

CAD Filename  
SD-25084 Levee Ramps Rev1.dwg

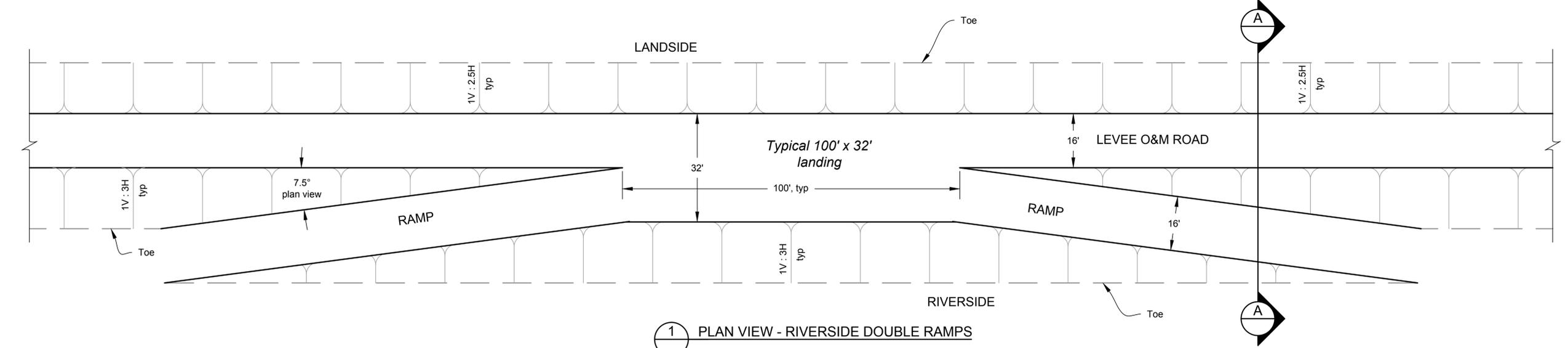
Sheet Name  
Ramp

Plot Style Table Name  
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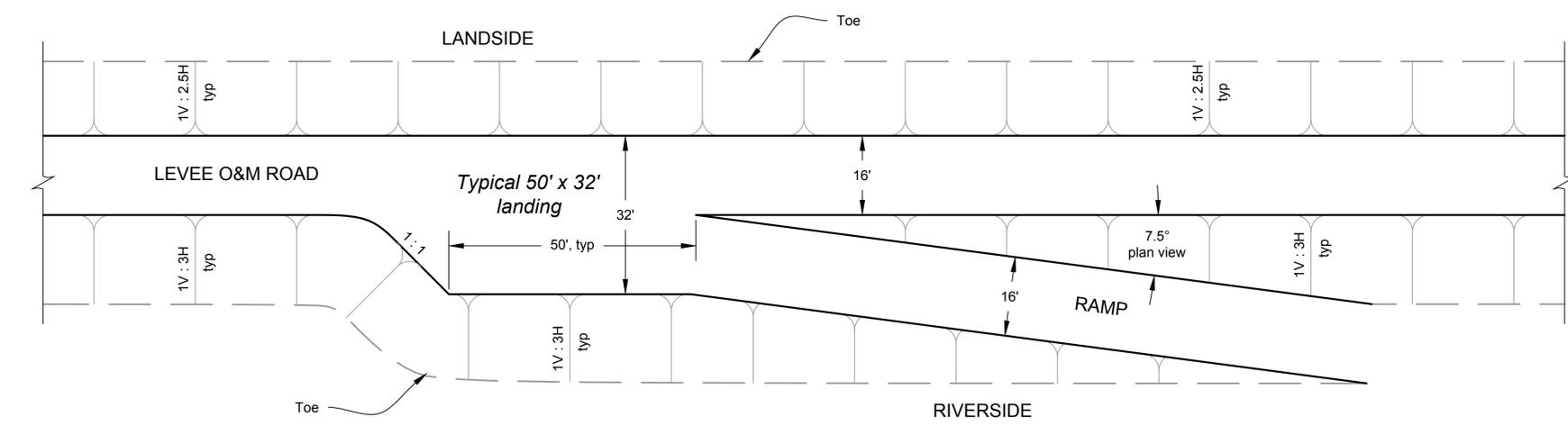
Paper Size  
ANSI Full Sheet D (36.00 x 24.00 inches)

Date and Time Plotted  
4/6/2018 10:00 AM

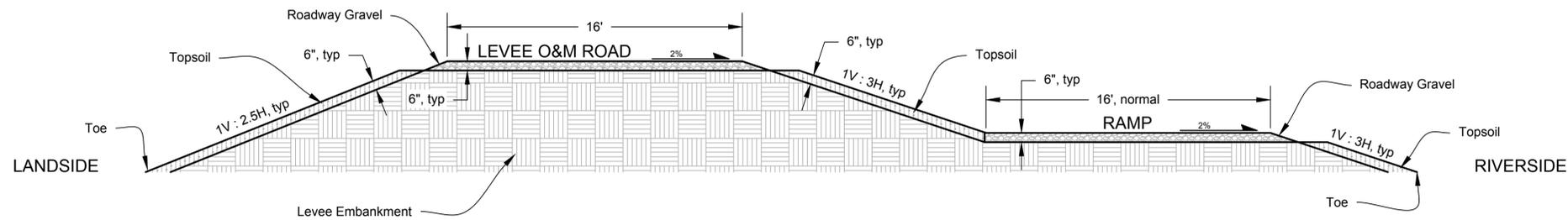
AutoCAD Version  
2018 (64-bit)



1 PLAN VIEW - RIVERSIDE DOUBLE RAMPS

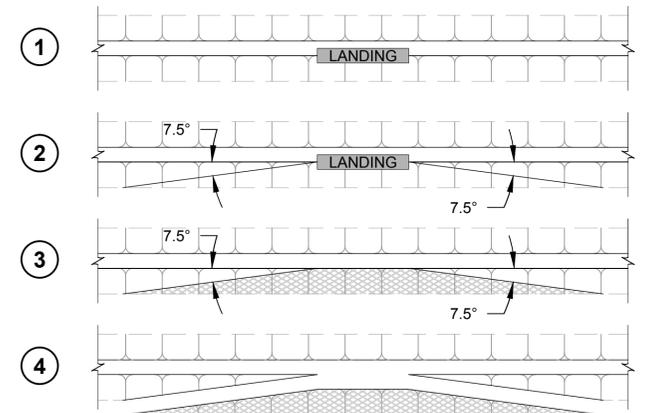


2 PLAN VIEW - RIVERSIDE SINGLE RAMP



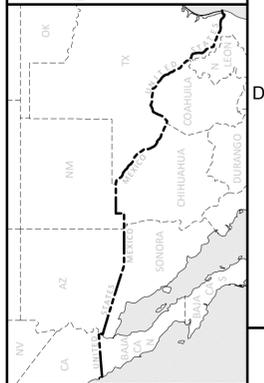
A CROSS SECTION

INSTRUCTIONS FOR CREATING RIVERSIDE RAMPS



- KEYED NOTES :**
- Chose location for landing area between ramps.
  - Draw ramp lines at 7.5° angle from riverside edge of O&M road.
  - Highlight levee area between ramp lines and toe.
  - Slide highlighted levee area 16' toward river, creating the ramps.

- GENERAL NOTES:**
- Dimensions shown are top of roadway gravel, not top of levee embankment.
  - Angle of 7.5° is measured in horizontal dimension only.
  - Standard ramp design on 1V:3H levee slopes will result in ramps with slope of 4.3%. In no case shall riverside ramp slopes exceed 6%. Landside ramp slopes shall not exceed 10%.
  - Ramps shall be constructed of same impervious material as levee.
  - When ramp is adjacent to another structure, ensure that design addresses scour protection for ramps.
  - Riverside single ramps shall only be used when site obstructions prevent construction of double ramps.
  - Top of levee embankment, landings, and top of roadway gravel shall be finished with a 2% cross slope draining to the riverside.
  - Riverside ramps are intended for non-public USIBWC maintenance use only. If the ramps are intended for public uses, designer shall ensure that ramps and landings meet AASHTO low volume road requirements.
  - Landside ramps shall be designed to fit the site and need. Landings are not required but ramp traffic shall enter onto levee in a safe manner.
  - Only licensed/permitted landside ramps are allowed.



INTERNATIONAL BOUNDARY AND WATER COMMISSION  
UNITED STATES AND MEXICO  
UNITED STATES SECTION

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STANDARD DRAWING

LEVEE RAMPS

NO.	DATE	DESIGNER AND DATE	DESCRIPTION OF REVISION
1	04-06-2018	Andrea Glover, PE	Revised ramp layout. Added double ramp detail, cross section, and notes.

USIBWC DESIGNED Andrea Glover DRAWN X Arand, PE & M Landis, PE CHECKED A Glover, PE & C. Cadillo, PE TECHNICAL APPROVAL
ADMIN APPROVAL
USIBWC HQ-ESD JUL 1998

RAMP DETAILS
SOLICITATION/RFP NUMBER N/A
CONTRACT NUMBER N/A
<b>25084</b>