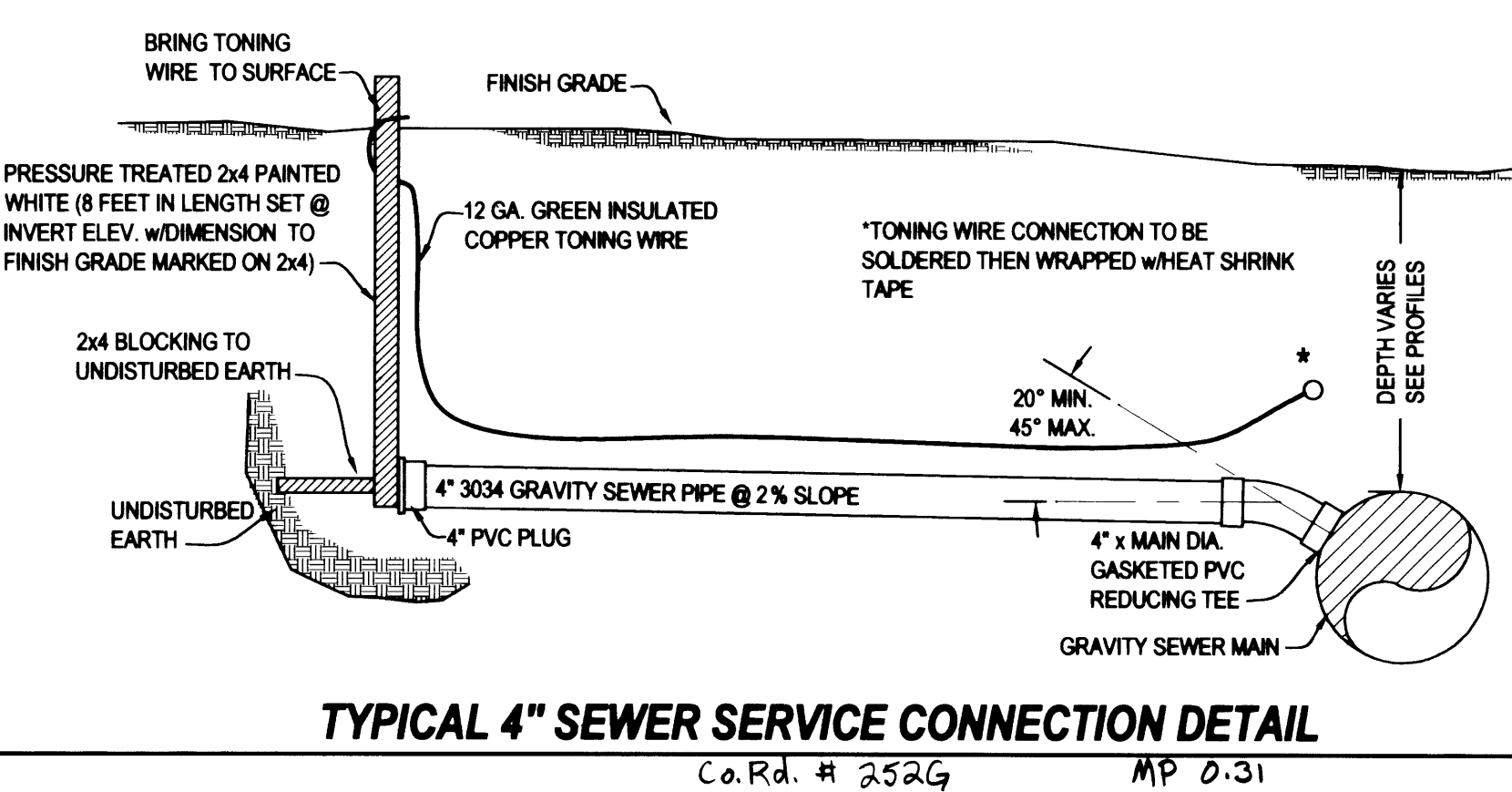
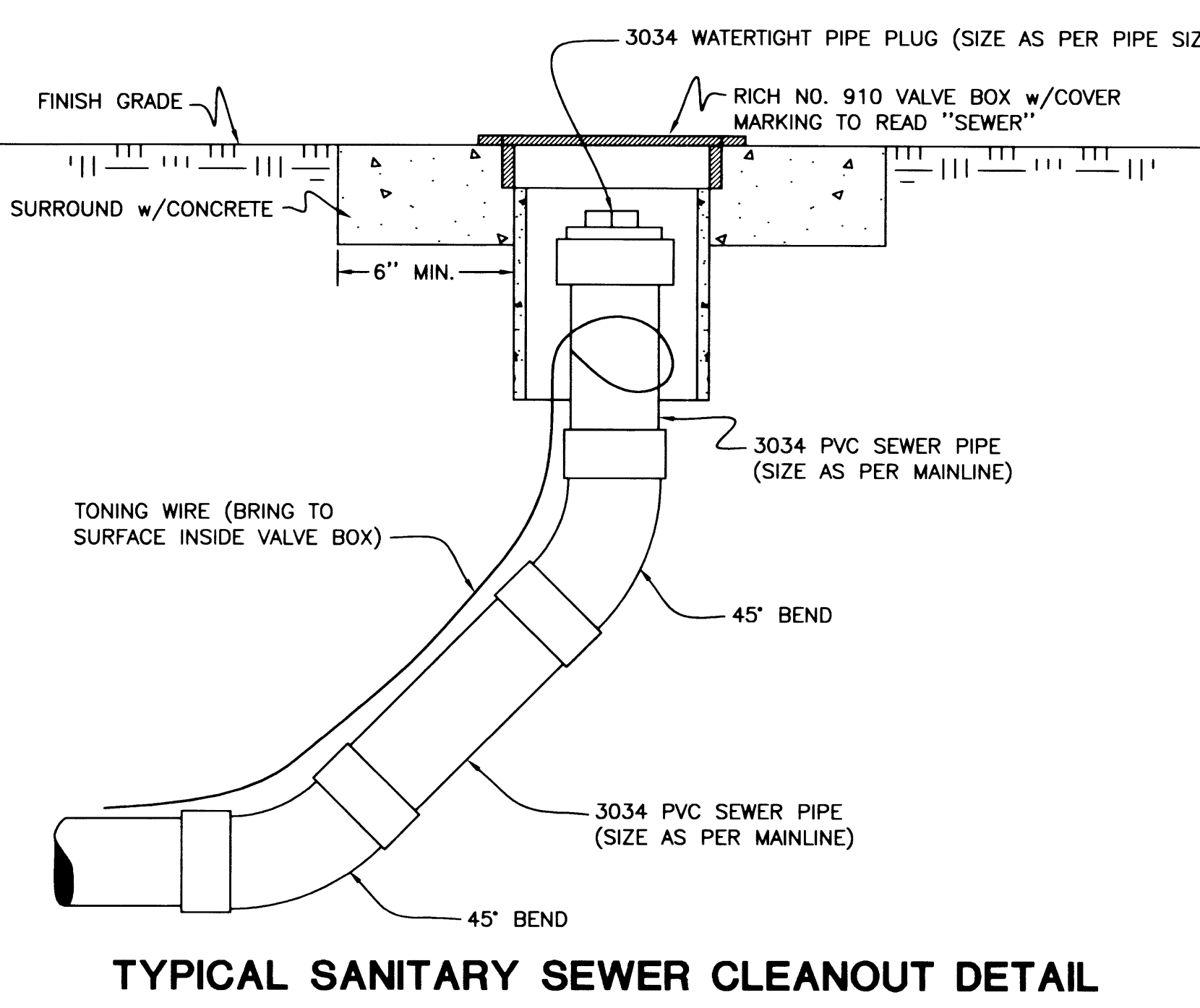


- GENERAL SANITARY SEWER NOTES**
- ALL SANITARY SEWER WORK SHALL BE IN CONFORMANCE WITH ROSEBURG URBAN SANITARY AUTHORITY SPECIFICATIONS AND ORDINANCE. IN CASES OF CONFLICT ROSEBURG URBAN SANITARY AUTHORITY SPECIFICATIONS SHALL TAKE PRECEDENCE OVER THE STANDARD SPECIFICATIONS.
  - SANITARY SEWER PIPE SHALL BE AS NOTED ON PLANS OR AS APPROVED BY ENGINEER. STANDARD GRAVITY SANITARY SEWER PIPE SHALL BE PVC PIPE CONFORMING TO ASTM D 3034 SDR 35 STANDARDS.
  - ALL GRAVITY SANITARY SEWER MAINLINES AND LATERALS SHALL BE AIR TESTED IN ACCORDANCE WITH STANDARD SPECIFICATIONS, UNIBELL B-06.85, AFTER COMPACTION OF BACKFILL.
  - SANITARY SEWER LATERALS FROM THE BUILDING TO THE SEWER MAIN SHALL BE CONSTRUCTED IN ACCORDANCE WITH OREGON STATE DEPARTMENT OF COMMERCE, BUILDING CODES DIVISION, 1994 UNIFORM PLUMBING CODE AND ITS AMENDMENTS, EXCEPT FOR 8" AND LARGER PUBLIC SEWERS WHICH SHALL BE CONSTRUCTED IN ACCORDANCE WITH DEQ STANDARDS FOR PUBLIC SEWERS AND TO THE LINES, GRADES AND DETAILS SHOWN ON THE PLANS. 4" AND 6" LATERALS SHALL BE PVC ASTM 3034. ALL LINES SHALL HAVE TONING WIRE INSTALLED IN THE TRENCH FOR FUTURE LOCATING.
  - ALL MANHOLE CONNECTIONS TO BE FACTORY CONNECTORS WITH NON-SHRINK GROUT OR A CORED HOLE WITH FLEXIBLE BOOT. I.E.: KOR-N-SEAL.
  - CONTRACTOR TO PROVIDE PRE FORMED PLASTIC GASKETS IN ALL MANHOLE JOINTS.
  - GROUT FOR TOP OF MANHOLE FRAMES AND BASES SHALL BE NON-SHRINK GROUT.
  - A COMMERCIAL CONCRETE BONDING AGENT SHALL BE USED ON ALL CONCRETE TO BE GROUTED.
  - CONCRETE SHALL BE CLASS 5 (1-1/2" MAX. AGGREGATE SIZE) WITH 6 SACKS OF CEMENT PER CUBIC YARD OF CONCRETE, WITH A MINIMUM COMPRESSIVE STRENGTH OF NOT LESS THAN 3,000 PSI AT 28 DAYS WHEN TESTED IN ACCORDANCE WITH ASTM C-39.86.
  - WHEREVER SEWER MAINS CROSS WATER LINES WITH LESS THAN 18" VERTICAL CLEARANCE, THE SEWER MAIN SHALL BE C900 PVC OR DUCTILE IRON PIPE FOR THE ENTIRE DISTANCE BETWEEN MANHOLES. WHEREVER SEWER LATERALS CROSS WATER LINES WITH LESS THAN 18" VERTICAL CLEARANCE, THE SEWER LATERAL SHALL BE C900 PVC OR DUCTILE IRON PIPE FOR A MINIMUM DISTANCE OF 9' ON EACH SIDE OF THE WATERLINE.
  - MANHOLES WILL BE TESTED ACCORDING TO 2002 OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION 470.71(b).
  - ALL MANHOLES SHALL BE 48" DIAMETER WITH CONCENTRIC CONES.
  - NO FLAT-TOP MANHOLES TO BE USED WITHOUT ROSEBURG URBAN SANITARY AUTHORITY'S PRIOR APPROVAL.
  - 12-GAGE STRANDED COPPER TONING WIRE WITH GREEN THIN INSULATION SHALL BE PLACED IN ALL TRENCHES WHERE SEWER LINE HAS BEEN LAID. ALL TONING WIRE SHALL BE TESTED PRIOR TO ACCEPTANCE.
  - DEFLECTION TESTING SHALL BE CONDUCTED ON ALL SEWERS CONSTRUCTED OF FLEXIBLE PIPE NOT LESS THAN 30 DAYS AFTER TRENCH BACKFILL AND COMPACTION. TESTING WILL CONFORM TO APWA SECTION 303.3.10.
  - LINE AND GRADE SHALL BE MAINTAINED AS SHOWN ON THE PLANS OR AS ESTABLISHED BY THE ENGINEER. VARIATIONS OF MORE THAN 1/2 INCH FOR LINE AND 1/4 INCH FOR GRADE WILL NOT BE PERMITTED.
  - ALL MANHOLES WILL NEED A FLEXIBLE JOINT WITHIN 1.5 FT. OF MANHOLE WALL.
  - ALL TESTING SHALL BE WITNESSED BY A RUSA INSPECTOR. PRIOR NOTICE OF AT LEAST FOUR (4) HOURS SHALL BE GIVEN TO RUSA INSPECTOR PRIOR TO TESTING.



**MAP Engineering, Inc.**

740 MAIN STREET  
ROSEBURG, OREGON 97470  
PHONE: (541) 229-0365 FAX: (541) 229-0353  
EMAIL: info@mapengineeringinc.com

PROJECT NAME: KURT HAMILTON LAND PARTITION

DRAWING TITLE: SEWER MAINLINE EXTENSION AS-BUILTS

PROJECT NO.: 2025-01

DWG SCALE: 1" = 20' (HOR)

DATE: 08/05/08

DESIGNER: JCB

DRAFTER: JCB

APPROVAL: MAP

REVISION #	DATE	BY

SHEET: 1 OF: 2

R252GSWR

FILED

Date: 1-17-2007 By: JP

This survey consists of:

Map: \_\_\_\_\_

Narrative: \_\_\_\_\_

Corner Rpt: \_\_\_\_\_

DOUGLAS COUNTY SURVEYOR