

CALL BEFORE YOU DIG

CONTRACTOR SUBMITTAL NOTE

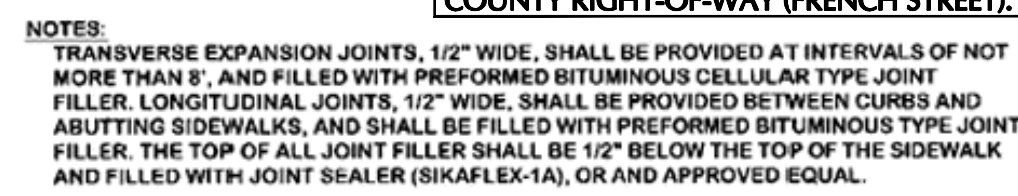


MIDDLESEX COUNTY  
TYPICAL PAVEMENT SECTION DETAIL

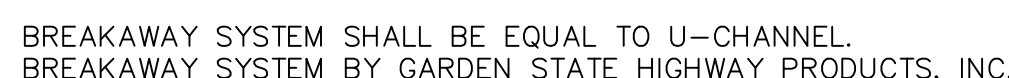


Diagram illustrating the cross-section of a full slab replacement. The diagram shows a cross-section of a road with a central section labeled "REPLACE FULL SLAB". This section is flanked by "EXISTING SIDEWALK" on both sides. The existing sidewalk is shown with a "SAW CUT (SEE NOTE)" at its edge. The replacement slab is shown with a "SAW CUT" at its edge. The slab is supported by a "COMPACTED SUBGRADE" and a "CLASS B (4500 PSI) AIR-ENTRAINED CONCRETE (SEE SIDEWALK DETAIL)". The slab is also shown with "1/2 INCH WIDE PERFORMED US CELLULAR-JOINT TYPE JOINT ABUTTING SIDEWALKS AND". The diagram includes a vertical dimension of "4\"/>

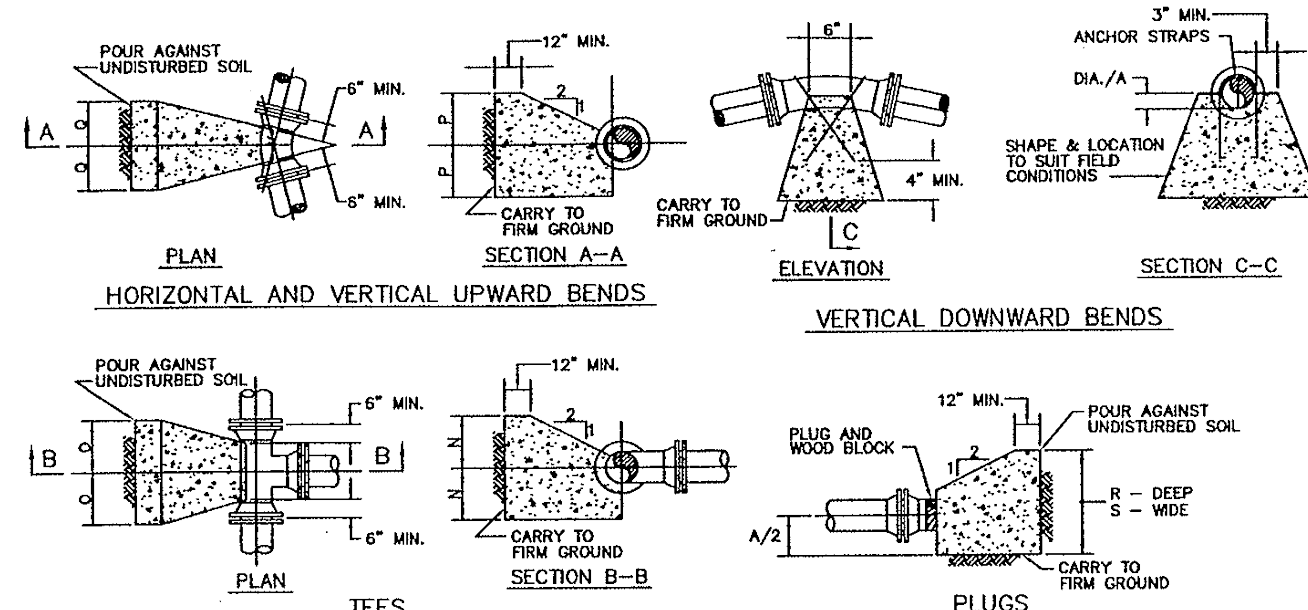
## SIDEWALK REPAIR DETAIL



MIDDLESEX COUNTY  
REINFORCED CONCRETE SIDEWALK DETAIL



CONNECTION TO  
EXISTING SIDEWALK



|             |                 | INLET BLOCKS FOR TESTS, HOLE & METAL BENCHES AND PLUGS<br>THRUST BLOCKS FOR REQUIRED TEST PRESSURE AND 2000 PSI SH. PRESSURE |                 |         |                 |         |                 |         |                 |                       |                 |         |                 |         |                 |         |                 |
|-------------|-----------------|------------------------------------------------------------------------------------------------------------------------------|-----------------|---------|-----------------|---------|-----------------|---------|-----------------|-----------------------|-----------------|---------|-----------------|---------|-----------------|---------|-----------------|
|             |                 | JOB PSI TEST PRESSURE                                                                                                        |                 |         |                 |         |                 |         |                 | JOB PSI TEST PRESSURE |                 |         |                 |         |                 |         |                 |
| DESCRIPTION | DIMENSION       | 1" x 1"                                                                                                                      | 1 1/2" x 1 1/2" | 2" x 2" | 2 1/2" x 2 1/2" | 3" x 3" | 3 1/2" x 3 1/2" | 4" x 4" | 4 1/2" x 4 1/2" | 5" x 5"               | 5 1/2" x 5 1/2" | 6" x 6" | 6 1/2" x 6 1/2" | 7" x 7" | 7 1/2" x 7 1/2" | 8" x 8" | 8 1/2" x 8 1/2" |
| TEST        |                 | 1.0                                                                                                                          | 1.5             | 2.0     | 2.5             | 3.0     | 3.5             | 4.0     | 4.5             | 5.0                   | 5.5             | 6.0     | 6.5             | 7.0     | 7.5             | 8.0     | 8.5             |
| 70" BENCH   |                 | 1.0                                                                                                                          | 1.5             | 2.0     | 2.5             | 3.0     | 3.5             | 4.0     | 4.5             | 5.0                   | 5.5             | 6.0     | 6.5             | 7.0     | 7.5             | 8.0     | 8.5             |
| 40" BENCH   |                 | 1.0                                                                                                                          | 1.5             | 2.0     | 2.5             | 3.0     | 3.5             | 4.0     | 4.5             | 5.0                   | 5.5             | 6.0     | 6.5             | 7.0     | 7.5             | 8.0     | 8.5             |
| 22" BENCH   |                 | 1.0                                                                                                                          | 1.5             | 2.0     | 2.5             | 3.0     | 3.5             | 4.0     | 4.5             | 5.0                   | 5.5             | 6.0     | 6.5             | 7.0     | 7.5             | 8.0     | 8.5             |
| 11" BENCH   |                 | 1.0                                                                                                                          | 1.5             | 2.0     | 2.5             | 3.0     | 3.5             | 4.0     | 4.5             | 5.0                   | 5.5             | 6.0     | 6.5             | 7.0     | 7.5             | 8.0     | 8.5             |
| 5" BENCH    |                 | 1.0                                                                                                                          | 1.5             | 2.0     | 2.5             | 3.0     | 3.5             | 4.0     | 4.5             | 5.0                   | 5.5             | 6.0     | 6.5             | 7.0     | 7.5             | 8.0     | 8.5             |
|             | MIL. CON. BLOCK | 1.4                                                                                                                          | 2.1             | 2.8     | 3.5             | 4.2     | 5.0             | 5.7     | 6.4             | 7.1                   | 7.8             | 8.5     | 9.2             | 9.9     | 10.6            | 11.3    | 12.0            |
|             | MIL. CON. BLOCK | 1.4                                                                                                                          | 2.1             | 2.8     | 3.5             | 4.2     | 5.0             | 5.7     | 6.4             | 7.1                   | 7.8             | 8.5     | 9.2             | 9.9     | 10.6            | 11.3    | 12.0            |
|             | MIL. CON. BLOCK | 1.4                                                                                                                          | 2.1             | 2.8     | 3.5             | 4.2     | 5.0             | 5.7     | 6.4             | 7.1                   | 7.8             | 8.5     | 9.2             | 9.9     | 10.6            | 11.3    | 12.0            |
|             | MIL. CON. BLOCK | 1.4                                                                                                                          | 2.1             | 2.8     | 3.5             | 4.2     | 5.0             | 5.7     | 6.4             | 7.1                   | 7.8             | 8.5     | 9.2             | 9.9     | 10.6            | 11.3    | 12.0            |
|             | MIL. CON. BLOCK | 1.4                                                                                                                          | 2.1             | 2.8     | 3.5             | 4.2     | 5.0             | 5.7     | 6.4             | 7.1                   | 7.8             | 8.5     | 9.2             | 9.9     | 10.6            | 11.3    | 12.0            |
|             | MIL. CON. BLOCK | 1.4                                                                                                                          | 2.1             | 2.8     | 3.5             | 4.2     | 5.0             | 5.7     | 6.4             | 7.1                   | 7.8             | 8.5     | 9.2             | 9.9     | 10.6            | 11.3    | 12.0            |
|             | MIL. CON. BLOCK | 1.4                                                                                                                          | 2.1             | 2.8     | 3.5             | 4.2     | 5.0             | 5.7     | 6.4             | 7.1                   | 7.8             | 8.5     | 9.2             | 9.9     | 10.6            | 11.3    | 12.0            |
|             | MIL. CON. BLOCK | 1.4                                                                                                                          | 2.1             | 2.8     | 3.5             | 4.2     | 5.0             | 5.7     | 6.4             | 7.1                   | 7.8             | 8.5     | 9.2             | 9.9     | 10.6            | 11.3    | 12.0            |
|             | MIL. CON. BLOCK | 1.4                                                                                                                          | 2.1             | 2.8     | 3.5             | 4.2     | 5.0             | 5.7     | 6.4             | 7.1                   | 7.8             | 8.5     | 9.2             | 9.9     | 10.6            | 11.3    | 12.0            |
|             | MIL. CON. BLOCK | 1.4                                                                                                                          | 2.1             | 2.8     | 3.5             | 4.2     | 5.0             | 5.7     | 6.4             | 7.1                   | 7.8             | 8.5     | 9.2             | 9.9     | 10.6            | 11.3    | 12.0            |
|             | MIL. CON. BLOCK | 1.4                                                                                                                          | 2.1             | 2.8     | 3.5             | 4.2     | 5.0             | 5.7     | 6.4             | 7.1                   | 7.8             | 8.5     | 9.2             | 9.9     | 10.6            | 11.3    | 12.0            |
|             | MIL. CON. BLOCK | 1.4                                                                                                                          | 2.1             | 2.8     | 3.5             | 4.2     | 5.0             | 5.7     | 6.4             | 7.1                   | 7.8             | 8.5     | 9.2             | 9.9     | 10.6            | 11.3    | 12.0            |
|             | MIL. CON. BLOCK | 1.4                                                                                                                          | 2.1             | 2.8     | 3.5             | 4.2     | 5.0             | 5.7     | 6.4             | 7.1                   | 7.8             | 8.5     | 9.2             | 9.9     | 10.6            | 11.3    | 12.0            |
|             | MIL. CON. BLOCK | 1.4                                                                                                                          | 2.1             | 2.8     | 3.5             | 4.2     | 5.0             | 5.7     | 6.4             | 7.1                   | 7.8             | 8.5     | 9.2             | 9.9     | 10.6            | 11.3    | 12.0            |
|             | MIL. CON. BLOCK | 1.4                                                                                                                          | 2.1             | 2.8     | 3.5             | 4.2     | 5.0             | 5.7     | 6.4             | 7.1                   | 7.8             | 8.5     | 9.2             | 9.9     | 10.6            | 11.3    | 12.0            |
|             | MIL. CON. BLOCK | 1.4                                                                                                                          | 2.1             | 2.8     | 3.5             | 4.2     | 5.0             | 5.7     | 6.4             | 7.1                   | 7.8             | 8.5     | 9.2             | 9.9     | 10.6            | 11.3    | 1               |

CITY OF NEW BRUNSWICK  
THRUST BLOCK DETAIL

| Date | Description | No. |
|------|-------------|-----|
|------|-------------|-----|

## REVISIONS

*Christian M. Roche*  
CHRISTIAN M. ROCHE DATE SIGNED  
NJ PROFESSIONAL ENGINEER  
NJ LICENSE No. 24GE04988100

**LANGAN**  
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NJ CERTIFICATE OF AUTHORIZATION No. 24GA27986400

Project

**RWJ BARNABAS HEALTH  
SOUTH BUILDING  
EXPANSION**

BLOCK 24.01, LOT 1.01  
CITY OF NEW BRUNSWICK

**MIDDLESEX COUNTY** **NEW JERSEY**

Drawing Title

## CONSTRUCTION DETAILS

|             |                                                                                   |
|-------------|-----------------------------------------------------------------------------------|
| Project No. | Drawing No.<br><br><div style="font-size: 48pt; text-align: center;">CS-501</div> |
| 130141101   |                                                                                   |
| Date        |                                                                                   |
| 05/24/2019  |                                                                                   |
| Drawn By    |                                                                                   |
| GGB         | Sheet 10 of 11                                                                    |
| Checked By  |                                                                                   |
| CMR         |                                                                                   |