

California High-Speed Rail Authority



RFP No.: HSR 13-57

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

**Book II, Part B.1
Directive Drawings Changes**

^{VC} **California High-Speed Rail Authority**



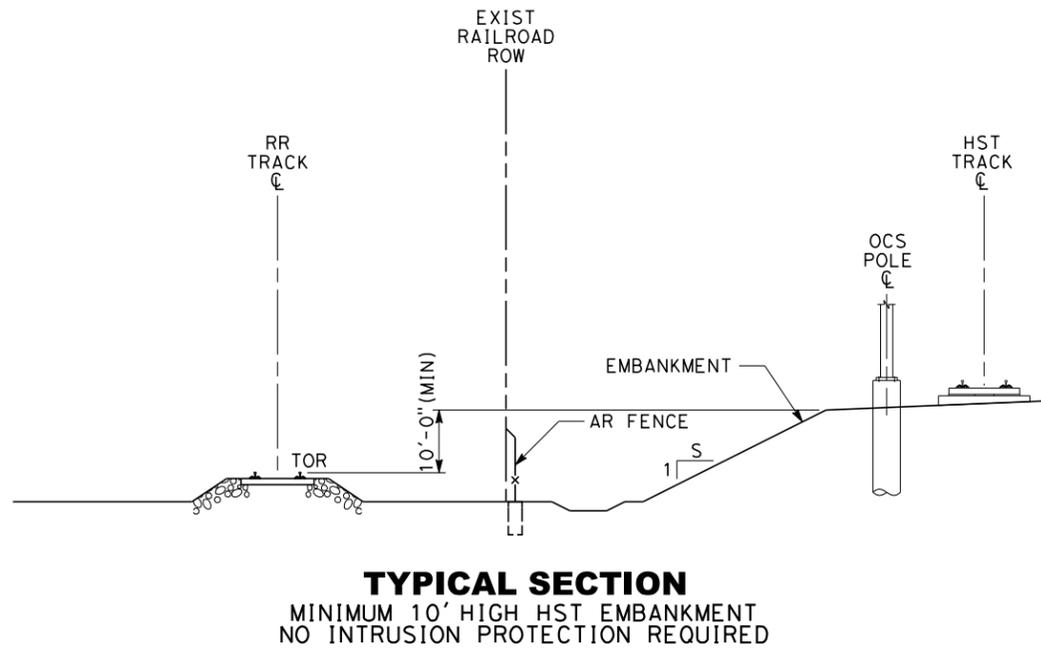
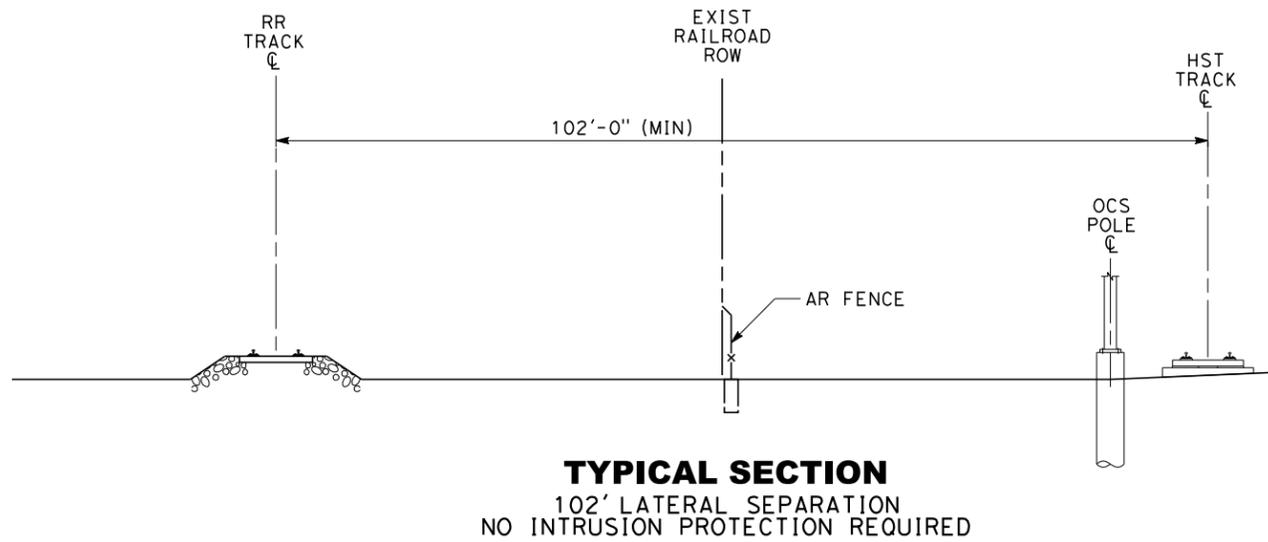
RFP No.: HSR 13-57

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

**Book II, Part B.1
Directive Drawings**

Intrusion Protection

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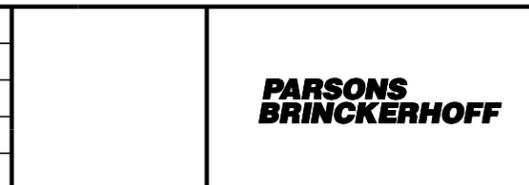


NOTES:

1. TRACK, SYSTEMS AND DRAINAGE ARE SCHEMATIC AND DO NOT REPRESENT DESIGN.
2. AR FENCE AND ITS FOUNDATION SHALL BE INSTALLED INSIDE AUTHORITY RIGHT-OF-WAY.
3. FOR COMMON EMBANKMENT FILL ONLY, USE 2:1 SIDE SLOPES.

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. ABTAHI
DRAWN BY
V. HUANTE
CHECKED BY
H. NGUYEN
IN CHARGE
G. LUSHEROVICH
DATE
05/09/2014



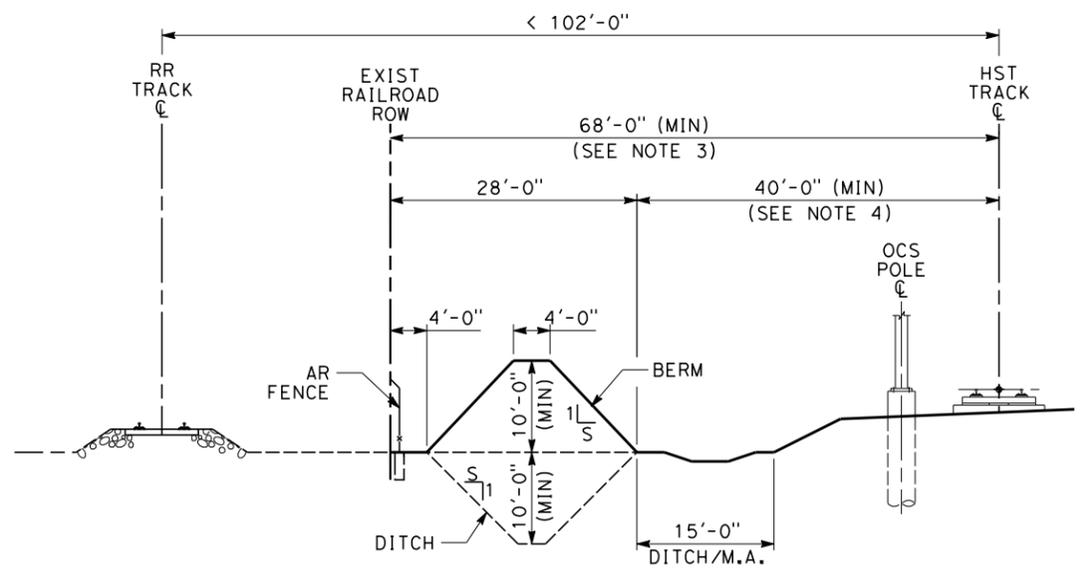
CALIFORNIA HIGH-SPEED TRAIN PROJECT
INTRUSION PROTECTION DIRECTIVE

RAILROAD ADJACENT TO HST
AT-GRADE WITHOUT INTRUSION PROTECTION

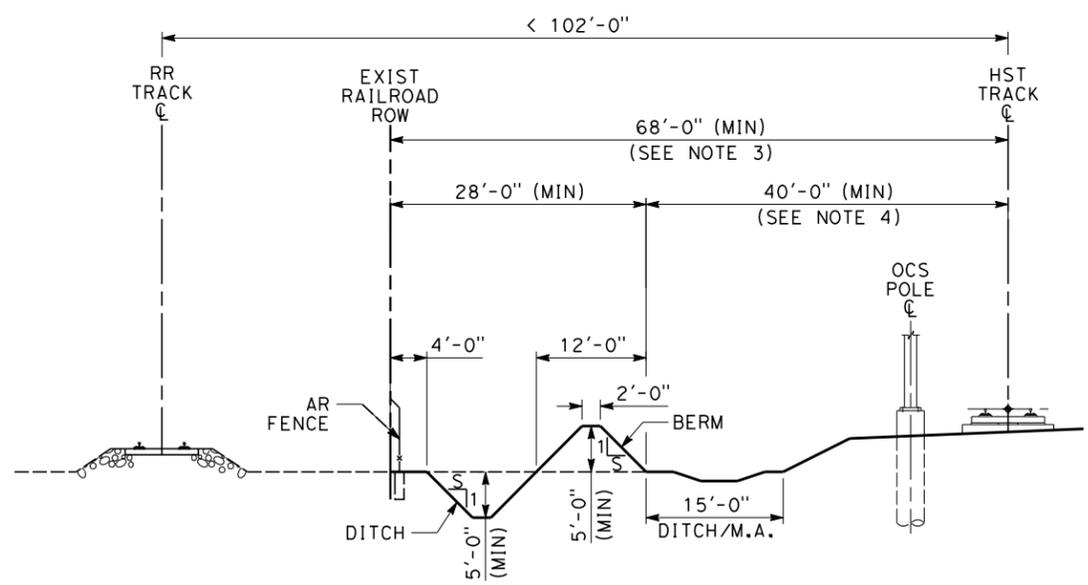
CONTRACT NO.
DRAWING NO. DD-IP-100
SCALE NO SCALE
SHEET NO.

RFP No.: 13-57 – Addendum No. 1 - 06/10/2014

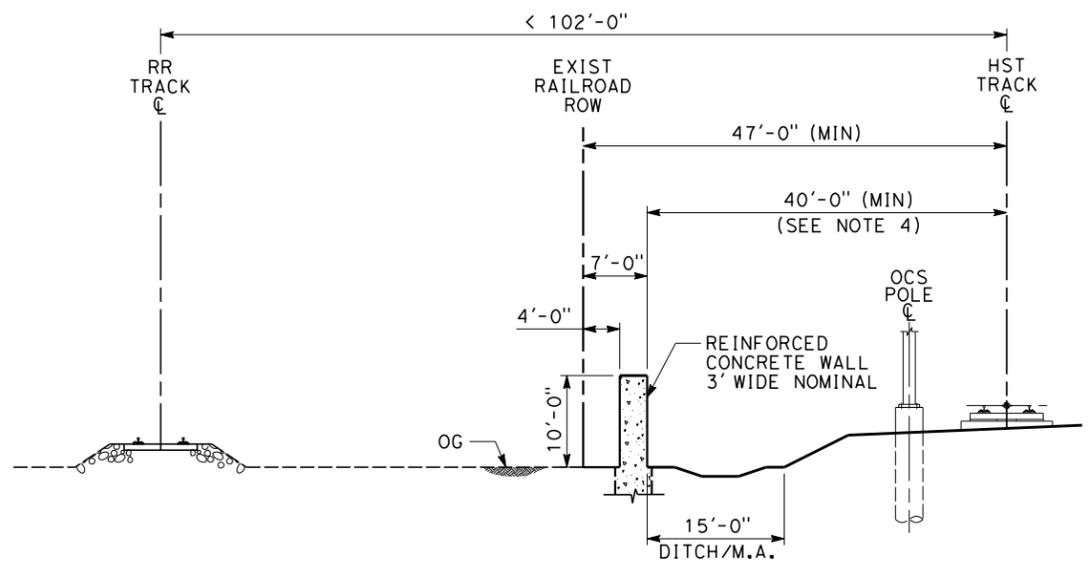
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TYPICAL SECTION
EARTHEN BERM OR DITCH



TYPICAL SECTION
EARTHEN BERM AND DITCH



TYPICAL SECTION
CONCRETE WALL BARRIER

NOTES:

1. TRACK, SYSTEMS AND DRAINAGE ARE SCHEMATIC AND DO NOT REPRESENT DESIGN.
2. SIDE SLOPES (S:1) DETERMINED THROUGH SLOPE STABILITY ANALYSIS. FOR COMMON EMBANKMENT FILL ONLY, USE 2:1 SIDE SLOPES.
3. MINIMUM DISTANCE IS BASED ON S=1.
4. MINIMUM DISTANCE CONSIDERS A MINIMUM OF 3'-6" HIGH EMBANKMENT, INCLUSIVE OF SUBBALLAST.
5. BERM MATERIAL AND COMPACTION SHALL BE SIMILAR TO EMBANKMENT.

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
A. ABTAHI
DRAWN BY
V. HUANTE
CHECKED BY
H. NGUYEN
IN CHARGE
G. LUSHEROVICH
DATE
05/09/2014



CALIFORNIA HIGH-SPEED TRAIN PROJECT
INTRUSION PROTECTION DIRECTIVE

RAILROAD ADJACENT TO HST
AT-GRADE WITH INTRUSION PROTECTION

CONTRACT NO.
DRAWING NO.
DD-IP-101
SCALE
NO SCALE
SHEET NO.

RFP No.: 13-57 – Addendum No. 1 - 06/10/2014

California High-Speed Rail Authority



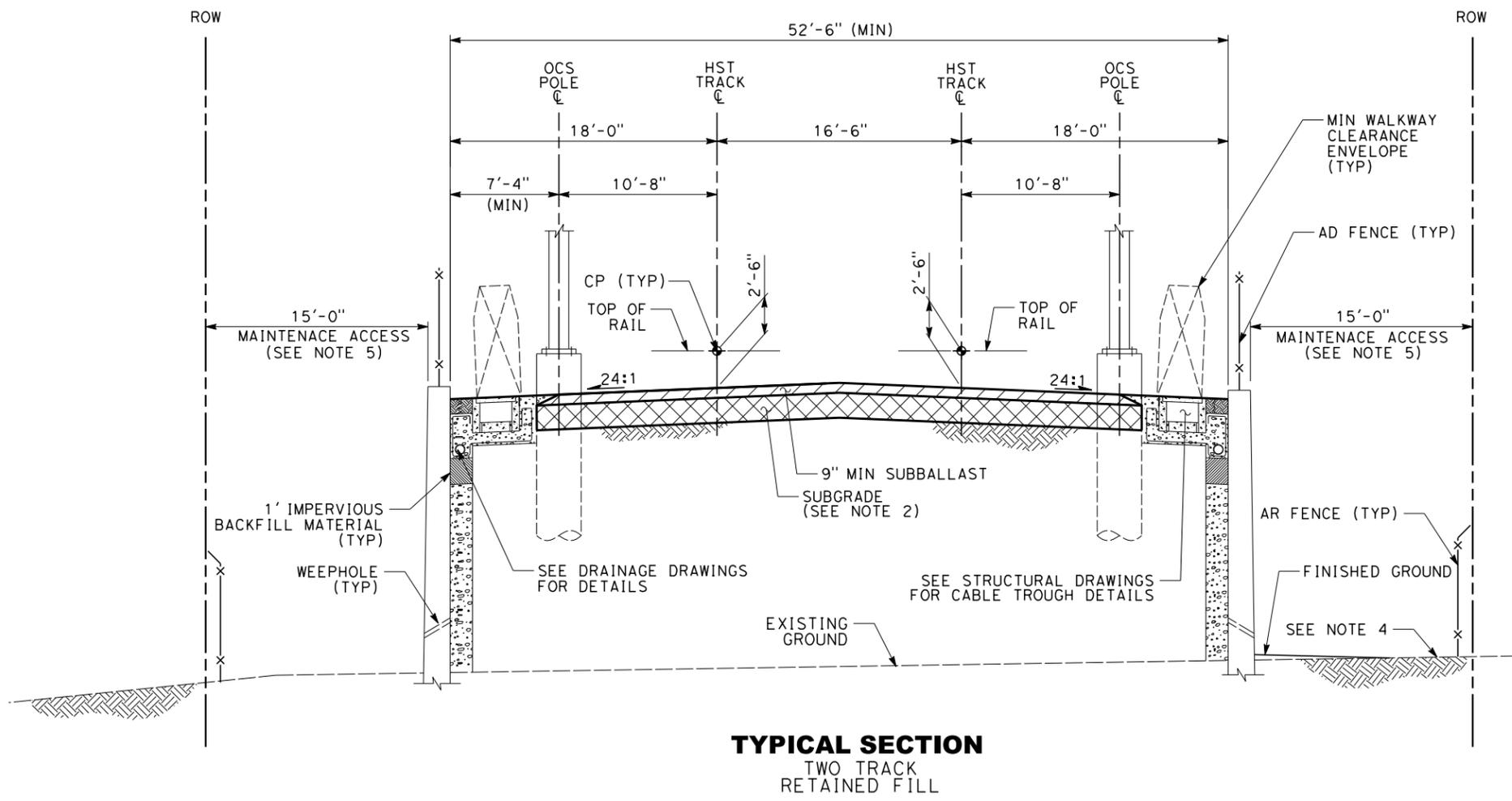
RFP No.: HSR 13-57

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

**Book II, Part B.1
Directive Drawings**

Civil

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- NOTES:**
1. TRACK, SYSTEMS AND DRAINAGE ARE SCHEMATIC AND DO NOT REPRESENT DESIGN.
 2. SUBGRADE THICKNESS SHALL BE DETERMINED BASED ON THE EXISTING GROUND CONDITION.
 3. THE CONTROL POINT (CP) SHALL BE 2'-6" ABOVE THE TOP OF SUBBALLAST.
 4. PROTECTIVE BARRIER, SUCH AS A BERM OR A DIKE, SHALL BE INSTALLED AT THE RIGHT-OF-WAY BOUNDARY TO INTERCEPT STORM WATER RUN OFF, WHERE THERE IS A POTENTIAL FOR STORM WATER RUN OFF TO ENTER CHST RIGHT-OF-WAY FROM ADJACENT PROPERTY.
 5. 10' MIN MAINTENANCE ACCESS REQUIRED WHEN THERE IS NO FENCE OR CONTINUOUS OBSTRUCTION

TYPICAL SECTION
TWO TRACK
RETAINED FILL



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. MANITI
DRAWN BY
R. MINCIO
CHECKED BY
G. HARRIS
IN CHARGE
G. LUSHEROVICH
DATE
05/09/2014

**PARSONS
BRINCKERHOFF**



CALIFORNIA
HIGH-SPEED RAIL AUTHORITY

CALIFORNIA HIGH-SPEED TRAIN PROJECT
CIVIL DIRECTIVE

TYPICAL CROSS SECTION
TWO TRACK
RETAINED FILL

CONTRACT NO.	
DRAWING NO.	DD-CV-102
SCALE	AS SHOWN
SHEET NO.	

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California High-Speed Rail Authority



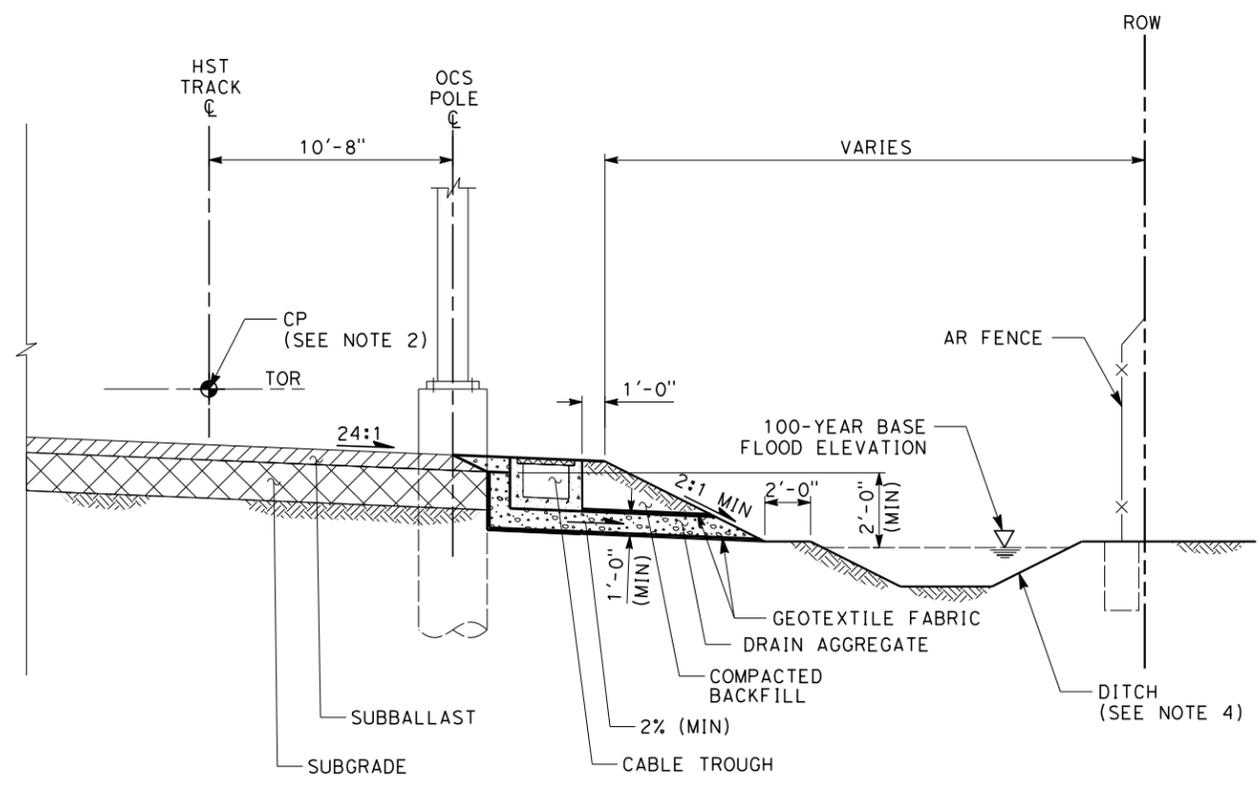
RFP No.: HSR 13-57

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

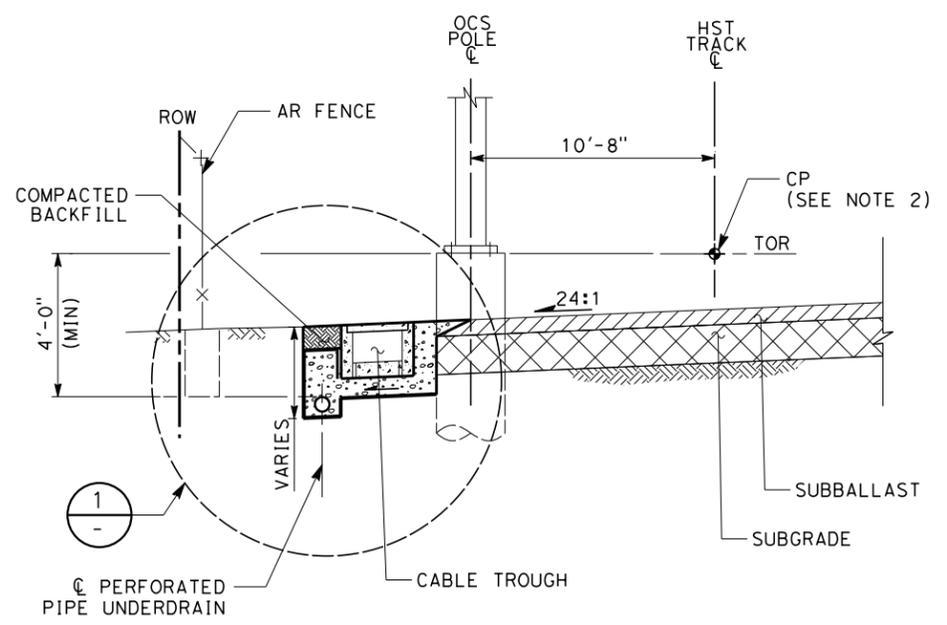
**Book II, Part B.1
Directive Drawings**

Drainage

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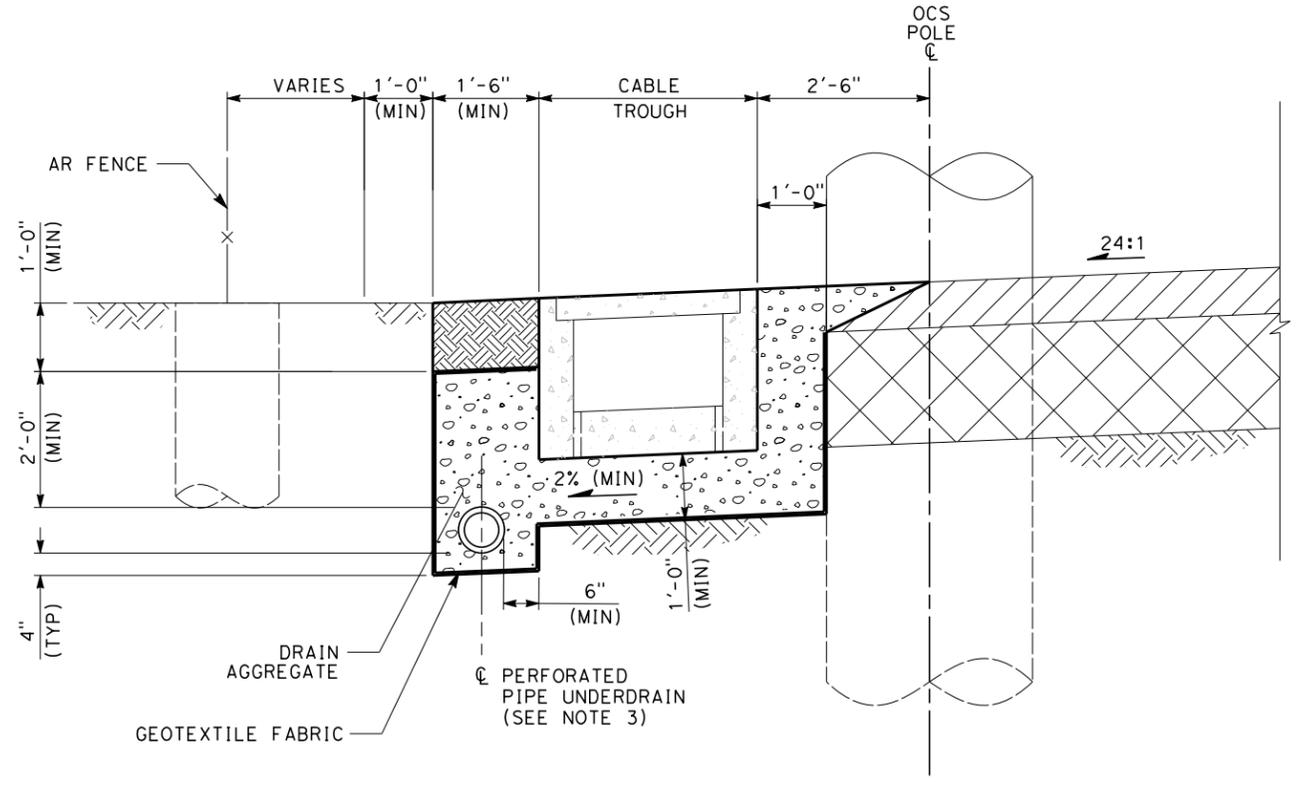
TYPICAL SECTION
AT GRADE TRACK OPEN DRAINAGE SYSTEM



TYPICAL SECTION
AT GRADE TRACK CLOSED DRAINAGE SYSTEM

NOTES:

1. TRACK AND SYSTEMS ARE SCHEMATIC AND DO NOT REPRESENT DESIGN.
2. THE CONTROL POINT (CP) IS THE INTERSECTION OF THE CENTERLINE OF TRACK AND THE TOP OF THE RAIL, FOR SUPERELEVATED TRACK SECTIONS THE CP IS THE INTERSECTION OF THE CENTERLINE OF THE TRACK AND THE TOP OF THE LOW RAIL.
3. TRACK DRAINAGE SYSTEM SHALL BE CONNECTED AND DISCHARGE TO THE LOCAL STORM DRAIN SYSTEM.
4. DITCH SHALL CONFORM TO THE FOLLOWING REQUIREMENTS:
DEPTH OF DITCH = 1' MINIMUM
SIDE SLOPE =
2:1 MAXIMUM FOR CONCRETE LINED DITCH AND
3:1 MAXIMUM FOR GRASS LINED DITCH
WIDTH OF FLAT BOTTOM = 4' MINIMUM



DETAIL 1
NO SCALE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
K. SISTLA
DRAWN BY
V. HUANTE
CHECKED BY
A. ABTAHI
IN CHARGE
G. LUSHEROVICH
DATE
05/09/2014



CALIFORNIA HIGH-SPEED TRAIN PROJECT
DRAINAGE DIRECTIVE

AT-GRADE TRACK
DRAINAGE SYSTEM

CONTRACT NO.
DRAWING NO.
DD-CD-003
SCALE
NO SCALE
SHEET NO.

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