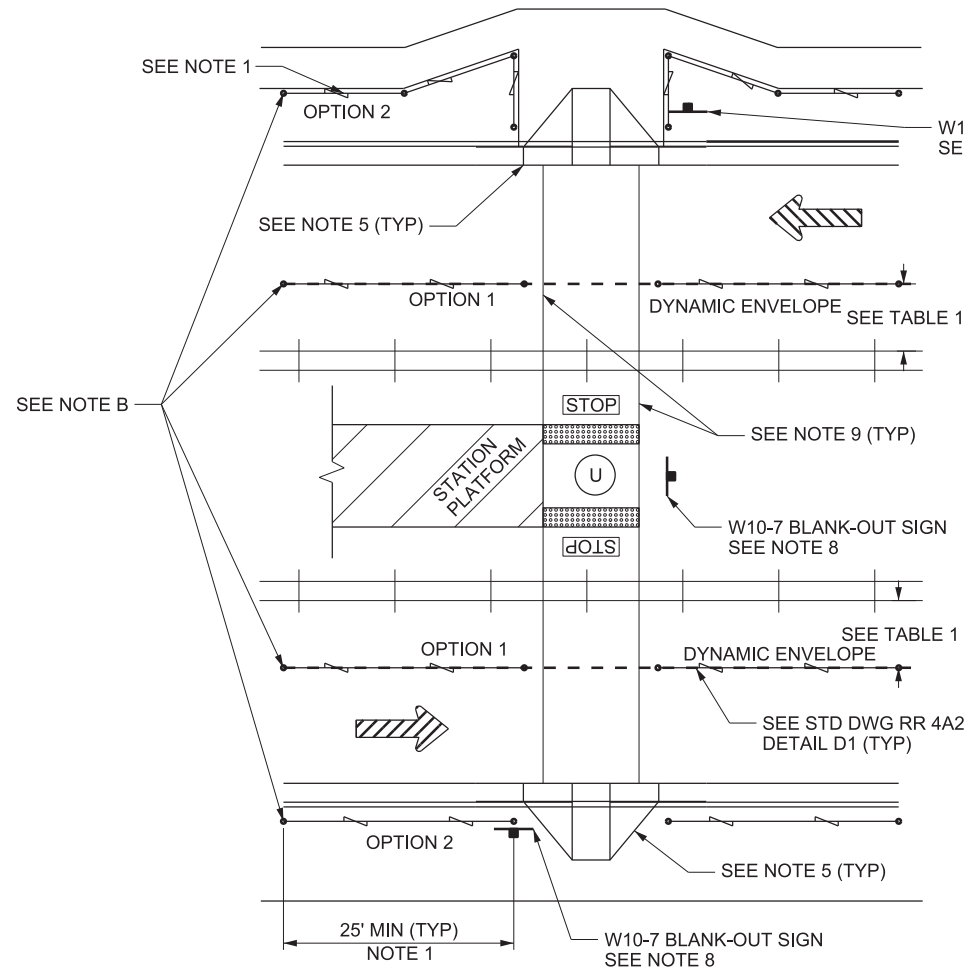
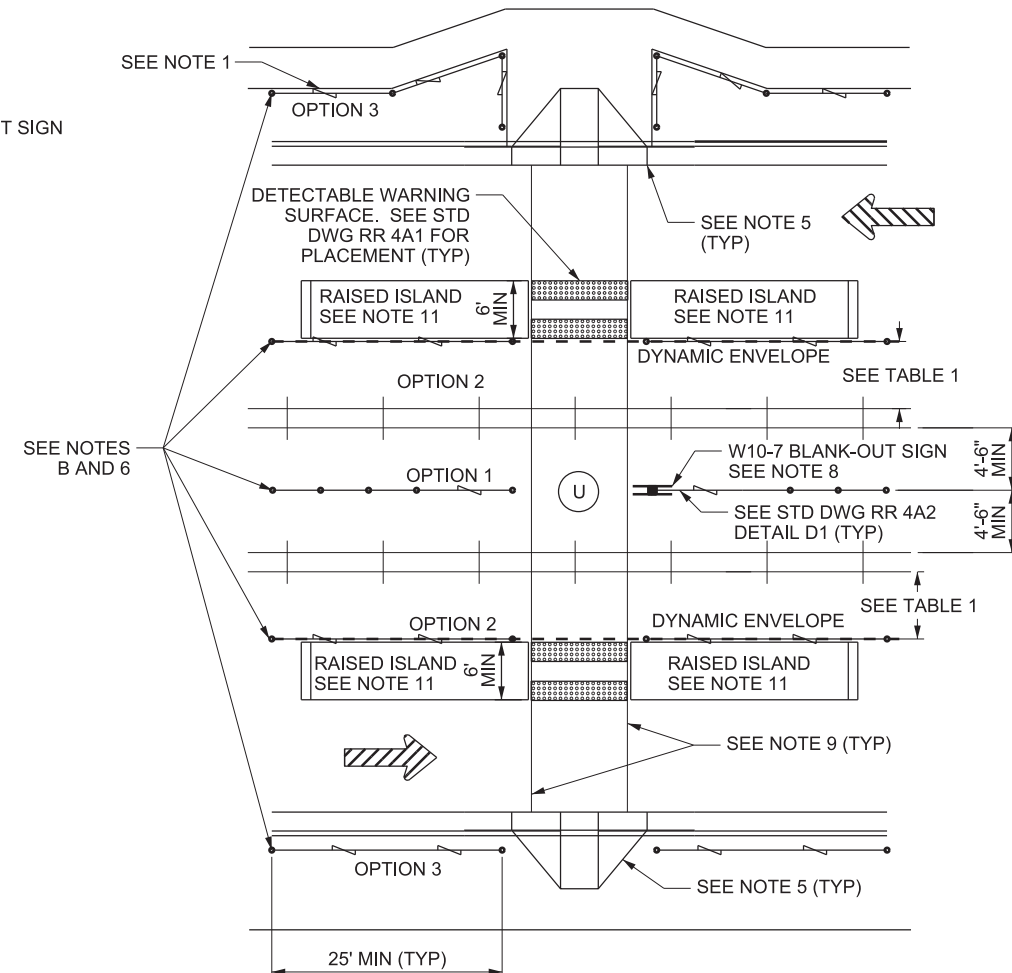


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**MID-BLOCK STATION ACCESS
STREET RUNNING ALIGNMENTS
DETAIL A**

SEE NOTE 1






**MID-BLOCK CROSSINGS
STREET RUNNING ALIGNMENTS
DETAIL B**

SEE NOTE 1

TABLE 1	
DYNAMIC ENVELOPE WIDTH	
VEHICLE TYPE	WIDTH*
LIGHT RAIL/TROLLEY ONLY	4'-6"
SHARED USE	6'-0"
HEAVY RAIL	6'-0"

* MEASURED FROM EDGE OF NEAREST RAIL

LEGEND:

-  CHANNELIZING FENCE/BARRIER OR CHANNELIZING LANDSCAPING SEE STD DWG RR 4A2 DETAILS D1, D2, AND E
-  CHANNELIZING FENCE/BARRIER SEE STD DWG RR 4A2 DETAILS D1 AND D2
-  UNSIGNALIZED INTERSECTION

DESIGN-ONLY NOTES:


- A. DEFINITIONS:
- STREET RUNNING ALIGNMENT - A RAILROAD ALIGNMENT IN WHICH TRAINS OPERATE IN MIXED TRAFFIC WITH ALL TYPES OF ROAD USERS. THE ALIGNMENT IS TYPICALLY SEPARATED FROM TRAFFIC BY A CURB OR STRIPING.
 - SEMI-EXCLUSIVE ALIGNMENT - A RAILROAD ALIGNMENT THAT IS IN A SEPARATE RIGHT-OF-WAY OR ALONG A ROADWAY WHERE MOTOR VEHICLES, PEDESTRIANS, AND BICYCLES HAVE LIMITED ACCESS AND CROSS AT DESIGNATED LOCATIONS ONLY. THE ALIGNMENT IS TYPICALLY SEPARATED BY FENCING OR BARRIERS BETWEEN CROSSINGS.
 - DYNAMIC ENVELOPE - THE CLEARANCE REQUIRED FOR THE TRAIN OR LIGHT RAIL TRANSIT EQUIPMENT OVERHANG.
 - SIDEWALK - THAT PORTION OF A STREET BETWEEN THE CURB LINE OR THE LATERAL LINE OF A ROADWAY AND THE ADJACENT PROPERTY LINE THAT IS PAVED OR IMPROVED AND INTENDED FOR USE BY PEDESTRIANS.
 - PATHWAY - A PUBLIC WAY OUTSIDE OF THE TRAVELED WAY AND PHYSICALLY SEPARATED FROM THE ROADWAY BY OPEN SPACE OR BARRIER. PATHWAYS DO NOT INCLUDE SIDEWALKS.
 - PEDESTRIAN ACCESS ROUTE - EITHER A SIDEWALK OR A PATHWAY.
- B. PLACE CHANNELIZING FENCE OR BARRIER WHEN USED ACCORDING TO OPTION 1 UNLESS SITE SPECIFIC CONDITIONS SUCH AS RIGHT-OF-WAY AVAILABILITY, CHANNELIZATION TYPE, OR SIGHT DISTANCE REQUIRE ALTERNATE PLACEMENT. CONSTRUCT FENCING A MINIMUM OF 25 FT PARALLEL TO THE TRACKS.
- C. PROVIDE DENSE LANDSCAPING WHEN USED IN PLACE OF CHANNELIZING FENCING OR BARRIER TO RESTRICT PEDESTRIANS FROM USING LOCATIONS OTHER THAN PEDESTRIAN ACCESSES.


NOTES:

- PLACE CHANNELIZING FENCE OR BARRIER 18 INCHES FROM THE FACE OF CURB OR ADJACENT TO THE SIDEWALK WHICHEVER PROVIDES GREATER CLEARANCE FOR ROAD USERS WHEN CHANNELIZING FENCE OR BARRIER RUNS PARALLEL TO THE ROADWAY.
- DO NOT OBSTRUCT SIGHT DISTANCE WITH FENCING OR BARRIERS. USE A CHANNELIZING FENCE OR BARRIER WITH A MINIMUM HEIGHT OF 42 INCHES AND A MAXIMUM HEIGHT OF 43 INCHES WHEN NEAR GRADE CROSSINGS.
- ADJUST CHANNELIZATION AND BARRIER LAYOUT FROM THE LAYOUT SHOWN ON THIS DRAWING AS NECESSARY BASED ON SITE SPECIFIC SITUATIONS WHILE MAINTAINING COMPLIANCE WITH THE MINIMUMS SHOWN.
- PLACE THE DETECTABLE WARNING SURFACE ACCORDING TO STD DWG RR 4A1, DETAILS A AND B, FOR LOCATIONS OTHER THAN AUTOMATIC VEHICLE GATES OR ROADWAY OR PEDESTRIAN FLASHING-LIGHT SIGNALS.
- SEE PA SERIES STD DWGS FOR PEDESTRIAN RAMP DETAILS.
- INSTALL CHANNELIZING FENCE OR BARRIER WITH A LOOK (R15-8) SIGN ACCORDING TO STD DWG RR 4A2 DETAIL D1 UNLESS SIGHT DISTANCE RESTRICTIONS NECESSITATE W10-7 BLANK-OUT SIGNS. REPLACE R15-8 LOOK SIGNS WITH W10-7 BLANK-OUT SIGNS, IF REQUIRED.
- INSTALL CHANNELIZING FENCE OR BARRIER WITH A LOOK (R15-8) SIGN ACCORDING TO STD DWG RR 4A2 DETAIL D2 UNLESS SIGHT DISTANCE RESTRICTIONS NECESSITATE W10-7 BLANK-OUT SIGNS. INSTALL CHANNELIZING FENCE OR BARRIER ACCORDING TO DETAIL A ON THIS SHEET IF BLANK-OUT SIGNS ARE REQUIRED.
- INSTALL W10-7 BLANK-OUT SIGN ACCORDING TO STD DWG RR 3A1, DETAIL B.
- SEE ST SERIES STD DWGS FOR CROSSWALK MARKING DETAILS.
- SEE STD DWG PA 2, MEDIAN BREAK EXAMPLE, FOR PEDESTRIAN REFUGE DETAILS.
- SEE STD DWG GW 1B FOR RAISED ISLAND AND PLOWABLE END SECTION DETAILS.

NO.	DATE	APPR.	REMARKS
1	8/29/19	MRB	UPDATED REFERENCES FOR THE ST STD DWGS

UTAH DEPARTMENT OF TRANSPORTATION
STANDARD DRAWINGS FOR ROAD AND BRIDGE CONSTRUCTION
SALT LAKE CITY, UTAH

RECOMMENDED FOR APPROVAL:  DATE: AUG. 29, 2019

CHAIRMAN STANDARDS COMMITTEE APPROVED:  DATE: AUG. 29, 2019

DEPUTY DIRECTOR

**PEDESTRIAN CONTROLS
STREET RUNNING
RAILROAD ALIGNMENT
UNSIGNALIZED
INTERSECTIONS**

STANDARD DRAWING TITLE

STD. DWG. NO. **RR 7**

SUPPLEMENTAL DRAWING