

PROPOSED STREETS- REFER TO DETAIL TB-1
 SECTION 31 FOR BACKFILL REQUIREMENTS ABOVE
 THE PIPE ZONE.

(SEE TRENCH DETAIL)

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

A.B.

BACKFILL
TAPE (12" DETECTABLE)
LOCATED 12"-24"
BELOV FINISH GRADE

SUBGRADE

ADDITIONAL 12' WIDE TAPE SHALL BE ADDED FOR EVERY 12' INCREASE IN PIPE DIA

> GEOTEXTILE FILTER FABRIC (OVERLAP TOP HALF OF PIPE) CRUSHED ROCK TO 1/2 PIPE DIAMETER

SATURATED PIPE TRENCH

IMPORTED MATERIAL 100% PASSING 3/4° SIEVE MIN. SAND EQUIVALENT OF 50

ALTERNATE BACKFILL ABOVE SPRING-LINE ONLY: NATIVE MATERIAL 90% RELATIVE COMPACTION

IMPORTED MATERIAL, LESS THAN 10% PASSING No.8 SIEVE: LESS THAN 50% PASSING 3/8" SIEVE, 100% PASSING 1/2" SIEVE FOR PIPE 12" OR SMALLER, 100% PASSING 3/4" SIEVE FOR PIPE OVER 12"

3' FOR UNDER 12' PIPE
4' FOR 12' OR LARGER PIPE
(ADD 4' TO THE EXCAVATION IN
ROCKY OR UNYIELDING SOIL)



DERRICK WHITEHEAD ENVIRONMENTAL UTILITIES DIRECTOR

ROSEVILLE

ENVIRONMENTAL UTILITIES DEPARTMENT

SEWER MAIN TRENCH AND BACKFILL

SCALE: NONE
REVISED: JANUARY 2010
DRAWN BY: R. VAN NESS
APPROVED BY: D. WHITEHEAD

SS-1

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

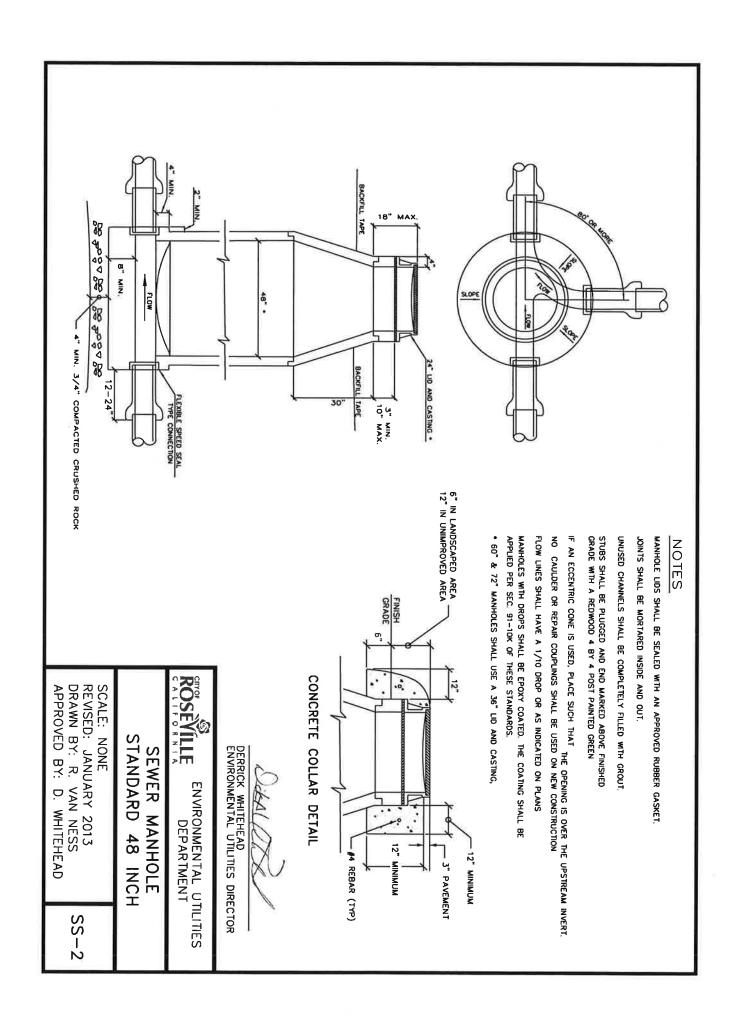
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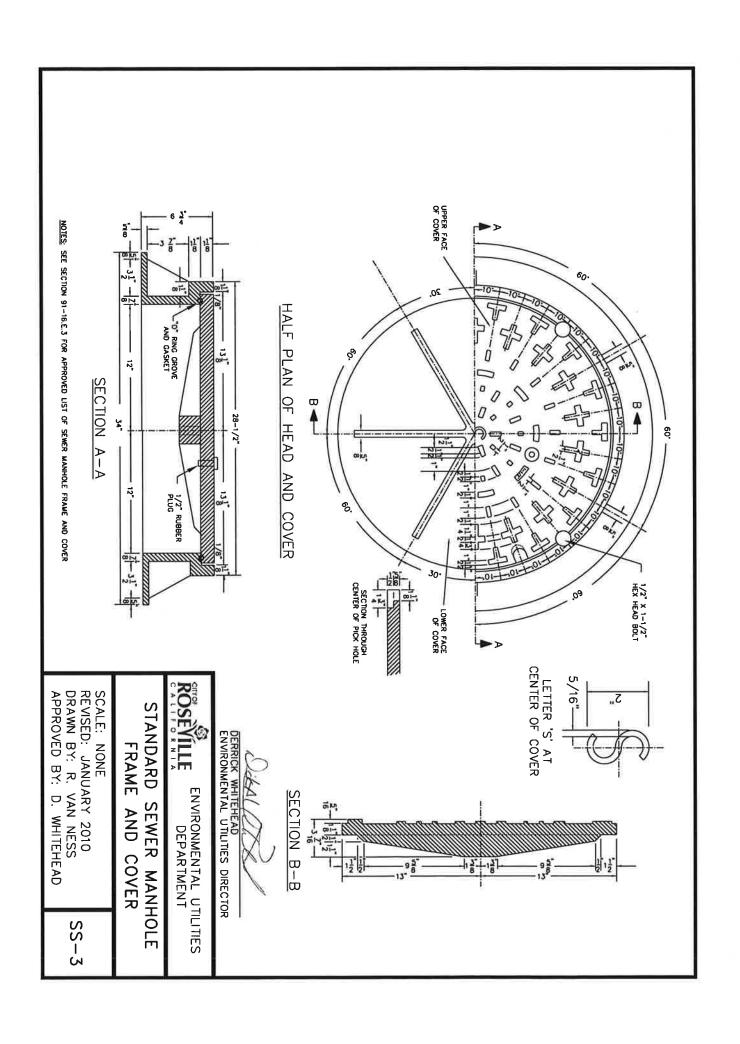
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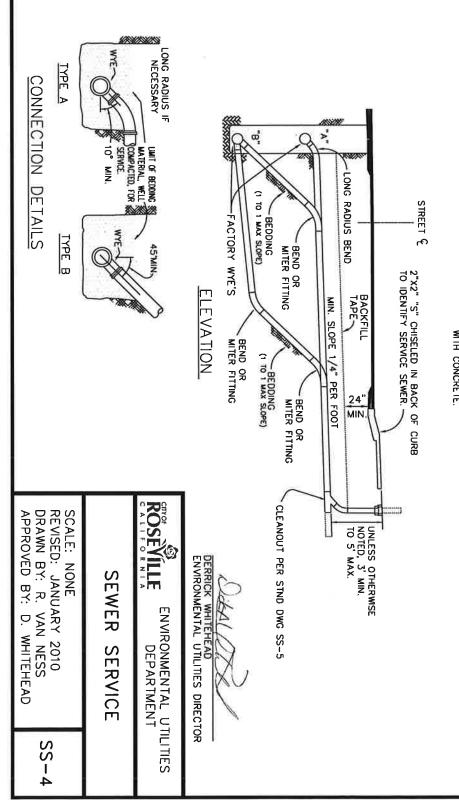
GENERAL NOTES

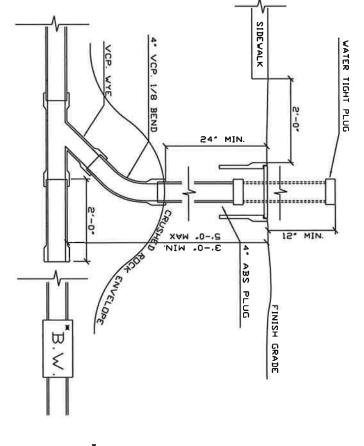
- 1. ALL SERVICE LINES SHALL BE 4" FOR RESIDENTIAL AND 6" FOR COMMERCIAL UNLESS OTHERWISE NOTED.
- SERVICES SHALL HAVE SAME BEDDING AND BACKFILL AS LATERAL SEWER.
- 3. CONTRACTOR SHALL USE THE MOST APPROPRIATE TYPE CONNECTION (A OR B) FOR THE PARTICULAR SITUATION ENCOUNTERED.
- 4. SERVICE SEWER SHALL HAVE MINIMUM 3'-0" COVER
 AT PROPERTY LINE WHENEVER LATERAL DEPTH AND SERVICE
 SEWER SLOPE OF 1/4" PER FOOT (MINIMUM) PERMIT. SEE NOTE 10.
- 5. WHEN THE LATERAL SEWER DEPTH IS SUCH THAT MINIMUM COVER AT PROPERTY LINE CANNOT BE MET, THE MINIMUM SLOPE OF 1/4" PER FOOT SHALL GOVERN THE COVER.
- 6. MIN. SPECIFIED COVER AT THE PROPERTY LINE SHALL BE MEASURED FROM EXISTING GROUND SURFACE OR EDGE OF ADJACENT ROADWAY, WHICHEVER IS LOWER.
- A SPECIFIC ELEVATION AT THE PROPERTY LINE, WHEN SHOWN ON THE PLANS OR DESIGNATED BY THE ENGINEER, SHALL GOVERN.
- MITER FITTING SHALL BE MAX. 45".

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- MINIMUM DEPTH OF COVER SHALL BE INCREASED TO 4"-6" WHERE A WATER MAIN IS TO BE INSTALLED AT BACK OF SIDEWALK AS PART OF THE SUBDIVISION IMPROVEMENTS. IN SUCH CASES, THE SERVICE SHALL BE EXTENDED TO A MINIMUM OF 7' BACK OF SIDEWALK; CLEANOUT TO GRADE SHALL REMAIN WITHIN 3' OF BACK OF SIDEWALK.
- SEWER SERVICES ORIGINATING FROM SEWER MAINS 14 FT AND GREATER IN DEPTH SHALL HAVE THE CROTCH OF THE VCP "WYE" FITTING FILLED WITH CONCRETE.

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NOTES

- 1) INSTALL ROUND NON-TRAFFIC TYPE CONCRETE
 VALVE BOX & COVER MARKED 'SEVER' IN A NON TRAFFIC AREA . INSTALL METAL LID MARKED
 'SEVER' IN AREAS WITH POTENTIAL TRAFFIC AREAS.
 A G5 BOX SHALL BE INSTALLED IN TRAFFIC AREAS.
- THREE FOOT VCP STUB SHALL BE INSTALLED UPSTREAM OF CLEANDUT.
- CLEANDUT BOX TO BE FREE OF ALL DIRT AND READY AT TIME OF PRE-FINAL INSPECTION.
- SERVICES OVER 100' LONG AND COMMERCIAL SERVICES REQUIRE A MIN. 6' CLEANOUT WITH 6' FITTINGS: THE CLEANOUT BOX SHALL BE CONSTRUCTED PER V-16.

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- S> CONNECTION TO MAIN SHALL BE WITH A FACTORY WYE OR AT A MANHOLE.
- 6) THE CLEANDUT 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:
- BY THE BUILDING CONTRACTOR

 BY THE BUILDING CONTRACTOR

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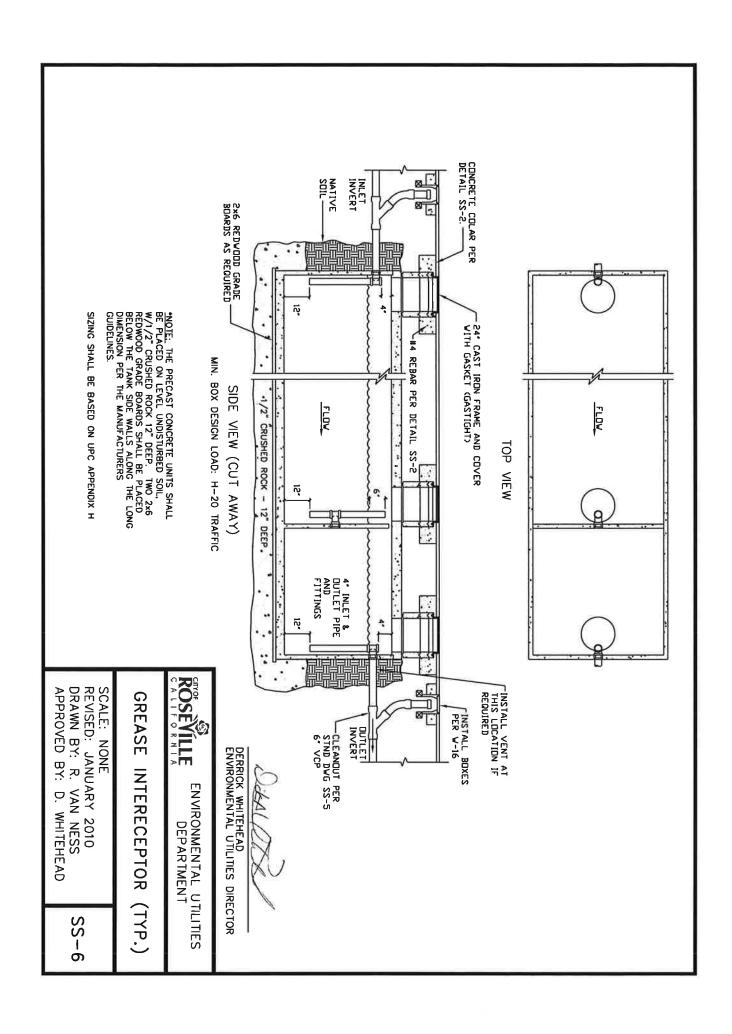
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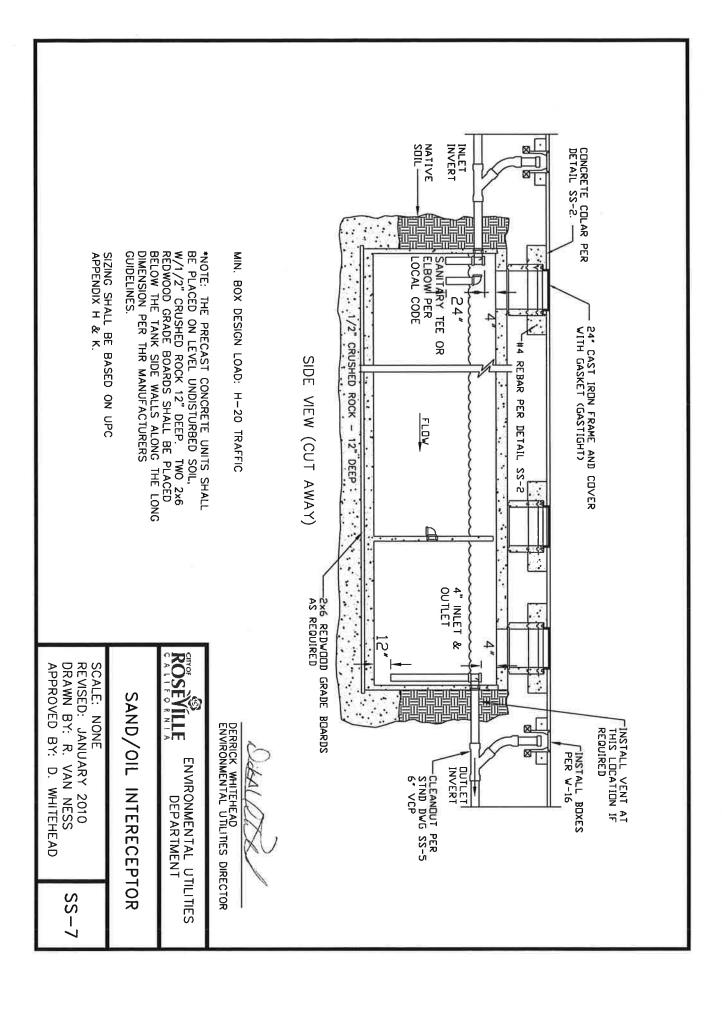
SEWER SERVICE CLEANOUT

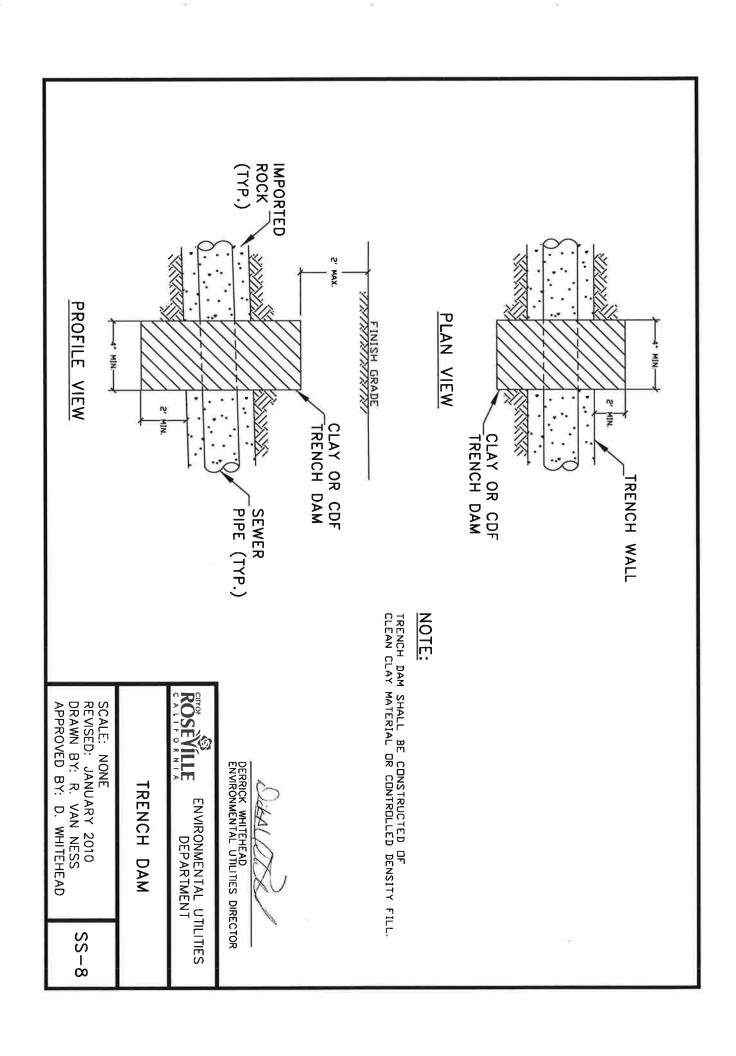
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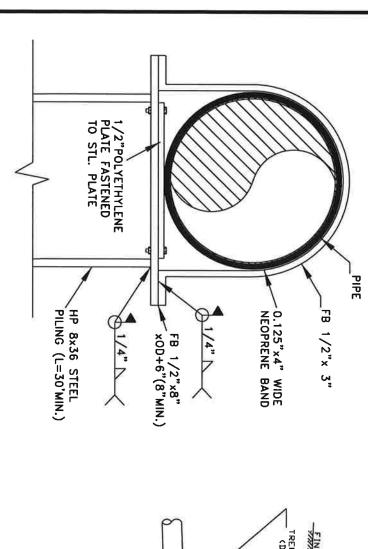
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REVISED: JANUARY 2010 DRAWN BY: R. VAN NESS APPROVED BY: D. WHITEHEAD









MTRL. NOTES:

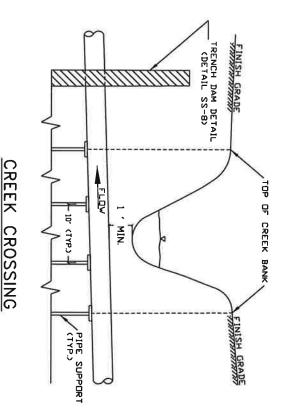
PIPE

SUPPORT DETAIL

- 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 AS NOTED ON THE PROJECT PLANS.



DERRICK WHITEHEAD ENVIRONMENTAL UTILITIES DIRECTOR



ENVIRONMENTAL UTILITIES DEPARTMENT

CREEK CROSSING SUPPORT

SCALE: NONE
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