NOTES:
1. LOCATE PIPE OPENINGS TO PROVIDE MINIMUM 4" OF CONCRETE BETWEEN TOP OF INLET BOX AND TOP OF PIPE OPENING. (PENNDOT RC-46M). CURB ABOVE INLET SHALL BE SUPPORTED WITH 2A STONE BETWEEN TOP OF PIPE AND BOTTOM OF CURB. CURB OUTSIDE OF INLET SHALL BE STANDARD DEPTH.
2. FOOTWAY AND CARTWAY RESTORATION HAS BEEN DRAWN FOR REFERENCE PURPOSES ONLY. PAVEMENT RESTORATION QUANTITIES AND DESIGN MUST CONFORM TO CURRENT PHILADELPHIA STREETS DEPARTMENT STANDARDS FOR CITY STREETS AND PENNDOT STANDARDS FOR STATE ROUTES.
3. MINIMUM COVER FOR THERMOPLASTIC PIPE IN ROW IS 2'.
4. PLUMBERS PLUG TO MAINTAIN WATERTIGHT SEAL UNTIL CONSTRUCTION IS COMPLETE. PLUMBERS PLUG TO BE REMOVED AT DIRECTION OF PWD. PLUMBERS PLUG IS NOT TO EXTEND MORE THAN 2" OUT FROM INLET WALL.

GREEN HIGHWAY GRATE INLET
NOTES:
1. LOCATE PIPE OPENINGS TO PROVIDE MIN. 4" OF CONCRETE BETWEEN TOP OF INLET BOX AND TOP OF PIPE OPENING (PENNDOT RC-46M).
2. OPEN MOUTH AT CURB FORMED IN TOP OF INLET BOX.
3. MODIFIED PWD CITY INLET TOP SLAB. OUTER DIMENSIONS REDUCED TO MATCH PENNDOT BOX.
4. FOOTWAY AND CARTWAY RESTORATION HAS BEEN DRAWN FOR REFERENCE PURPOSES ONLY. PAVEMENT RESTORATION QUANTITIES AND DESIGN MUST CONFORM TO CURRENT PHILADELPHIA STREETS DEPARTMENT STANDARDS FOR CITY STREETS AND PENNDOT STANDARDS FOR STATE ROUTES.
5. MIN. COVER FOR THERMOPLASTIC PIPE IN ROW IS 2".
6. PLUMBER'S PLUG TO MAINTAIN WATERTIGHT SEAL UNTIL CONSTRUCTION IS COMPLETE. PLUG TO BE REMOVED AT DIRECTION OF PWD. PLUG NOT TO EXTEND MORE THAN 2" OUT FROM INLET WALL.
CONCRETE APRON AT TRENCH DRAIN REFER TO COMPONENT DETAILS
ENERGY DISSIPATOR REFER TO COMPONENT DETAILS

NOTES:
1. SEE SPECIFICATIONS FOR TRENCH DRAIN PRODUCT NUMBER. TRENCH DRAIN FRAME AND GRATE/COVER MUST BE HEEL SAFE, ADA COMPLIANT, BOLTABLE, AND CAPABLE OF H-20 LOADING.
2. ALL TRENCH DRAIN CONCRETE MUST BE 3500 PSI MIN.
3. ANCHOR FRAME INTO CONCRETE PER MANUFACTURER'S REQUIREMENTS.

TRENCH DRAIN GRATE/COVER MATCH GRADE OF SIDEWALK S2 (1% MIN.)

EXPANSION JOINT (TYP.)

TRENCH DRAIN NO. W1 (IN.) W2 (IN.) H (IN.) S1 (%) S2 (%) FRAME & GRATE/COVER PRODUCT

MATCH GRADE OF SIDEWALK
TRENCH DRAIN GRATE/COVER
S2 (1% MIN.)

3" MIN. 6" MAX. THROAT
2" MIN.

1 - 2" MIN.

SCALE: N.T.S.
DRAWING NUMBER: C-4

VS. DATE INITIALS REASON

PHILADELPHIA WATER
1101 MARKET ST, 4TH FLOOR
PHILADELPHIA, PA. 19107
1. MAXIMUM SLOPE OF APRON PARALLEL TO CURB IS 12H:1V (8.5%).
2. MAXIMUM SLOPE OF APRON PERPENDICULAR TO CURB IS 12H:1V (8.5%).
3. CONCRETE APRON THICKNESS (8") TO MATCH BOTTOM OF EXISTING CONCRETE BASE COURSE.
4. CONCRETE BASE COURSE MINIMUM THICKNESS IS 8" ON CITY STREETS AND 10" ON STATE ROUTES.
5. CONCRETE APRONS SHOULD BE LOCATED SO AS NOT TO INTERFERE WITH PLANNED OR POTENTIAL FUTURE ADA RAMP CONSTRUCTION.

DEPRESS GUTTER 2" FROM PROJECTED GUTTER LINE AT OPENING

8" MIN. CONCRETE BASE

3" MIN. 6" MAX. THROAT

EXISTING PAVEMENT

SEAL JOINTS ON ALL SIDES

INLET OPENING (VARIES)

2'-0"

GREEN CITY INLET

DEPRESS GUTTER 2" AT OPENING

MAXIMUM SLOPE 12H:1V
SEE NOTES 1 AND 2

SEAL JOINTS ON ALL SIDES

INLET OPENING (VARIES)

2'-0"
1. MAXIMUM SLOPE OF APRON PARALLEL TO CURB IS 12H:1V (8.5%).
2. MAXIMUM SLOPE OF APRON PERPENDICULAR TO CURB IS 12H:1V (8.5%).
3. CONCRETE APRON THICKNESS (8") TO MATCH BOTTOM OF EXISTING CONCRETE BASE COURSE.
4. CONCRETE BASE COURSE MINIMUM THICKNESS IS 8" ON CITY STREETS AND 10" ON STATE ROUTES.
5. CONCRETE APRONS SHOULD BE LOCATED SO AS NOT TO INTERFERE WITH PLANNED OR POTENTIAL FUTURE ADA RAMP CONSTRUCTION.
NOTES:
1. SEE PLANS FOR DETAILS ON PIPES, MATERIALS, INVERT ELEVATIONS AND ORIENTATION.
2. SEE PLANS FOR COVER ELEVATION AND STRUCTURE INVERT ELEVATION.

PLAN

PROFILE

1" MIN. CLEARANCE SEAL WITH NON-SHRINK GROUT (TYP.)

8" HDPE (TYP.)
SEE NOTE 1

2'-0" x 2'-0" JUNCTION BOX WITH LOCKABLE STEEL FRAME AND COVER
SEE SPECIFICATIONS

8" (TYP.)

6" (TYP.)

1" MIN. CLEARANCE SEAL WITH NON-SHRINK GROUT (TYP.)

6" (TYP.)
NOTES:
1. LOCATE PIPE OPENINGS TO PROVIDE MIN. 4" OF CONCRETE BETWEEN TOP OF INLET BOX AND TOP OF PIPE OPENING. CURB ABOVE INLET SHALL BE SUPPORTED WITH 2A STONE BETWEEN TOP OF PIPE AND BOTTOM OF CURB. CURB OUTSIDE OF INLET SHALL BE STANDARD DEPTH.
2. ALL CONCRETE COMPONENTS, INLET GRATE AND FRAME, INLET TRAP, AND CONNECTION TO SEWER SHALL BE PWD STANDARD CONSTRUCTION.
3. FOOTWAY AND CARTWAY RESTORATION HAS BEEN DRAWN FOR REFERENCE PURPOSES ONLY. PAVEMENT RESTORATION QUANTITIES AND DESIGN MUST CONFORM TO CURRENT PHILADELPHIA STREETS DEPARTMENT STANDARDS FOR CITY STREETS AND PENNDOT STANDARDS FOR STATE ROUTES.
4. MIN. COVER FOR THERMOPLASTIC PIPE IN ROW MUST BE 2'.
5. PLUMBERS PLUG TO MAINTAIN WATERTIGHT SEAL UNTIL CONSTRUCTION IS COMPLETE. PLUG TO BE REMOVED AT DIRECTION OF PWD. PLUG NOT TO EXTEND MORE THAN 2" OUT FROM INLET WALL.
6. UNDERDRAIN FROM SMP IS OPTIONAL AND DEPENDS ON PROJECT SPECIFIC DESIGN. WHEN INSTALLED, REFER TO STANDARD INLET WITH PROTECTION AND SLOW RELEASE ORIFICE DETAILS AS APPLICABLE.

**PLAN**
- **MODIFIED CURB**
- **STD. CURB**
- **MATCH EXISTING CURB AND FOOTWAY**
- **UNDERDRAIN PIPE (OPTIONAL) SEE NOTE 6**
- **PIPE (OPTIONAL) SEE NOTE 6**
- **SECTION A-A**
- **SECTION B-B**
- **SECTION C-C**
- **SECTION D-D**

- **SECTION A-A**
  - **MODIFIED CURB**
  - **STD. CURB**
  - **PLANT**
  - **MATCH EXISTING CURB AND FOOTWAY**
  - **SLOW RELEASE OR IFICE SEE NOTE 6**
  - **PRECAST OVERFLOW WEIR WALL CENTERED IN STRUCTURE**

- **SECTION B-B**
  - **DEFLECTOR PAN AND CATCH BASIN INSERT SEE SPECIFICATIONS**
  - **SLOW RELEASE OR IFICE SEE NOTE 6**
  - **6" MIN. OFFSET FROM CATCH BASIN**

- **SECTION C-C**
  - **DEFLECTOR PAN AND CATCH BASIN INSERT SEE SPECIFICATIONS**
  - **6" MIN. OFFSET FROM CATCH BASIN**

- **SECTION D-D**
  - **DEFLECTOR PAN AND CATCH BASIN INSERT SEE SPECIFICATIONS**
  - **SLOW RELEASE OR IFICE SEE NOTE 6**
  - **PROPOSED BOND BREAKER TAPE OR APPROVED EQUAL**

**SECTIONS**
- **SECTION A-A**
  - **MODIFIED CURB**
  - **STD. CURB**
  - **MATCH EXISTING CURB AND FOOTWAY**
  - **SLOW RELEASE OR IFICE SEE NOTE 6**
  - **PRECAST OVERFLOW WEIR WALL CENTERED IN STRUCTURE**

- **SECTION B-B**
  - **DEFLECTOR PAN AND CATCH BASIN INSERT SEE SPECIFICATIONS**
  - **SLOW RELEASE OR IFICE SEE NOTE 6**

- **SECTION C-C**
  - **DEFLECTOR PAN AND CATCH BASIN INSERT SEE SPECIFICATIONS**

- **SECTION D-D**
  - **DEFLECTOR PAN AND CATCH BASIN INSERT SEE SPECIFICATIONS**
  - **PROPOSED BOND BREAKER TAPE OR APPROVED EQUAL**

**DRAWING NUMBER:** C-11

**SCALE:**

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**PHILADELPHIA WATER**

1101 MARKET ST.
4TH FLOOR
PHILADELPHIA, PA 19107
ENSURE THAT DEFLECTOR PLATE SLOPES TOWARDS FILTER BAG

PLAN

STANDARD 6' PWD OMG FRATE & GRATE

6 FOOT GREEN DUAL CATCH BASIN HIGHWAY GRATE INLET SEE COMPONENT DETAIL

SECTION A-A

STAINLESS STEEL FRAMING AND LIFT HANDLES

ULTIMATE BYPASS AREA

REPLACEABLE WOVEN GEOTEXTILE FILTER BAG SECURED WITH STAINLESS STEEL HOSE CLAMP

FILTER BAG

STEEL DEFLECTOR PLATE

ENSURE THAT DEFLECTOR PLATE SLOPES TOWARDS FILTER BAG

PROTECTION FOR DUAL CATCH BASIN HIGHWAY INLET

SCALE: N.T.S.

DRAWING NUMBER: C-12

VS. DATE INITIALS REASON

1101 MARKET ST, 4TH FLOOR
PHILADELPHIA, PA, 19107

PHILADELPHIA WATER
NOTES:
1. LOCATE PIPE OPENINGS TO PROVIDE MIN. 4" OF CONCRETE BETWEEN TOP OF INLET BOX AND TOP OF PIPE OPENING.
2. ALL CONCRETE COMPONENTS, CITY INLET, INLET TRAP, AND CONNECTION TO SEWER SHALL BE PWD STANDARD CONSTRUCTION EXCEPT THAT ADDITIONAL CONCRETE SHALL BE PRECAST WITH STRUCTURE TO BLOCK OPENING AS SHOWN ON SECTIONS.
3. FOOTWAY AND CARTWAY RESTORATION HAS BEEN DRAWN FOR REFERENCE PURPOSES ONLY. PAVEMENT RESTORATION QUANTITIES AND DESIGN MUST CONFORM TO CURRENT PHILADELPHIA STREETS DEPARTMENT STANDARDS FOR CITY STREETS AND PENNDOT STANDARDS FOR STATE ROUTES.
4. MIN. COVER FOR THERMOPLASTIC PIPE IN ROW MUST BE 2'.
5. PLUMBER'S PLUG TO MAINTAIN WATERTIGHT SEAL UNTIL CONSTRUCTION IS COMPLETE. PLUG TO BE REMOVED AT DIRECTION OF PWD. PLUG NOT TO EXTEND MORE THAN 2" OUT FROM INLET WALL.
6. UNDERDRAIN FROM SMP IS OPTIONAL AND DEPENDS ON PROJECT SPECIFIC DESIGN. WHEN INSTALLED, REFER TO STANDARD INLET WITH PROTECTION AND SLOW RELEASE ORIFICE DETAILS AS APPLICABLE.