

**California High-Speed Rail Authority**



**RFP No.: HSR 13-57**

**Request for Proposals for Design-Build  
Services for Construction Package 2-3**

**Book I, Part C.4 - Design-Build Services  
Scope of Work**

**ATTACHMENT 3  
SCOPING TYPICAL SECTIONS**



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**WORK ELEMENTS (IN CONTRACT)**

- ① PREPARED SUBGRADE
- ② PROTECTIVE LAYER (SEE NOTE 2)
- ③ FINISHED GRADE
- ④ FENCE AND FOUNDATION / INTRUSION BARRIER (SEE NOTE 3 & 4)
- ⑤ LOW VOLTAGE UNDER TRACK AND UNDER GROUND CONDUITS IN DUCTBANK AND MANHOLES
- ⑥ DRAINAGE DITCH
- ⑦ UTILITY CROSSINGS
- ⑧ TEMPORARY SURFACE DRAINAGE
- ⑨ 25KV UNDER GROUND CONDUITS IN DUCTBANK AND MANHOLES

**WORK ELEMENTS (NOT IN CONTRACT)**

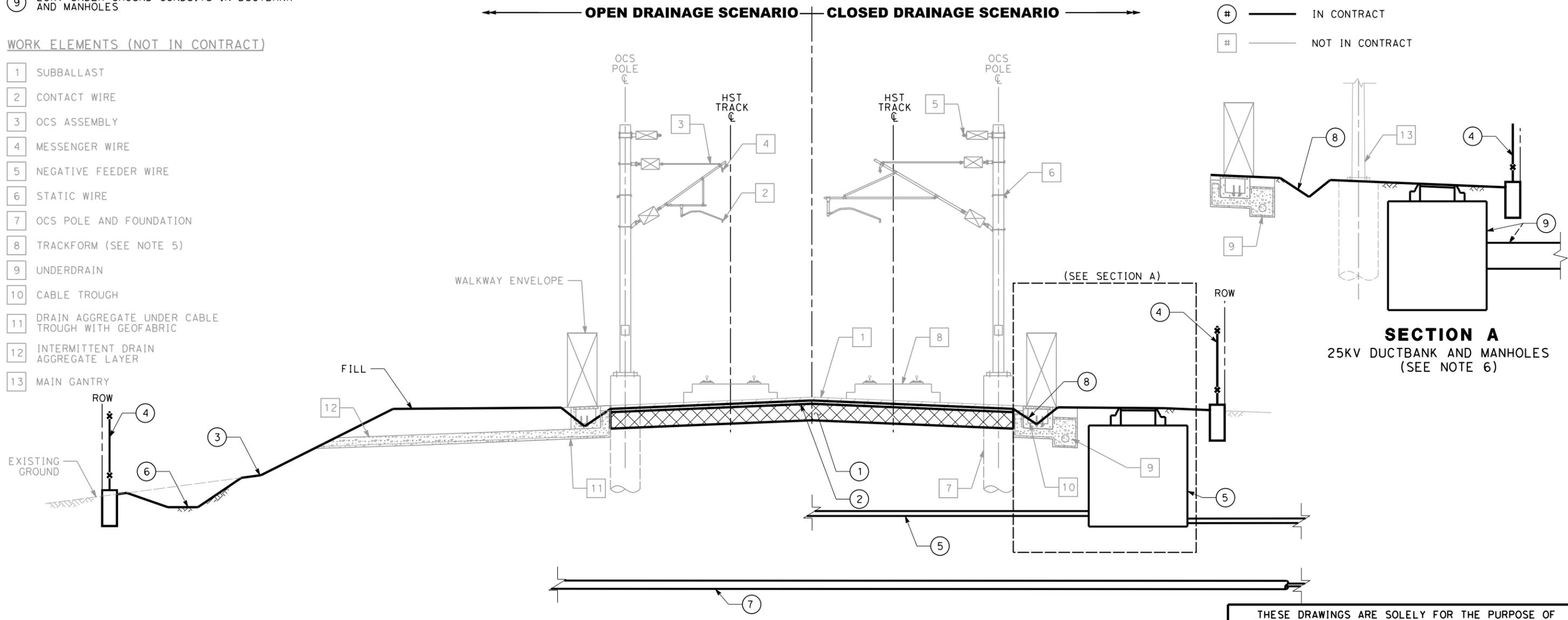
- 1 SUBBALLAST
- 2 CONTACT WIRE
- 3 OCS ASSEMBLY
- 4 MESSENGER WIRE
- 5 NEGATIVE FEEDER WIRE
- 6 STATIC WIRE
- 7 OCS POLE AND FOUNDATION
- 8 TRACKFORM (SEE NOTE 5)
- 9 UNDERDRAIN
- 10 CABLE TROUGH
- 11 DRAIN AGGREGATE UNDER CABLE TROUGH WITH GEOFABRIC
- 12 INTERMITTENT DRAIN AGGREGATE LAYER
- 13 MAIN GANTRY

**NOTES:**

- 1. SEE DESIGN CRITERIA MANUAL, DIRECTIVE DRAWINGS, AND STANDARD DRAWINGS FOR REQUIREMENTS AND DIMENSIONS.
- 2. PROTECTIVE LAYER TO PROTECT PREPARED SUBGRADE.
- 3. INTRUSION BARRIER (AS REQUIRED) ADJACENT TO ROADWAYS AND RAILWAY.
- 4. FENCE GROUNDING SHALL BE PROVIDED.
- 5. NON-BALLASTED TRACKFORM SHOWN FOR ILLUSTRATION PURPOSES ONLY. SEE SCOPE OF WORK.
- 6. SEE SCOPE OF WORK - SCOPE ELEMENTS MATRIX FOR PRELIMINARY LOCATIONS AND DETAILS FOR 25KV UNDERGROUND CONDUITS IN DUCTBANK AND MANHOLES.

**LEGEND:**

- ① ——— IN CONTRACT
- ② ——— NOT IN CONTRACT



**DATE: 07/23/2014**

**TYPICAL AT-GRADE SECTION**

THESE DRAWINGS ARE SOLELY FOR THE PURPOSE OF SCOPED WORK ELEMENTS AND ARE NOT INTENDED AS A DESIGN DIRECTIVE. TRACK, SYSTEMS, AND DRAINAGE ARE SCHEMATIC AND DO NOT REPRESENT DESIGN. ACCORDINGLY THE INFORMATION CONTAINED HEREIN SHALL NOT BE USED FOR DESIGN AND/OR CONSTRUCTION PURPOSES. OTHERWISE, REFER TO SCOPE OF WORK AND TECHNICAL DIRECTIVES.

RFP No.: 13-57 - Addendum No. 4 - 09/09/2014