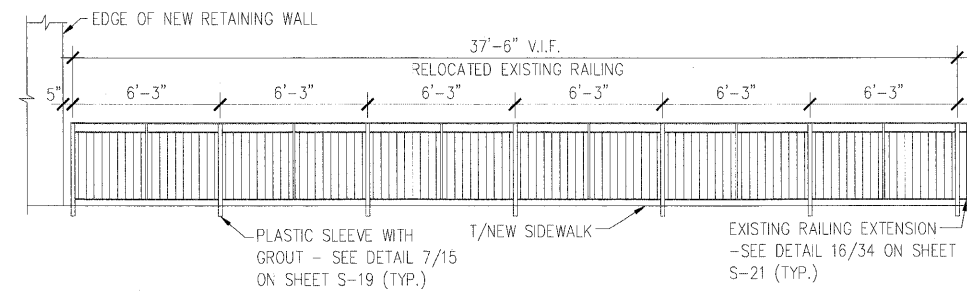
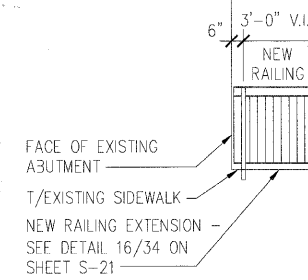


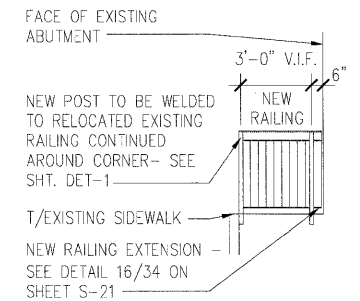
RAILING 'A' ELEVATION (LOOKING SOUTH)
SCALE: 1/4" = 1'-0"



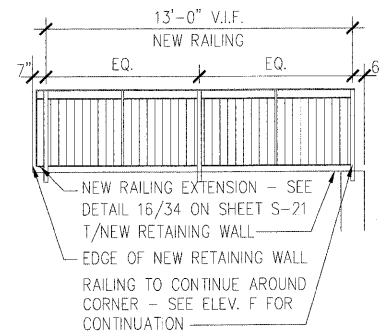
RAILING 'B' ELEVATION (LOOKING NORTH)
SCALE: 1/4" = 1'-0"



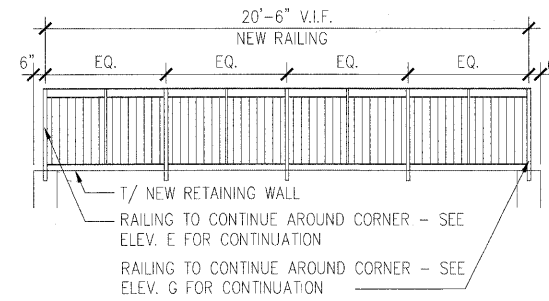
RAILING 'C' ELEVATION (LOOKING WEST)
SCALE: 1/4" = 1'-0"



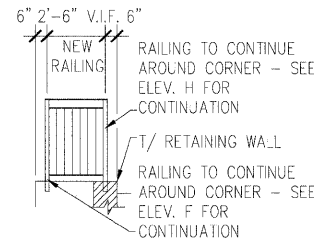
RAILING 'D' ELEVATION (LOOKING EAST)
SCALE: 1/4" = 1'-0"



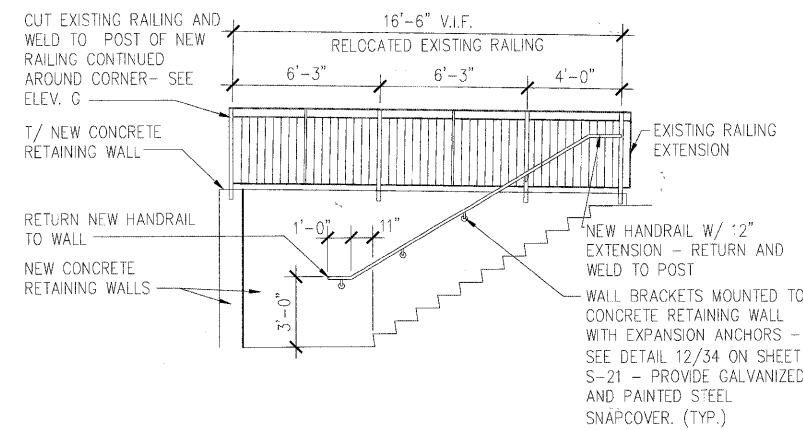
RAILING 'E' ELEVATION (LOOKING WEST)
SCALE: 1/4" = 1'-0"



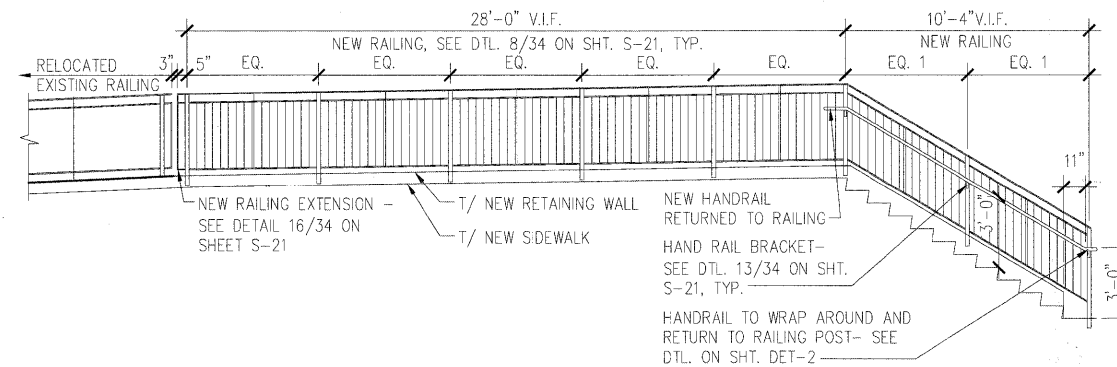
RAILING 'F' ELEVATION (LOOKING SOUTH)
SCALE: 1/4" = 1'-0"



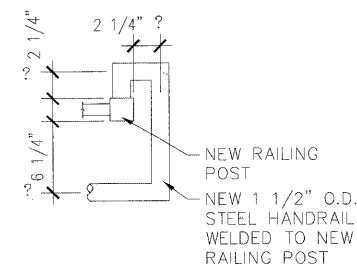
RAILING 'G' ELEVATION (LOOKING EAST)
SCALE: 1/4" = 1'-0"



RAILING 'H' ELEVATION (LOOKING SOUTH)
SCALE: 1/4" = 1'-0"



RAILING 'J' ELEVATION (LOOKING NORTH)
SCALE: 1/4" = 1'-0"



NEW HANDRAIL RETURN DETAIL
SCALE: 1 1/2" = 1'-0"

NEW RAILING NOTES

1. ALL NEW RAILING TO BE CONSTRUCTED TO MATCH EXISTING RAILING. SEE TYPICAL RAILING DETAILS ON STRUCTURAL DRAWINGS.
2. ALL NEW RAILING TO BE GALVANIZED AND PAINTED.
3. CONTRACTOR TO VERIFY ALL DIMENSIONS IN FIELD PRIOR TO FABRICATION.
4. SEE STRUCTURAL DRAWINGS FOR ADDITIONAL RAILING WORK ON THE EXISTING ADA RAMP.
5. ALL NEW RAILING ON SLOPED RETAINING WALLS SHALL FOLLOW THE SLOPE WITH THE VERTICAL POSTS PLUMB.
6. REFER TO STANDARD RAILING DETAILS ON SHEETS S-19 THROUGH S-22 FOR RAILING DETAILS, COMPONENT SIZES AND CONNECTION DETAILS.
7. RAILINGS SHALL BE FABRICATED IN THEIR ENTIRETY PRIOR TO GALVANIZING. CONTRACTOR SHALL PROVIDE RAILING EXPANSION JOINTS AS INDICATED IN DETAIL 5/35 ON SHEET S-22 WHERE NEEDED FOR JOINING RAILING PORTIONS IN THE FIELD. FIELD WELDING SHALL BE AVOIDED.
8. ALL NEW RAILING TO BE PAID FOR UNDER "STEEL RAILING". HANDRAILS AND ALL ASSOCIATED HARDWARE AT STAIRS SHALL BE INCLUDED IN THE COST OF THIS PAY ITEM.
9. ALL PAINTING OF NEW HANDRAIL WILL BE PAID FOR UNDER "PAINTING STEEL RAILING"

RELOCATED EXISTING RAILING:

1. ALL EXISTING RAILING INDICATED TO BE REMOVED AND RELOCATED SHALL BE SALVAGED IN ITS ENTIRETY WITHOUT DAMAGING ANY OF ITS COMPONENTS AND SHALL BE STORED IN A SAFE LOCATION.
2. REPAIR ALL DAMAGE TO EXISTING RAILING PRIOR TO RE-INSTALLATION.
3. CONTRACTOR SHALL CUT, RECONFIGURE, RE-WELD AND OTHERWISE MODIFY THE EXISTING RAILING COMPONENTS AS REQUIRED TO ACHIEVE THE FINAL CONFIGURATION SHOWN ON THESE DRAWINGS.
4. ALL EXISTING RAILING IS GALVANIZED AND PAINTED. THE CONTRACTOR SHALL REPAIR ALL GALVANIZING DAMAGED DURING REMOVAL OR RECONFIGURATION WORK PRIOR TO PAINTING THE RAILING.
5. ALL RELOCATED RAILING TO BE PAINTED. PAINTING TO BE PAID FOR UNDER "PAINTING STEEL RAILING", WHICH SHALL INCLUDE REMOVAL OF PREVIOUS PAINT AS REQUIRED AND ALL PREPARATORY WORK.
6. REFER TO STANDARD RAILING DETAILS ON SHEETS S-19 THROUGH S-22 FOR COMPONENT SIZES AND CONNECTION DETAILS.
7. THE CONTRACTOR SHALL TAKE INVENTORY OF EXISTING RAILING PRIOR TO REMOVAL TO ENSURE ENOUGH MATERIAL IS SALVAGEABLE TO ACCOMMODATE NEW RAILING CONFIGURATION AND SHALL IMMEDIATELY NOTIFY THE ENGINEER IF A DISCREPANCY OR SHORTAGE EXISTS. ALL EXTRA NON-REUSABLE RAILING MATERIAL SHALL BE DISPOSED OF PROPERLY.
8. ALL RELOCATED RAILING TO BE PAID FOR UNDER "REMOVING AND RE-ERECTING EXISTING RAILING", WHICH SHALL INCLUDE ALL WORK NECESSARY TO ACHIEVE THE RAILING CONFIGURATION SHOWN, INCLUDING REMOVAL, CLEANING, MODIFICATION, REINSTALLATION AND GALVANIZING REPAIR.
9. CONTRACTOR TO VERIFY ALL DIMENSIONS IN FIELD PRIOR TO START OF WORK.
10. SEE STRUCTURAL DRAWINGS FOR ADDITIONAL RAILING WORK ON THE EXISTING ADA RAMP.

FILE NAME =	USER NAME = JMiddlet
D:\sht-railings2.dgn	
PLOT SCALE = 1:48	CHECKED = FH
PLOT DATE = 4/13/2010	DATE = 04/09/10

DESIGNED - PS	REVISED -
DRAWN - PS	REVISED -
CHECKED - FH	REVISED -
DATE - 04/09/10	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED RAILING PLAN AND DETAILS

SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1257	08-00083-00-BT	LAKE	51	11
FED. ROAD DIST. NO. 1			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 63450	