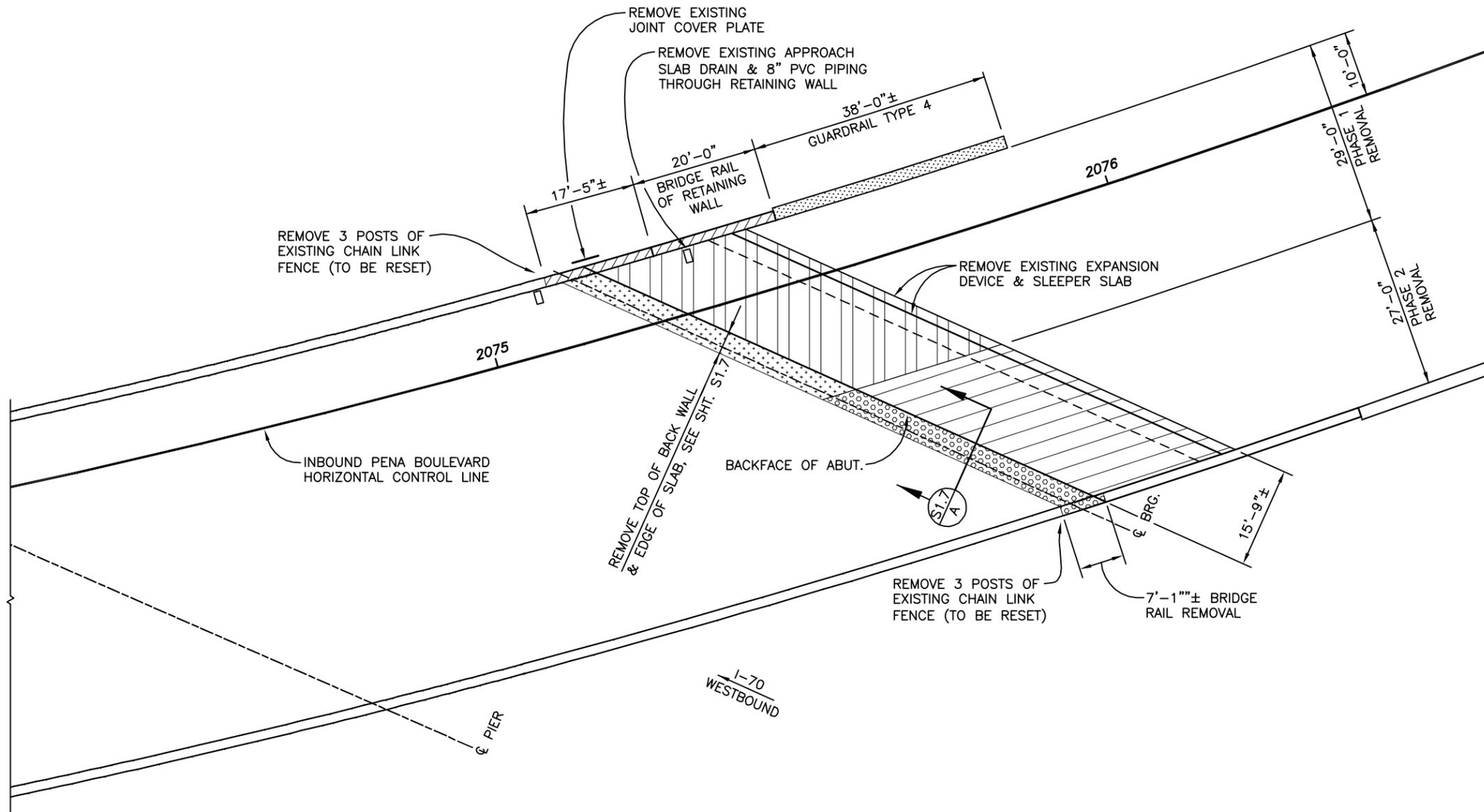








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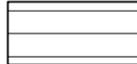
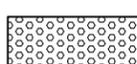


**LEGEND**

**PHASE 1 REMOVAL**

-  REMOVE EXISTING BRIDGE RAIL TYPE 4
-  REMOVE EXISTING GUARDRAIL TYPE 4
-  REMOVE APPROACH SLAB, SLEEPER SLAB & EXPANSION JOINT
-  REMOVE TOP OF ABUTMENT BACKWALL, EDGE OF DECK & EXPANSION JOINT

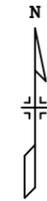
**PHASE 2 REMOVAL**

-  REMOVE APPROACH SLAB, SLEEPER SLAB & EXPANSION JOINT
-  REMOVE TOP OF ABUTMENT BACKWALL, EDGE OF DECK & EXPANSION JOINT & BRIDGE RAIL

**REMOVAL PLAN  
 AT ABUTMENT 5**  
 1"=20'

**NOTES:**

1. FOR PHASE 1 REMOVAL OF TOP OF EXISTING RETAINING WALL & WINGWALL SEE SHT. S1.8.
2. EXISTING CONCRETE SLOPE PAVING NOT SHOWN. FOR REMOVAL & RECONSTRUCTION LIMITS SEE SHT. S1.19.
3. TEMPORARY PRECAST TYPE 7 CONCRETE BARRIER FOR PHASED CONSTRUCTION NOT SHOWN, SEE CONSTRUCTION PHASING & TRAFFIC CONTROL PLANS.



CITY & COUNTY  
 of DENVER

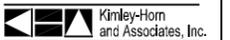
DENVER  
 INTERNATIONAL  
 AIRPORT



DESIGNER OF RECORD



INBOUND I-70 FLYOVER  
 APPROACH/DEPARTURE  
 RECONSTRUCTION



ISSUE RECORD  
 NO. BY PURPOSE DATE CKD

NO.	BY	PURPOSE	DATE	CKD

SCALE AS SHOWN

DATE 04/30/2010

DRAWN BY: R. DILLON

CHECKED BY: P. STEIN

FAA AIP NO: N/A

WORK BREAKDOWN NO: N/A

DESIGN CONTRACT NO: CE00948

CONST. CONTRACT NO: CE00431

VOLUME NO: 1

SHEET TITLE

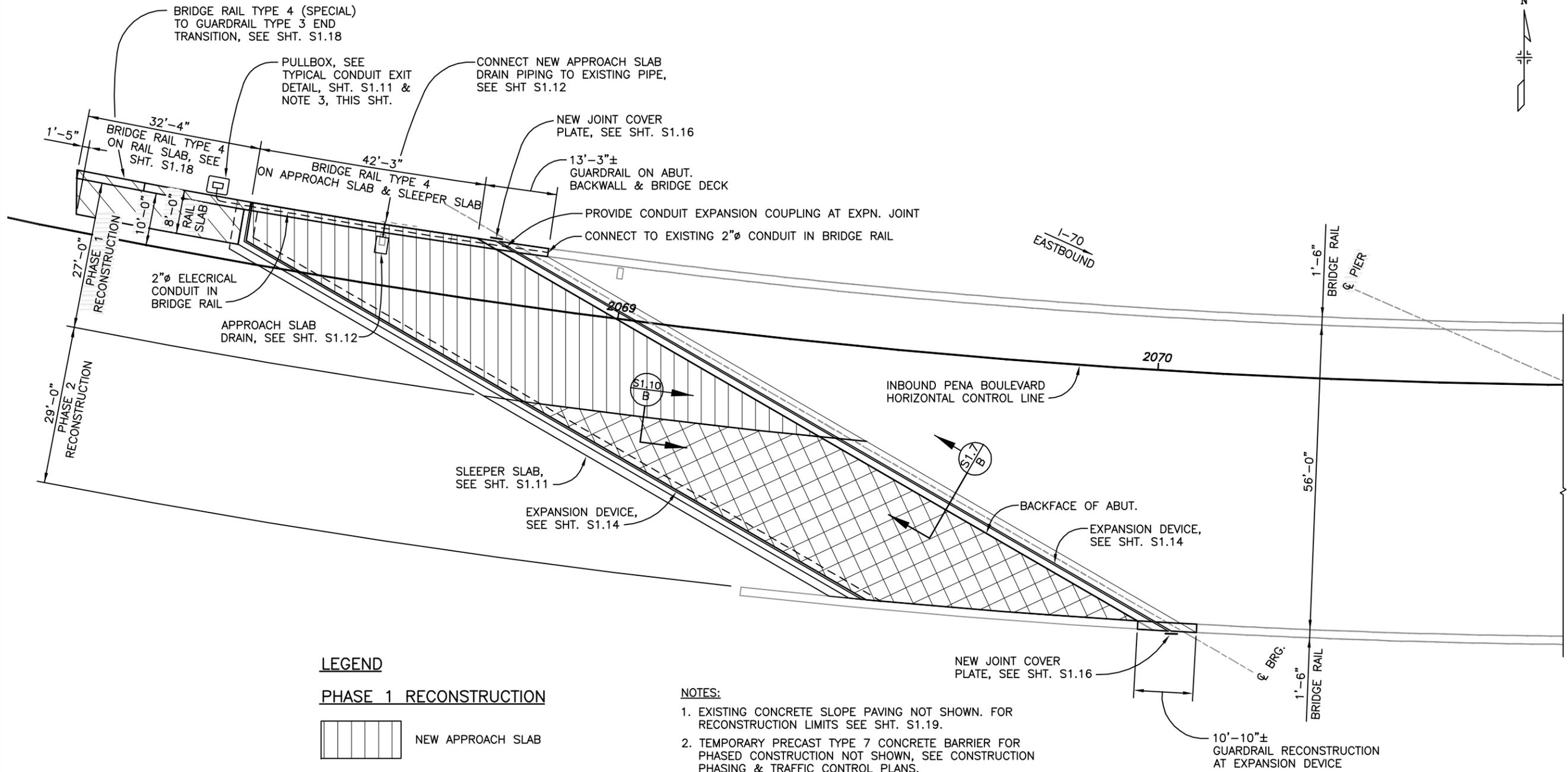
**REMOVAL PLAN  
 AT ABUTMENT 5**

SHEET NO. S1.4

34 OF 49

CADD FILE NO. B10013REM01

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**LEGEND**

**PHASE 1 RECONSTRUCTION**

- NEW APPROACH SLAB
- NEW BRIDGE RAIL ON RAIL SLAB

**PHASE 2 RECONSTRUCTION**

- NEW APPROACH SLAB

**NOTES:**

1. EXISTING CONCRETE SLOPE PAVING NOT SHOWN. FOR RECONSTRUCTION LIMITS SEE SHT. S1.19.
2. TEMPORARY PRECAST TYPE 7 CONCRETE BARRIER FOR PHASED CONSTRUCTION NOT SHOWN, SEE CONSTRUCTION PHASING & TRAFFIC CONTROL PLANS.
3. PROVIDE PULL BOX PER CDOT STD. M-616-1, SHT. 4 OF 4. PULL BOX AND ALL COUPLINGS AND HARDWARE REQUIRED TO CONNECT TO EXISTING 2"Ø CONDUIT WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF ITEM 613 - 2 INCH ELECTRICAL CONDUIT.
4. SEE ROADWAY PLANS FOR ROADWAY PAVEMENT ELEVATIONS AT THE SLEEPER SLAB.

**RECONSTRUCTION PLAN AT ABUTMENT 1**

1"=20'



CITY & COUNTY OF DENVER

DENVER INTERNATIONAL AIRPORT



DESIGNER OF RECORD



INBOUND I-70 FLYOVER APPROACH/DEPARTURE RECONSTRUCTION



ISSUE RECORD

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SCALE AS SHOWN

DATE 04/30/2010

DRAWN BY: R. DILLON

CHECKED BY: P. STEIN

FAA AIP NO: N/A

WORK BREAKDOWN NO: N/A

DESIGN CONTRACT NO: CE00948

CONST. CONTRACT NO: CE00431

VOLUME NO: 1

SHEET TITLE

**RECONSTRUCTION PLAN AT ABUTMENT 1**

SHEET NO. S1.5

35 OF 49

CADD FILE NO. B10013APR01

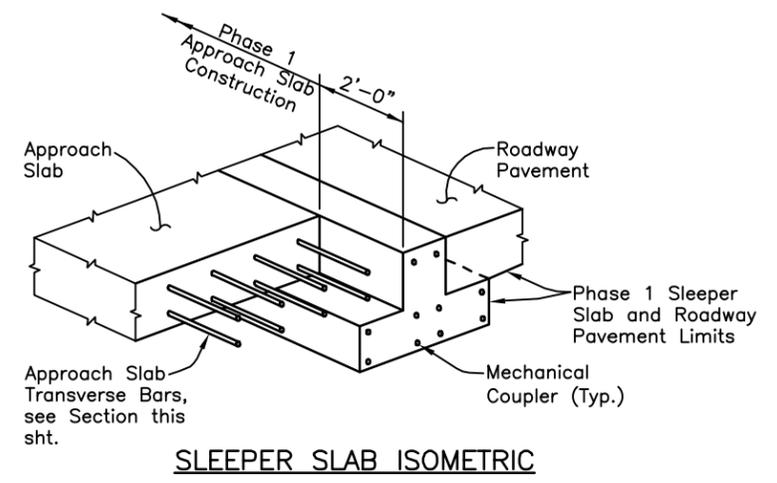
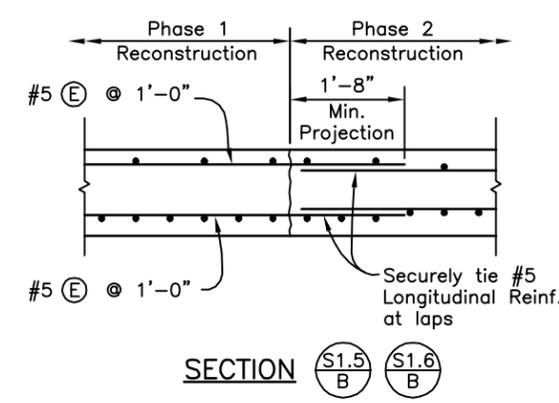
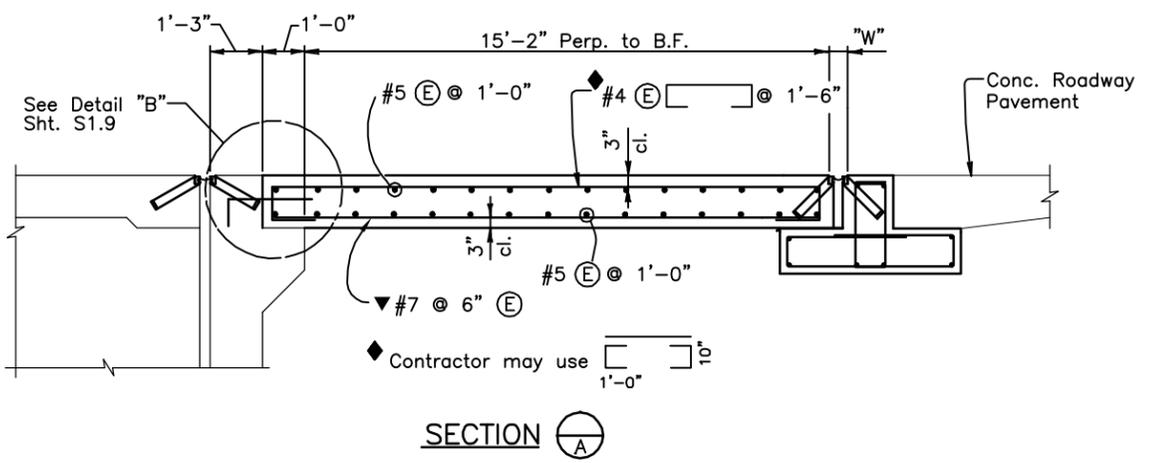
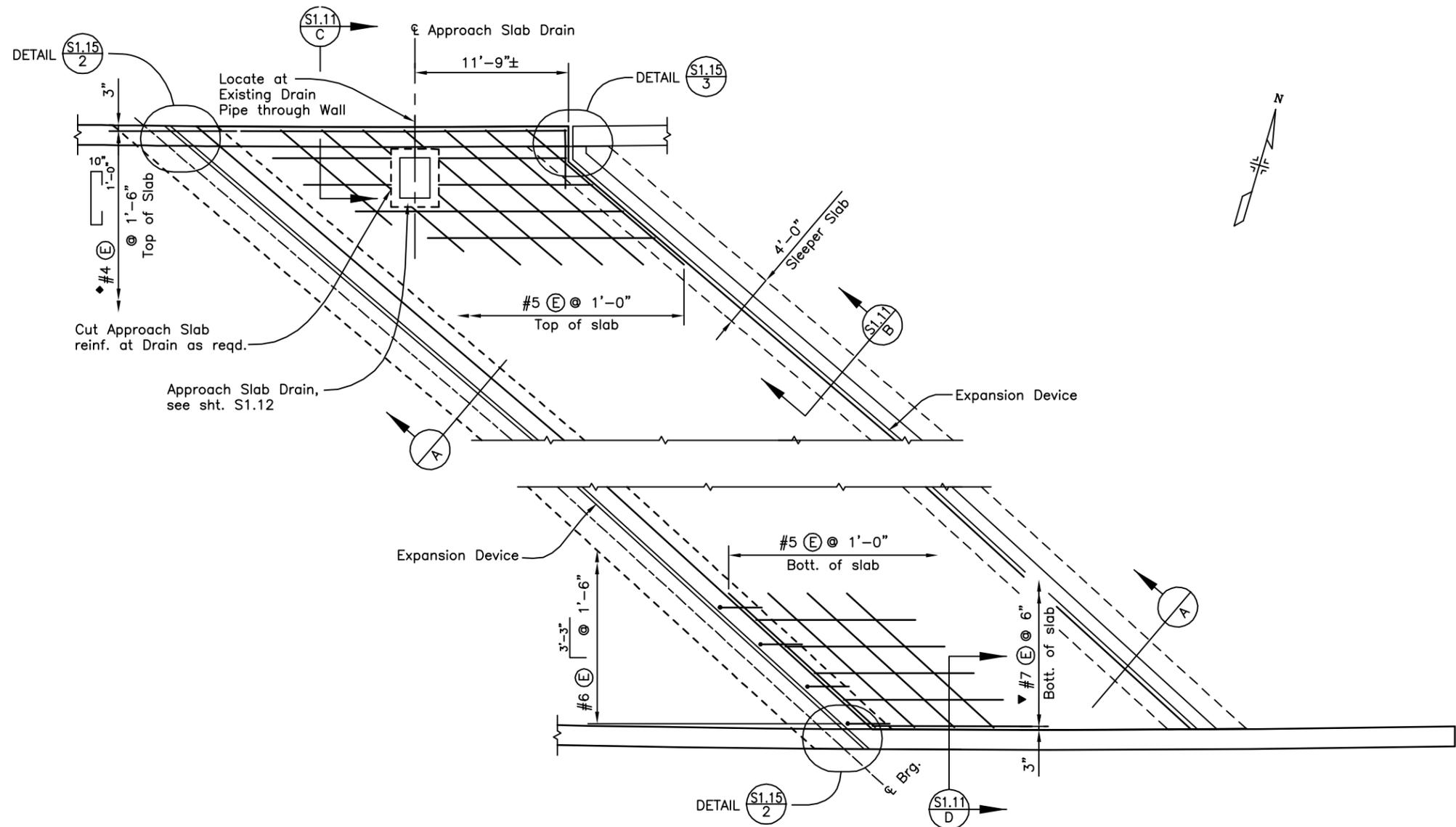








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DESIGNER OF RECORD  
 FOR REVIEW ONLY  
 NOT FOR CONSTRUCTION  
 Kimley-Horn and Associates, Inc.  
 ENGINEER - A. ENGINEER  
 PE NO. 00000, DATE 00/00



INBOUND I-70 FLYOVER  
 APPROACH/DEPARTURE  
 RECONSTRUCTION

Kimley-Horn and Associates, Inc.  
 ISSUE RECORD  
 NO. BY PURPOSE DATE CKD

NO.	BY	PURPOSE	DATE	CKD

SCALE AS SHOWN

DATE 04/30/2010

DRAWN BY: R. DILLON

CHECKED BY: P. STEIN

FAA AIP NO: N/A

WORK BREAKDOWN NO: N/A

DESIGN CONTRACT NO: CE00948

CONST. CONTRACT NO: CE00431

VOLUME NO: 1

SHEET TITLE

APPROACH SLAB  
 DETAILS  
 (2 OF 3)





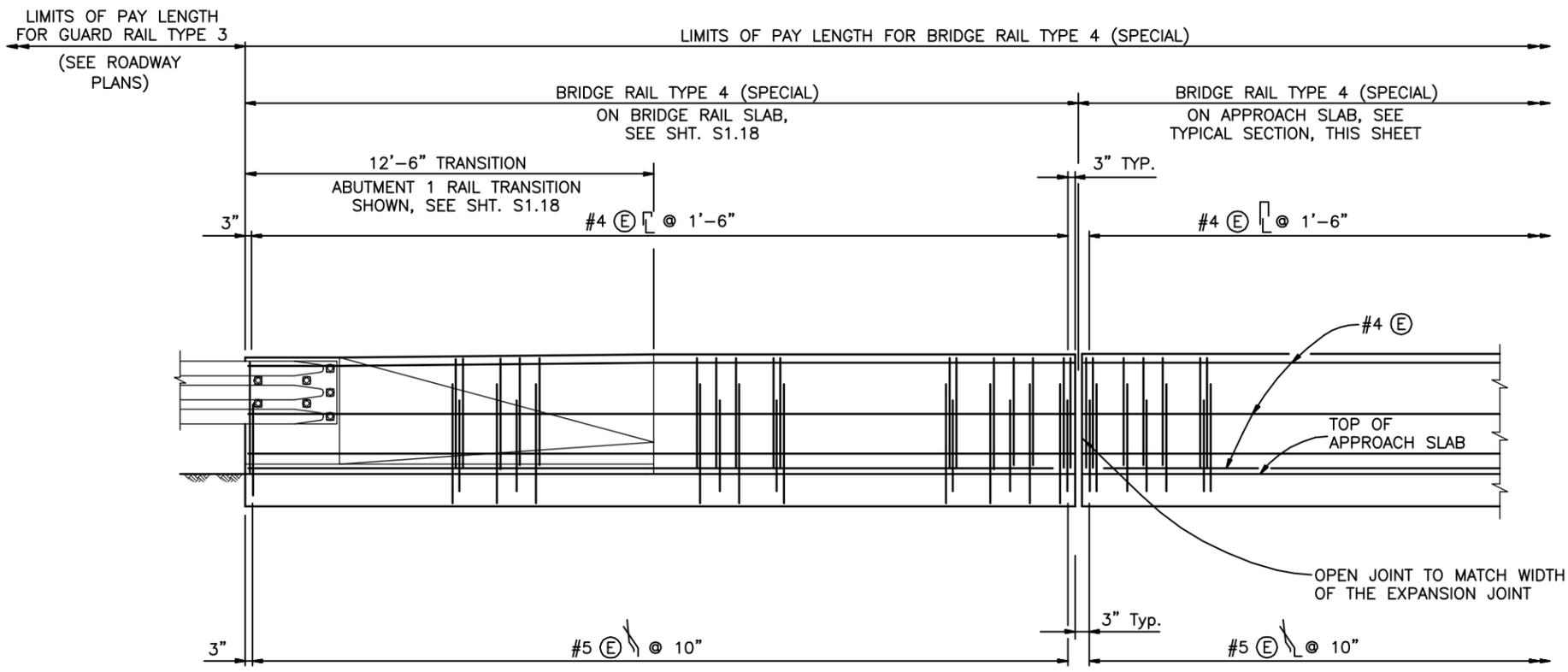




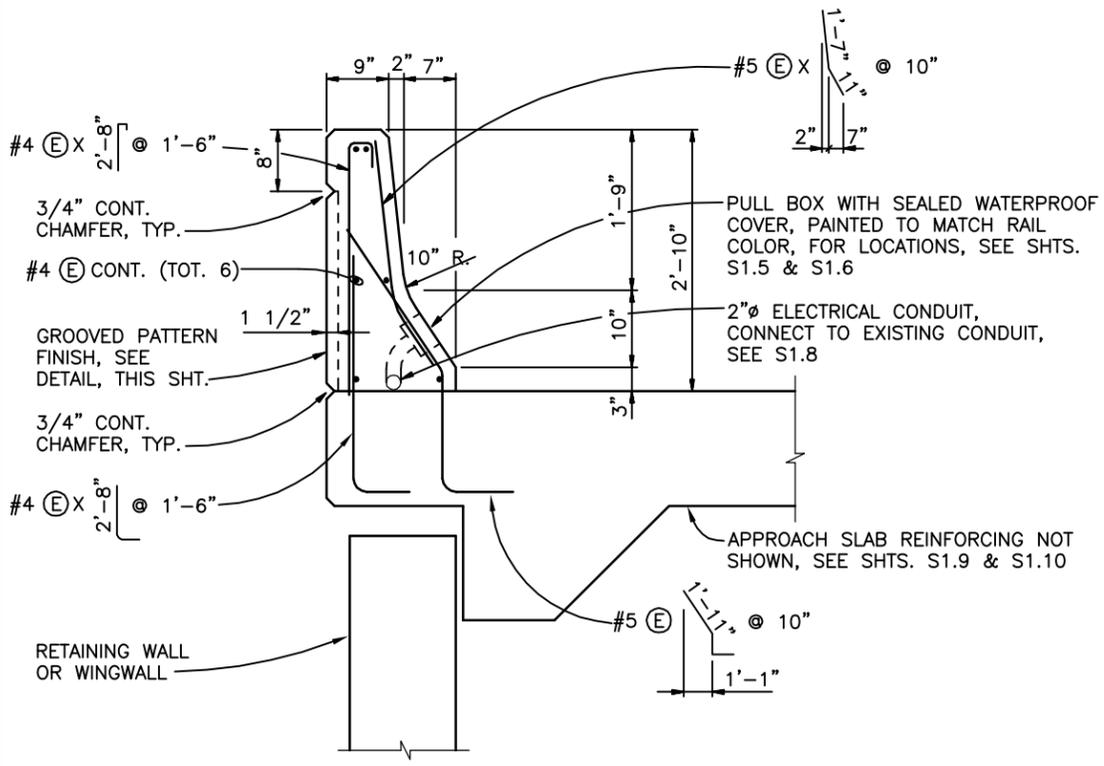




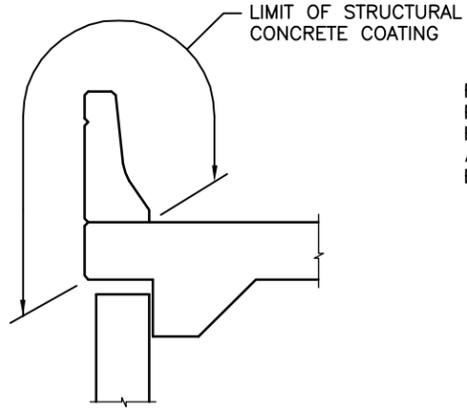
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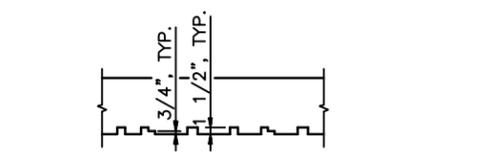
**ELEVATION**



**TYPICAL SECTION  
BRIDGE RAIL ON APPROACH SLAB**



**STRUCTURAL CONCRETE COATING LIMITS**



**GROOVED PATTERN FINISH DETAIL**  
(FORMLINER SHALL BE SCOTT SYSTEM #131, "COLORADO RANDOM REVEAL", OR APPROVED EQUAL)

**NOTES:**

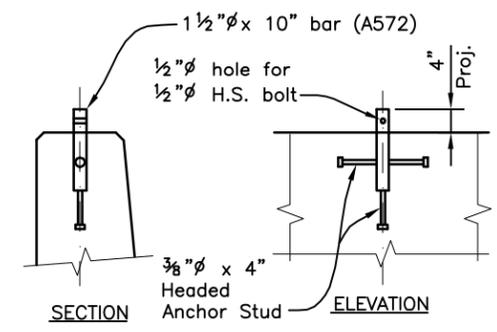
- BACKFILL WINGWALLS AND RETAINING WALLS BEFORE BARRIER IS PLACED.
- ALL BRIDGE RAIL CONCRETE SHALL BE CLASS D.
- LONGITUDINAL REINFORCEMENT SHALL STOP AT ALL EXPANSION JOINTS.
- ALL BRIDGE RAIL REINFORCING SHALL BE GRADE 60, EPOXY COATED.
- BRIDGE RAIL SHALL BE CONSTRUCTED PLUMB.
- BRIDGE RAIL CONCRETE (CLASS D), BRIDGE RAIL REINFORCEMENT, AND COST OF FORMLINER SHALL BE INCLUDED IN ITEM NO. 606, BRIDGE RAIL TYPE 4 (SPECIAL).
- FOR GUARD RAIL TYPE 4, SEE STD. M-606-12 FOR DETAILS.
- FOR GUARD RAIL TYPE 3, SEE STD. M-606-1. FOR DETAILS OF ATTACHMENT TO CONCRETE BARRIER, SEE STD. M-606-13.
- ANCHORAGE ASSEMBLIES SHALL BE GALVANIZED AFTER FABRICATION. THE COST OF ANCHORAGE ASSEMBLIES SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF BRIDGE RAIL TYPE 4 (SPECIAL).

**DESIGN DATA:**

REINFORCED CONCRETE :  
 CLASS D CONCRETE:  $f'_c = 4,500$  PSI, N = 8  
 REINFORCING STEEL:  $f_y = 60,000$  PSI.



**RESET FENCE DETAIL**



**ANCHORAGE DETAIL**

CITY & COUNTY OF DENVER

DENVER INTERNATIONAL AIRPORT



INBOUND I-70 FLYOVER  
 APPROACH/DEPARTURE  
 RECONSTRUCTION



ISSUE RECORD			
NO.	BY	PURPOSE	DATE CKD

SCALE	AS SHOWN
DATE	04/30/2010
DRAWN BY:	R. DILLON
CHECKED BY:	P. STEIN
FAA AIP NO:	N/A
WORK BREAKDOWN NO:	N/A
DESIGN CONTRACT NO.	CE00948
CONST. CONTRACT NO.	CE00431
VOLUME NO.	1
SHEET TITLE	BRIDGE RAIL (SPECIAL)

SHEET NO. **S1.17**  
 47 OF 49  
 CADD FILE NO.  
 B10013RAL01



