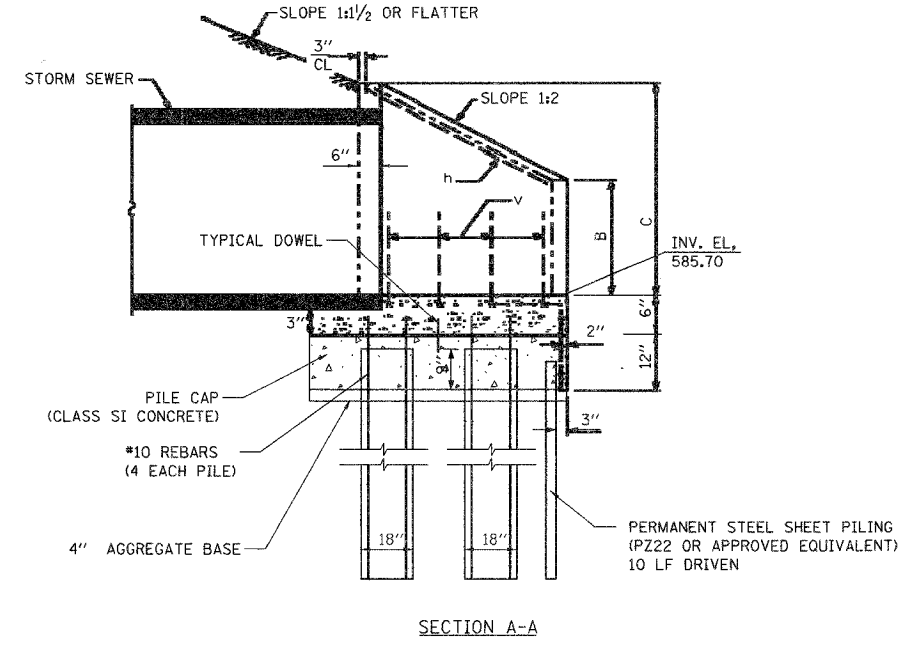
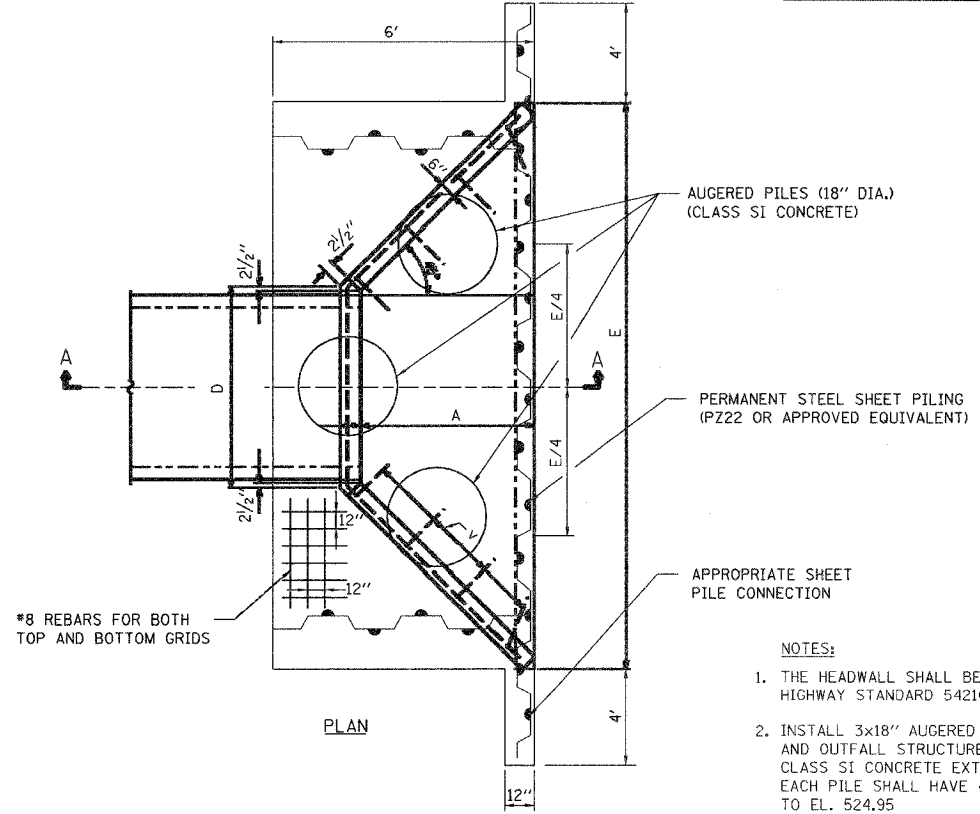


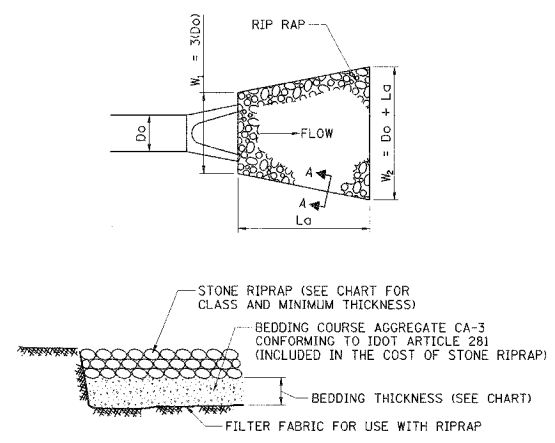
HEADWALL DETAILS



NOTES:

1. THE HEADWALL SHALL BE CONSTRUCTED IN ACCORDANCE WITH HIGHWAY STANDARD 542101.
2. INSTALL 3x18" AUGERED CAST PILES SUPPORTING THE PILE CAP AND OUTFALL STRUCTURE. PILES SHALL BE CONSTRUCTED OF CLASS SI CONCRETE EXTENDING FROM EL. 584.95 TO EL. 524.95 EACH PILE SHALL HAVE 4*10 REBARS EXTENDING FROM EL. 585.45 TO EL. 524.95
3. PILE CAP SHALL BE CONSTRUCTED OF REINFORCED CLASS SI CONCRETE AND 2 ROWS OF REBAR GRIDS AT TOP AND BOTTOM OF SLAB AND AROUND PILES. FOR BOTH GRIDS THE REBARS ARE ALL *8 REBARS @ 1' C.C. AT EACH DIRECTION. A TOTAL OF 12 *10 REBARS (DOWELS) SHALL BE INSTALLED TO CONNECT THE END SECTION TO THE PILE CAP. THE CAP WILL BE CONSTRUCTED ON A 4" AGGREGATE BASE COURSE.

RIPRAP DETAILS



SECTION A-A

LOCATION STA.	OFFSET	PIPE SIZE (IN)	DEFINED CHANNEL	W ₁ (FT)	W ₂ (FT)	L _o (FT)	CLASS	MINIMUM THICKNESS (IN)	BEDDING THICKNESS (IN)	QUANTITY (SQ. YD)
19+72.0	191.0' RT	24	NO	6	18	16	A3	15	-	24
29+85.0	200.0' RT	30	NO	7.5	20.5	18	A3	15	-	28
48+46.8	209.0' RT	36	NO	9	23	20	A4	20	6	36

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
CITY OF EVANSTON

DRAINAGE AND UTILITIES PROFILE

MCCORMICK BOULEVARD
STORM SEWER OUTFALLS

DATE 9/03/04
DRAWN BY GEW
CHECKED BY PAS

0 25' 50' HORIZ
0 5' VERT