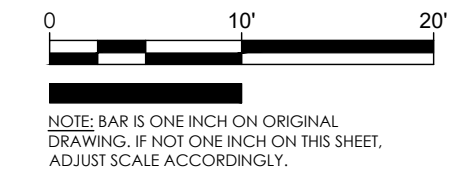
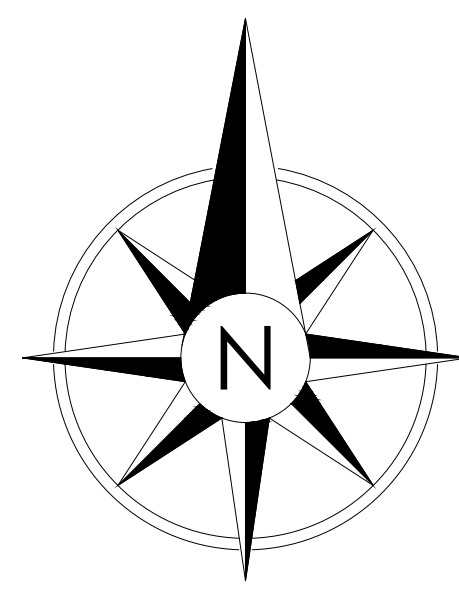




Jolma Design, LLC  
 10 South Parkway Ave.  
 Ste. 201  
 Battle Ground, WA 98604  
 (360) 723-0392  
 www.jolmadesign.com



9/27/2021



NOTE: BAR IS ONE INCH ON ORIGINAL DRAWING, IF NOT ONE INCH ON THIS SHEET, ADJUST SCALE ACCORDINGLY.

PROJECT NAME:  
**HALL FOURPLEX**  
 CLIENT:  
**CORY VOM BAUR**  
 PROJECT LOCATION:  
**CAMAS, WA**

MARK	DATE	DESCRIPTION
A	9/27/2021	Issued for review.

PROJECT: 20131  
 DESIGNED: BJJ  
 DRAWN: BJJ  
 CHECKED: BJJ  
 SCALE  
 SCALE AS NOTED  
 SHEET TITLE

PRELIMINARY  
 UTILITY PLAN  
 SHEET  
**C-101**

**CONDITIONAL USE PERMIT**

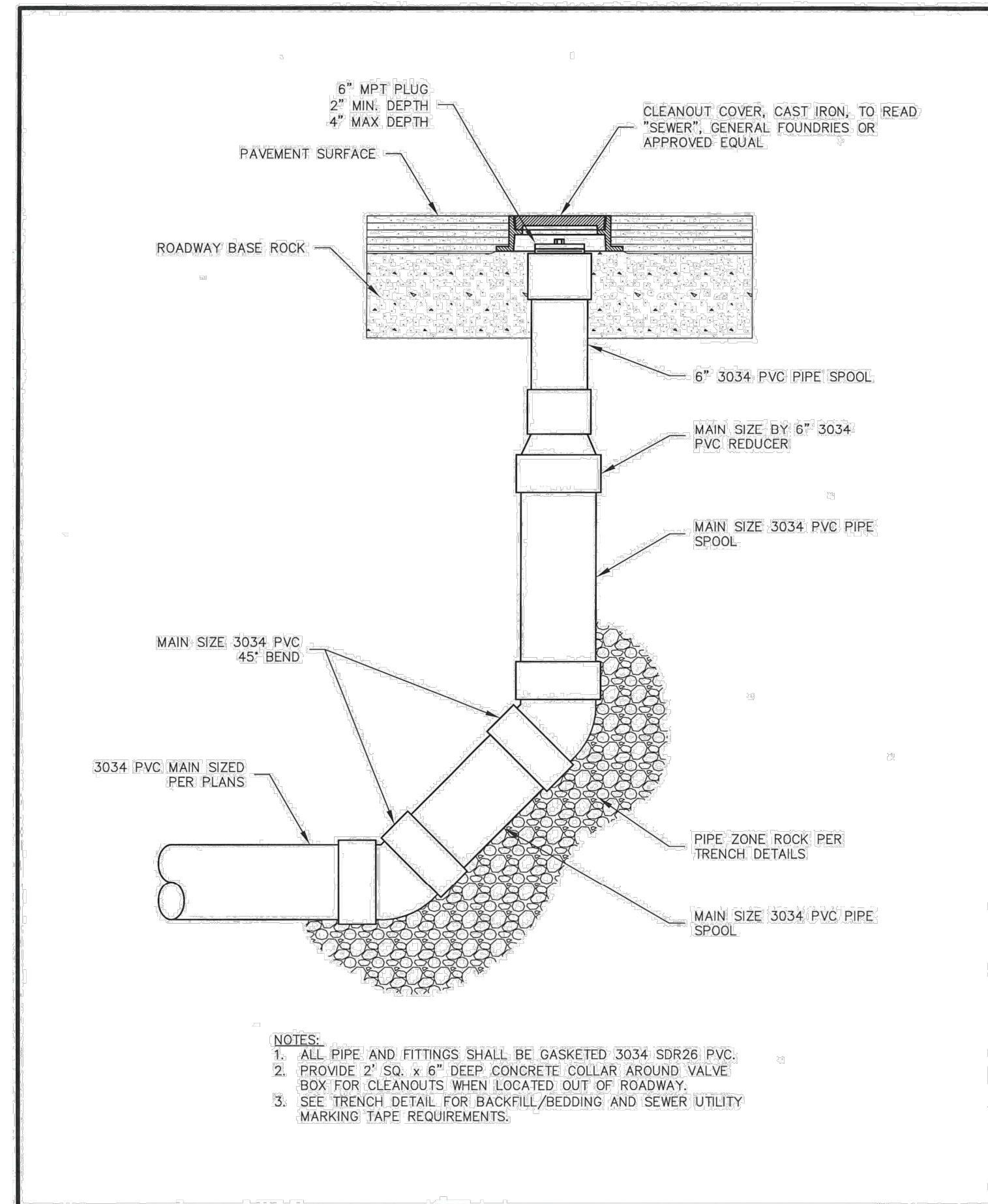


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C

B

A



**City of Camas WASHINGTON**

SANITARY SEWER DETAIL  
GRAVITY SANITARY SEWER MAIN CLEANOUT

NOT TO SCALE

DETAIL NO. SG5

DATE APPROVED BY: *[Signature]* DATE: 7-23-18

REVISION: 3 DATE: 7/17/2018

GRAPHIC: SERV 2018.DWG

- CONVENTIONAL GRAVITY SEWER CONSTRUCTION NOTES:**
1. ALL TRENCH EXCAVATION AND PIPE INSTALLATION SHALL CONFORM TO THE MOST RECENTLY ADOPTED VERSION OF W.S.D.O.T. STANDARD SPECIFICATIONS SECTION 7-08.3(1) AND SECTION 7-08.3(2). ALL EXCESS MATERIAL FROM THE TRENCH EXCAVATION SHALL BE DISPOSED OF ON AN APPROVED SITE.
  2. PIPE BEDDING & PRE-COVER (PIPE ZONE) MATERIAL SHALL BE 5/8 INCH MINUS CRUSHED ROCK.
  3. TRENCH BACKFILL MATERIAL SHALL BE 1-1/4 INCH MINUS CRUSHED ROCK.
  4. TRENCH COMPACTION SHALL BE PER CITY OF CAMAS STANDARD TEST REQUIREMENTS DETAIL G4. CONTRACTOR TO DETERMINE THE TYPE OF EQUIPMENT AND METHOD TO USE TO ACHIEVE THE REQUIRED COMPACTION. EACH LIFT SHALL BE COMPACTED TO A MINIMUM OF 95 PERCENT OF THE MAXIMUM DENSITY AS DETERMINED BY THE A.A.S.H.T.O. T-180 TEST METHOD.
  5. SETTLEMENT OF THE FINISHED SURFACE WITHIN THE WARRANTY PERIOD SHALL BE CONSIDERED TO BE A RESULT OF IMPROPER COMPACTION AND SHALL BE PROMPTLY REPAIRED BY THE CONTRACTOR AT NO EXPENSE TO THE CITY.
  6. ALL PIPE AND FITTINGS SHALL CONFORM TO THE MOST RECENTLY ADOPTED VERSION OF W.S.D.O.T. STANDARD SPECIFICATIONS SECTION 7-17.2. PIPE SIZES UP TO 15 INCHES SHALL CONFORM TO ASTM D3034 SDR26. PIPE SIZES FROM 18 TO 48 INCHES SHALL CONFORM TO ASTM F679 PS115.
  7. ALL PIPE CONNECTIONS AT MANHOLES SHALL BE CORED AND RUBBER BOOTED.
  8. VACUUM TESTING OF MANHOLES IS REQUIRED PRIOR TO APPLICATION OF AN APPROVED HYDROGEN SULFIDE RESISTANT LINER.
  9. ALL MANHOLES SHALL BE COATED WITH A HYDROGEN SULFIDE RESISTANT LINING, MATERIAL SUBMITTAL REQUIRED. LINING SHALL ALSO BE APPLIED TO EXISTING MANHOLES WHEN A NEW LINE ENTRY IS TIED-IN TO THE MANHOLE.
  10. ALL PIPE AND FITTINGS SHALL BE AIR TESTED AT FOUR P.S.I. FOR ONE MINUTE PER EVERY 100 FEET OF MAINLINE.
  11. SANITARY SERVICE LATERAL SHALL BE 6 INCHES IN DIAMETER AND THE ENDS SHALL EXTEND 8 FEET PAST THE STREET RIGHT-OF-WAY LINE OR AS SHOWN ON THE PLANS AND MARKED WITH A 10 FOOT LONG 2" X 4".
  12. ALL SANITARY LINES SHALL BE INSTALLED WITH A MINIMUM COVER OF 6 FEET AND A MINIMUM GRADE OF 0.4% UNLESS OTHERWISE SHOWN ON THE PLANS.

**City of Camas WASHINGTON**

SANITARY SEWER DETAIL  
GRAVITY SEWER CONSTRUCTION NOTES

NOT TO SCALE

DETAIL NO. SG1

DATE APPROVED BY: *[Signature]* DATE: 7-23-18

REVISION: 4 DATE: 7/17/2018

GRAPHIC: NOTES 2018.DWG

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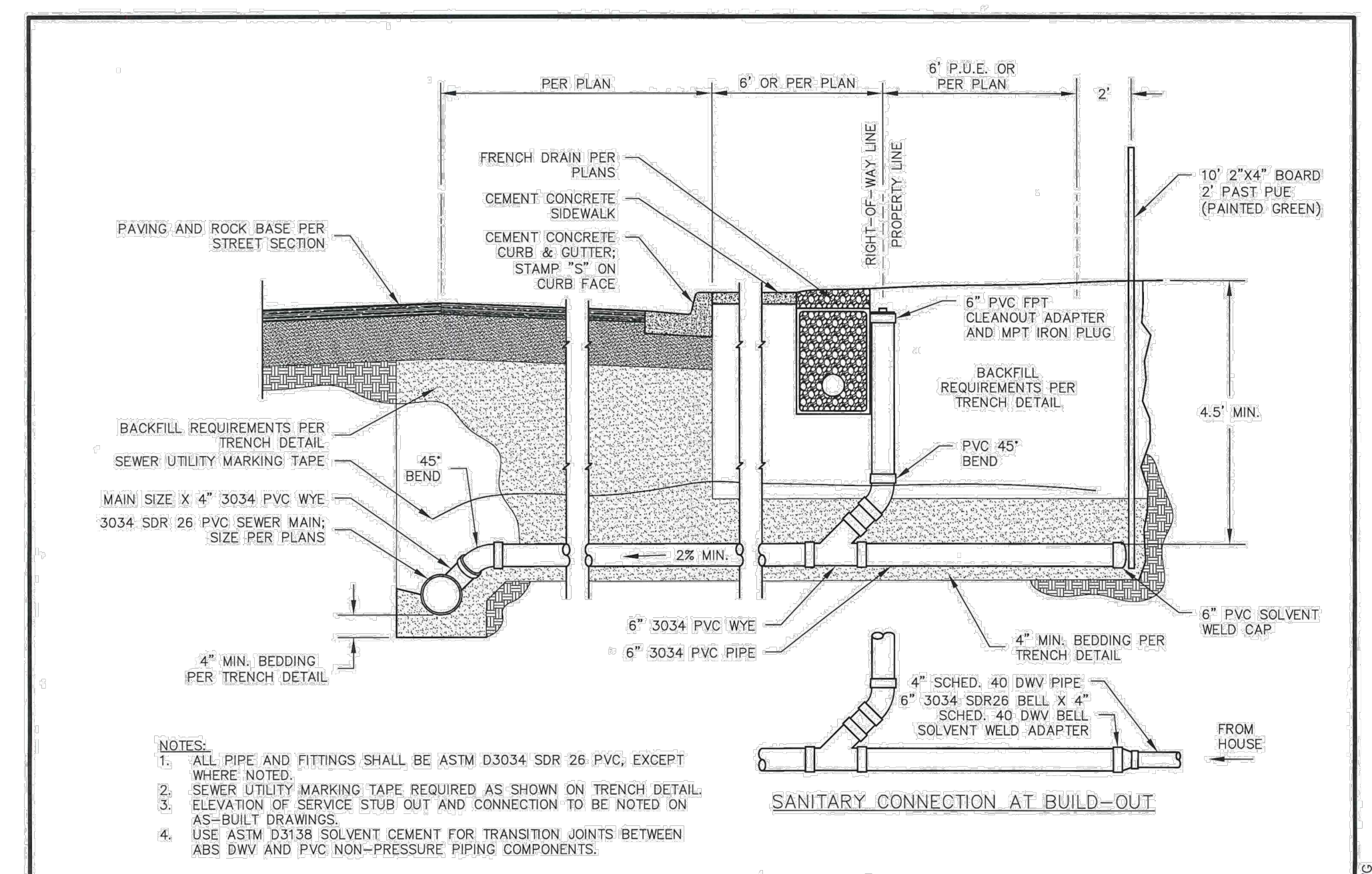
9/27/2021

PROJECT NAME:  
HALL FOURPLEX

CLIENT:  
CORY VOM BAUR

PROJECT LOCATION:  
CAMAS, WA

MARK	DATE	DESCRIPTION
A	9/27/2021	Issued for review.



**City of Camas WASHINGTON**

SANITARY SEWER DETAIL  
GRAVITY SEWER SERVICE STUB OUT

NOT TO SCALE

DETAIL NO. SG2

DATE APPROVED BY: *[Signature]* DATE: 7-23-18

REVISION: 3 DATE: 7/17/2018

GRAPHIC: SERV 2018.DWG

CONDITIONAL USE PERMIT

PROJECT: 20131

DESIGNED: BJJ

DRAWN: BJJ

CHECKED: BJJ

SCALE

SCALE AS NOTED

SHEET TITLE

SANITARY SEWER NOTES

SHEET

C-102