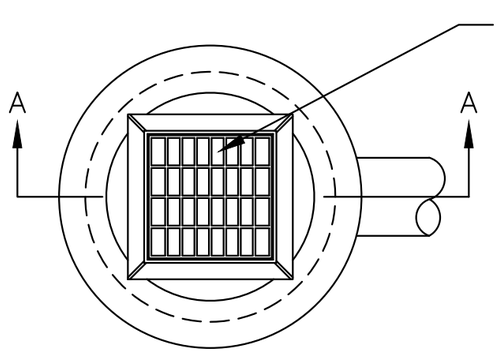
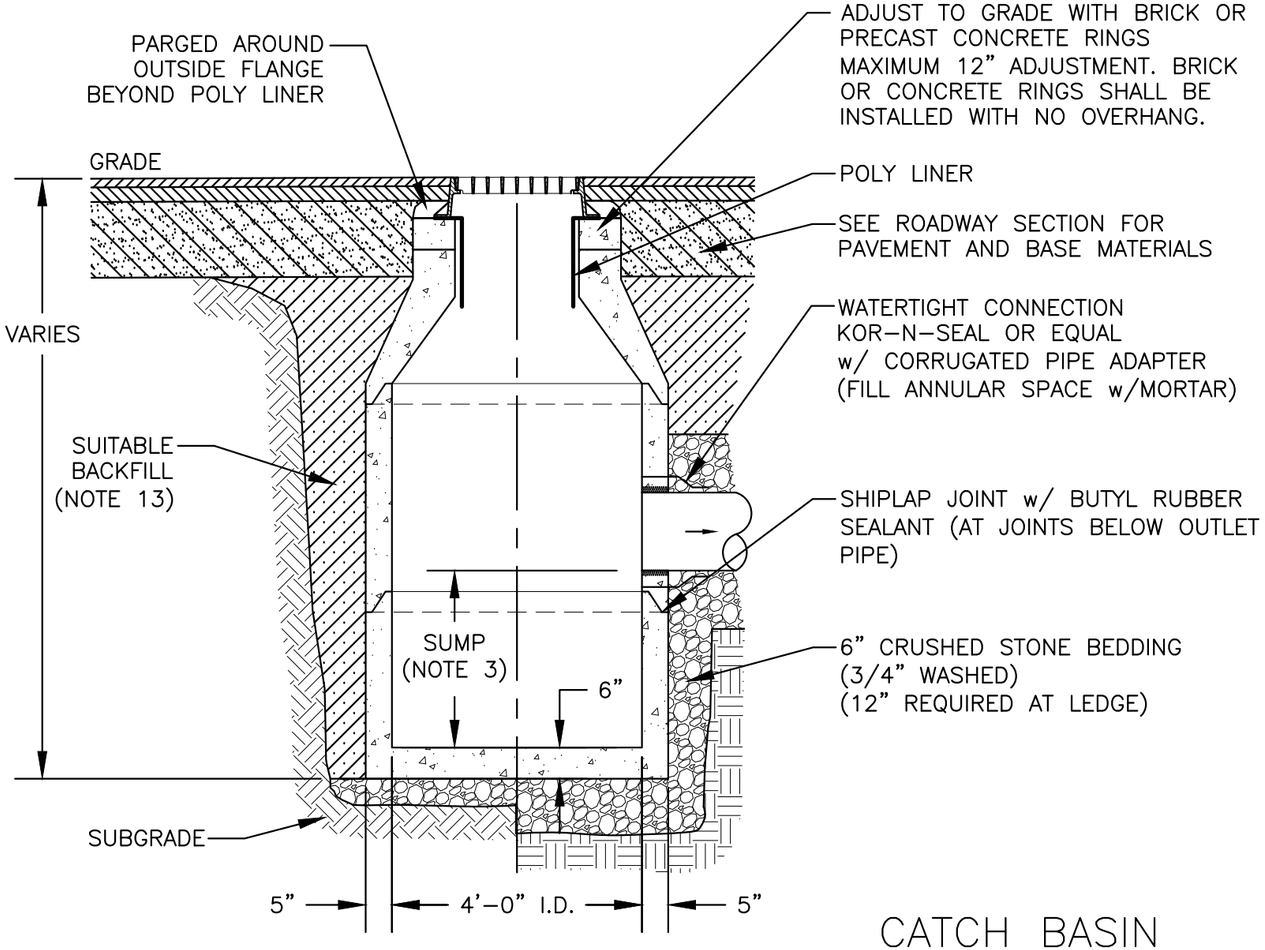


CAST IRON NH TYPE B
(3 FLANGE AT CURB)
FRAME & GRATE
(MADE IN THE USA)

PLAN VIEW



ADJUST TO GRADE WITH BRICK OR PRECAST CONCRETE RINGS MAXIMUM 12" ADJUSTMENT. BRICK OR CONCRETE RINGS SHALL BE INSTALLED WITH NO OVERHANG.

POLY LINER

SEE ROADWAY SECTION FOR PAVEMENT AND BASE MATERIALS

WATERTIGHT CONNECTION
KOR-N-SEAL OR EQUAL
w/ CORRUGATED PIPE ADAPTER
(FILL ANNULAR SPACE w/MORTAR)

SHIPLAP JOINT w/ BUTYL RUBBER SEALANT (AT JOINTS BELOW OUTLET PIPE)

6" CRUSHED STONE BEDDING
(3/4" WASHED)
(12" REQUIRED AT LEDGE)

SECTION A-A

CATCH BASIN

SCALE: N.T.S

NOTES:

1. SUMP BASE, BARRELS AND TOP (CONE OR FLAT) SECTIONS SHALL BE PRECAST REINFORCED CONCRETE (4,000psi AT 28-DAY).
2. ECCENTRIC CONE TOPS ARE REQUIRED. FLAT TOPS REQUIRE ENGINEER APPROVAL.
3. SUMP SHALL BE 4' (MIN) OR AS APPROVED BY THE ENGINEER.
4. STRUCTURE SHALL BE DESIGNED FOR HS-20 LOAD RATING.
5. PIPES IN STRUCTURE SHALL BE WITHIN THE SUMP BASE PORTION OF THE CATCHBASIN.
6. IN THE EVENT THAT SHIPLAP JOINTS OCCUR BELOW INVERT OUT PIPE, THE HORIZONTAL JOINT SHALL BE SEALED FOR WATER TIGHTNESS USING A DOUBLE ROW OF ELASTOMERIC (KENT SEAL OR EQUAL) OR MASTIC SEALANT.
7. CIRCUMFERENTIAL REINFORCEMENT SHALL BE 0.12 SQ. IN. PER LINEAR FT. IN ALL SECTIONS & SHALL BE PLACED IN THE CENTER THIRD OF WALL.
8. THE TONGUE OR THE GROOVE OF THE JOINT SHALL CONTAIN ONE LINE OF CIRCUMFERENTIAL REINFORCEMENT EQUAL TO 0.12 SQ. IN. PER LINEAR FT.
9. EACH CASTING TO HAVE LIFTING HOLES CAST IN.
10. POLY LINER TOP SHALL BE CUT TO EXTEND A MAXIMUM OF 1" BEYOND THE CAST IRON FRAME FLANGE.
11. POLY LINER SHALL BE SET IN BED OF MORTAR. CAST IRON FRAME SHALL BE SET ON POLY LINER WITH TWO COMPLETE BEADS OF SILICONE CAULKING.
12. FRAME SHALL BE PARGED ON THE OUTSIDE FLANGE, BEYOND THE POLY LINER, TO THE CONCRETE STRUCTURE.
13. SUITABLE MATERIAL FOR BACKFILL SHALL BE THE NATURAL MATERIAL EXCAVATED DURING CONSTRUCTION, BUT SHALL EXCLUDE DEBRIS, PIECES OF PAVEMENT, ORGANIC MATTER, TOP SOIL, MUCK, PEAT OR CLAY, EXCAVATED LEDGE MATERIAL, AND ANY OTHER ROCKS OVER SIX INCHES IN LARGEST DIMENSION, OR ANY MATERIALS DEEMED TO BE UNACCEPTABLE BY THE ENGINEER. BACKFILL MATERIAL PLACED AROUND THE STRUCTURE SHALL BE COMPACTED IN 6" LIFTS WITH A JUMPING JACK STYLE COMPACTOR.

REFERENCES:
CITY OF PORTSMOUTH STANDARD TECHNICAL SPECIFICATIONS

DEPARTMENT OF PUBLIC WORKS
CITY OF PORTSMOUTH, NH
680 PEVERLY HILL ROAD
603-427-1530

DATE: 05/08/2025
SCALE: NONE
PROJ. NO.: N/A
APVD BY: [XXX]

PROJECT: CITY OF PORTSMOUTH STANDARD DETAILS

TITLE: CATCH BASIN

SHEET: D-002