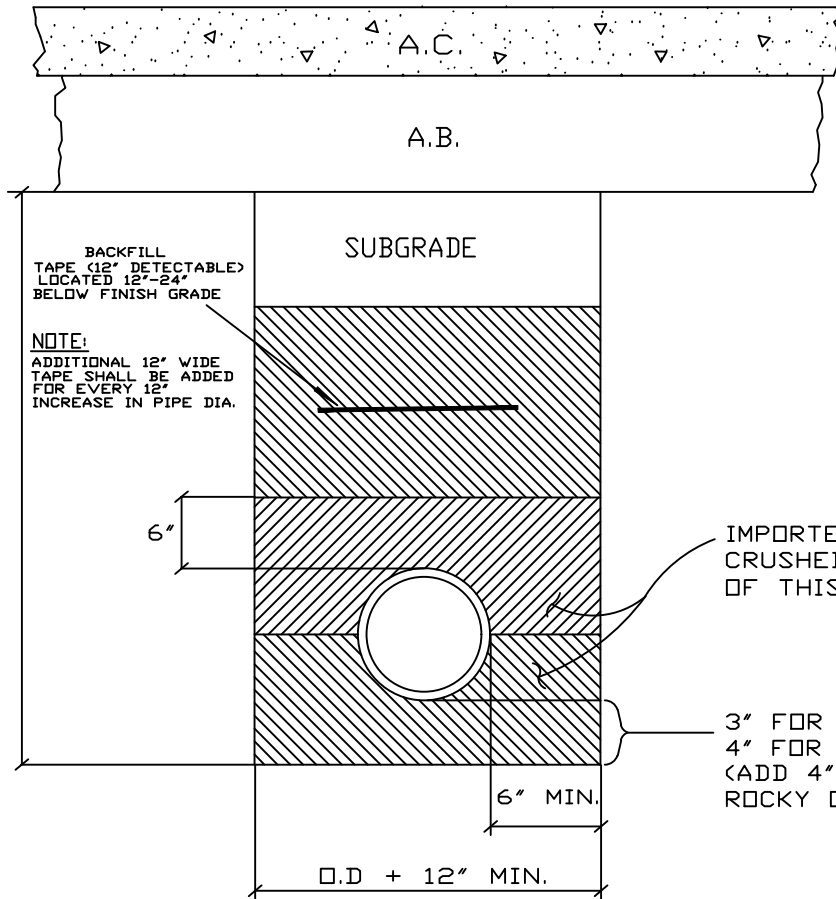
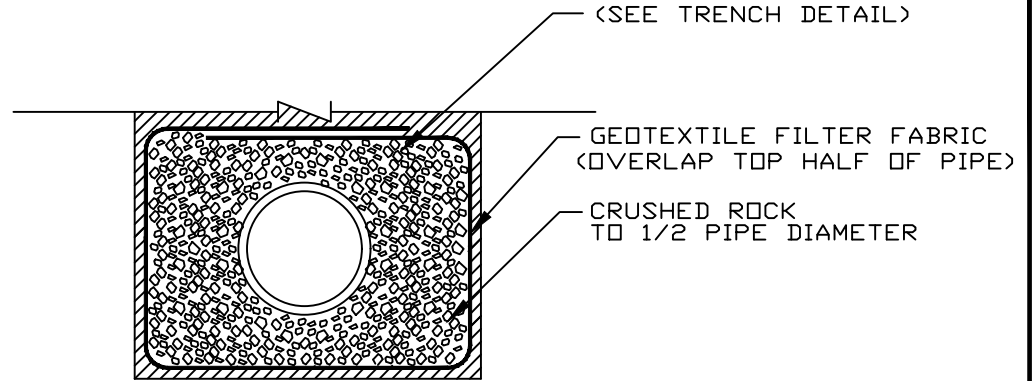


TRENCH BACKFILL REQUIREMENTS:

1. PROPOSED STREETS- REFER TO DETAIL TB-1 OF SECTION 31 FOR BACKFILL REQUIREMENTS ABOVE THE PIPE ZONE.
2. EXISTING STREETS- REFER TO DETAIL TB-1 AND TB-3 OF SECTION 31 FOR BACKFILL REQUIREMENTS ABOVE THE PIPE ZONE.



NOTE: BACKFILL SHALL BE MECHANICALLY CONSOLIDATED OR SHOVEL SLICED UNDER THE HAUNCHES OF THE PIPE



SATURATED PIPE TRENCH

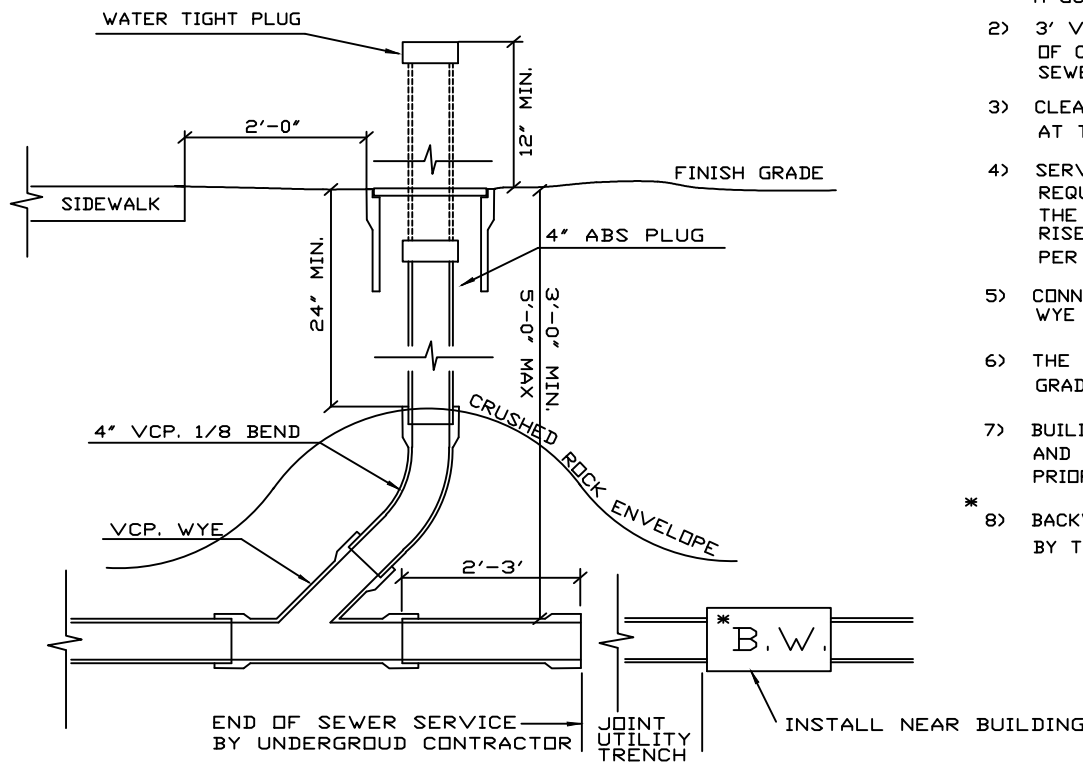
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ENVIRONMENTAL UTILITIES DIRECTOR

	ENVIRONMENTAL UTILITIES DEPARTMENT
	SEWER MAIN TRENCH AND BACKFILL
SCALE: NONE REVISED: JANUARY 2019 DRAWN BY: R. VAN NESS APPROVED BY: RICHARD PLECKER	SS-1

NOTES:

- 1) INSTALL ROUND NON-TRAFFIC TYPE CONCRETE VALVE BOX & COVER MARKED "SEWER" IN A NON - TRAFFIC AREA . INSTALL METAL LID MARKED "SEWER" IN AREAS WITH POTENTIAL TRAFFIC. A G5 BOX SHALL BE INSTALLED IN TRAFFIC AREAS.
- 2) 3' VCP STUB SHALL BE INSTALLED UPSTREAM OF CLEANOUT. 2' VCP SHALL BE INSTALLED WHERE SEWER SERVICE ENTERS OVER JOINT UTILITY TRENCH
- 3) CLEANOUT BOX TO BE FREE OF ALL DIRT AND READY AT TIME OF PRE-FINAL INSPECTION.
- 4) SERVICES OVER 100' LONG AND COMMERCIAL SERVICES REQUIRE A MIN. 6' CLEANOUT WITH 6" FITTINGS. THE CLEANOUT BOX SHALL BE A G-5 BOX FOR 4" - 6" RISERS AND A G-12 BOX FOR 8" RISERS. CONSTRUCT PER W-16.
- 5) CONNECTION TO MAIN SHALL BE WITH A FACTORY WYE OR AT A MANHOLE.
- 6) THE CLEANOUT RISER SHALL BE INSTALLED 12" ABOVE GRADE PRIOR TO BUILDING CONSTRUCTION.
- 7) BUILDING CONTRACTOR SHALL SET BOX TO FINISH GRADE AND INSTALL AN ABS PLUG SET 6" BELOW THE SURFACE PRIOR TO BUILDING PRE-FINAL.
- * 8) BACKWATER VALVE IF REQUIRED SHALL BE INSTALLED BY THE BUILDING CONTRACTOR



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- 9) TREES ARE TO BE PLACED 7 1/2' FROM CLEAN OUT.
- 10) INSTALL A CITY CLEANOUT AT A MINIMUM 5' FROM COMMERCIAL BUILDINGS.

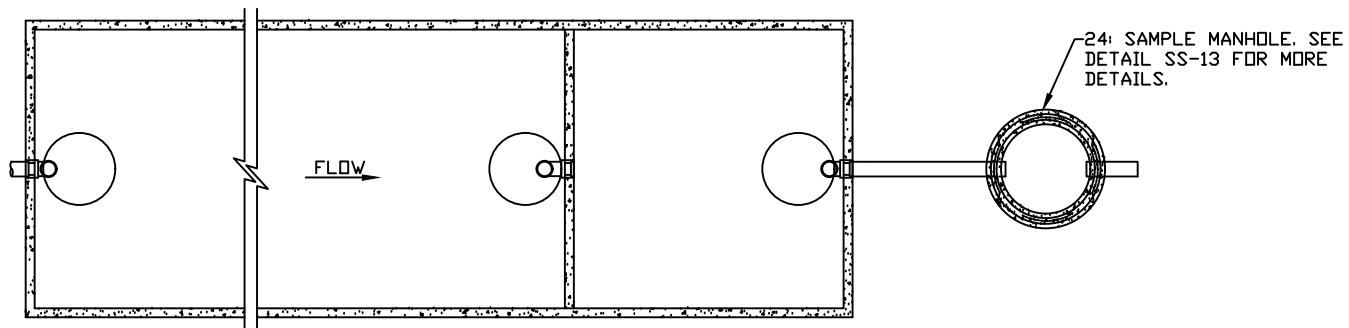


ENVIRONMENTAL UTILITIES
DEPARTMENT

SEWER SERVICE CLEANOUT

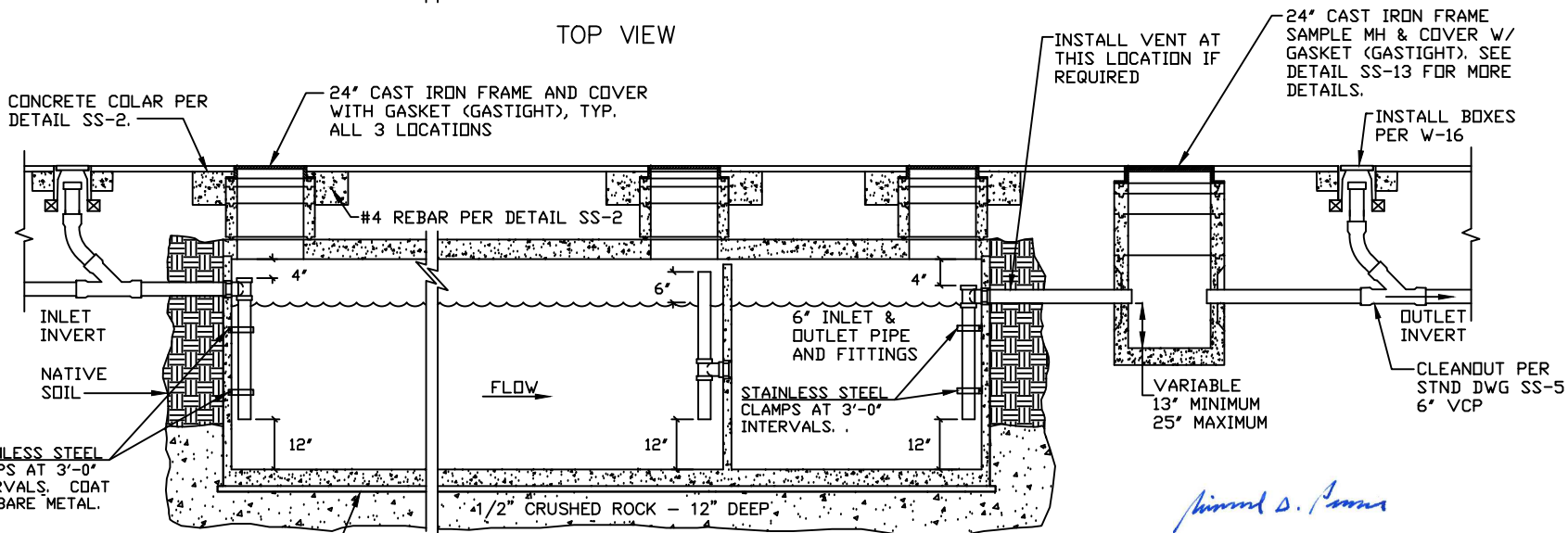
SCALE: NONE
REVISED: JANUARY 2020
DRAWN BY: R. VAN NESS
APPROVED BY: RICHARD PLECKER

SS-5



TOP VIEW

24" SAMPLE MANHOLE. SEE DETAIL SS-13 FOR MORE DETAILS.



SIDE VIEW (CUT AWAY)
MIN. BOX DESIGN LOAD: H-20 TRAFFIC

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ENVIRONMENTAL UTILITIES DIRECTOR

*NOTE: THE PRECAST CONCRETE UNITS SHALL BE PLACED ON LEVEL UNDISTURBED SOIL, W/1/2" CRUSHED ROCK 12" DEEP. TWO 2x6 REDWOOD GRADE BOARDS SHALL BE PLACED BELOW THE TANK SIDE WALLS ALONG THE LONG DIMENSION PER THE MANUFACTURERS GUIDELINES.

SIZING SHALL BE BASED ON THE CALIFORNIA PLUMBING CODE

*NOTE: PRIOR TO BACKFILL, INTERCEPTOR SHALL BE FILLED WITH WATER AND HELD FOR 24HRS WITH NO VISIBLE LEAKAGE.

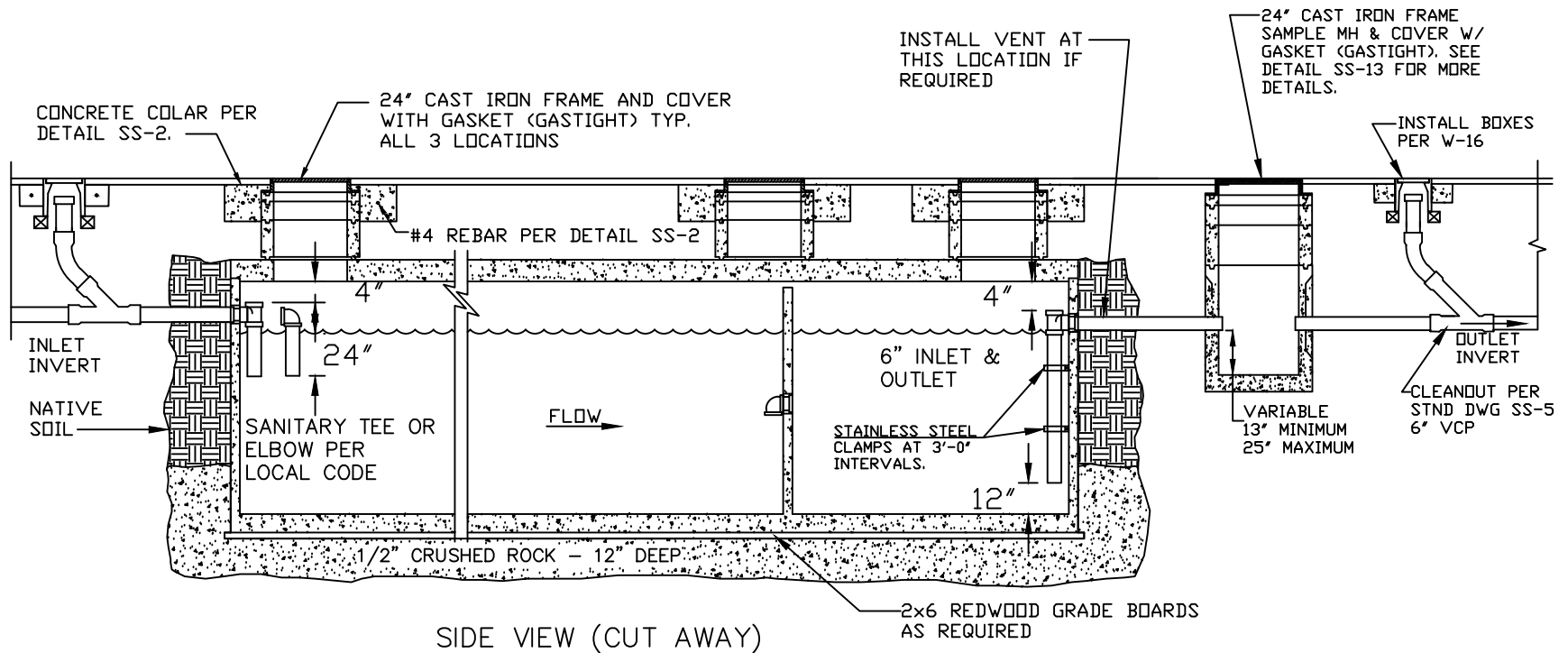


ENVIRONMENTAL UTILITIES DEPARTMENT

GREASE INTERECEPTOR (TYP.)

SCALE: NONE
REVISED: JANUARY 2025
DRAWN BY: R. VAN NESS
APPROVED BY: RICHARD PLECKER

SS-6



SIDE VIEW (CUT AWAY)

MIN. BOX DESIGN LOAD: H-20 TRAFFIC

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*NOTE: THE PRECAST CONCRETE UNITS SHALL BE PLACED ON LEVEL UNDISTURBED SOIL, W/1/2" CRUSHED ROCK 12" DEEP. TWO 2x6 REDWOOD GRADE BOARDS SHALL BE PLACED BELOW THE TANK SIDE WALLS ALONG THE LONG DIMENSION PER THR MANUFACTURERS GUIDELINES.

SIZING SHALL BE BASED ON CALIFORNIA PLUMBING CODE

*NOTE: PRIOR TO BACKFILL, INTERCEPTOR SHALL BE FILLED WITH WATER AND HELD FOR 24HRS WITH NO VISIBLE LEAKAGE.

*NOTE: IF SIZE IS <1000 GAL, INTERCEPTOR DOES NOT HAVE MIDDLE MANHOLE

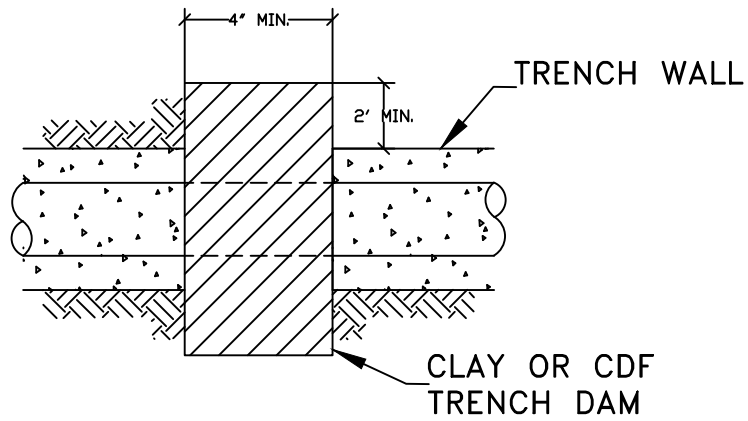


ENVIRONMENTAL UTILITIES
DEPARTMENT

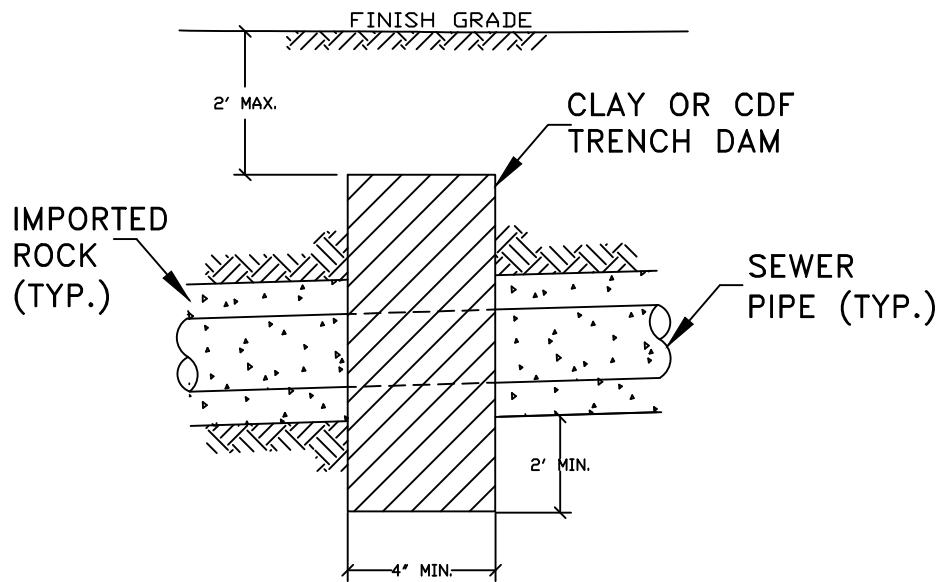
SAND/OIL INTERECEPTOR

SCALE: NONE
REVISED: JANUARY 2025
DRAWN BY: R. VAN NESS
APPROVED BY: RICHARD PLECKER

SS-7



PLAN VIEW



PROFILE VIEW

NOTE:

TRENCH DAM SHALL BE CONSTRUCTED OF CLEAN CLAY MATERIAL OR CONTROLLED DENSITY FILL.

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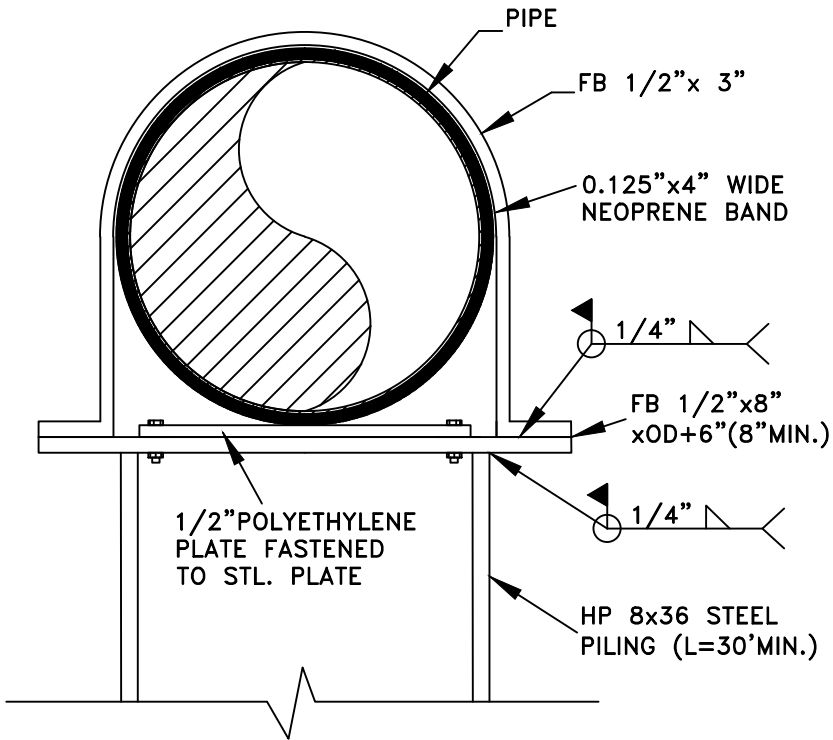


ENVIRONMENTAL UTILITIES
DEPARTMENT

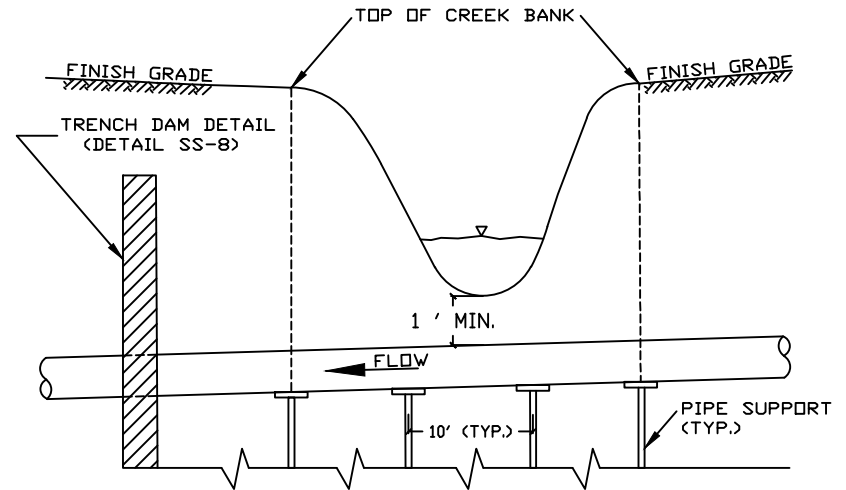
TRENCH DAM

SCALE: NONE
REVISED: JANUARY 2016
DRAWN BY: R. VAN NESS
APPROVED BY: RICHARD PLECKER

SS-8



PIPE SUPPORT DETAIL



CREEK CROSSING

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MTRL. NOTES:

1. STRUCTURAL STL. SHALL BE A36 (Fy=36ksi)
2. WELDING RODS SHALL BE E70 (Fy=70ksi)

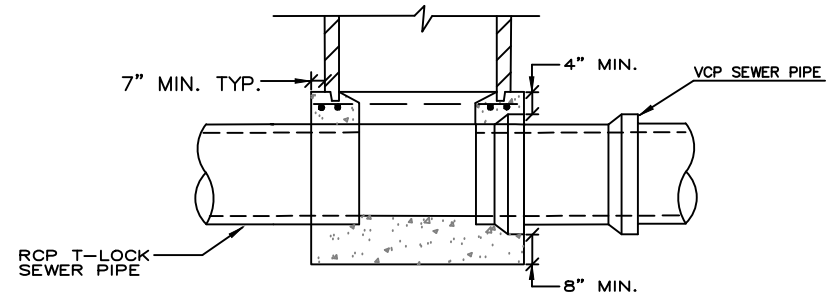
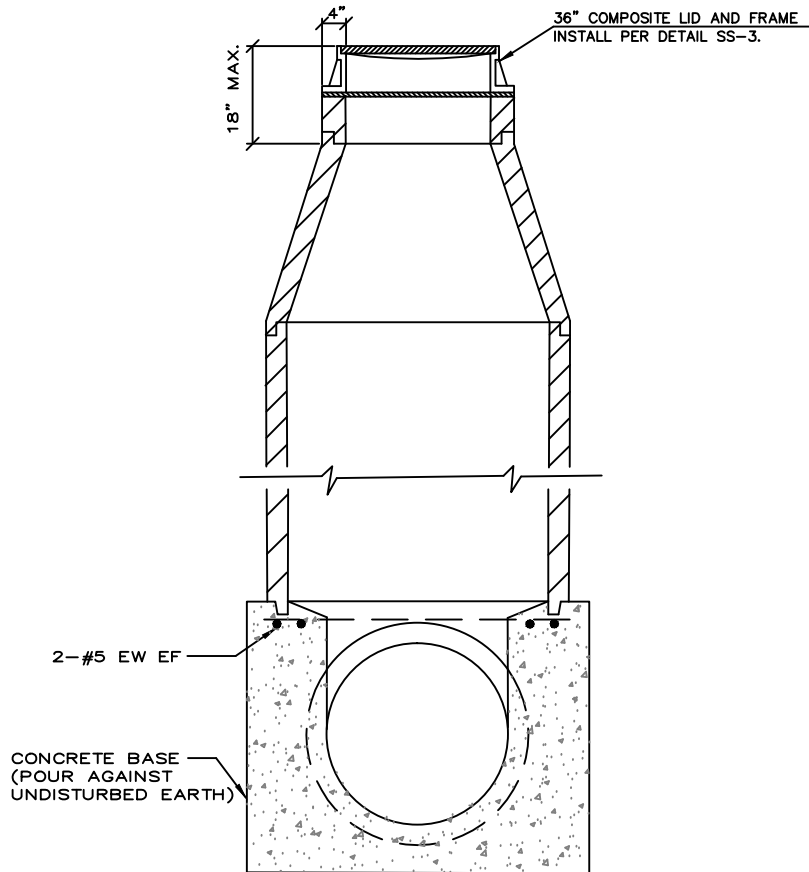
DESIGN NOTES:

1. PILES SHALL BE 10' ON CENTER BEGINNING AND ENDING AT CREEK BOTH SIDES "TOP OF BANK" AND AS NOTED ON THE PROJECT PLANS.

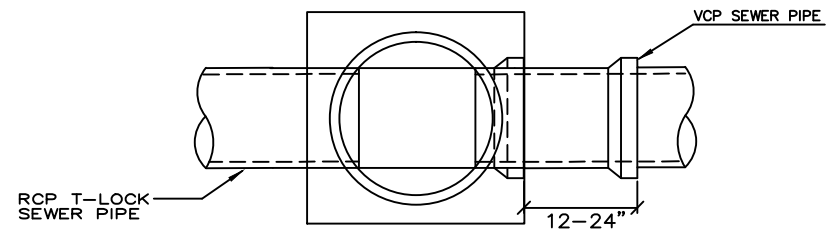
<p>CITY OF ROSEVILLE CALIFORNIA</p>	<p>ENVIRONMENTAL UTILITIES DEPARTMENT</p>
<p>CREEK CROSSING SUPPORT</p>	
<p>SCALE: NONE REVISED: JANUARY 2016 DRAWN BY: R. VAN NESS APPROVED BY: RICHARD PLECKER</p>	<p>SS-9</p>

NOTES

1. MANHOLE LID SHALL BE SEALED WITH AN APPROVED RUBBER GASKET.
2. JOINTS SHALL BE MORTARED INSIDE AND OUT.
3. APPLY EPOXY COATING TO INTERIOR SURFACES OF MANHOLE IN ACCORDANCE WITH CITY STANDARDS 91-10 K.
4. PROVIDE SPARK TEST OVER ENTIRE PROTECTIVE COATINGS AFTER INSTALLATION.
5. SEE STANDARD DETAIL SS-2 FOR ADDITIONAL REQUIREMENTS.



PROFILE



PLAN

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ENVIRONMENTAL UTILITIES DIRECTOR

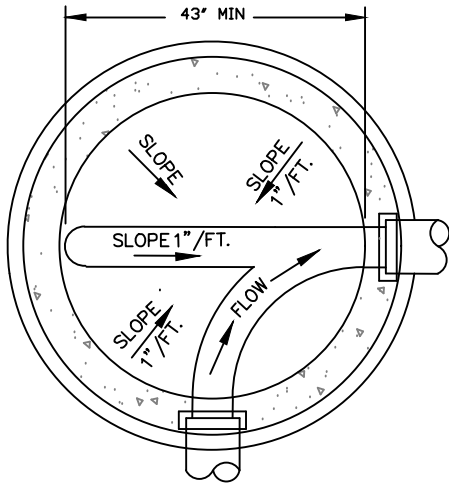
CITY OF
ROSEVILLE
CALIFORNIA

ENVIRONMENTAL UTILITIES
DEPARTMENT

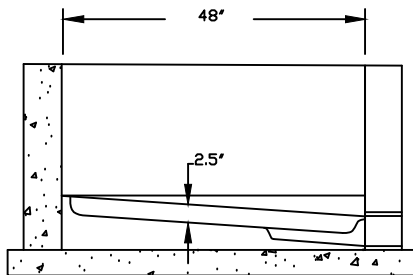
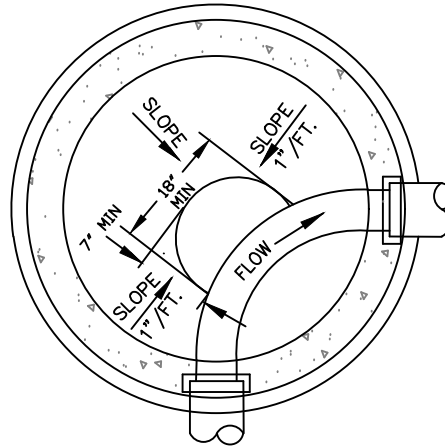
**60"+ SEWER TRUNK MAIN
MANHOLE**

SCALE: NONE
REVISED: JANUARY 2016
DRAWN BY: R. VAN NESS
APPROVED BY: RICHARD PLECKER

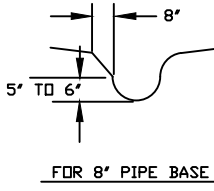
SS-10



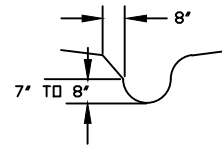
PLAN



ELEVATION

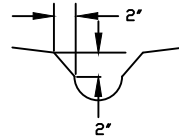
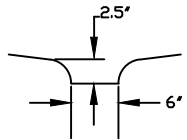


FOR 8" PIPE BASE



FOR 10" PIPE BASE

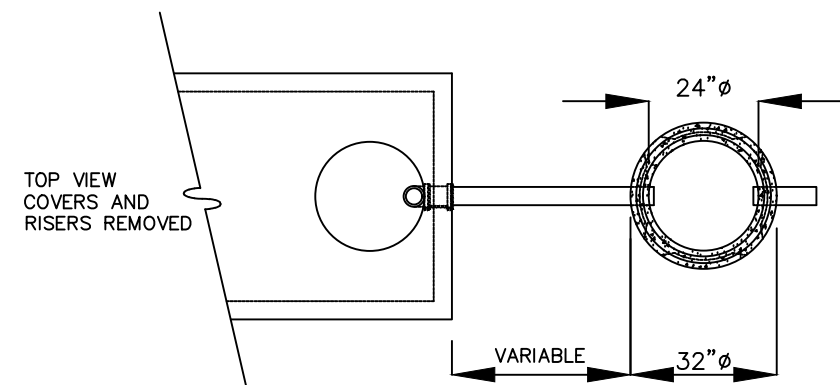
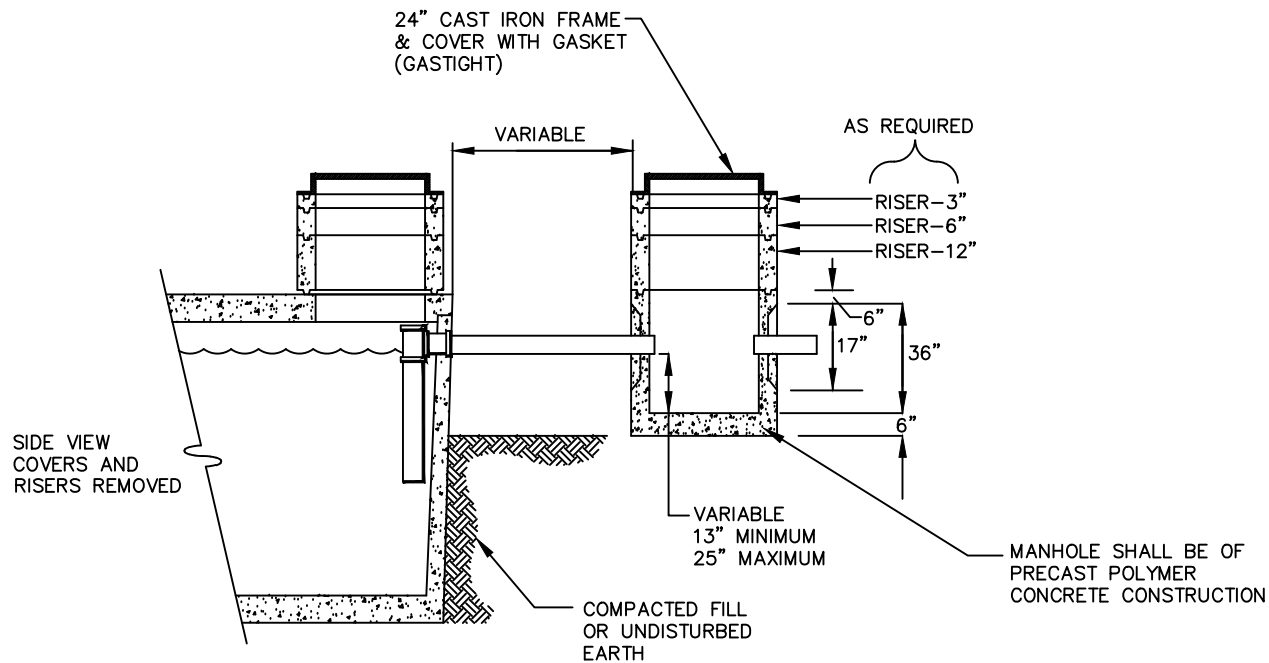
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CAMERA CHANNEL
 MANHOLE

SCALE: NONE
 REVISED: JANUARY 2018
 DRAWN BY: R. VAN NESS
 APPROVED BY: RICHARD PLECKER



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CITY OF **ROSEVILLE** ENVIRONMENTAL UTILITIES DEPARTMENT
CALIFORNIA

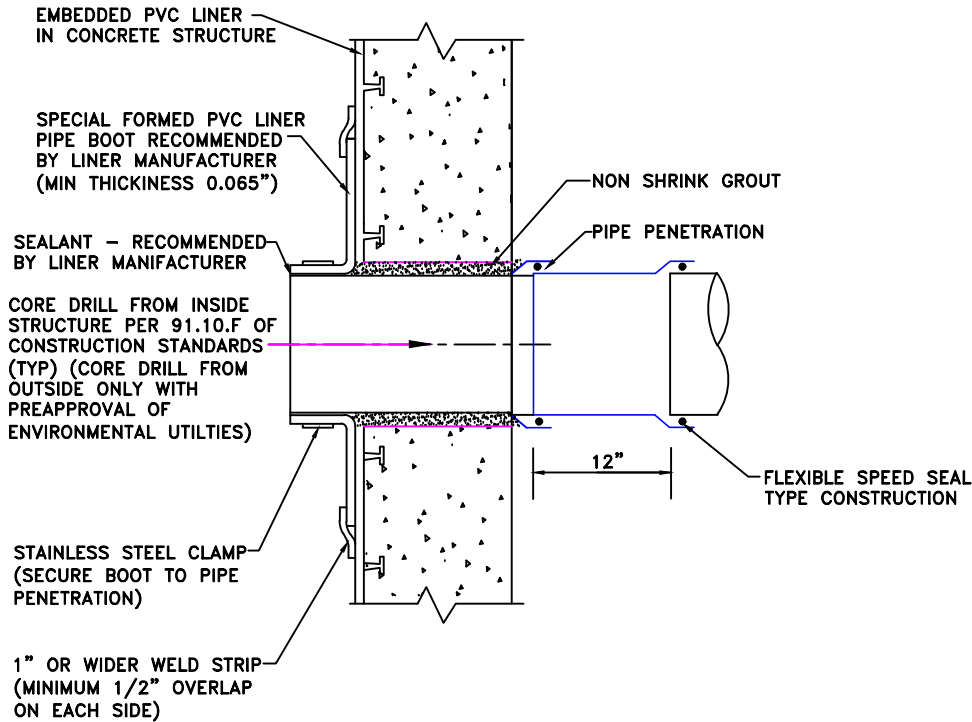
**DOWNSTREAM SAMPLING
MANHOLE FOR INTERCEPTORS**

SCALE: NONE
REVISED: JANUARY 2025
DRAWN BY: J. VAROZZA
APPROVED BY: RICHARD PLECKER

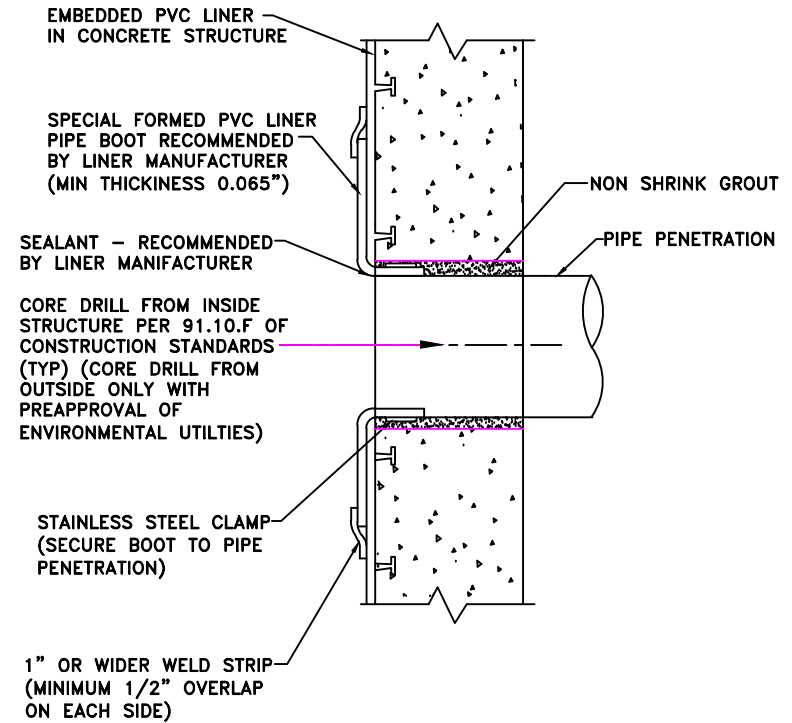
SS-13

NOTES

1. SAMPLING MANHOLE SHALL HAVE AN H-20 TRAFFIC RATING
2. THE SAMPLE MANHOLE MUST BE PLACED ON SUITBLE BASE OF COMPACTED SOIL OR UNDISTURBED EARTH IN TRAFFIC CONDITION.



REVERSE BOOT TYPE 1



BOOT TYPE 2

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ENVIRONMENTAL UTILITIES DIRECTOR

NOTES:

1. ARMORLOK PVC PROTECTIVE LININGS OR EQUIVALENT PREAPPROVED UTILITIES.
2. INSTALL PER MANUFACTURER'S INSTRUCTIONS.
3. ON BOOT TYPE 2 PENETRATIONS FOR REHABILITATIONS ON 24" AND ABOVE, A 1/8" WIDE X 1-1/2" DEEP GROOVE CAN BE SAW CUT AROUND PIPE AND A LINER SHEET CAN BE PUSHED INTO GROOVE, ONLY IF ORIGINAL LINER ANCHORAGE IS WITHIN 2" OF THE CIRCUMFERENCE OF THE PENETRATION. SMALLER PENETRATIONS MUST BE CHIPPED OUT AND CLAMP MUST BE APPLIED.



ENVIRONMENTAL UTILITIES
DEPARTMENT

**PVC LINER PENETRATION
SEALING DETAIL**

SCALE: NONE
REVISED: JANUARY 2025
DRAWN BY: JACK VAROZZA
APPROVED BY: RICHARD PLECKER

SS-14