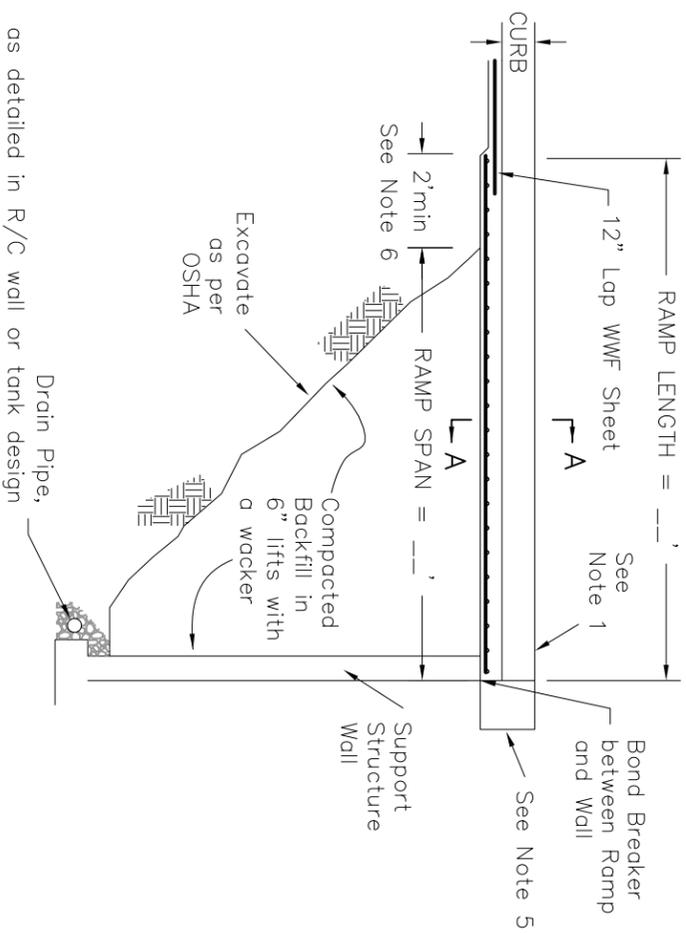
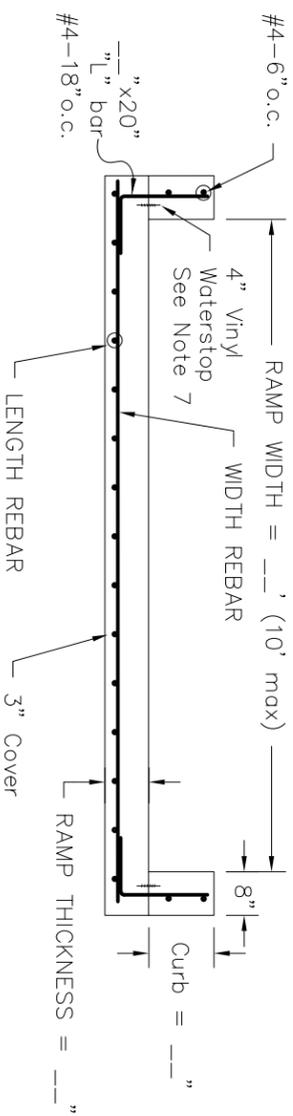


SIDE ELEVATION



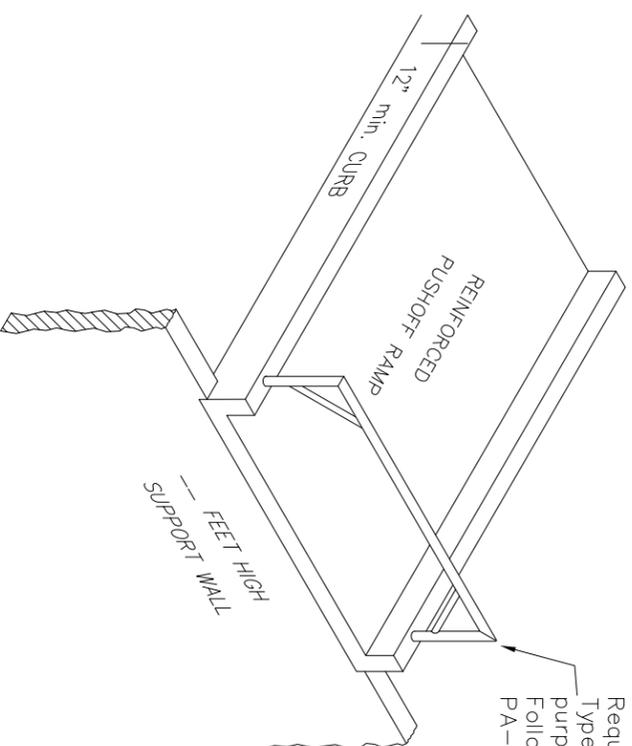
SECTION A-A



ADDITIONAL NOTES

1. PROVIDE SAFETY GUARD ACROSS END OF PUSHOFF
2. PUSHOFF SLOPE OF 1/8" PER FOOT towards/away STRUCTURE
3. SEE SPEC. 313 FOR MATERIALS SPECIFICATIONS
4. SEE PLAN VIEW FOR LOCATION
5. EXTEND PUSHOFF BEYOND SUPPORT WALL ___" (18" MAX)
6. IF UNDISTURBED SOIL HAS HIGH CONSOLIDATION POTENTIAL, INSTALL FOOTING, AS PER THE ENGINEER
7. IF ONE CONCRETE PLACEMENT, DELETE WATERSTOP

ISOMETRIC VIEW



Required Push-Off Safety Guard
Type of guard shown for illustration
purposes only.
Follow requirements/specifications in Drawing
PA-039 or as otherwise specified by design.

TABLE 1 PUSHOFF DETAILS

TRACTOR/TANKER LOADS (10,000 lb axle load at 4' spacing)

RAMP SPAN (ft)	RAMP LENGTH Minimum (ft)	RAMP THICKNESS (in)	LENGTH REBAR	WIDTH REBAR
6	8	5	#5 @ 8.5" o.c.	#3 @ 12" o.c.
8	10	6	#5 @ 9.5" o.c.	#3 @ 10" o.c.
10	12	6	#5 @ 7" o.c.	#3 @ 10" o.c.
12	14	8	#5 @ 9" o.c.	#4 @ 12" o.c.
14	16	8	#5 @ 7" o.c.	#4 @ 12" o.c.
16	18	10	#5 @ 7" o.c.	#4 @ 12" o.c.

TABLE 2 PUSHOFF DETAILS

LIGHT LOADS (150 psf)

RAMP SPAN (ft)	RAMP LENGTH Minimum (ft)	RAMP THICKNESS (in)	LENGTH REBAR	WIDTH REBAR
6	8	5	#4 @ 5" o.c.	#3 @ 15" o.c.
8	10	5	#4 @ 5" o.c.	#3 @ 12" o.c.
10	12	5	#5 @ 5" o.c.	#3 @ 12" o.c.
12	14	6	#5 @ 7" o.c.	#3 @ 10" o.c.
14	16	6	#5 @ 5" o.c.	#3 @ 10" o.c.
16	18	6	#6 @ 5" o.c.	#3 @ 10" o.c.

REVISION 1 JUNE 2012 HCK



_____ COUNTY, PENNSYLVANIA

PUSHOFF RAMP

Designed MWPS-36
 Drawn WAC
 Checked _____
 Approved by _____

Date 5/23/02

File No. PA-068-R1.dwg
 Drawing No. 01/08/13 15:31
PA-068-r1