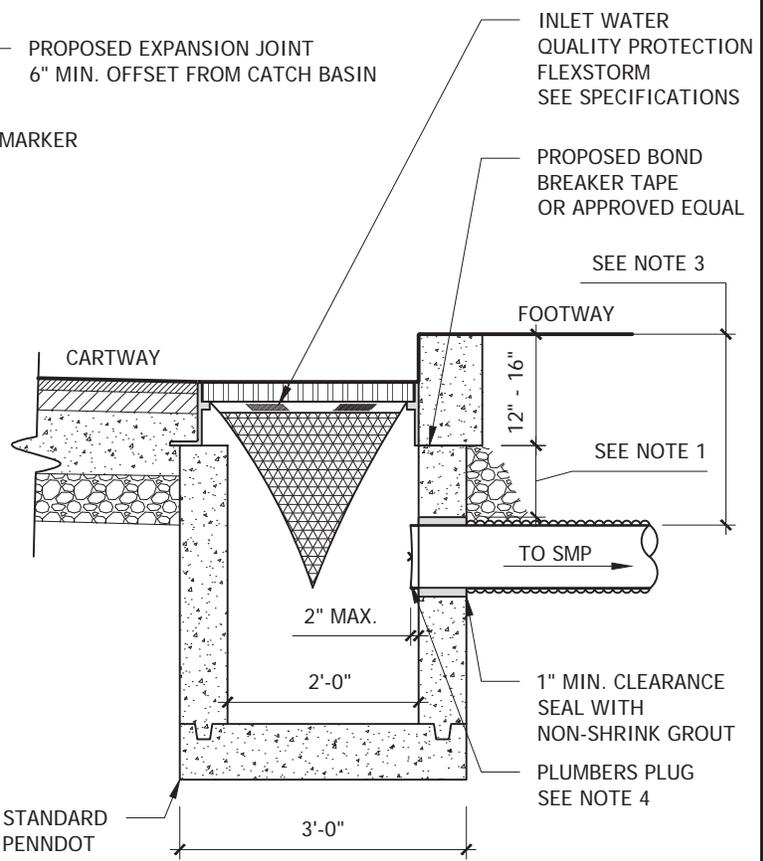
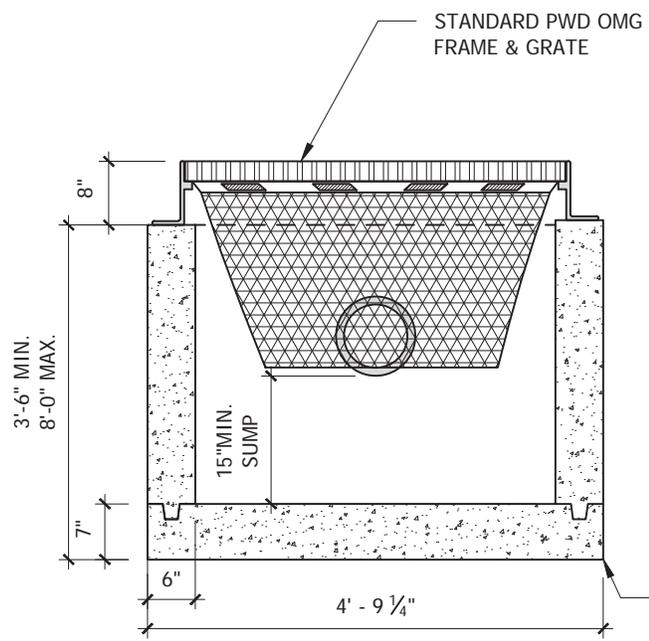
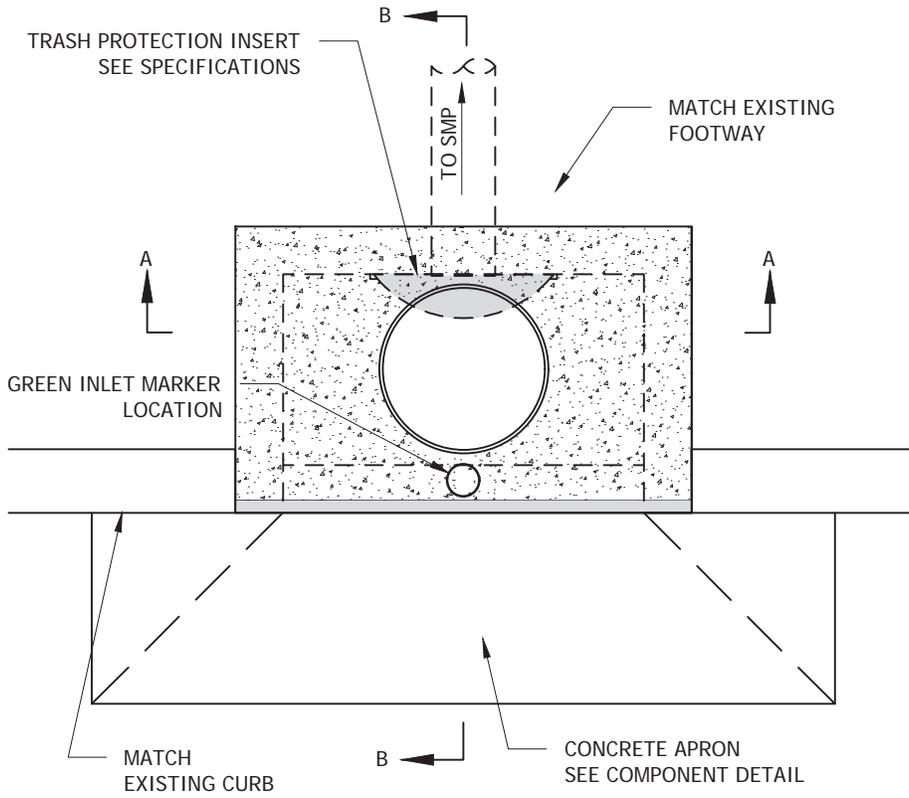


- NOTES:**
1. LOCATE PIPE OPENINGS TO PROVIDE MINIMUM 4" OF CONCRETE BETWEEN TOP OF INLET BOX AND TOP OF PIPE OPENING. (PENNDOT RC-46M). CURB ABOVE INLET SHALL BE SUPPORTED WITH 2A STONE BETWEEN TOP OF PIPE AND BOTTOM OF CURB. CURB OUTSIDE OF INLET SHALL BE STANDARD DEPTH.
 2. FOOTWAY AND CARTWAY RESTORATION 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.



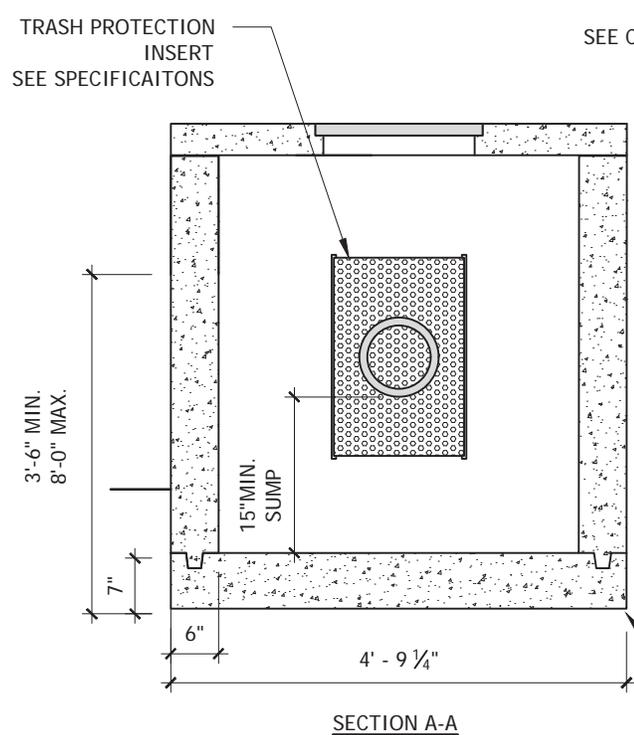
GREEN HIGHWAY GRATE INLET			
REV.	DATE	INITIALS	REASON
1	11/06/2017	ANJ/DJM	ADD GREEN INLET MARKER, OTHER MINOR UPDATES



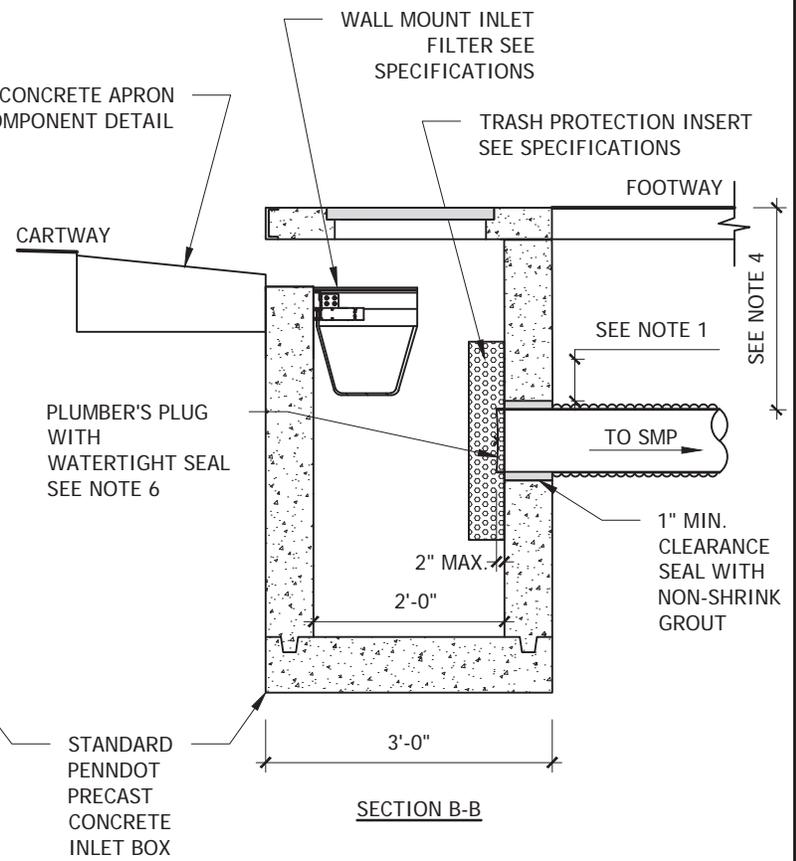
PLAN

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. 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.



SECTION A-A

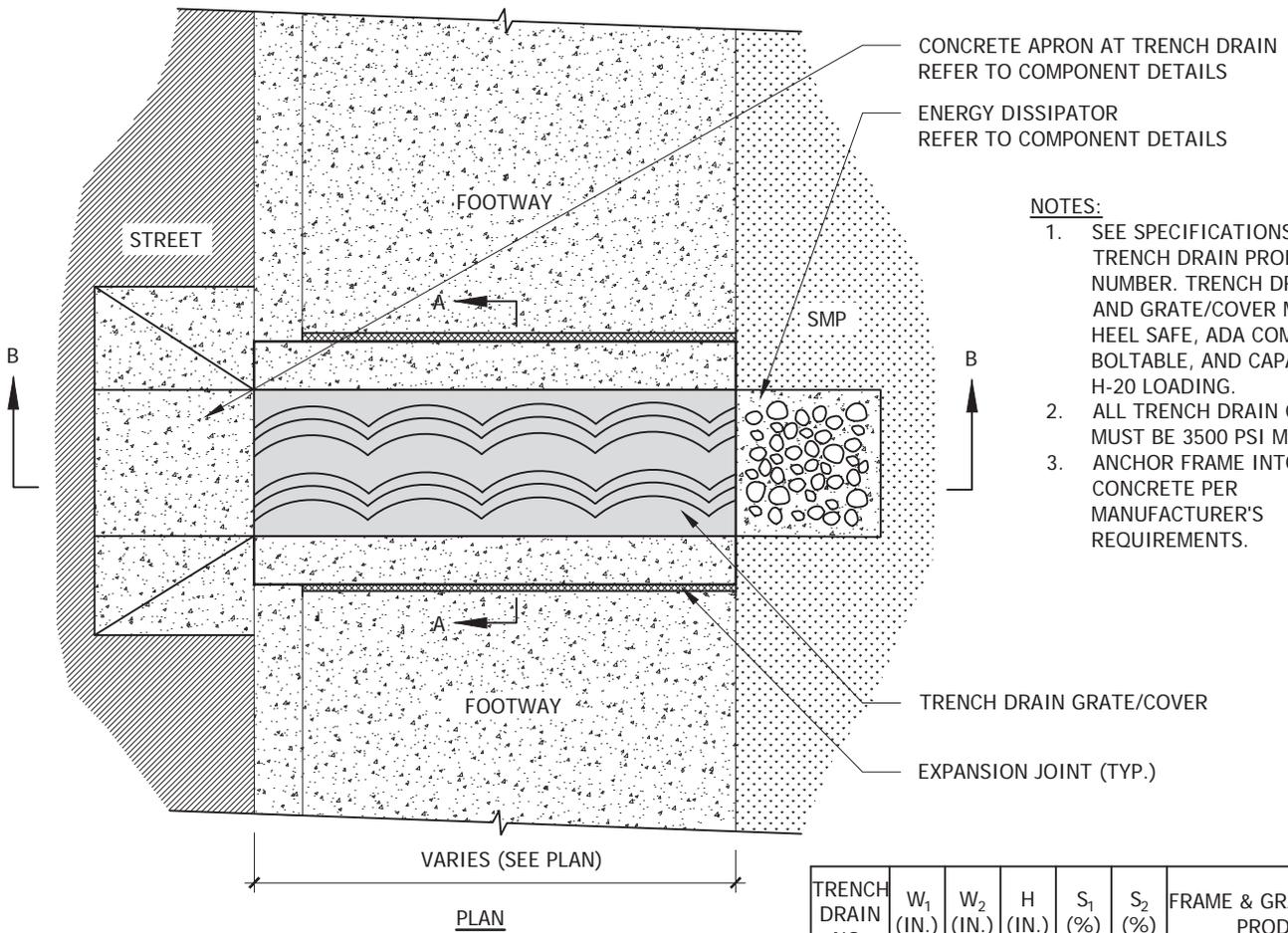


SECTION B-B

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

GREEN CITY INLET			
REV.	DATE	INITIALS	REASON
1	10/27/2017	ANJ/DJM	ADD MARKER, CLARIFY OPEN MOUTH FORMATION

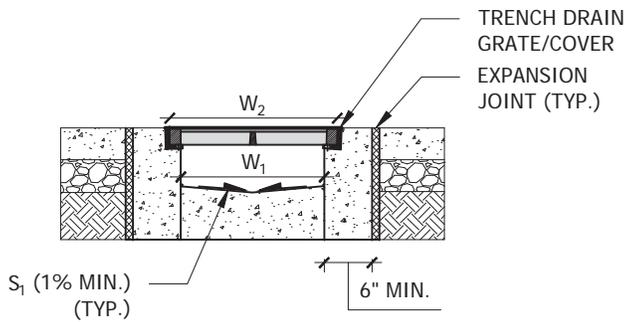
SCALE: N.T.S.
 DRAWING NUMBER:
C-2



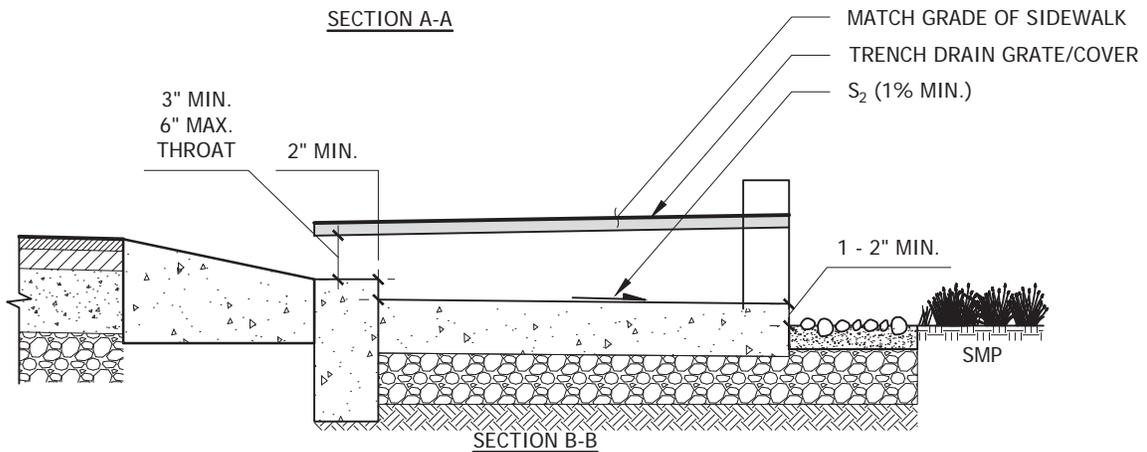
NOTES:

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 NO.	W ₁ (IN.)	W ₂ (IN.)	H (IN.)	S ₁ (%)	S ₂ (%)	FRAME & GRATE/COVER PRODUCT



SECTION A-A



SECTION B-B



PHILADELPHIA WATER

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

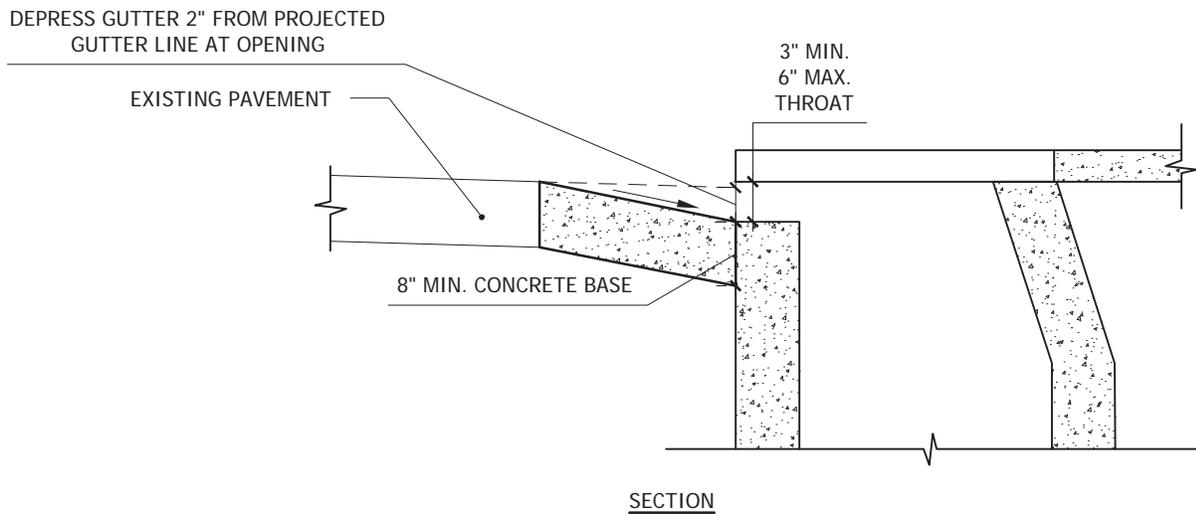
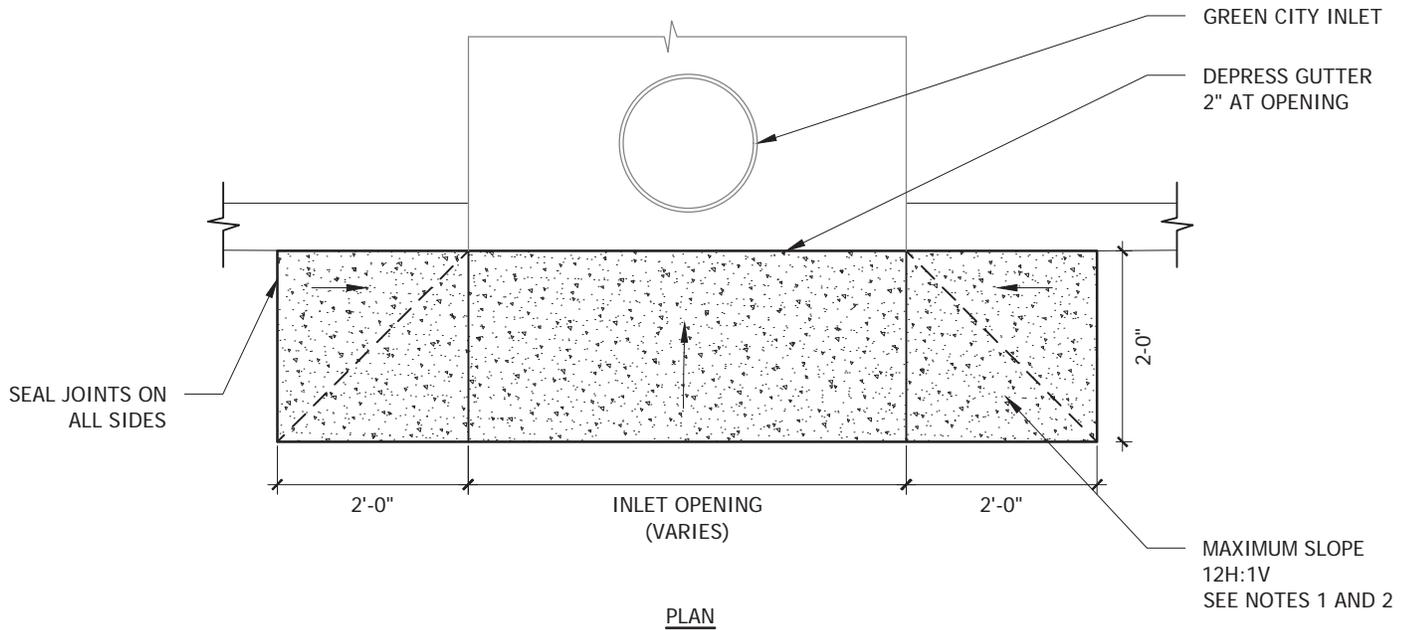
TRENCH DRAIN

VS.	DATE	INITIALS	REASON

SCALE: N.T.S.

DRAWING NUMBER:

C-4



NOTES

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 PLNNED OR POTENTIAL FUTURE ADA RAMP CONSTRUCTION.



**PHILADELPHIA
WATER**

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

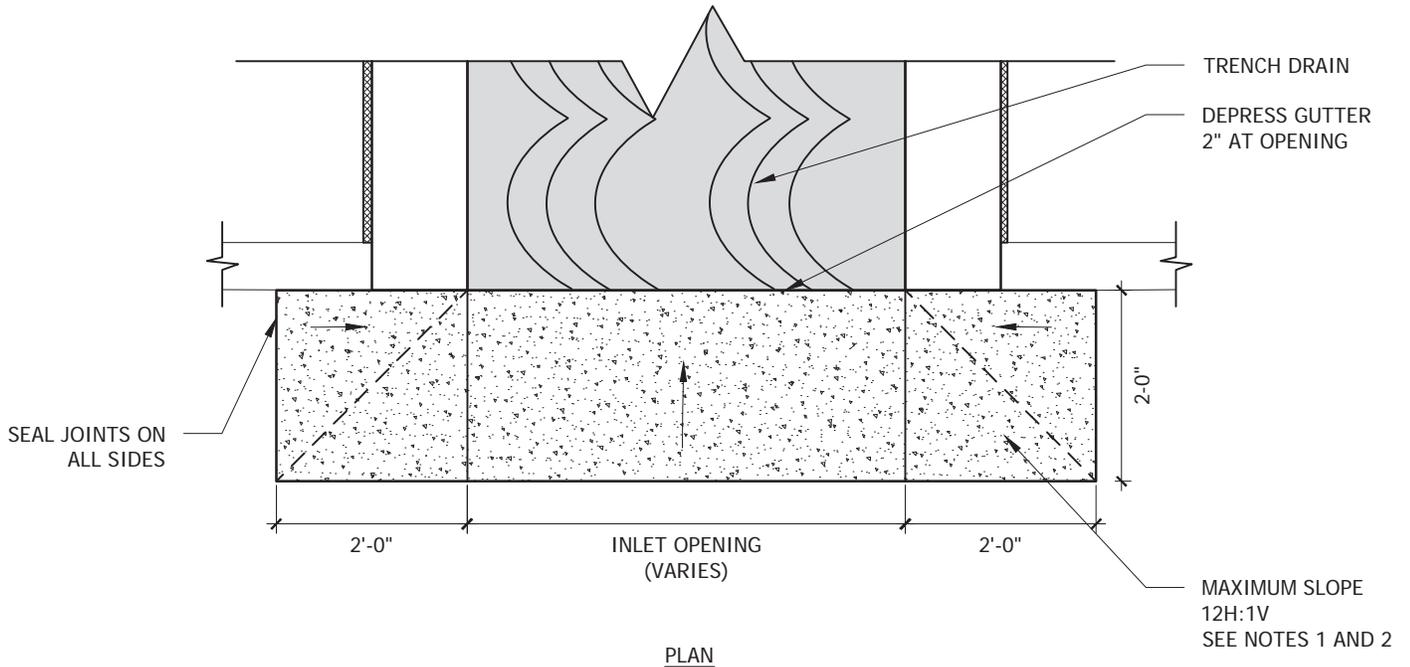
CONCRETE APRON AT CITY INLET

VS.	DATE	INITIALS	REASON

SCALE: N.T.S.

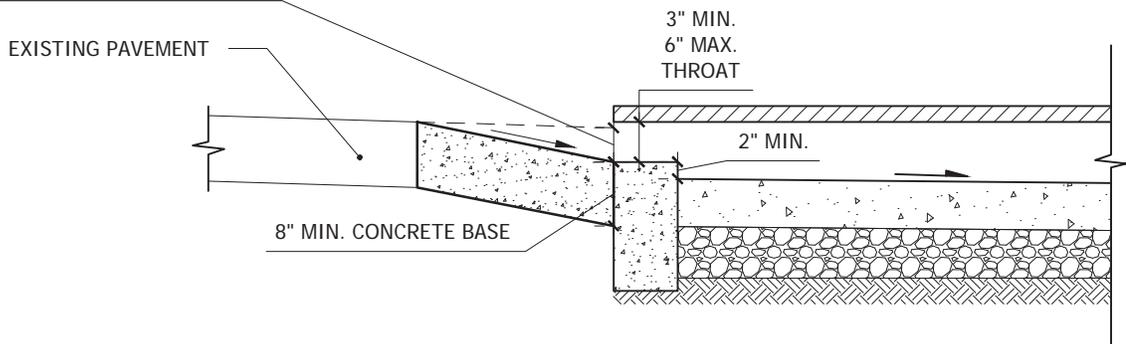
DRAWING NUMBER:

C-5



PLAN

DEPRESS GUTTER 2" FROM PROJECTED GUTTER LINE AT OPENING



SECTION

NOTES

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 PLNNED OR POTENTIAL FUTURE ADA RAMP CONSTRUCTION.



**PHILADELPHIA
WATER**

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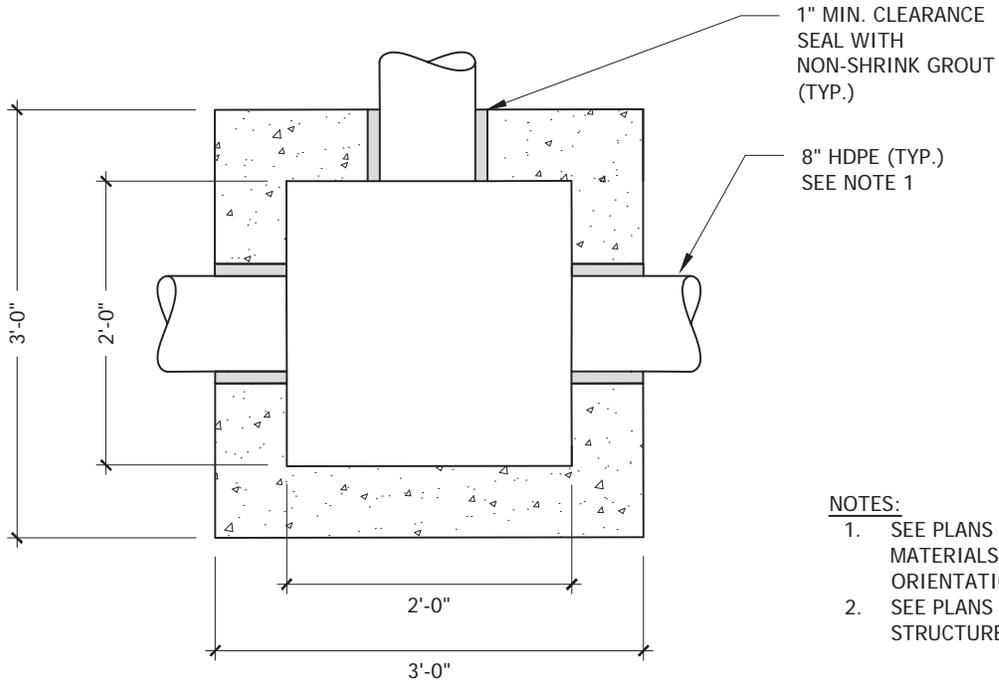
CONCRETE APRON AT TRENCH DRAIN

VS.	DATE	INITIALS	REASON

SCALE: N.T.S.

DRAWING NUMBER:

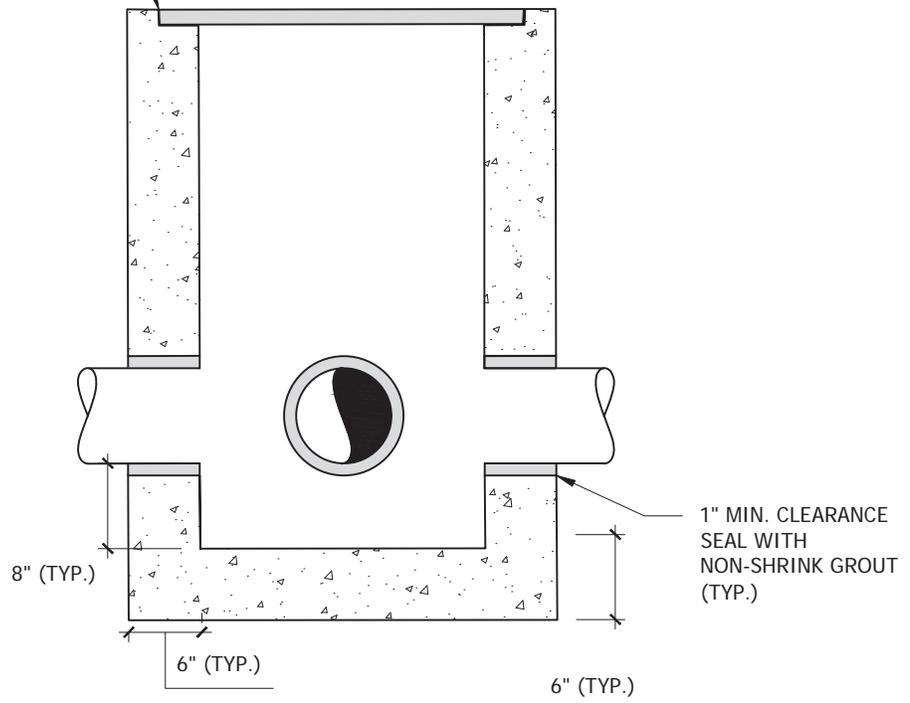
C-6



- NOTES:**
1. SEE PLANS FOR DETAILS ON PIPES, MATERIALS, INVERT ELEVATIONS AND ORIENTATION.
 2. SEE PLANS FOR COVER ELEVATION AND STRUCTURE INVERT ELEVATION.

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

PLAN



PROFILE



**PHILADELPHIA
WATER**

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

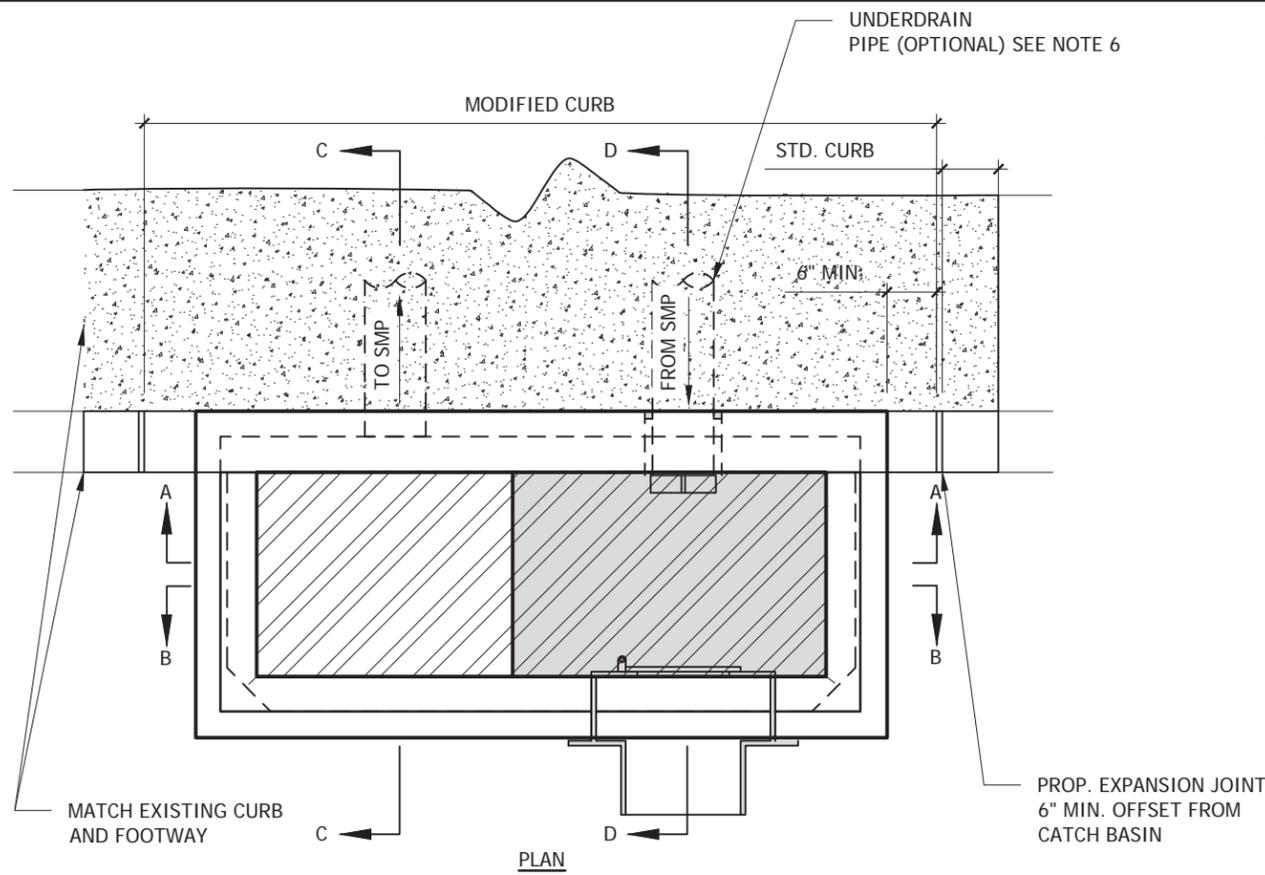
JUNCTION BOX

SCALE: N.T.S.

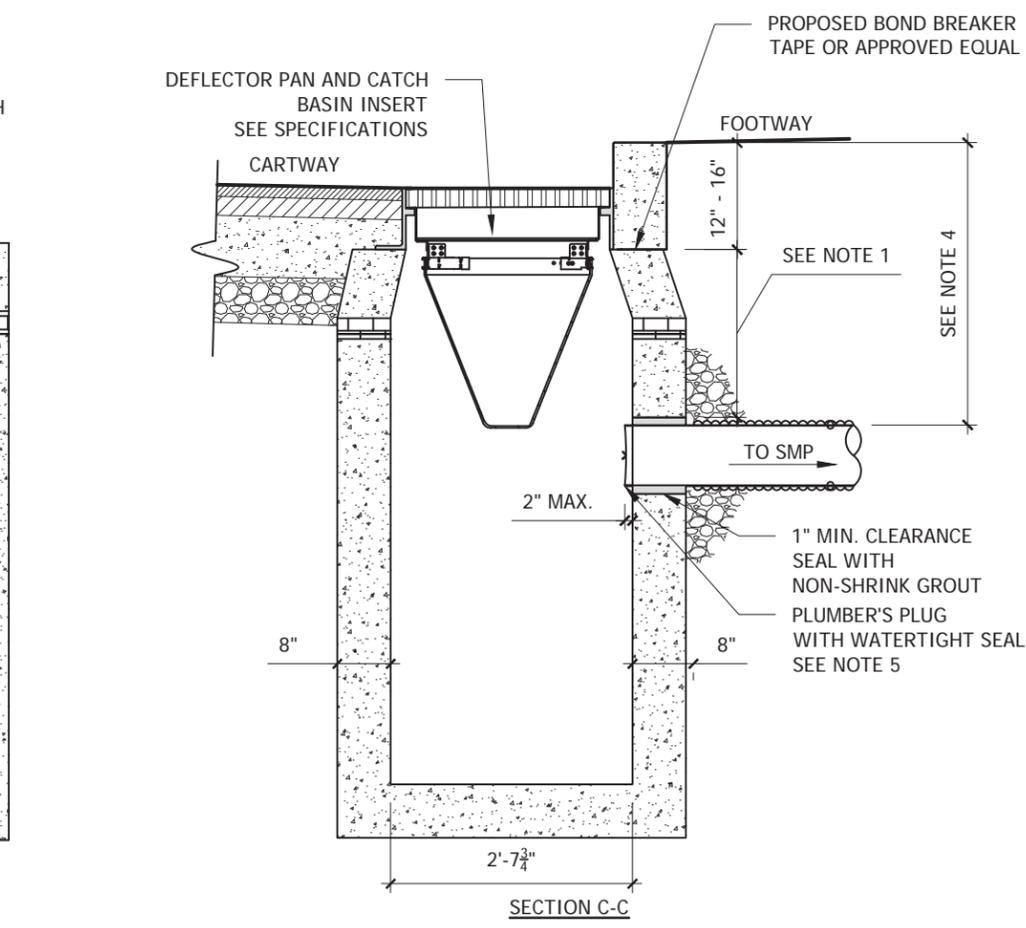
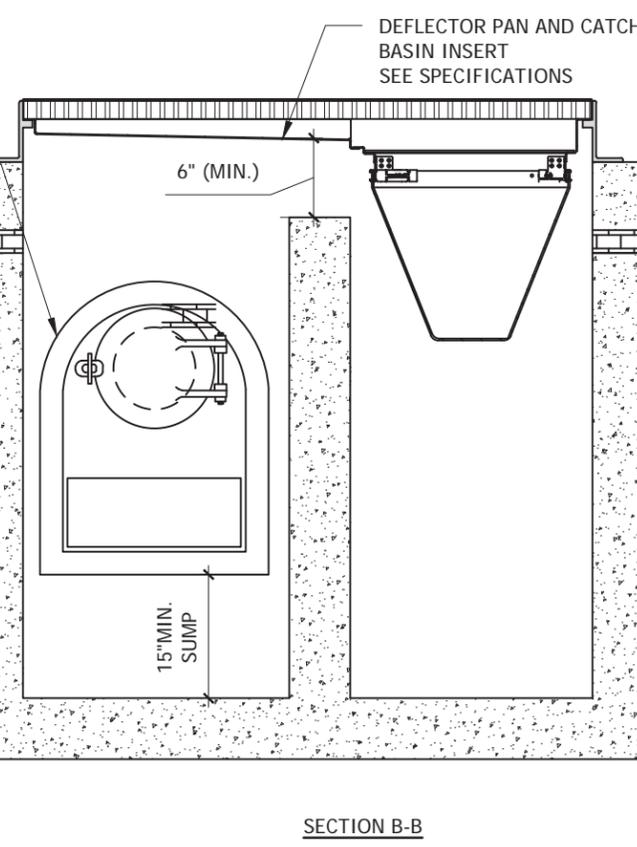
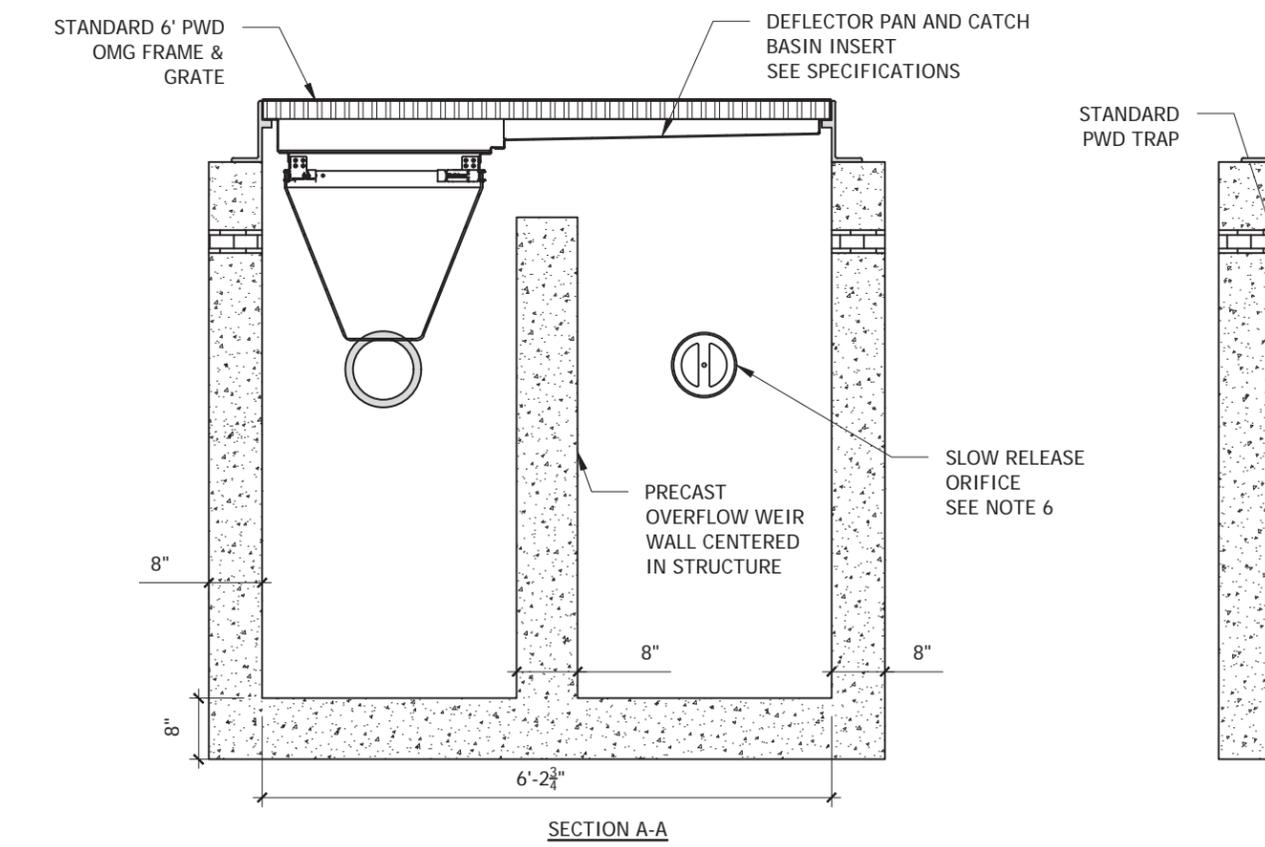
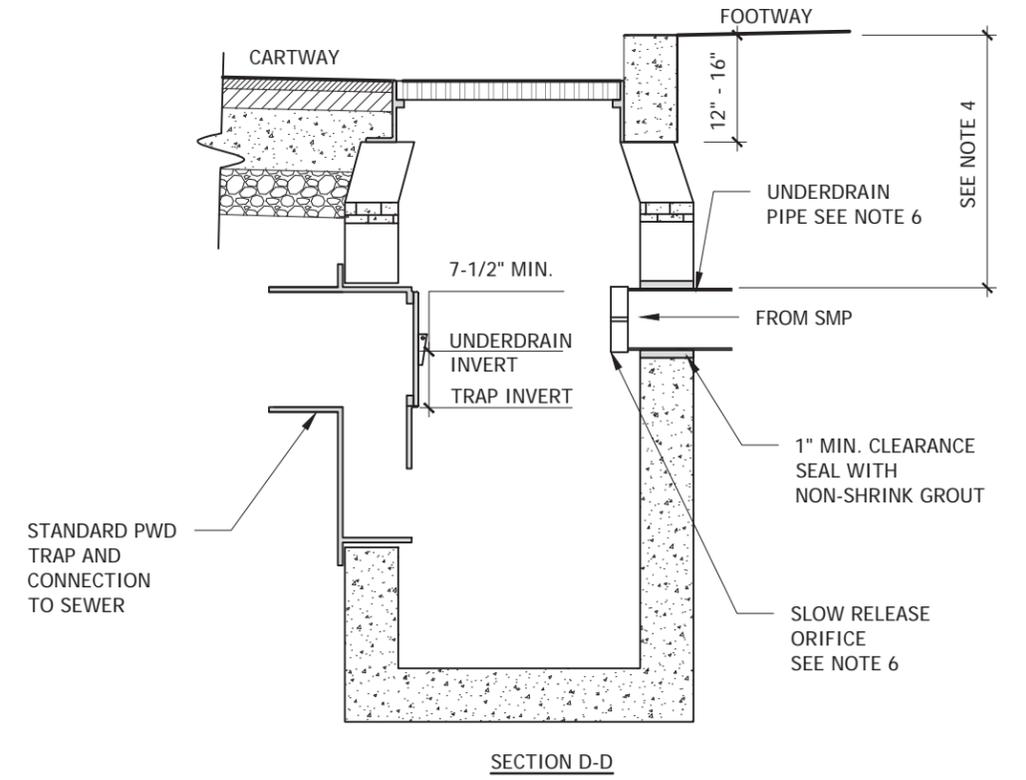
VS.	DATE	INITIALS	REASON

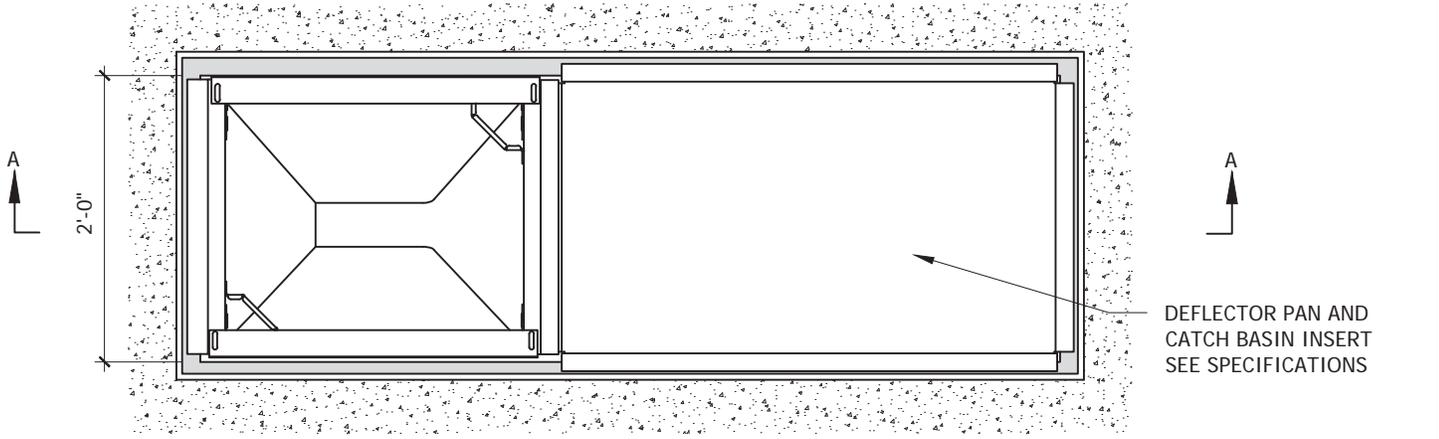
DRAWING NUMBER:

C-9



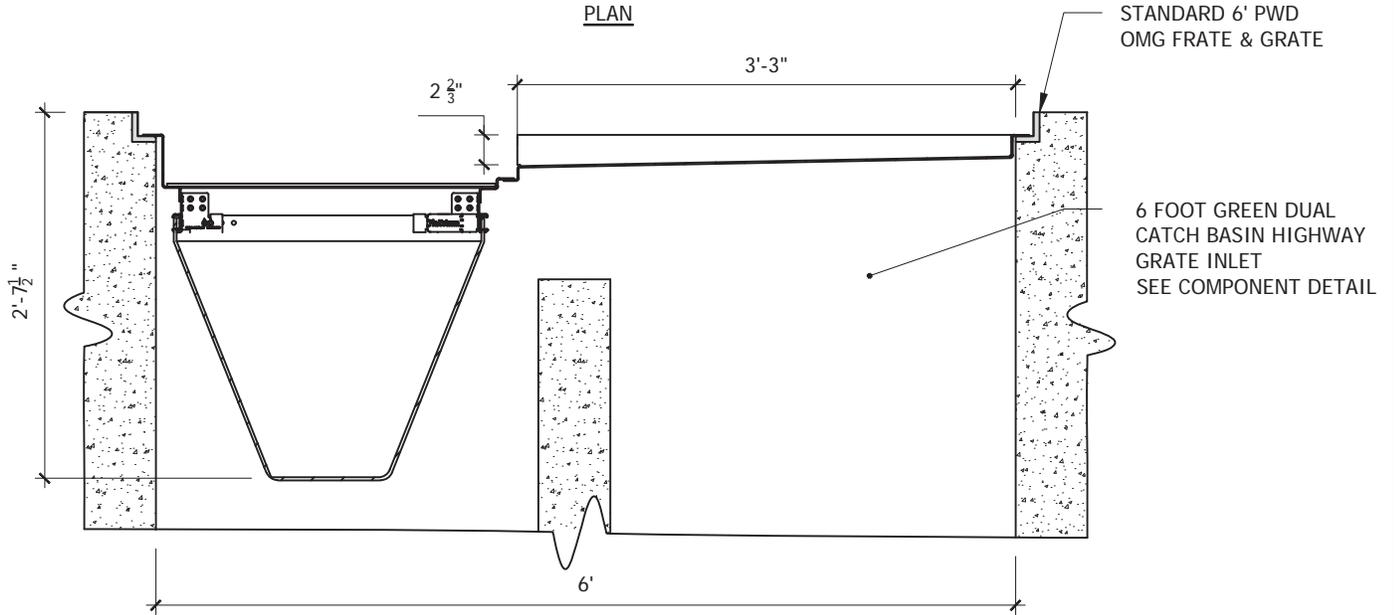
- NOTES:**
1. LOCATE PIPE OPENINGS TO PROVIDE MIN. 4" OF CONCRETE BETWEEN TOP OF INLET BOX AND TOP OF PIPE OPENING. CURB ABOVE INLET SHALL BE SUPPORTED WITH 2A STONE BETWEEN TOP OF PIPE AND BOTTOM OF CURB. CURB OUTSIDE OF INLET SHALL BE STANDARD DEPTH.
 2. ALL CONCRETE COMPONENTS, INLET GRATE AND FRAME, 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.





DEFLECTOR PAN AND CATCH BASIN INSERT SEE SPECIFICATIONS

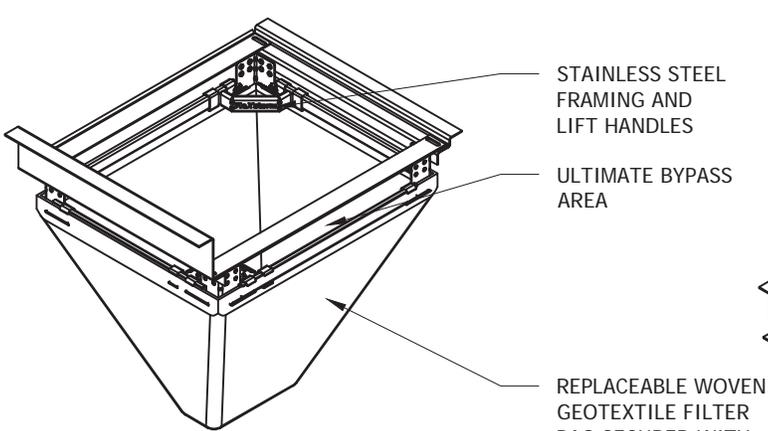
PLAN



STANDARD 6' PWD OMG GRATE & GRATE

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

SECTION A-A

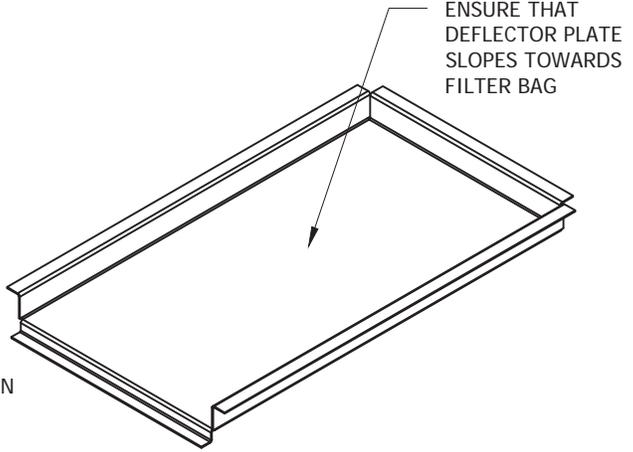


FILTER BAG

STAINLESS STEEL FRAMING AND LIFT HANDLES

ULTIMATE BYPASS AREA

REPLACEABLE WOVEN GEOTEXTILE FILTER BAG SECURED WITH STAINLESS STEEL HOSE CLAMP



STEEL DEFLECTOR PLATE

ENSURE THAT DEFLECTOR PLATE SLOPES TOWARDS FILTER BAG



PHILADELPHIA WATER

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PHILADELPHIA, PA, 19107

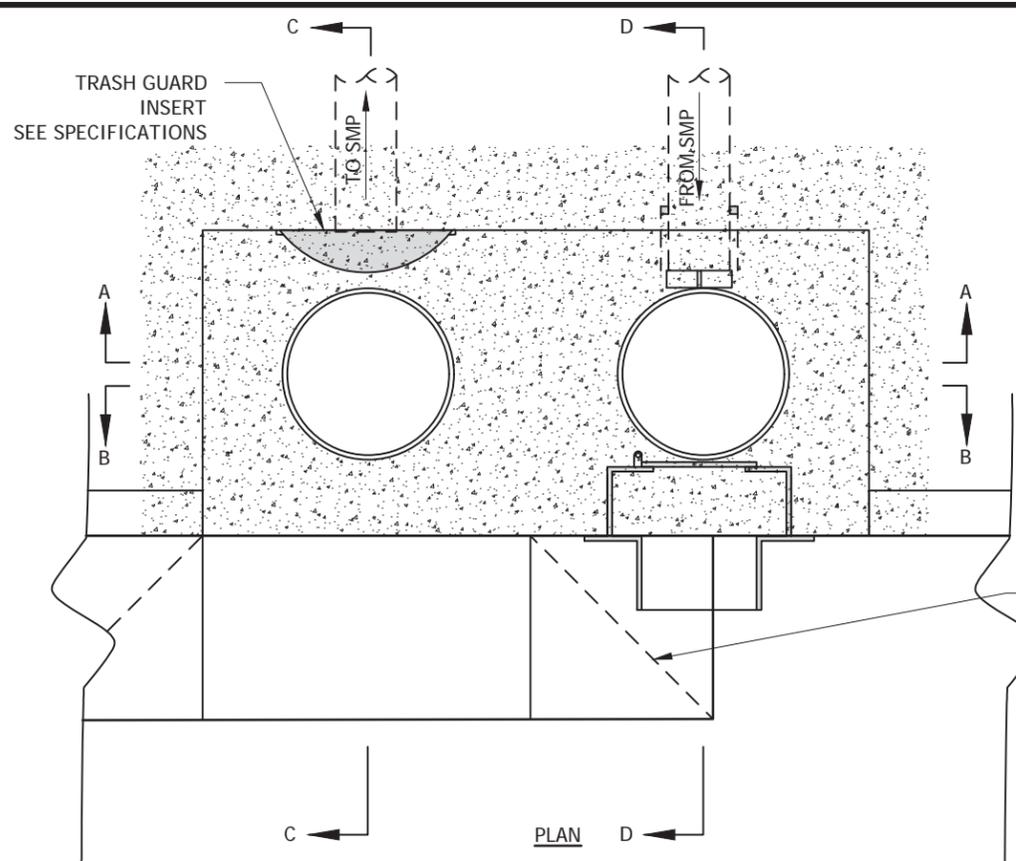
PROTECTION FOR DUAL CATCH BASIN HIGHWAY INLET

VS.	DATE	INITIALS	REASON

SCALE: N.T.S.

DRAWING NUMBER:

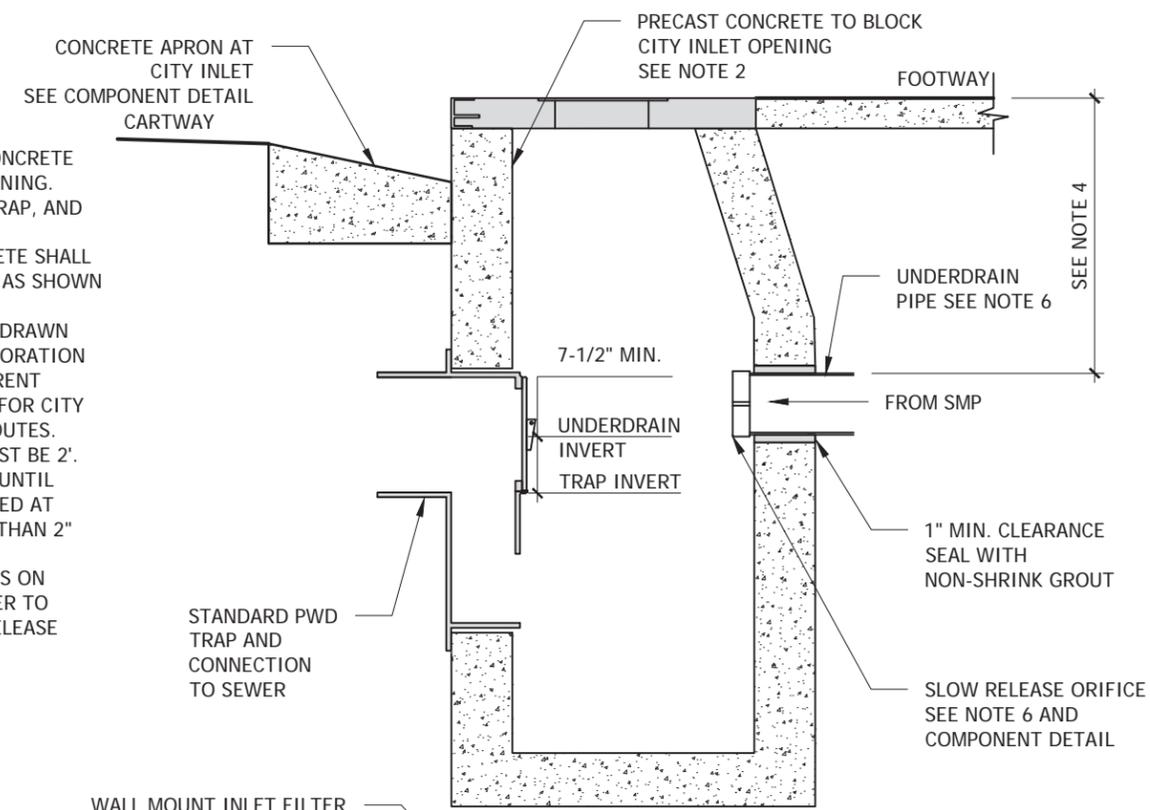
C-12



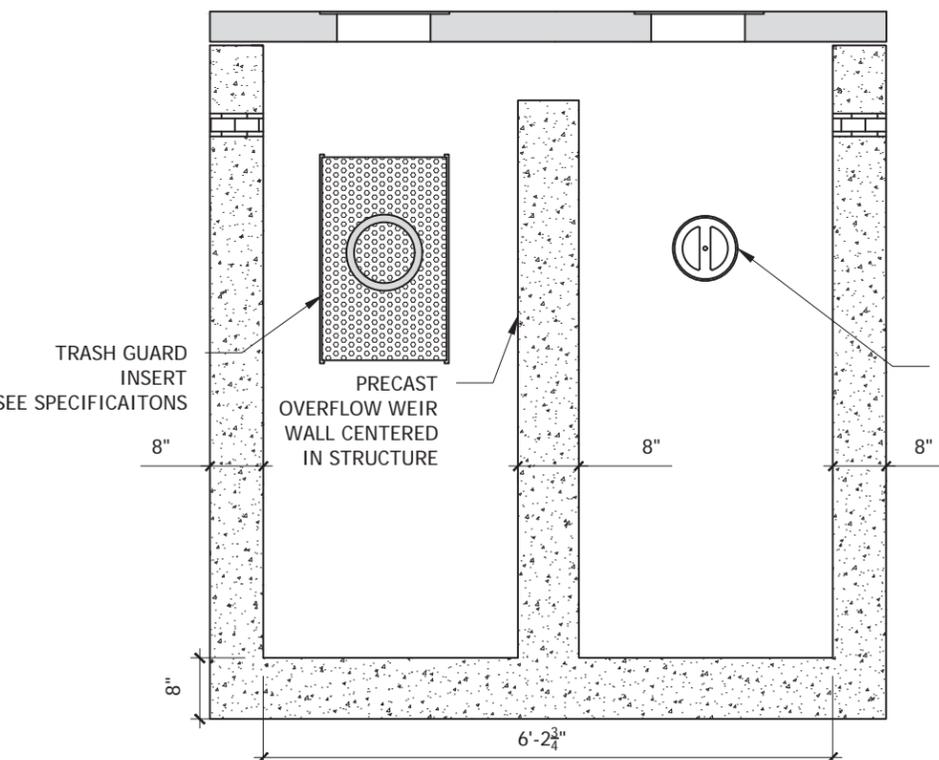
CONCRETE APRON AT CITY INLET
SEE COMPONENT
DETAIL

NOTES:

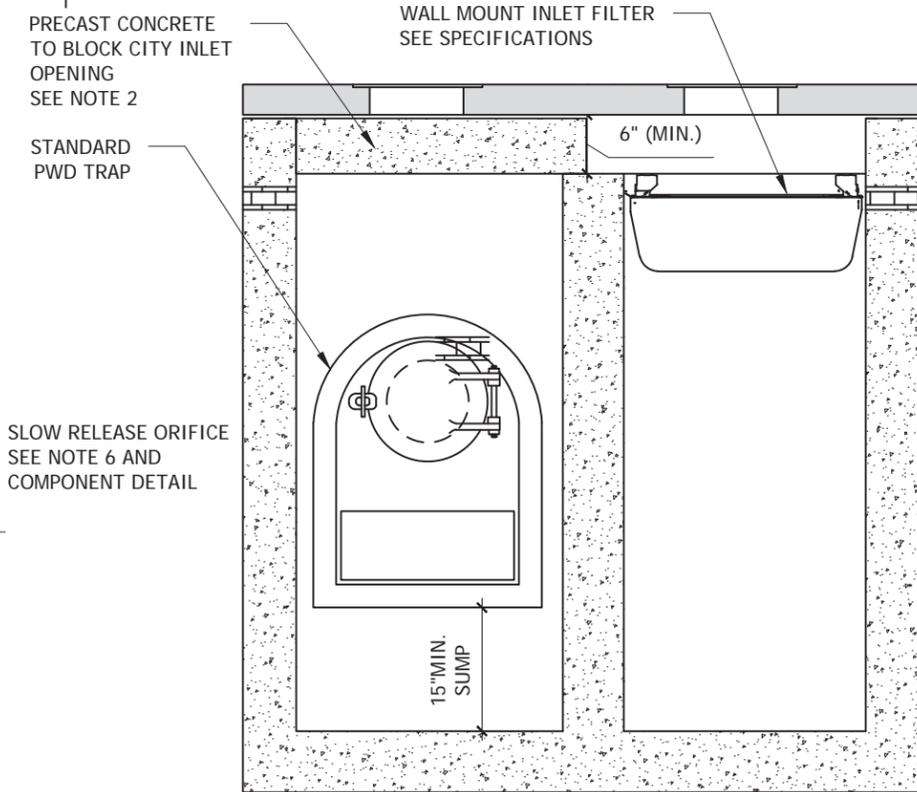
1. LOCATE PIPE OPENINGS TO PROVIDE MIN. 4" OF CONCRETE BETWEEN TOP OF INLET BOX AND TOP OF PIPE OPENING.
2. ALL CONCRETE COMPONENTS, CITY INLET, INLET TRAP, AND CONNECTION TO SEWER SHALL BE PWD STANDARD CONSTRUCTION EXCEPT THAT ADDITIONAL CONCRETE SHALL BE PRECAST WITH STRUCTURE TO BLOCK OPENING AS SHOWN 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. 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.



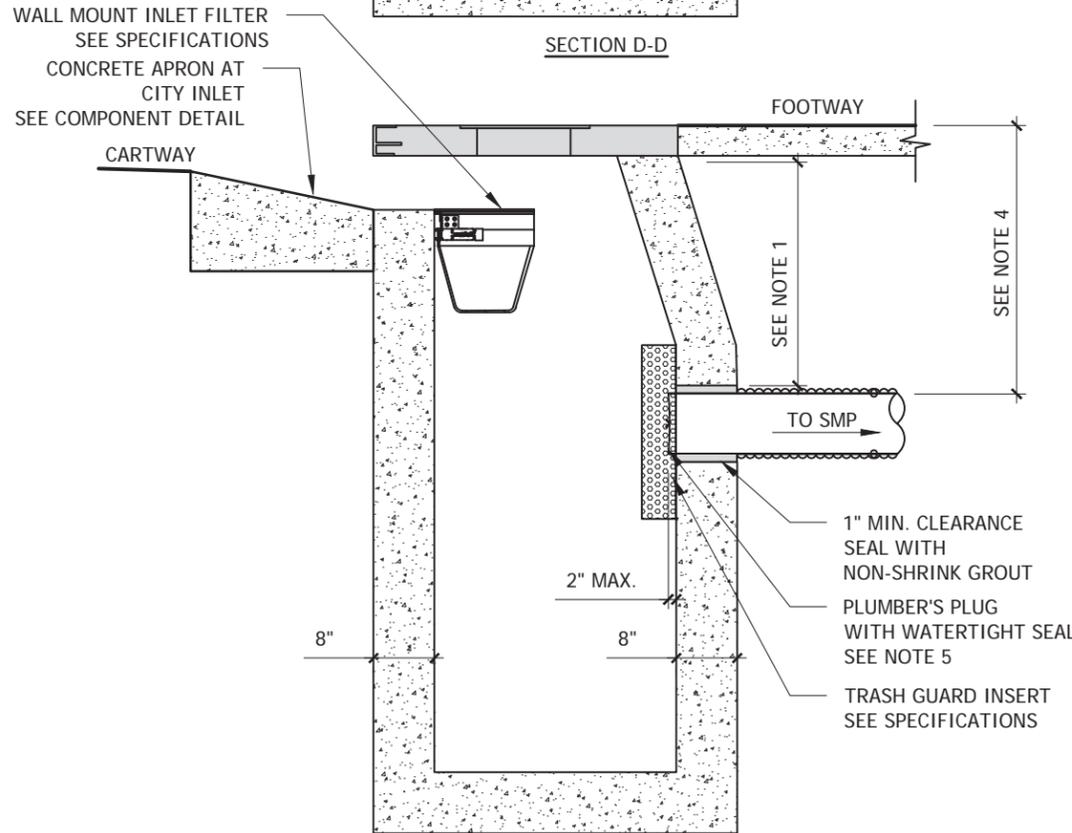
SECTION D-D



SECTION A-A



SECTION B-B



SECTION C-C

6 FOOT GREEN DUAL CATCH BASIN CITY INLET

VS.	DATE	INITIALS	REASON