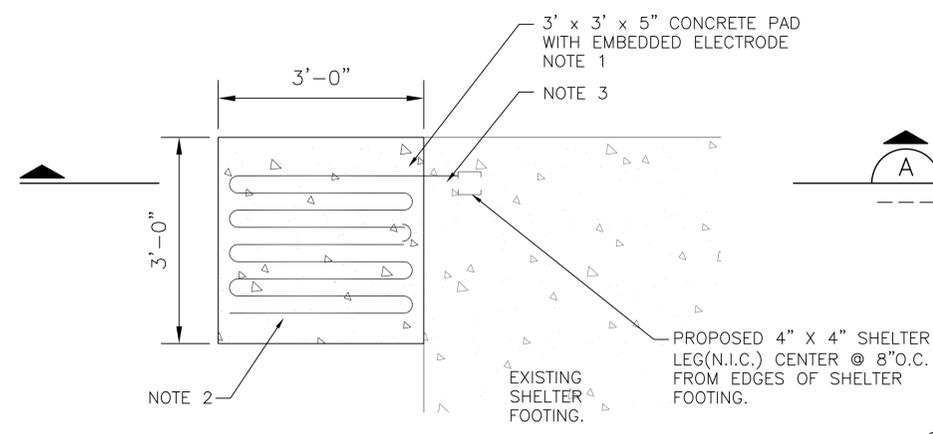
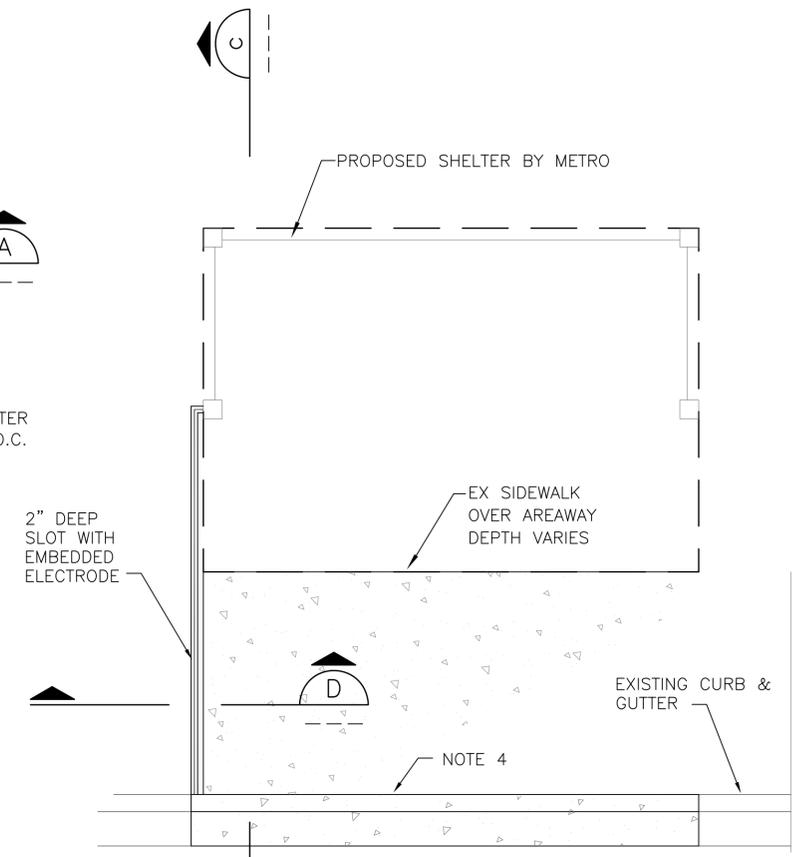


**NOTES:**

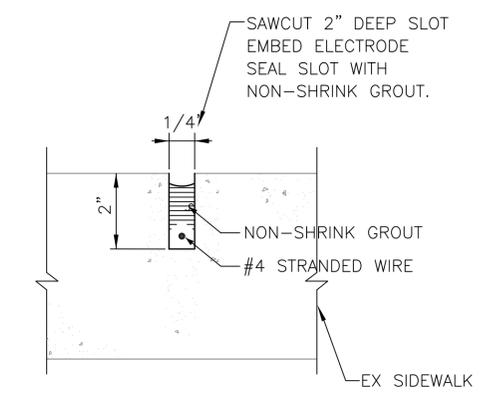
1. SAWCUT TO REMOVE EXISTING ASPHALT/CONCRETE SIDEWALK FOR CONSTRUCTION OF NEW GROUNDING PAD. CONSTRUCT 5" DEPTH CONCRETE PAD WITH EMBEDDED COPPER ELECTRODE. CONSTRUCT PAD FLUSH WITH SHELTER FOOTING AND ADJACENT HARD SURFACE.
2. EMBED 23' #4 COPPER GROUNDING ELECTRODE 2" FROM THE BOTTOM AND 2" MIN FROM THE EDGES OF THE CONCRETE PAD, IN PARALLEL ROWS AT 3" APART. EXTEND COPPER ELECTRODE FROM LOOP TO PROPOSED LOCATION OF SHELTER LEG. LEAVE 6" OF COPPER ELECTRODE EXPOSED UPON COMPLETION OF CONCRETE PAD. PROVIDE TRAFFIC CONE ON SITE FOR USE IN COVERING THE EXPOSED WIRE UNTIL REINSTALLATION OF SHELTER.
3. SAWCUT 8" x 2" x 1/4" GROOVE IN EXISTING SHELTER FOOTING. CLEAN THE GROOVE AND EMBED COPPER ELECTRODE LEAVING 6" EXPOSED ABOVE SURFACE. FILL GROOVE WITH NON-SHRINK GROUT.
4. REMOVE A 10' SECTION OF CURB/GUTTER FROM THE NEAREST JOINT. REPLACE WITH SDOT STANDARD CURB OR CURB/GUTTER THAT HAS BEEN EMBEDDED WITH A GROUNDING ELECTRODE (NEC 250.52(A)(3)). MATCH TO EXISTING. SEE SEC B/D113 AND SEC. C/D113
5. LEAVE 6" STRAND OF WIRE EXPOSED. TAPE WIRE ONTO SIDEWALK WITH DUCT TAPE. PAINT DUCT TAPE WITH ORANGE PAINT. PLACE A TRAFFIC CONE OVER PAINTED AREA UNTIL REINSTALLATION OF SHELTER BY METRO.
6. IMPLEMENTATION OF GROUNDING RETROFIT OVER AREAWAY SHALL BE REVIEWED AND APPROVED BY A STRUCTURAL ENGINEER ON A CASE BY CASE BASIS.



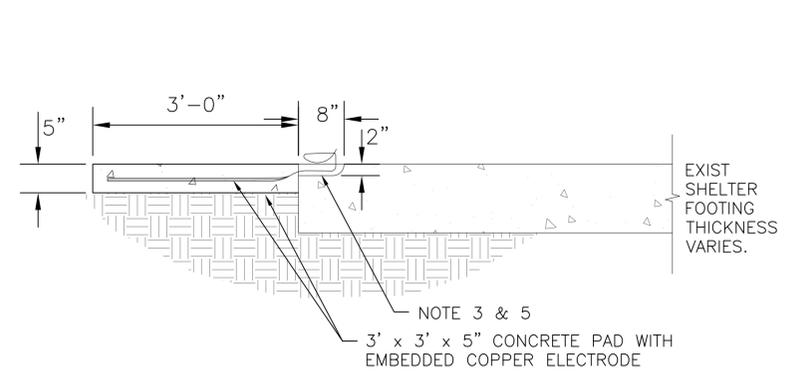
**GROUNDING PAD  
DETAIL**  
SCALE: 3/4"=1'-0"



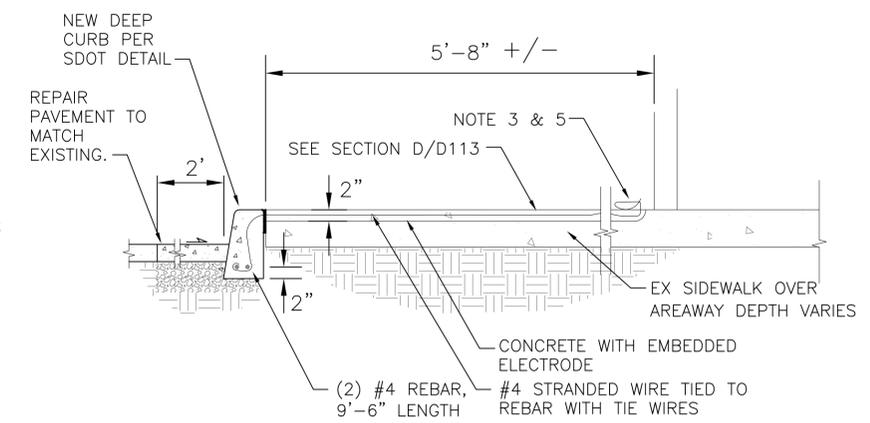
**GROUNDING RETROFIT FOR  
AREA OVER WALKWAY(NOTE 6)**  
SCALE: 3/8"=1'-0"



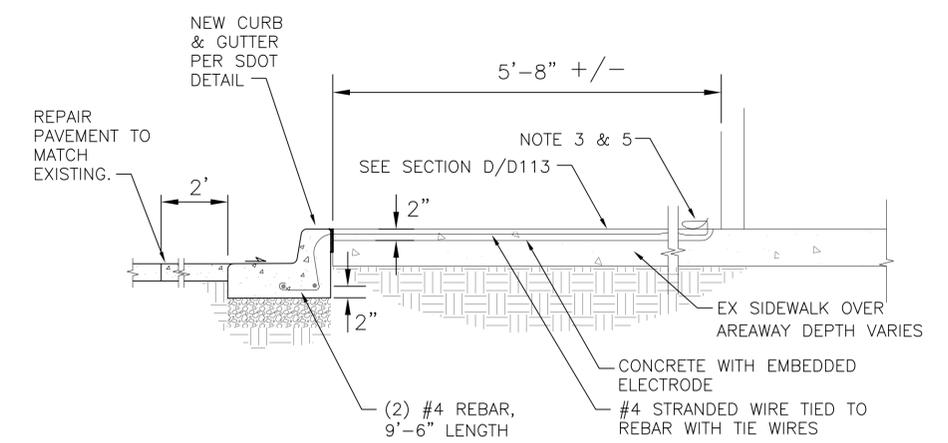
**SECTION**  
SCALE: 3/4"=1'-0"



**SECTION**  
SCALE: 3/4"=1'-0"



**SECTION**  
SCALE: 3/4"=1'-0"



**SECTION**  
SCALE: 3/4"=1'-0"

ONE INCH  
AT FULL SIZE. IF NOT ONE  
INCH SCALE ACCORDINGLY

**NOT FOR  
CONSTRUCTION**

No.	REVISION	BY	APP'D	DATE

DESIGNED: P ENG	CHECKED: C REYNOLDS
DRAWN: LSA	SCALE:
RECOMMENDED: D CRIPPEN	NOTED
APPROVED: R ISLER	CONTRACT NO: C00256C07



Department of Transportation - Transit Division  
STANDARDS FOR CONSTRUCTION  
OF TRANSIT PASSENGER FACILITIES

**SOLAR LIGHTING GROUNDING  
RETROFIT DETAILS**

DATE: JAN 08
FILE NO: D112C
DRAWING NO: D112
SHEET NO: 12 OF 12

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