NOTES:
1. CONCRETE ENCAFLMENT SHALL BE CLASS II TYPE III
   MIN 6" THICK ALL AROUND DROP.
2. DIAMETER OF DROP SHALL MATCH LINE PIPE
   DIAMETER.
3. TRACER WIRE REQUIRED FOR ALL SANITARY SEWER
   MAINS, LATERALS AND MANHOLES. REFER TO
NOTES:
1. TYPE "A" ELEMENTS ARE TYPICAL FOR ALL TYPES UNLESS SPECIFICALLY NOTED OTHERWISE.
2. ALL LATERALS SHALL BE LOCATED 10' MINIMUM DISTANCE FROM THE DOWNHILL PROPERTY LINE OF THE SERVICE SIDE OF THE LOT, UNLESS OTHERWISE APPROVED BY THE TOWN PRIOR TO INSTALLATION.
3. ALL SEWER LATERAL CONNECTIONS SHALL BE TYPE "A" AND SHALL BE CONSTRUCTED ON A STRAIGHT LINE AND GRADE BETWEEN CONTROL POINTS EXCEPT AS OTHERWISE INDICATED ON THE APPROVED PROJECT PLANS.
4. TRACER WIRE IS REQUIRED FOR ALL SANITARY SEWER MAINS, LATERALS AND MANHOLES.
5. TRACER WIRE SHALL BE BROUGHT UP IN A TRACER WIRE TEST STATION LOCATED BETWEEN CLEANOUT AND FOUNDATION, AND IS TO BE PROVIDED BY THE BUILDER.
NOTES:

1. CASTING SPECIFICATIONS: ASTM A-48 with a minimum tensile strength of 30,000 PSI (Class 30). (NEENAH TYPE R-1706 RING & COVER OR EQUIVALENT)
2. TOTAL MINIMUM WEIGHT APPROXIMATELY 410 LBS.
3. DO NOT USE IN APPLICATIONS WHERE MANHOLES ARE WITHIN DRAINAGE WAYS.
4. STANDARD MANUFACTURER'S LETTERING SIZES & PATTERNS. (LETTERING SHALL BE CAST AS PART OF COVER)
5. MANHOLE OUTSIDE OF R.O.W. MUST HAVE A LOCKING LID AND CARBONATE MARKER.
6. TRACER WIRE REQUIRED FOR ALL SEWER MAINS, LATERALS AND MANHOLE. REFER TO DETAILS SD-5, SS-2, SS-11, AND W-28.

SEWER MANHOLE
24" RING & COVER

SECTION A - A
SEWER PIPE CROSSING
CONCRETE BLANKET

Town of Castle Rock

Development Services

Issued By: Town of Castle Rock, Development Services March 2, 2020

DETAIL PLAN NO.
SS-6

Sheet 1 of 1
NOTES:
1. CLEANOUT PIPE DIAMETER SHALL BE THE SAME SIZE AS THE SEWER LINE AT THE WYE.
2. SEWER IS NOT TO BE CONVEYED THROUGH CLEANOUT.
3. CLEANOUT IS FOR PRIVATE USE ONLY.
4. TRACER WIRE REQUIRED FOR ALL SEWER MAINS, LATERALS, AND MANHOLES. REFER TO DETAILS SS-6, SS-2, SS-11, AND W-28.
NOTES:

1. ALL TRENCHES SHALL BE BACKFILLED IN ACCORDANCE WITH THIS DETAIL UNLESS OTHERWISE SPECIFIED BY PUBLIC WORKS.

2. PRIOR TO PLACEMENT OF CONCRETE, ALL EDGES SHALL BE SAW CUT TO A CLEAN, STRAIGHT, AND VERTICAL EDGE.

3. PRIOR TO PLACEMENT OF ASPHALT, 18 INCHES OF ADJACENT ASPHALT SHALL BE MILLED TO 2 INCH DEPTH ON ALL SIDES TO MATCH EXISTING PAVEMENT. INNER SURFACE TO BE TACKED WITH HSS-1.

4. WHEN SUBSTITUTING FOR BACKFILL MATERIAL, FLOWABLE FILL SHALL CONFORM TO MOREC CLSM STANDARDS.

5. TRENCH WIDTH SHALL NOT BE MORE THAN 16" OR LESS THAN 12" WIDER THAN THE DIAMETER OF THE PIPE.

6. 95% OF ASTM D698 STANDARD COMPACTION EFFORT IS REQUIRED ON ALL TRENCHING ZONES, IN BOTH IMPROVED & UNIMPROVED AREAS.

7. IN UNIMPROVED AREAS, ALL DISTURBED AREAS SHALL BE REGRADED, SEEDED & MULCHED.

8. IN CONCRETE ROADWAYS, A MINIMUM OF 1/2 PANEL WIDTH OR 10" X 5" SECTION WILL BE ALLOWED TO REMAIN, OTHERWISE THE ENTIRE CONCRETE PANEL MUST BE REPLACED.

9. USE #4 REBAR AT 2' CENTERS ALONG THE PERIMETER OF CONCRETE REPLACEMENT SECTIONS.

10. 6" MAXIMUM COMPACTED LIFT THICKNESS IF FLOWABLE FILL NOT REQUIRED.

11. BEDDING MATERIAL DEPTH WHEN INSTALLING STORM SEWER SHALL BE UP TO SPRING LINE, EXCEPT IN AREAS OF UNSUITABLE BACKFILL, THEN BEDDING MATERIAL SHALL BE 12" ABOVE PIPE.

12. TRENCH WIDTHS LESS THAN 4' OR TRENCHING THAT EXPERIENCES CAVE-INS OR SLIDING SHALL REQUIRE FLOWABLE FILL IN ORDER TO ACHIEVE COMPACTION.
SANITARY SEWER SERVICE LINE ABANDONMENT REQUIREMENTS

1. ABANDONMENT TO INCLUDE REMOVAL OF SERVICE WITHIN RIGHT-OF-WAY AND INSTALLATION OF CONCRETE CAP ON SERVICE LINE.

2. AREA TO BE REPAIRED AND REPLACED TO MATCH THE CONDITIONS OF SURROUNDING AREA.

3. ABANDONMENT REQUEST LETTER MUST BE SUBMITTED TO CASTLE ROCK WATER BILLING AND BE APPROVED BY ENGINEERING TO DISCONTINUE ACCOUNT.

4. PUBLIC WORKS PERMIT IS REQUIRED TO ABANDONED SERVICE.

5. ABANDONMENT OPTION TO BE DETERMINED BY PUBLIC WORKS INSPECTOR AND CASTLE ROCK WATER.

6. INTERNAL ABANDONMENT WITH CIPP LINING AS APPROVED BY CASTLE ROCK WATER. MINIMUM 4' SECTION OF LINING.

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A. FOR EXISTING SADDLE STRAP CONNECTION, PULL OUT EXISTING SERVICE AND INSTALL PLUG.

B. REPLACE PIPE SECTION. CONNECTIONS SHOULD BE FERNO STRONG BACK, CAULDER OR APPROVED EQUIVALENT. REPLACEMENT PIPE SHALL BE PVC SDR35 MIN. IF INSTALLED ON LARGE DIAMETER PIPE, FACTORY TRANSITION COUPLING MUST BE USED.
TEEE CONNECTION

WYE CONNECTION

GENERAL NOTES:

1. REMOVE MINIMUM 5 FEET OF SERVICE PIPE, FIELD CUT SERVICE PIPE AT 1 FOOT MAXIMUM FROM OUTSIDE OF MAIN LINE.

2. INSTALL PLUGS AT CUT SERVICE CONNECTIONS AND POUR CONCRETE COLLAR 4 INCHES EACH SIDE OF PIPE END, 4 INCHES THICK.

3. POUR CONCRETE AROUND CUT SERVICE CONNECTIONS AND CONCRETE COLLAR TO SUPPORT WEIGHT.
TRACER WIRE FOR SANITARY SEWERS

1. REFER TO STANDARD NOTES FOR TOWN OF CASTLE ROCK GENERAL TRACER WIRE REQUIREMENTS.

2. TRACER WIRE AND TEST STATION LIDS SHALL BE GREEN FOR ALL SANITARY SEWERS AND MANHOLES.

3. REFER TO DETAIL W-28 FOR STANDARD TRACER WIRE TEST STATION REQUIREMENTS.

4. TRACER WIRE SHALL BE SECURELY FASTENED TO PIPES AND MANHOLES USING TAPE, PLASTIC TIES, OR APPROVED ADHESIVE AT 5-FOOT INTERVALS.

5. TRACER WIRE SHALL BE LOCATED WITHIN EVERY SANITARY SEWER MANHOLE BY DIRECTING THE WIRE VERTICALLY FROM THE MAIN UP TO AND THEN THROUGH THE CONE. A MINIMUM OF 2 FT OF WIRE SHALL BE NEATLY COILED AND PROTECTED, AND SHALL BE PLACED NO DEEPER THAN 10 INCHES BELOW THE MANHOLE Lid.


7. AT ALL FUTURE CONNECTION STUB OUTS, THE END OF THE TRACER WIRE SHALL BE CONTAINED WITHIN A CORROSION PREVENTION CAP, THEN BROUGHT TO SURFACE AND ATTACHED TO THE 2" x 4" WOODEN MARKER POST AT GRADE WITHIN THE EASEMENT OR R.O.W.