

CAD Filename  
3D-25084 Levee Ramps Rev1.dwg

Sheet Set Name  
HWB

Plot Style Table Name  
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Paper Size  
ANSI Full Sheet B (17.00 x 11.00 inches)

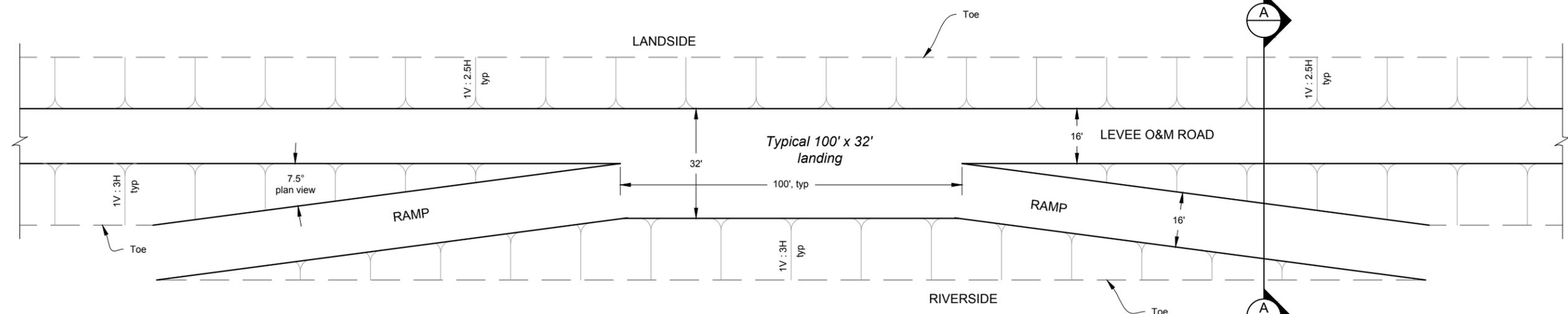
Date and Time Plotted  
4/26/2018 9:39 AM

AutoCAD Version  
2018 (Auto 15th)

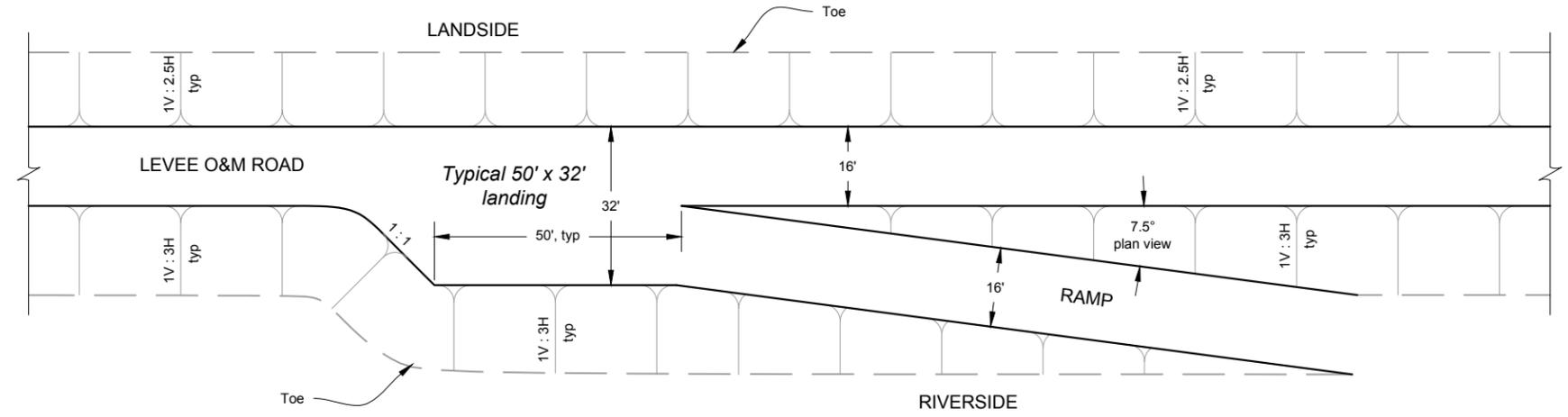
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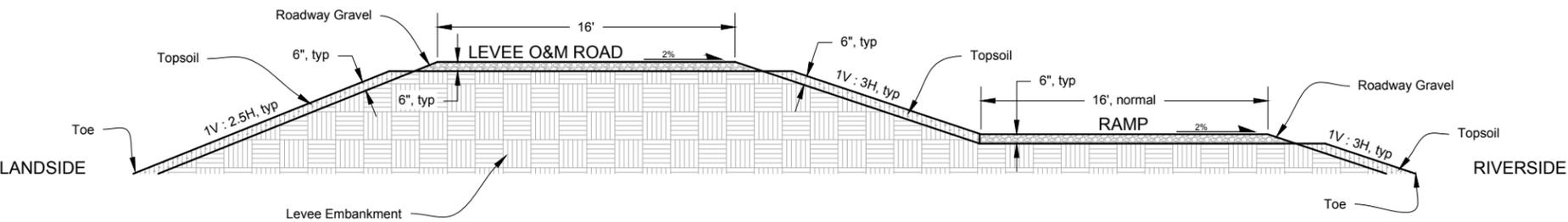
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1 PLAN VIEW - RIVERSIDE DOUBLE RAMPS

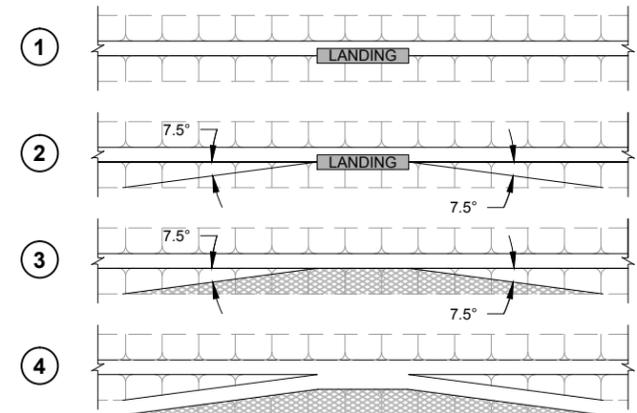


2 PLAN VIEW - RIVERSIDE SINGLE RAMP



A CROSS SECTION

INSTRUCTIONS FOR CREATING RIVERSIDE RAMPS

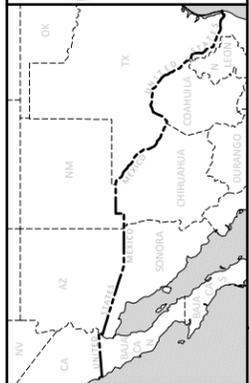


KEYED NOTES :

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

GENERAL NOTES:

- 1. Dimensions shown are top of roadway gravel, not top of levee embankment.
- 2. Angle of 7.5° is measured in horizontal dimension only.
- 3. 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%.
- 4. Ramps shall be constructed of same impervious material as levee.
- 5. When ramp is adjacent to another structure, ensure that design addresses scour protection for ramps.
- 6. Riverside single ramps shall only be used when site obstructions prevent construction of double ramps.
- 7. Top of levee embankment, landings, and top of roadway gravel shall be finished with a 2% cross slope draining to the riverside.
- 8. 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.
- 9. 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.
- 10. Only licensed/permitted landside ramps are allowed.



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

FOR USE ON ALL USIBWC PROJECTS

STANDARD DRAWING

LEVEE RAMPS

NO.	DATE	REVISIONS
1	04-06-2018	Revised ramp layout. Added double ramp detail, cross section, and notes.

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

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