

| F.A.T. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------------|---------|---------------------------|--------------|-----------|
| 57 | * | WILL | 303 | 211 |
| STA. | | TO STA. | | |
| FED. ROAD DIST. NO. 1 | | ILLINOIS FED. AID PROJECT | | |

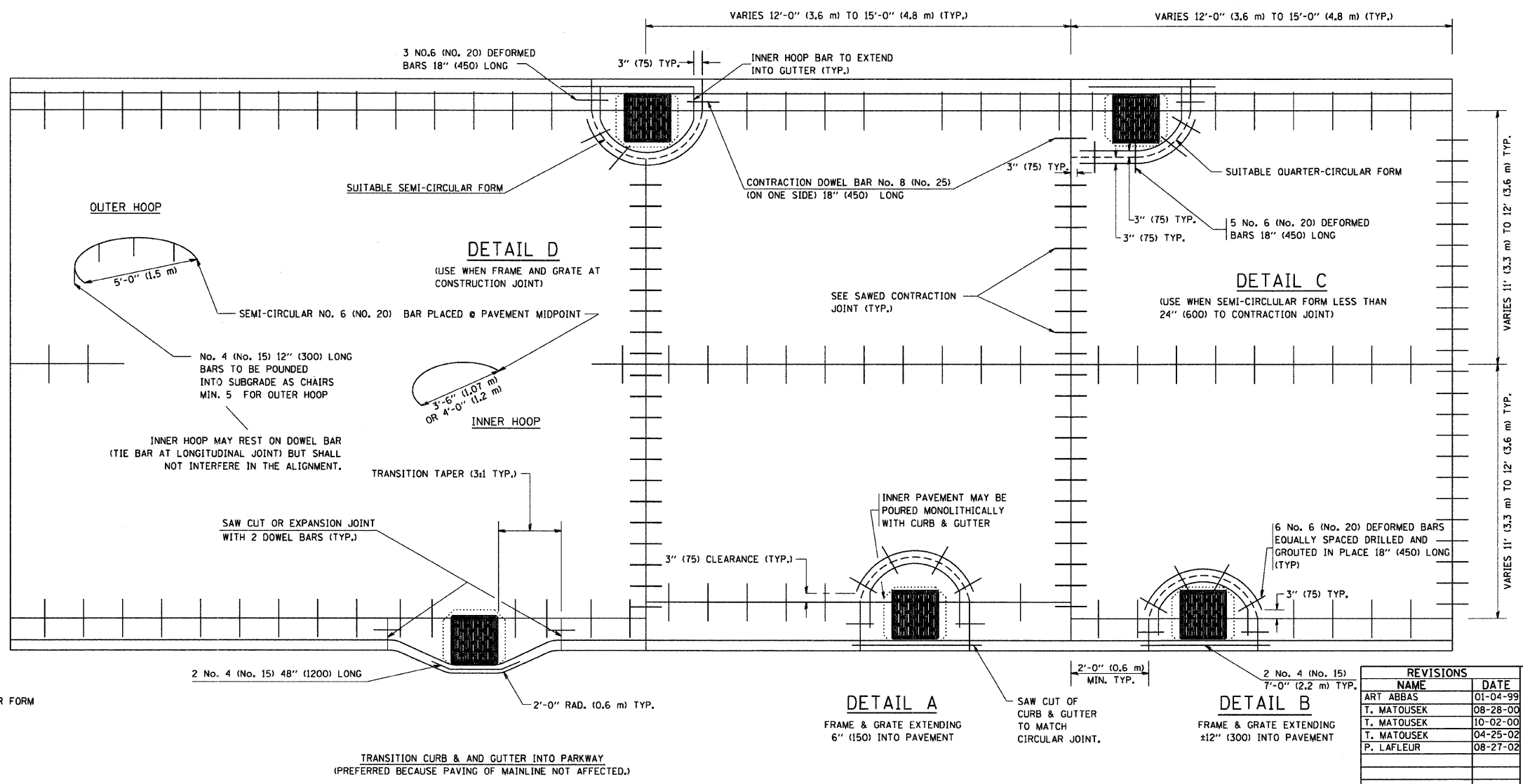
* 99(1&2) R-3&9-1HB-1-BR-2

| FRAME EXTENSION INTO PAVEMENT | INNER HOOP REINFORCEMENT DIAMETER | SEMI CIRCULAR FORM DIAMETER | OUTER HOOP REINFORCEMENT DIAMETER |
|-------------------------------|-----------------------------------|-----------------------------|-----------------------------------|
| UP TO 8" (200) | 3'-6" (1.1 m) | 4'-0" (1.2 m) | 5'-0" (1.5 m) |
| > 8" (200) TO 14" (360) | 4'-0" (1.2 m) | 4'-6" (1.4 m) | 5'-0" (1.5 m) |

DESIGNER NOTE:
THIS DETAIL IS TO BE USED WHEN THE GUTTER FLAG IS LESS THAN 24"

NOTES :

1. THE ROUNDOUT AND ADDED REINFORCEMENT WILL NOT BE PAID SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE PAVEMENT.
2. TRANSVERSE JOINTS MAY BE MOVED TO ACCOMMODATE ROUNDOUT, EDGE OF CIRCULAR JOINT SHALL BE MINIMUM 12" (300) FROM TRANSVERSE JOINT. RELOCATED TRANSVERSE JOINT SHALL BE CONTINUOUS FROM EDGE OF PAVEMENT TO EDGE OF PAVEMENT.
3. SEMI-CIRCULAR FORM SHALL BE REMOVED PRIOR TO DRILL AND GROUT OF TIE BARS.
4. ALL REINFORCED BARS SHALL BE EPOXY COATED.
5. DRILL AND GROUT IS PREFERRED, HOWEVER TIE BARS CAN BE POURED IN PLACE IF CLEARANCE IS PROVIDED TO OUTER EDGE OF FRAME. MINIMUM 2" (50) CLEARANCE.
6. WOOD SHIMS SHALL BE USED TO ADJUST ALL FRAMES. AFTER ADJUSTING MORTAR HAS CURED, THE WOOD SHIMS SHALL BE REMOVED AND THE VOIDS UNDER THE FRAMES FILLED WITH NON SHRINK GROUT.
7. HOOP REINFORCEMENT SHALL BE ONE PIECE CONSTRUCTION.
8. CIRCULAR FRAMES AND GRATES MAY BE SUBSTITUTED.
9. CURB DOWELS MUST BE PLACED LEVEL & TRUE TO ALLOW CONTRACTION MOVEMENT.



LEGEND:
 CASTING
 - - - - - SUITABLE SEMI-CIRCULAR FORM

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE NOTED

ILLINOIS DEPARTMENT OF TRANSPORTATION
PCC PAVEMENT ROUNDOUTS AT CURB AND GUTTER

| REVISIONS | |
|-------------|----------|
| NAME | DATE |
| ART ABBAS | 01-04-99 |
| T. MATOUSEK | 08-28-00 |
| T. MATOUSEK | 10-02-00 |
| T. MATOUSEK | 04-25-02 |
| P. LAFLEUR | 08-27-02 |

SCALE: VERT. NONE
 HORIZ. DRAWN BY: TOM MATOUSEK
 CHECKED BY: A. ABBAS

PLOT DATE = 8/14/2007
 FILE NAME = K:\projects\bd48\bd48.dgn
 PLOT SCALE = 48.94999 / IN.
 USER NAME = baabcdl