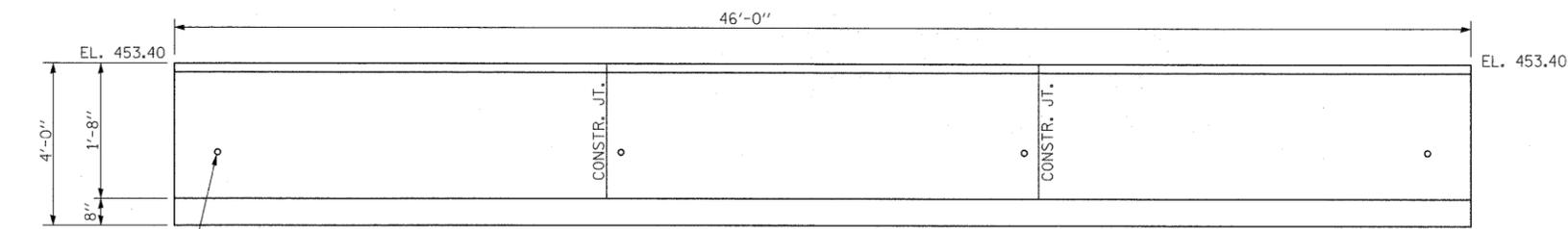
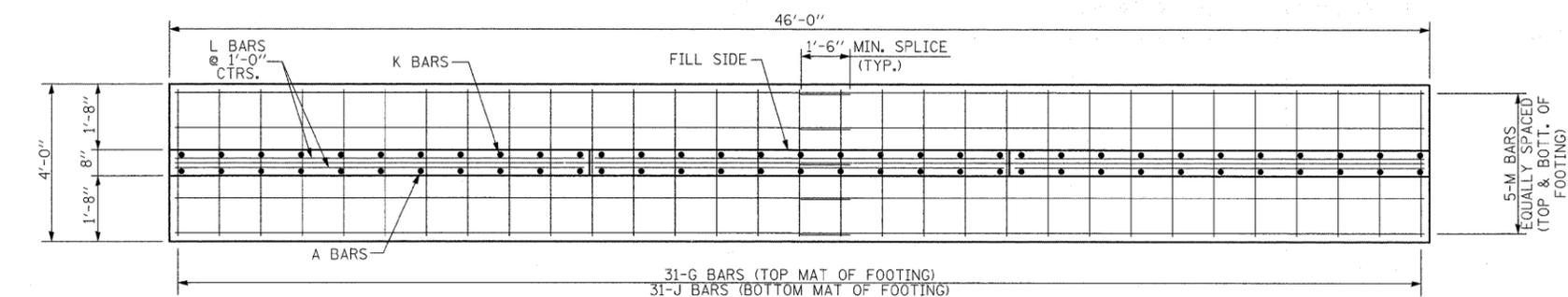


GENERAL NOTES

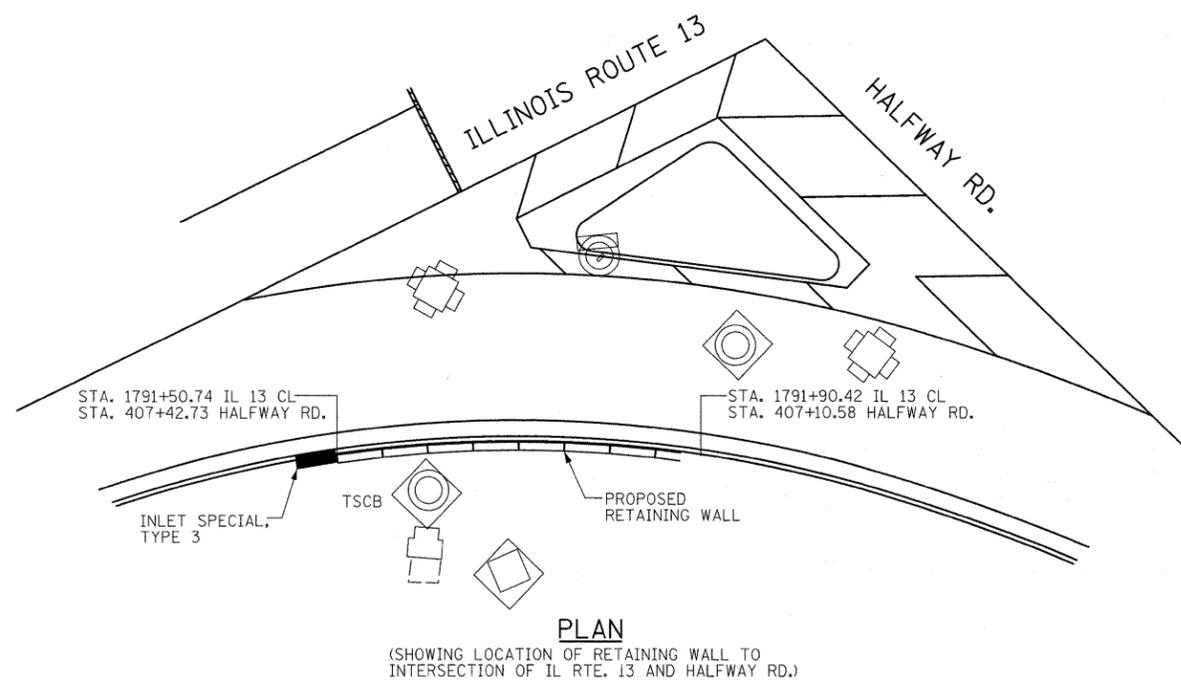
DESIGN SPECIFICATIONS - AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, CURRENT EDITION.
 CONCRETE - CONCRETE TO BE CLASS "SI"
 BACK FILL AND DRAINAGE - WEEP HOLES SHALL BE PROVIDED AT A SPACING NOT TO EXCEED 15'-0". SUITABLE UNDER DRAINS LOCATED BACK OF STEM AND CONNECTED TO ANOTHER PIPE SHALL BE USED IN ADDITION TO WEEP HOLES.
 REINFORCING STEEL - DIMENSIONS RELATING TO SPACING OF REINFORCING STEEL ARE FROM CENTER TO CENTER OF BARS. BENDING DIMENSIONS ARE FROM OUT TO OUT OF THE BARS. MINIMUM COVER FOR REINFORCING BARS SHALL BE 2 INCHES CLEAR UNLESS SHOWN OTHERWISE. BARS A ARE EXTENDED 35 BAR DIAMETERS BEYOND THE THEORETICAL CUT-OFF.
 DEPTH OF FOOTINGS - THE FOOTING SHALL BE FOUNDED AT AN ELEVATION SUCH THAT THE SOIL MATERIAL ENCOUNTERED CAN SAFELY SUPPORT THE DESIGN LOADS. OTHER FACTORS INFLUENCING THE SELECTED DEPTH ARE EROSION DUE TO STREAM FLOW, FROST ACTION, AND REQUIRED COVER.
 FOOTING KEYS - WHEN A FOOTING KEY IS REQUIRED, THE CONCRETE SHALL BE PLACED AGAINST UNDISTURBED SOIL.
 FOUNDATION PRESSURE - WHEN THE MAXIMUM BEARING PRESSURES EXCEED THE ALLOWABLE BEARING PRESSURE OF THE SOIL AT THE SITE, A PILE FOOTING MAY BE USED, OR THE WIDTH OF THE FOOTING MAY BE MODIFIED TO REDUCE THE MAXIMUM BEARING PRESSURES IN ACCORDANCE WITH VARIOUS LOADING CONDITIONS.
 WALL JOINTS - EXPANSION JOINTS AT A MAXIMUM SPACING OF 121'-4" AND CONSTRUCTION JOINTS AT A MAXIMUM SPACING OF 30'-4" SHALL BE PROVIDED IN THE WALLS. IF RUSTICATION GROVES ARE USED, THE JOINTS SHALL BE SPACED TO CORRESPOND WITH RUSTICATIONS. FOOTING AND FOOTING REINFORCEMENT SHALL BE CONTINUOUS.
 FOOTING SLOPE - THE BOTTOM OF THE FOOTING MAY BE CONSTRUCTED ON A LONGITUDINAL SLOPE, PROVIDED THE SLOPE DOES NOT EXCEED 6%.
 FOUNDATIONS ON ROCK - FOOTINGS PLACED ON NON-YIELDING MATERIAL MAY BE PERMITTED TO HAVE THE RESULTANT OF THE LOADS FALL WITHIN THE MIDDLE HALF. THE DESIGNS OF THE FOOTINGS ARE CONSIDERED SPECIAL AND DO NOT FALL WITHIN THE SCOPE OF THESE STANDARDS.



ELEVATION

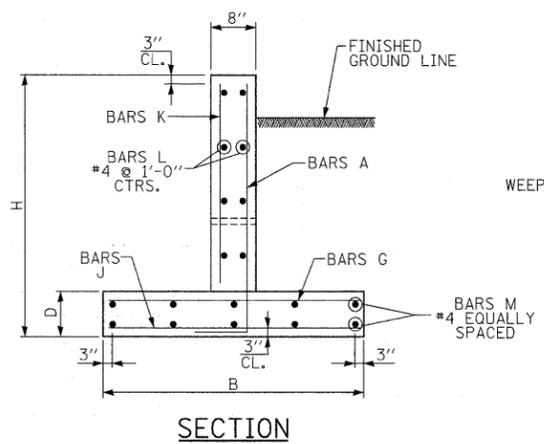


PLAN

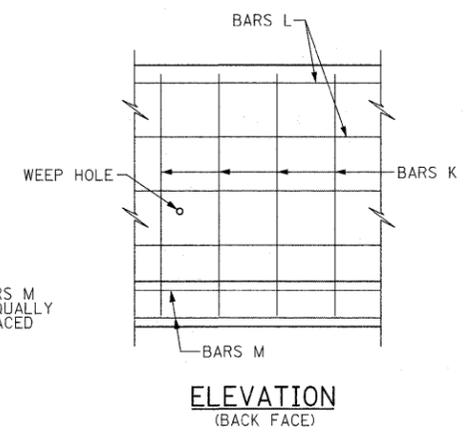


PLAN

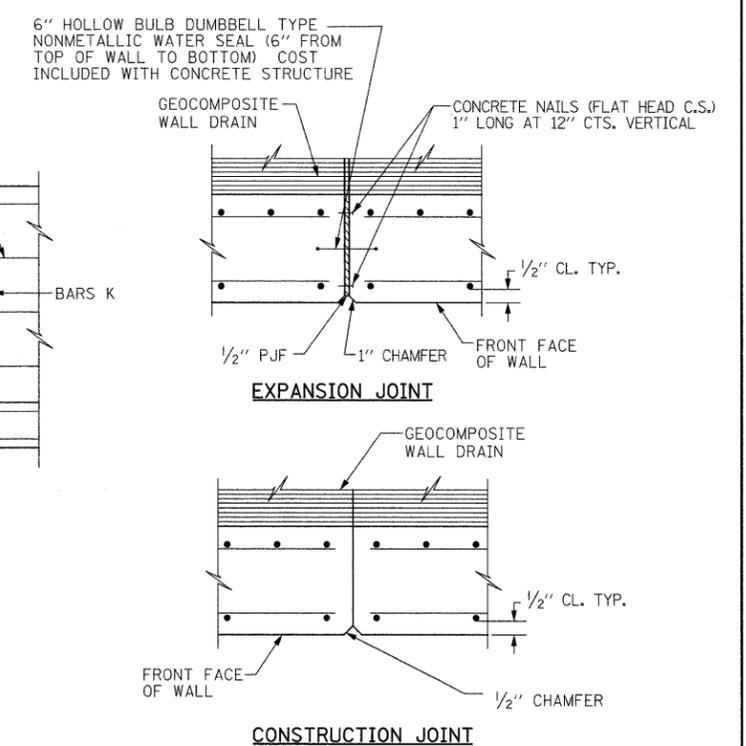
(SHOWING LOCATION OF RETAINING WALL TO INTERSECTION OF IL RTE. 13 AND HALFWAY RD.)



SECTION



ELEVATION (BACK FACE)



EXPANSION JOINT

CONSTRUCTION JOINT

WALL JOINT DETAILS

* CONCRETE AND STEEL QUANTITIES ARE SHOWN ON RETAINING WALL SCHEDULE

WALL DIMENSIONS				REINFORCING STEEL SCHEDULE																			
H	B	T	D	BARS A					BARS G			BARS J			BARS K			BARS L			BARS M		
				Size	Spacing	A	B	Length	Size	Spacing	Length												
4'-0"	4'-0"	1'-8"	8"	4	1'-6"	3'-7"	1'-7"	5'-1"	4	1'-6"	3'-8"	4	1'-6"	3'-8"	4	1'-6"	3'-1"	4	1'-0"	15'-0"	4	EQUALLY	24'-3"
NUMBER OF BARS				31					31			31			31			24			20		

NOTE: THE REINFORCING SCHEDULES SHOWN ARE FOR THE CORRESPONDING WALL DIMENSIONS LISTED. IF THE FOOTING DIMENSIONS ARE VARIED TO OBTAIN A MORE DESIRABLE SOIL PRESSURE, A CORRESPONDING CHANGE MUST BE MADE IN THE FOOTING DESIGN TO ADJUST REINFORCING. A BILL OF STEEL FOR THE REINFORCING SHALL BE PREPARED BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER FOR APPROVAL.

FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILS: HALFWAY ROAD RETAINING WALL			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILEL#		DRAWN -	REVISED -		SCALE: N.T.S.	SHEET NO. 1 OF 1 SHEET	STA. TO STA.	*	(X1-6-2)K-1(1X-1)R-4	WILLIAMSON	194	131	
		CHECKED -	REVISED -					* I-57/IL 13 (FAI 57/FAP 331)					CONTRACT NO. 78194
		DATE -	REVISED -										ILLINOIS FED. AID PROJECT