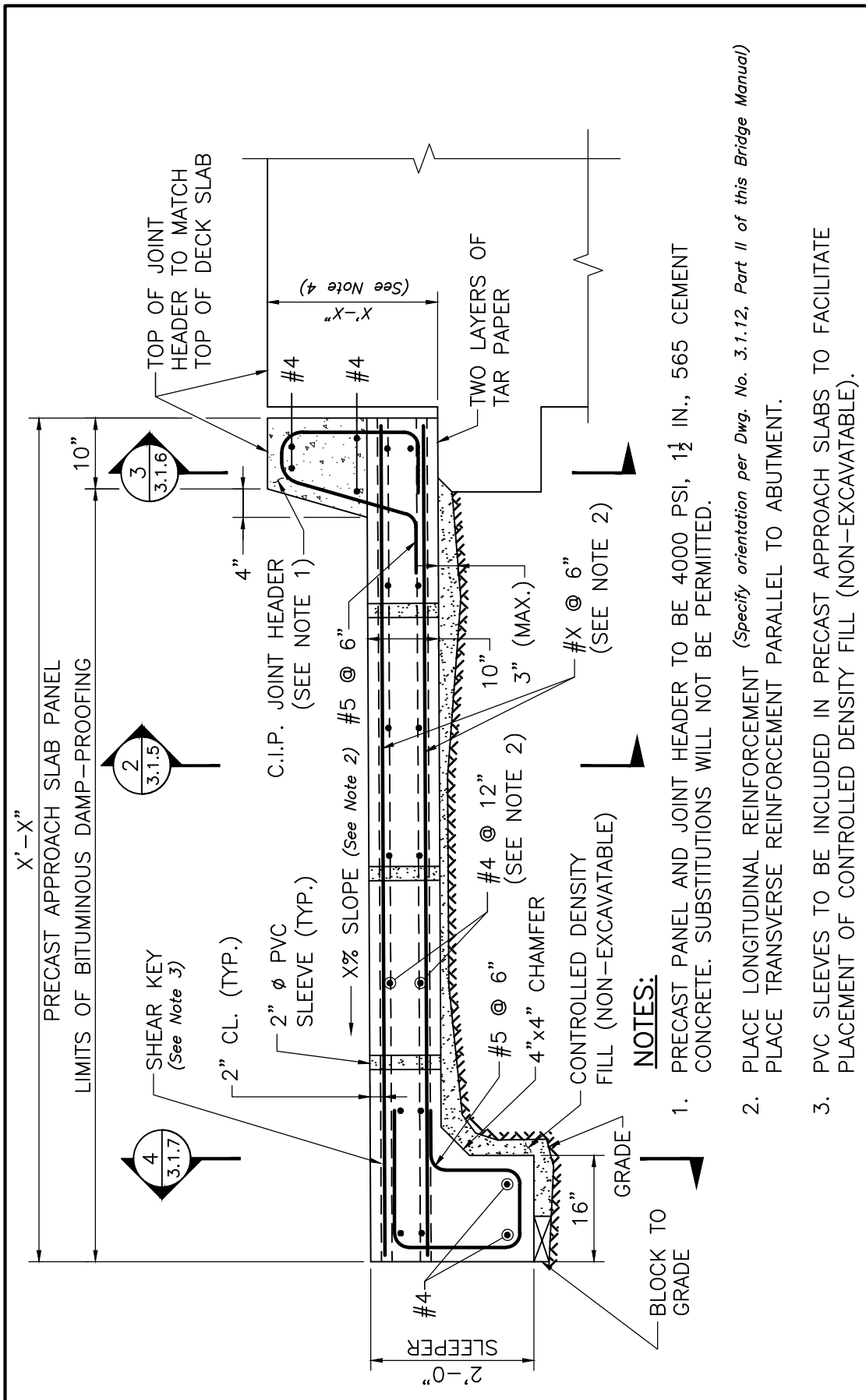
SCALE: ¾" = 1'-0"

**NOTES:**

1. See Roadway Section drawings for abutment details and dimensions not shown here.
2. If approach roadway slopes down and away from the abutment at greater than 2%, change slope of approach slab to approach roadway grade plus 1%, rounded up to the nearest 1%. Otherwise set slope at 2%.
3. For shear key details see Dwg. No.'s 3.1.5 thru 3.1.7.

LONGITUDINAL SECTION  
 TYPE II APPROACH SLAB  
 PRECAST APPROACH SLAB

DATE OF ISSUE  
 JUNE 2013  
 DRAWING NUMBER  
**3.1.3**



**NOTES:**

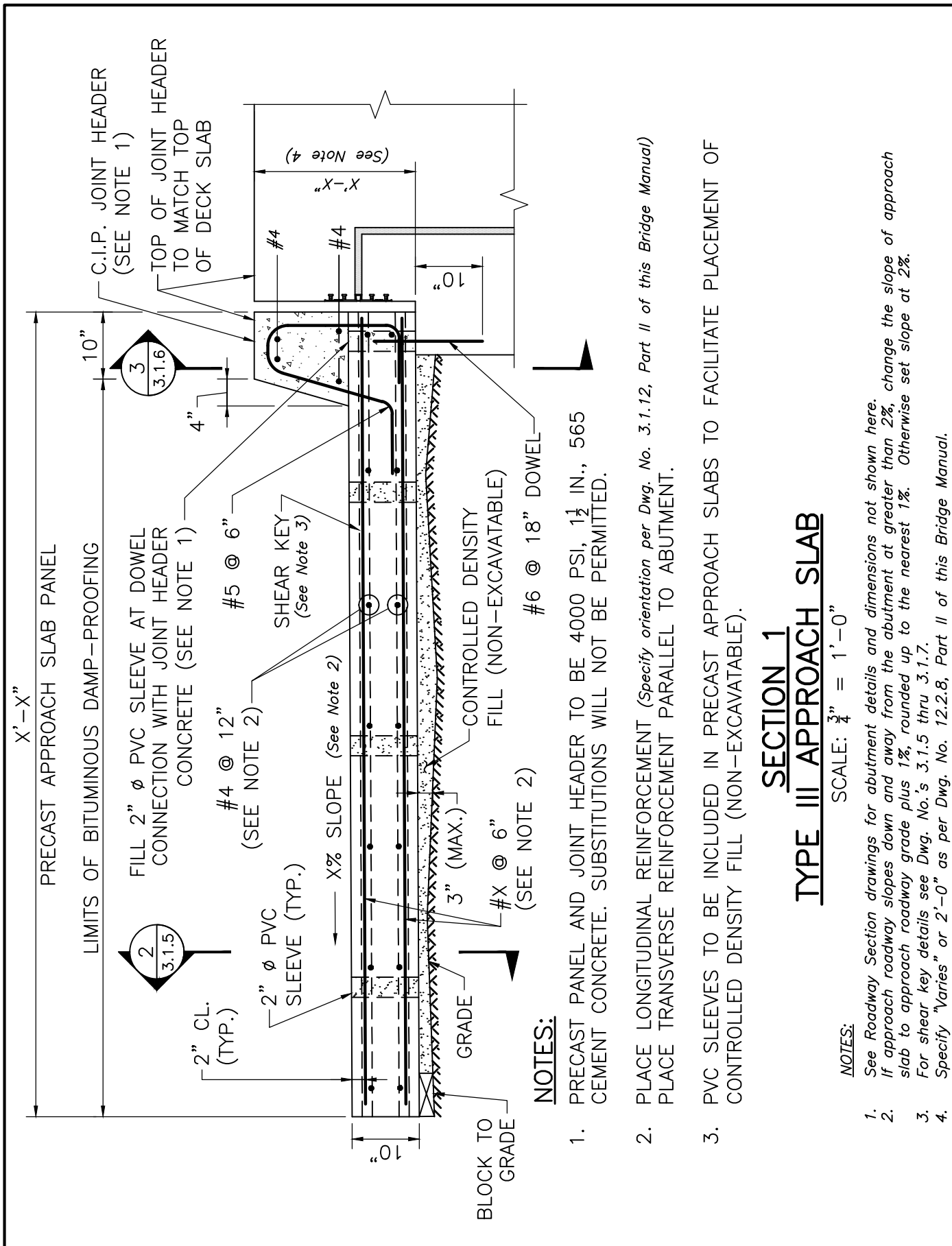
1. PRECAST PANEL AND JOINT HEADER TO BE 4000 PSI, 1½ IN., 565 CEMENT CONCRETE. SUBSTITUTIONS WILL NOT BE PERMITTED.
2. PLACE LONGITUDINAL REINFORCEMENT (Specify orientation per Dwg. No. 3.1.12, Part II of this Bridge Manual). PLACE TRANSVERSE REINFORCEMENT PARALLEL TO ABUTMENT.
3. PVC SLEEVES TO BE INCLUDED IN PRECAST APPROACH SLABS TO FACILITATE PLACEMENT OF CONTROLLED DENSITY FILL (NON-EXCAVATABLE).

**SECTION 1**  
**TYPE II APPROACH SLAB**

SCALE: ¾" = 1'-0"

**NOTES:**

1. See Roadway Section drawings for abutment details and dimensions not shown here.
2. If approach roadway slopes down and away from the abutment at greater than 2%, change slope of approach slab to approach roadway grade plus 1%, rounded up to the nearest 1%. Otherwise set slope at 2%.
3. For shear key details see Dwg. No.s 3.1.5 thru 3.1.7.
4. Specify "Varies" or 2'-0" as per Dwg. No. 12.2.8, Part II of this Bridge Manual.



**NOTES:**

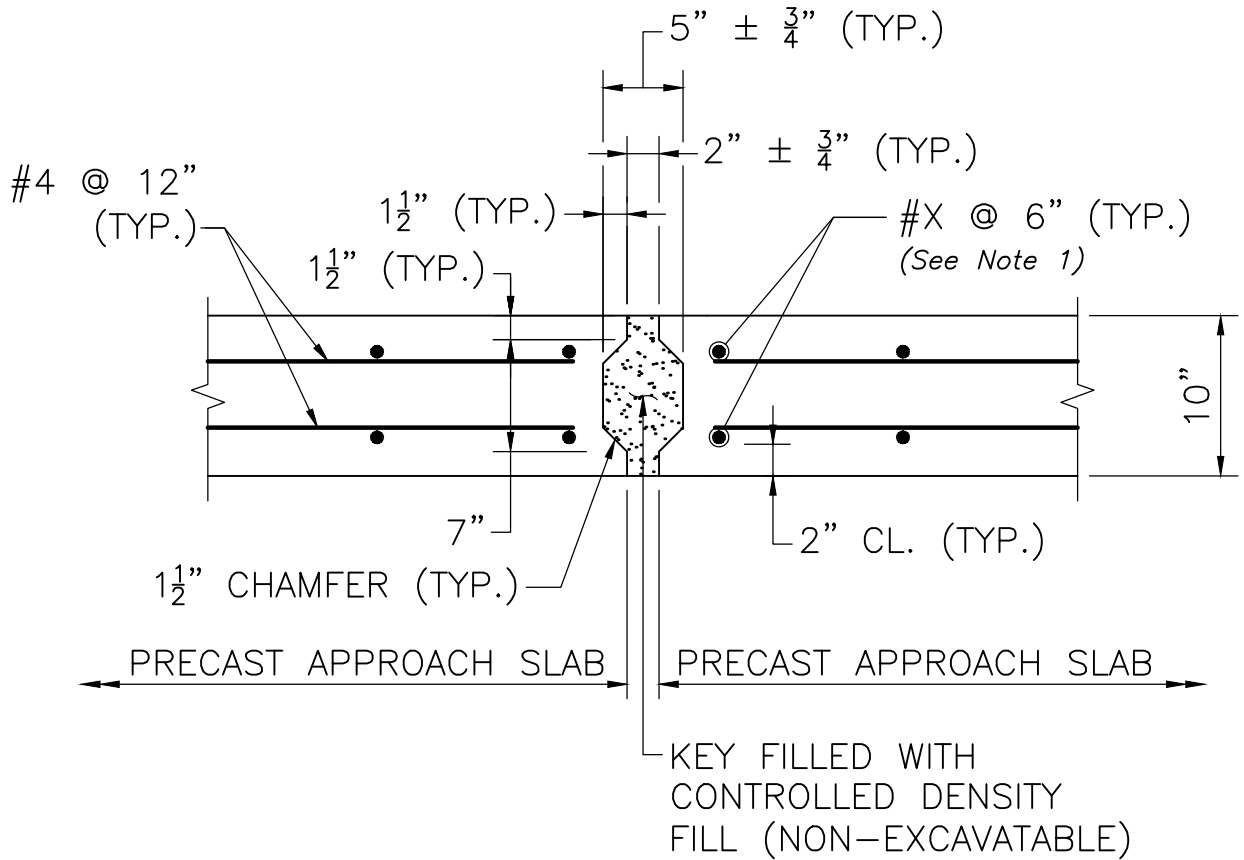
1. PRECAST PANEL AND JOINT HEADER TO BE 4000 PSI, 1½ IN., 565 CEMENT CONCRETE. SUBSTITUTIONS WILL NOT BE PERMITTED.
2. PLACE LONGITUDINAL REINFORCEMENT (Specify orientation per Dwg. No. 3.1.12, Part II of this Bridge Manual) PLACE TRANSVERSE REINFORCEMENT PARALLEL TO ABUTMENT.
3. PVC SLEEVES TO BE INCLUDED IN PRECAST APPROACH SLABS TO FACILITATE PLACEMENT OF CONTROLLED DENSITY FILL (NON-EXCAVATABLE).

**SECTION 1  
TYPE III APPROACH SLAB**

SCALE: ¾" = 1'-0"

**NOTES:**

1. See Roadway Section drawings for abutment details and dimensions not shown here.
2. If approach roadway slopes down and away from the abutment at greater than 2%, change the slope of approach slab to approach roadway grade plus 1%, rounded up to the nearest 1%. Otherwise set slope at 2%.
3. For shear key details see Dwg. No.'s 3.1.5 thru 3.1.7.
4. Specify "Varies" or 2'-0" as per Dwg. No. 12.2.8, Part II of this Bridge Manual.



## SECTION 2

SCALE:  $\frac{3}{4}$ " = 1'-0"

**NOTE:**

See Designer Notes 1 and 2 on Dwg. No. 3.1.12, Part II of this Bridge Manual.



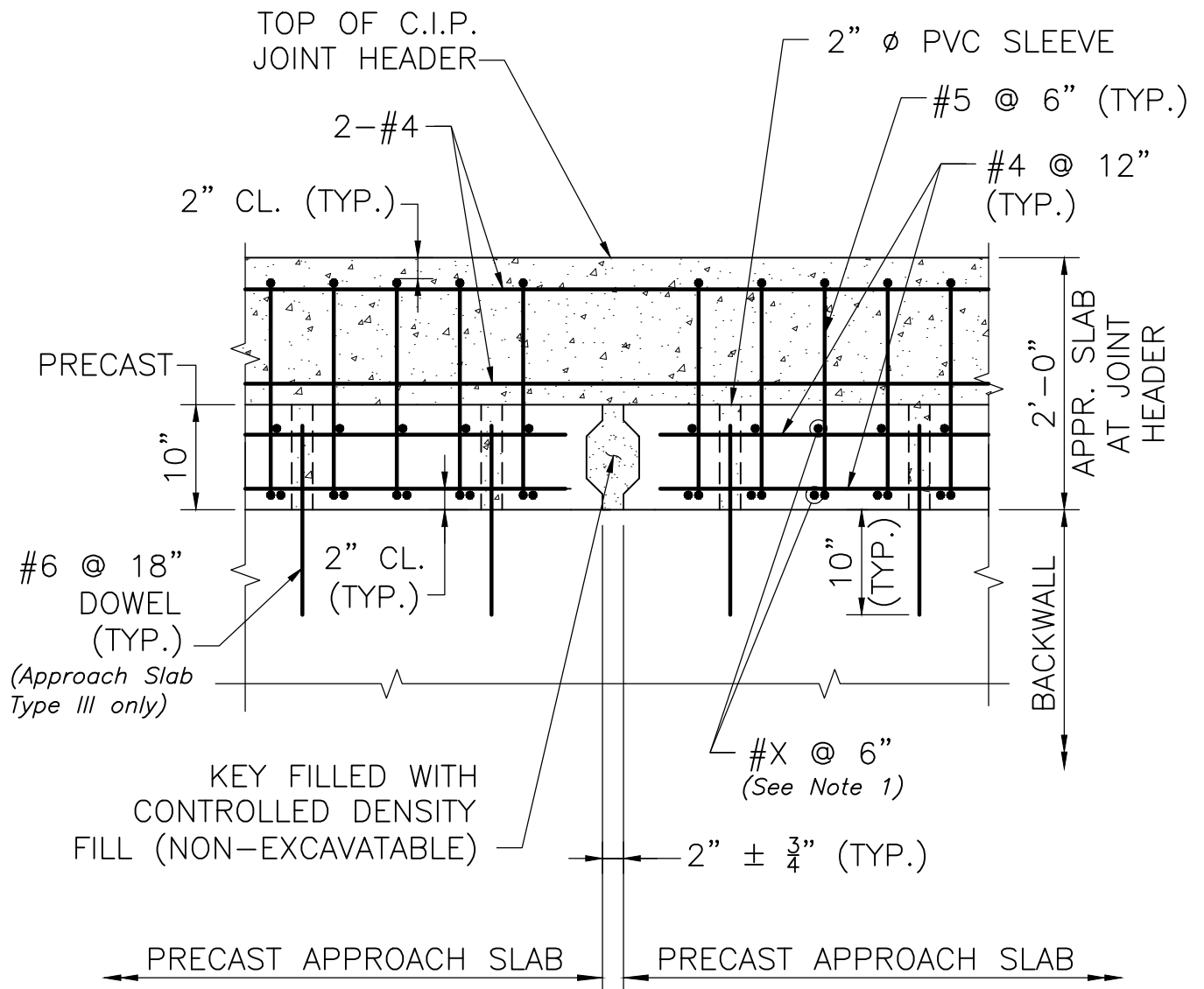
LRFD BRIDGE  
MANUAL, PART III

TYPICAL TRANSVERSE SECTION  
TYPE I, II AND III APPROACH SLABS  
PRECAST APPROACH SLABS

DATE OF ISSUE  
JUNE 2013

DRAWING NUMBER

**3.1.5**



### SECTION 3

SCALE:  $\frac{3}{4}$ " = 1'-0"

**NOTE:**

See Designer Notes 1 and 2 on Dwg. No. 3.1.12, Part II of this Bridge Manual.



LRFD BRIDGE

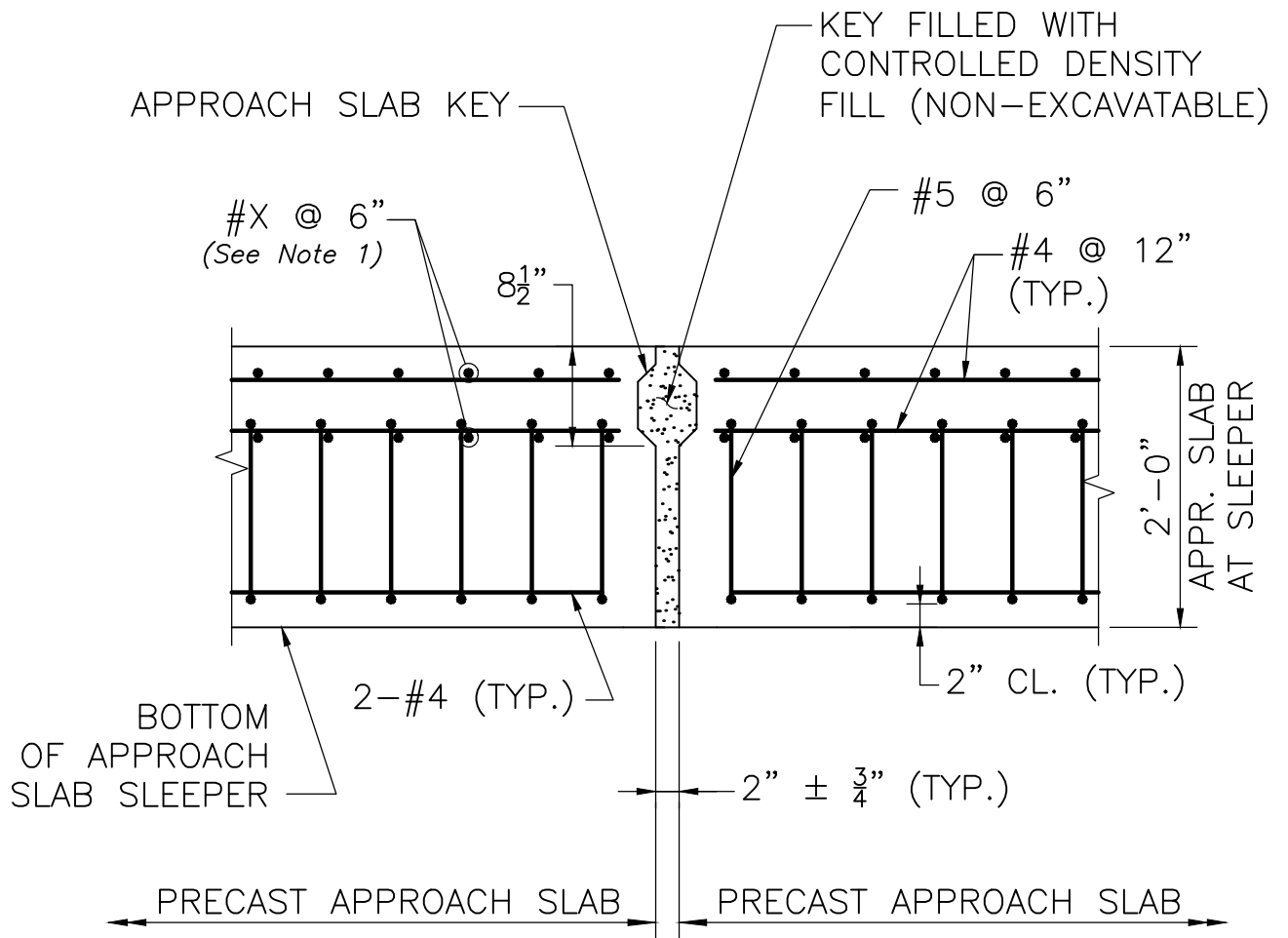
MANUAL, PART III

TRANSVERSE SECTION THRU  
 JOINT HEADER – TYPES II AND III  
 APPROACH SLABS  
 PRECAST APPROACH SLABS

DATE OF ISSUE  
 JUNE 2013

DRAWING NUMBER

**3.1.6**



## SECTION 4

SCALE:  $\frac{3}{4}" = 1'-0"$

**NOTE:**

See Designer Notes 1 and 2 on Dwg. No. 3.1.12, Part II of this Bridge Manual.



LRFD BRIDGE  
MANUAL, PART III

TRANSVERSE SECTION  
THRU SLEEPER  
TYPE II APPROACH SLAB  
PRECAST APPROACH SLABS

DATE OF ISSUE  
JUNE 2013

DRAWING NUMBER

**3.1.7**