SEWER SYSTEM

STANDARD DETAIL DRAWINGS INDEX

S-200: STANDARD MANHOLE

S-204: DOGHOUSE MANHOLE

S-205: FLAT-TOP MANHOLE PIPES LESS THAN 24" DIAM.

S-210: MANHOLE BASE STANDARD DETAILS

S-210B: CAST-IN-PLACE REBAR CAGE

S-220: STANDARD INSIDE DROP MANHOLE

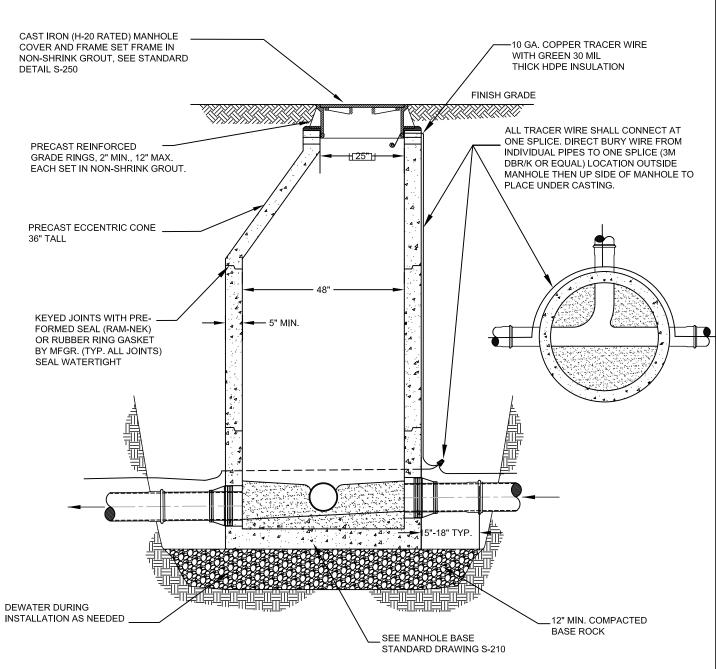
S-250: MANHOLE COVER AND FRAME DETAILS

S-260: MANHOLE FRAME GRADE ADJUSTMENT

S-300: STANDARD SERVICE CONNECTION AND LATERAL

S-306: END OF MAIN LINE CLEAN OUT DETAIL





NOTES:

- 1. ALL PRECAST MANHOLE SECTIONS SHALL MEET ASTM C-478.
- 2. FLAT-TOP MANHOLE REQUIRED WHEN DEPTH FROM FINISH GRADE TO INVERT IS LESS THAN 6 FEET.
- 3. INTERIOR DROPS EXCEEDING 24" REQUIRE INSIDE DROP. SEE DRAWING S-220.
- 4. LARGER INLET PIPES THAN 24" WILL REQUIRE A SPECIAL DESIGN AND APPROVAL FROM CITY ENGINEER
- 5. BACKFILL AND DENSITY REQUIREMENTS SHALL CONFORM TO THE OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION, CURRENT EDITION, SECTION 00405.
- 6. MANHOLES SHALL BE TESTED PER OREGON STANDARD SPECIFICATIONS, CURRENT EDITION, SECTION 00470.71.b.

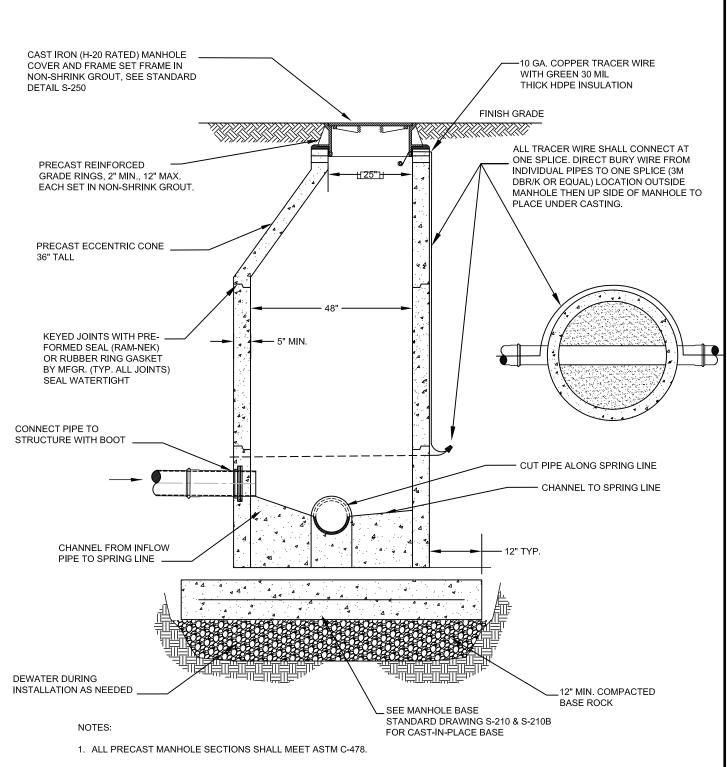


City of Newport 169 SW Coast Hwy Newport, Oregon 97365 (541) 574-3366 Fax: (541) 265-3301

STANDARD SANITARY MANHOLE PIPES LESS THAN 24" DIAM.

DETAIL NO.

S-200



- 2. FLAT-TOP MANHOLE REQUIRED WHEN DEPTH FROM FINISH GRADE TO INVERT IS LESS THAN 6 FEET.
- 3. INTERIOR DROPS EXCEEDING 24" REQUIRE INSIDE DROP. SEE DRAWING S-220.
- 4. LARGER INLET PIPES THAN 24" WILL REQUIRE A SPECIAL DESIGN AND APPROVAL FROM CITY ENGINEER
- 5. BACKFILL AND DENSITY REQUIREMENTS SHALL CONFORM TO THE OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION, CURRENT EDITION, SECTION 00405.
- 6. MANHOLES SHALL BE TESTED PER OREGON STANDARD SPECIFICATIONS, CURRENT EDITION, SECTION 00470.71.b.

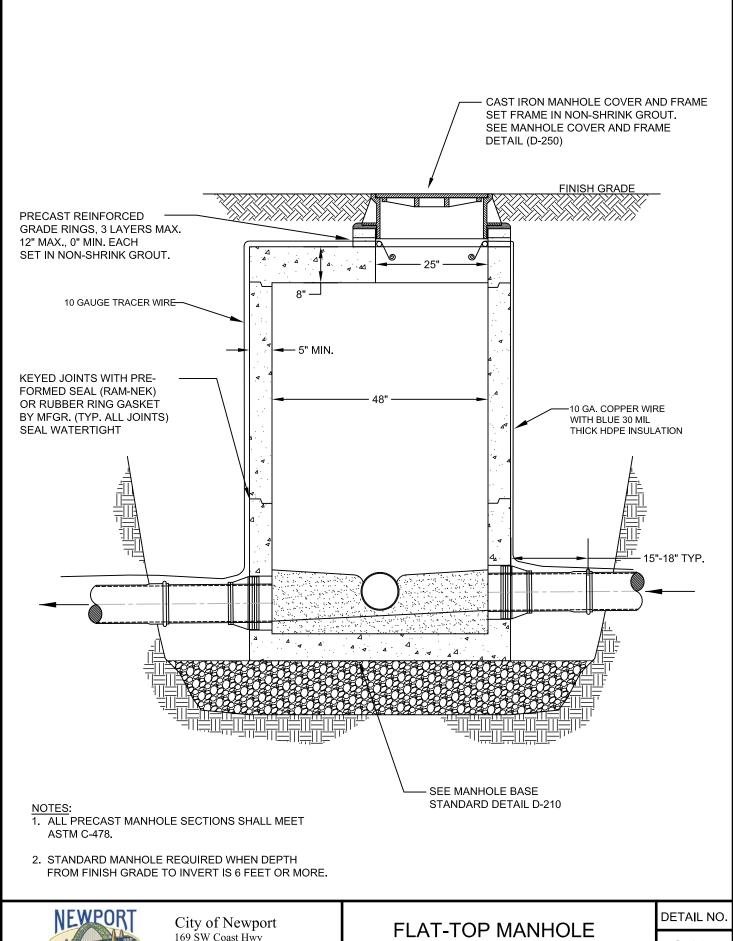


City of Newport 169 SW Coast Hwy Newport, Oregon 97365 (541) 574-3366 Fax: (541) 265-3301

DOGHOUSE MANHOLE DETAIL NO.

S-204

2/6/2023



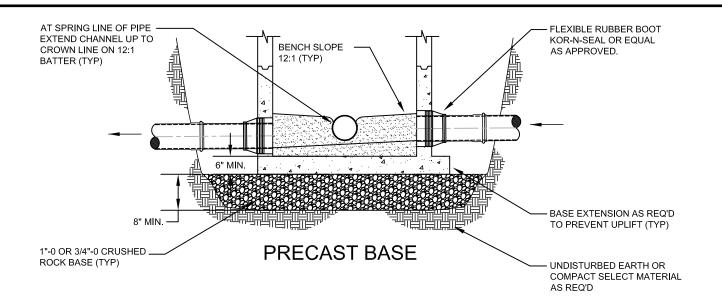
NEWPORT

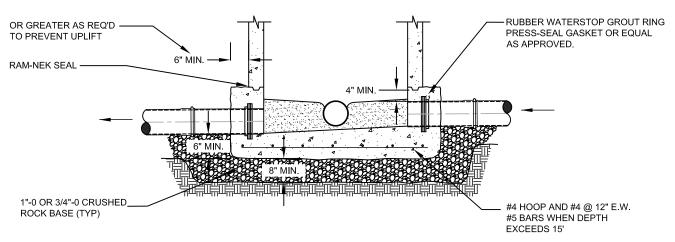
City of Newport 169 SW Coast Hwy Newport, Oregon 97365 (541) 574-3366 Fax: (541) 265-3301

PIPES LESS THAN 24" DIAM.

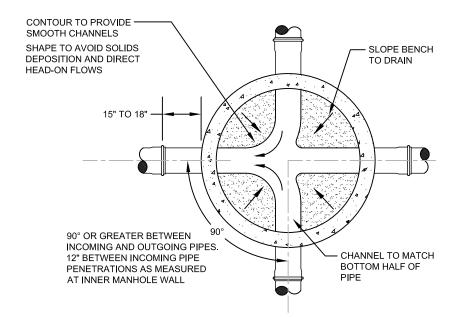
S-205

9/6/2019





CAST-IN-PLACE BASE



NOTES:

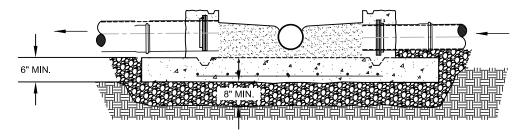
- SEE STANDARD MANHOLE DRAWING S-200 FOR TRACER WIRE REQUIREMENT.
- 2. PRECAST OR CAST-IN-PLACE BASE AT CONTRACTOR'S OPTION OR AS DIRECTED.
- 3. A MIX DESIGN SHALL BE SUBMITTED TO CITY PRIOR TO SCHEDULING POUR.
- 4. STRUCTURAL CONCRETE SHALL CONFORM WITH THE OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION, CURRENT EDITION, SECTION 00759.
- 5. MIN. 0.2 FT. INVERT DROP ACROSS MANHOLF
- MANHOLE BASE SHALL BE CLEAN OF DIRT AND DEBRIS PRIOR TO CHANNELING BASE.
- 7. PIPE PENETRATIONS SHALL NOT CROSS THROUGH BARREL SECTION JOINTS.



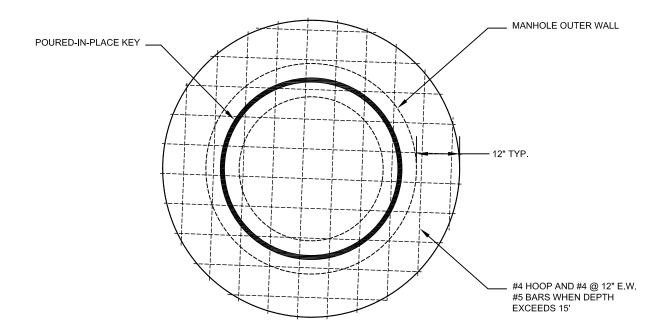
City of Newport 169 SW Coast Hwy Newport, Oregon 97365 (541) 574-3366 Fax: (541) 265-3301

MANHOLE BASE STANDARD DETAILS DETAIL NO.

S-210



SIDE VIEW



TOP VIEW OF BASE

NOTE:

SEE DETAIL S-210 FOR CONCRETE AND CONSTRUCTION SPECIFICATIONS



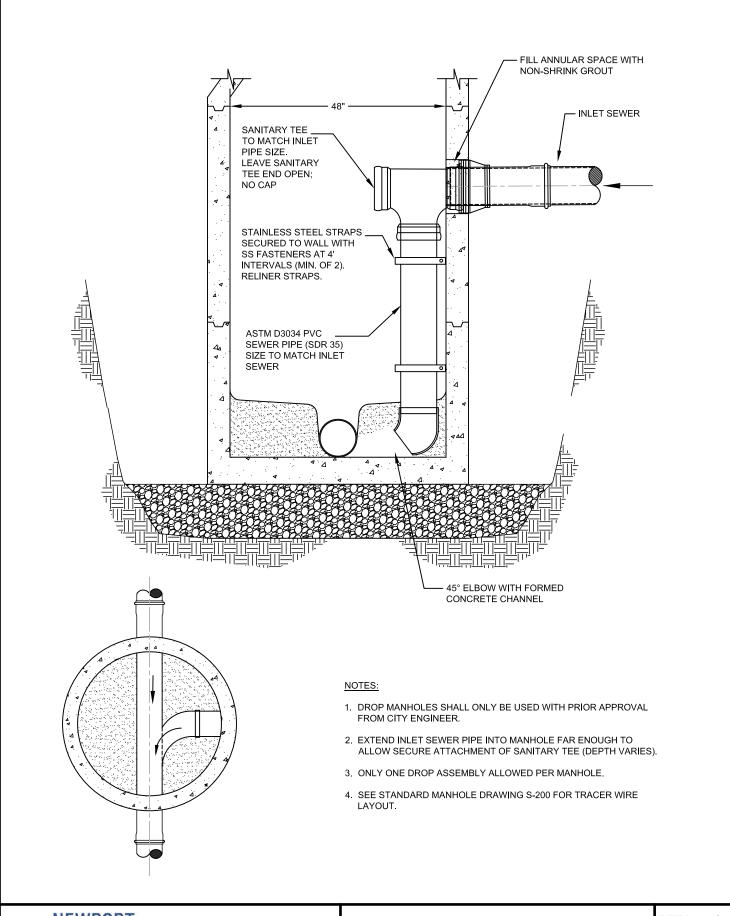
City of Newport 169 SW Coast Hwy Newport, Oregon 97365 (541) 574-3366 Fax: (541) 265-3301

CAST-IN-PLACE MANHOLE BASE

DETAIL NO.

S-210B

8/24/2022

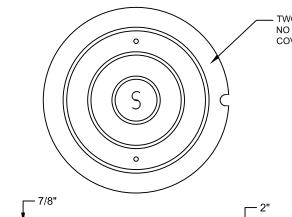




City of Newport 169 SW Coast Hwy Newport, Oregon 97365 (541) 574-3366 Fax: (541) 265-3301

STANDARD INSIDE DROP MANHOLE DETAIL NO.

S-220

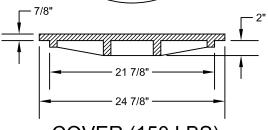


TWO HOLE 'S' COVER STANDARD NO VENT HOLES IN WATERTIGHT COVERS

> WATERPROOF/BOLT-DOWN COVER ALLOWED ONLY IN AREAS OF POTENTIAL SURCHARGE OR SURFACE FLOODING; WITH PRIOR APPROVAL OF CITY ENGINEER

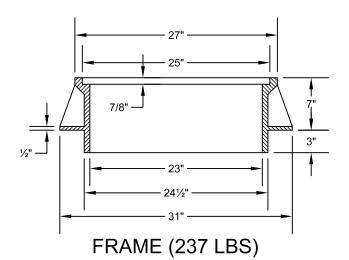
> > SEE DETAIL

BOLT FOR WATERPROOF AND BOLT-DOWN COVER



COVER (150 LBS)

(OLYMPIC FOUNDRY MH26S, OR APPROVED EQUAL)



DEPRESSED HANDLE

(OLYMPIC FOUNDRY MH26WT, OR APPROVED EQUAL)

(OLYMPIC FOUNDRY MH26A, OR APPROVED EQUAL)

1. MANHOLE FRAMES AND COVER SHALL HAVE H-20 RATING



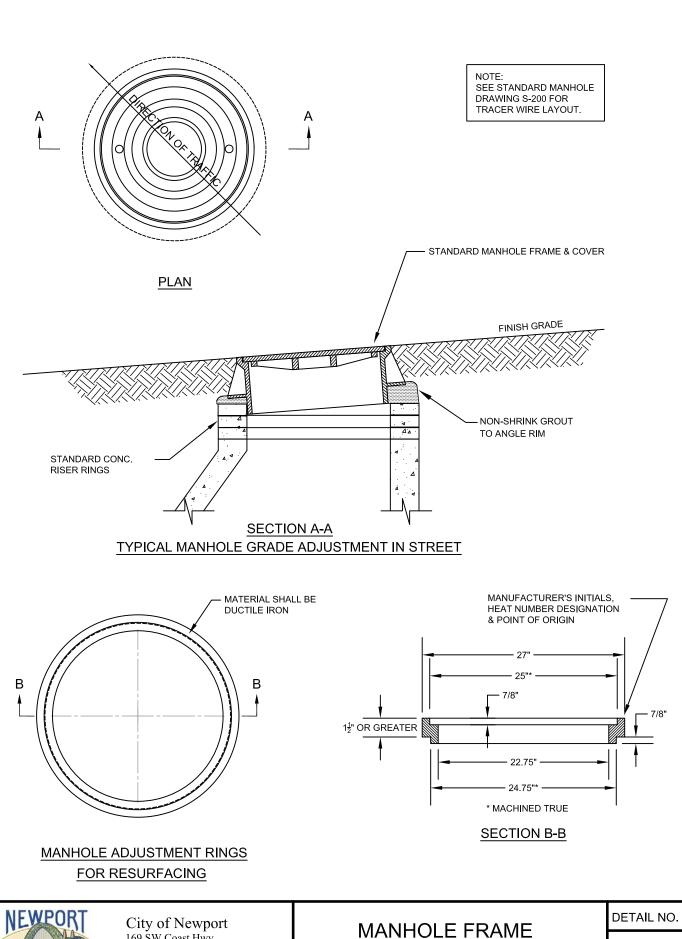
City of Newport 169 SW Coast Hwy Newport, Oregon 97365 (541) 574-3366 Fax: (541) 265-3301

MANHOLE COVER AND FRAME DETAILS

DETAIL NO.

S-250

6/27/2024

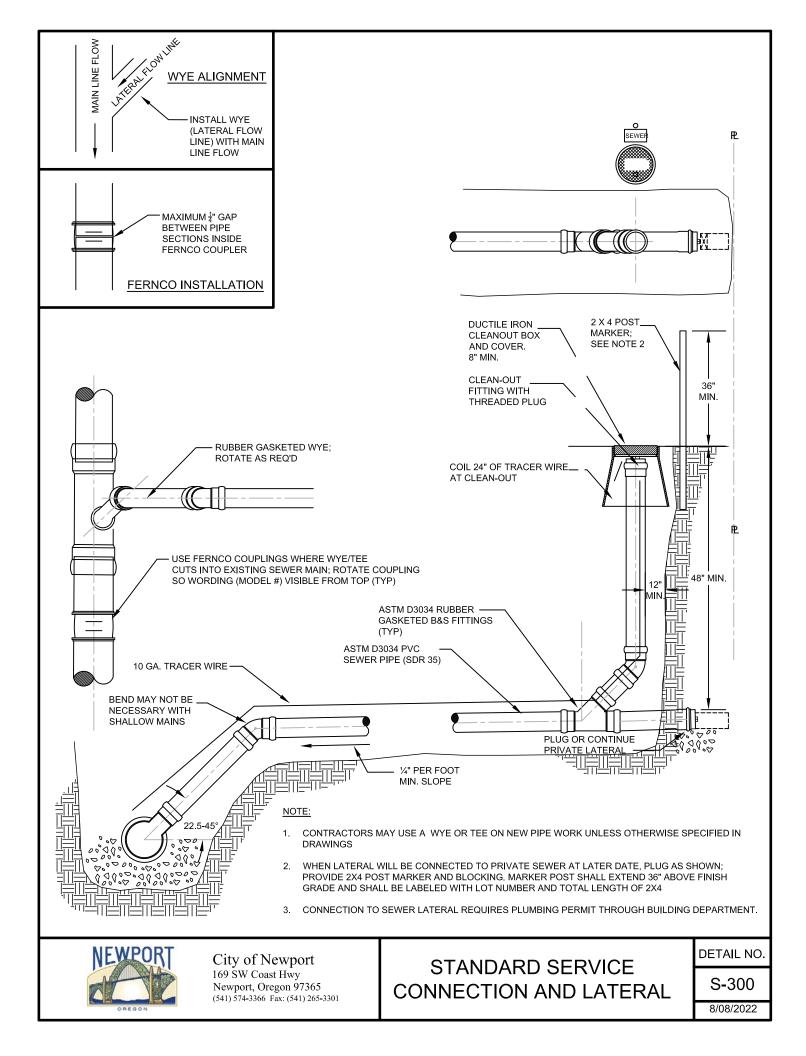


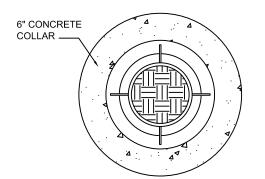
NEWPURI

City of Newport 169 SW Coast Hwy Newport, Oregon 97365 (541) 574-3366 Fax: (541) 265-3301

MANHOLE FRAME
GRADE ADJUSTMENT

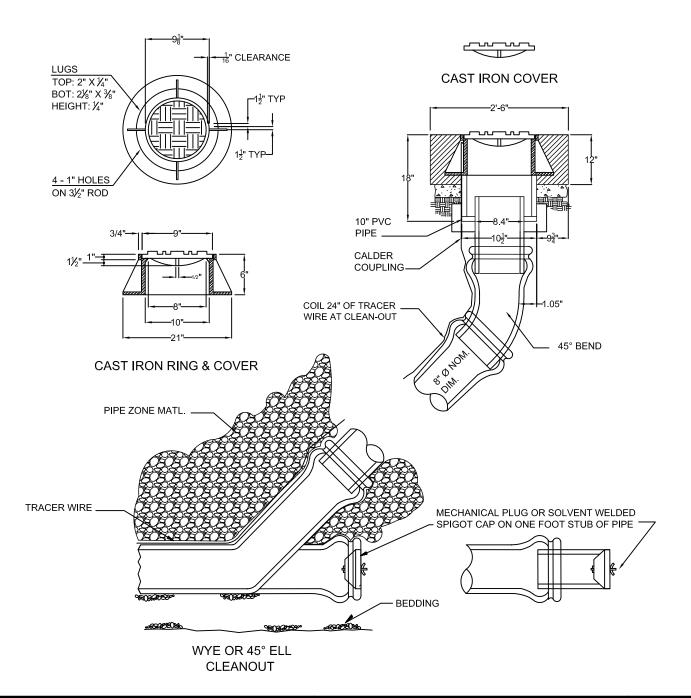
S-260





NOTE:

- 1. CONCRETE COLLAR INSTALLED IN GRAVEL ROADS.
- 2.





City of Newport 169 SW Coast Hwy Newport, Oregon 97365 (541) 574-3366 Fax: (541) 265-3301

END OF MAIN LINE CLEAN OUT DETAIL

DETAIL NO.

S-306