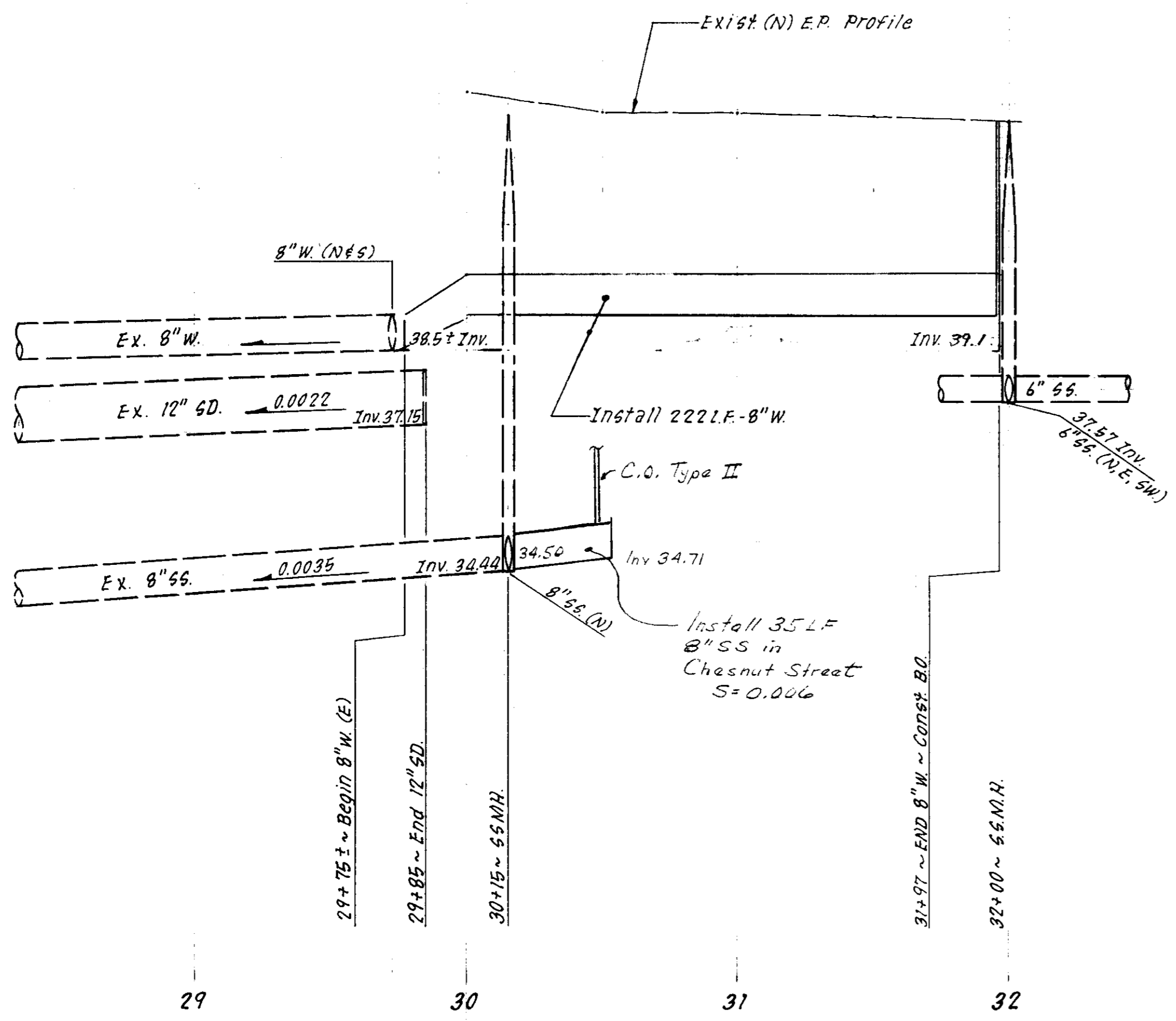
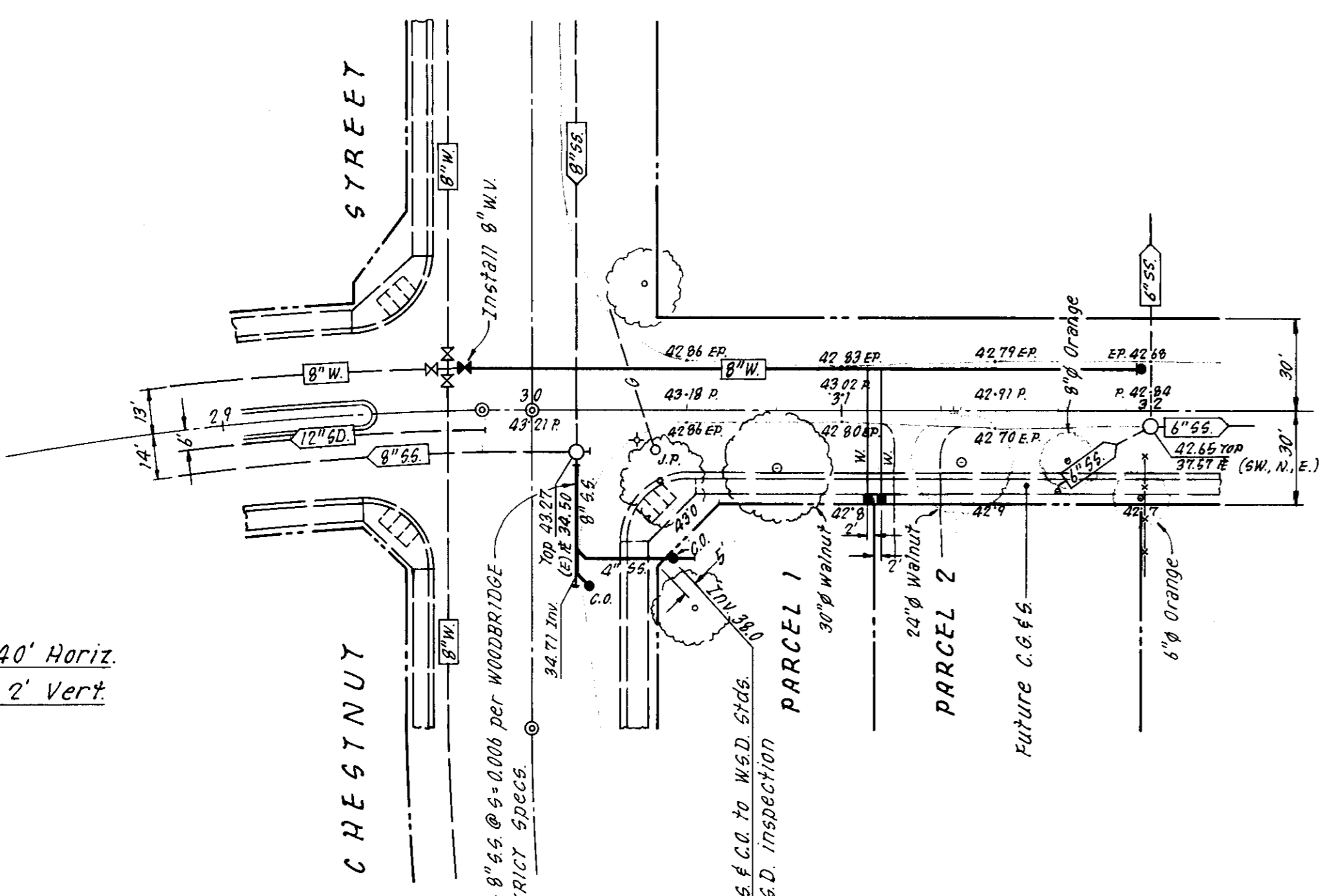


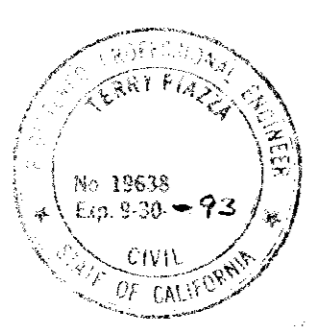
44
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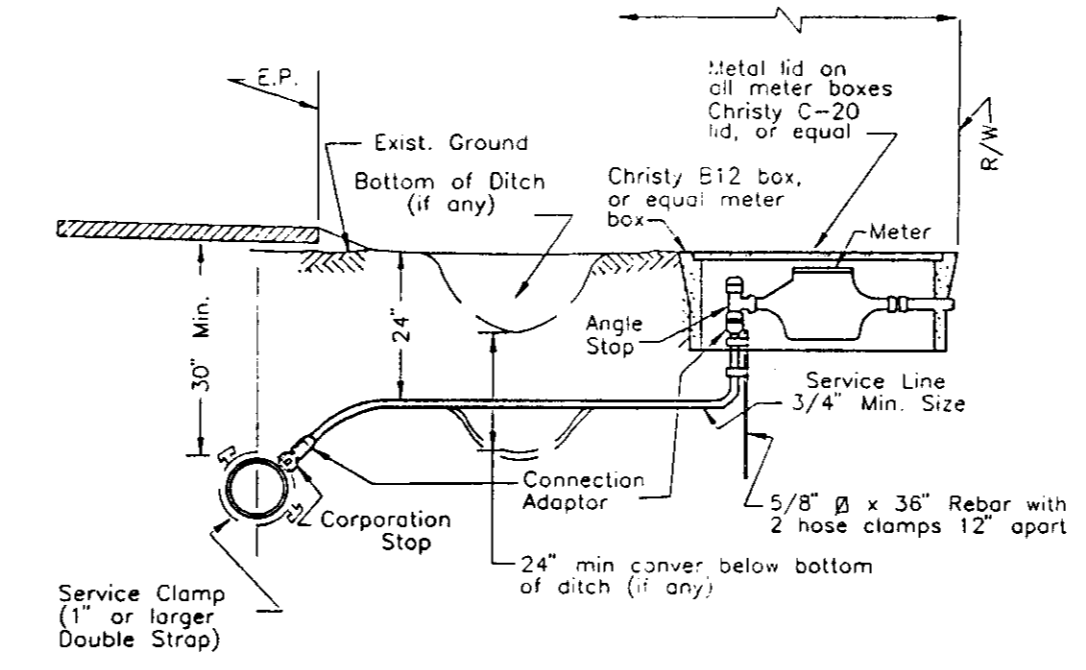
CAROLINA STREET



SCALE: 1" = 40' Horiz.
1" = 2' Vert.

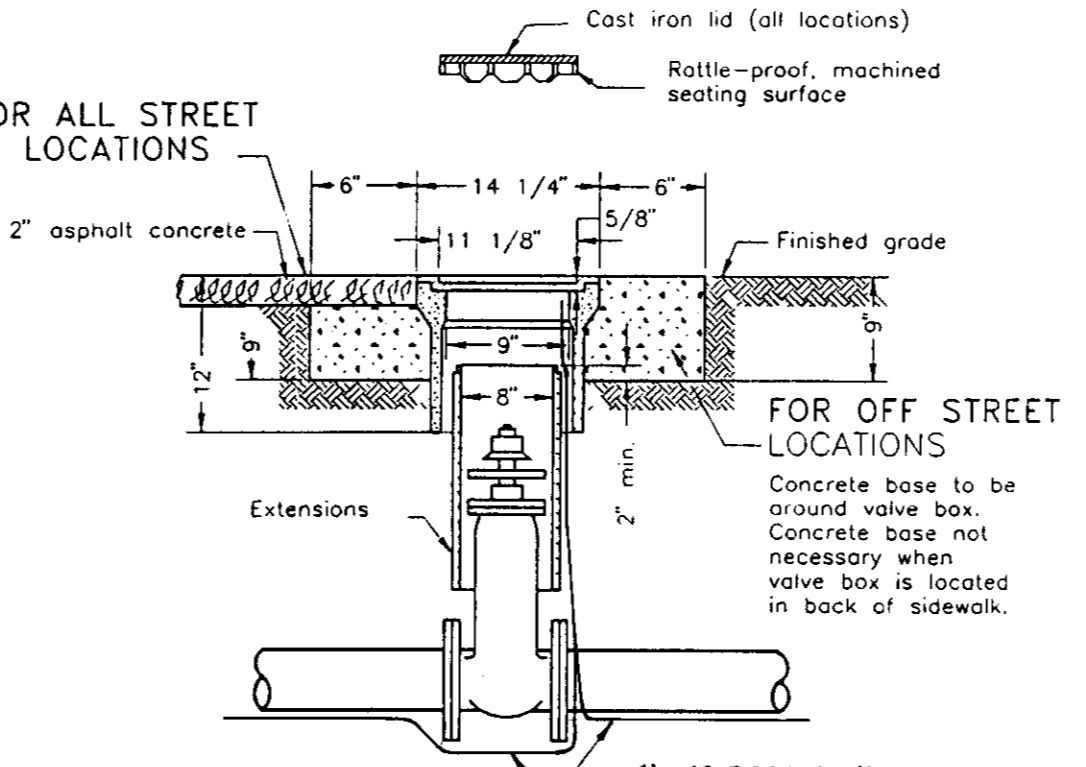


BENCH MARK: Elev. 42.36
8" spike on West side of J.P.



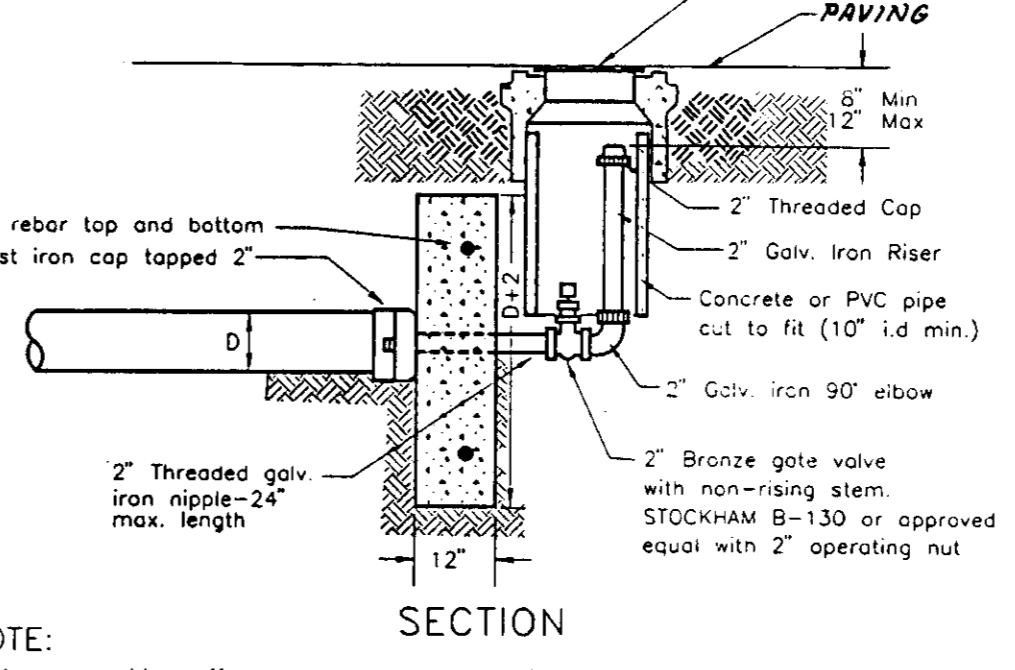
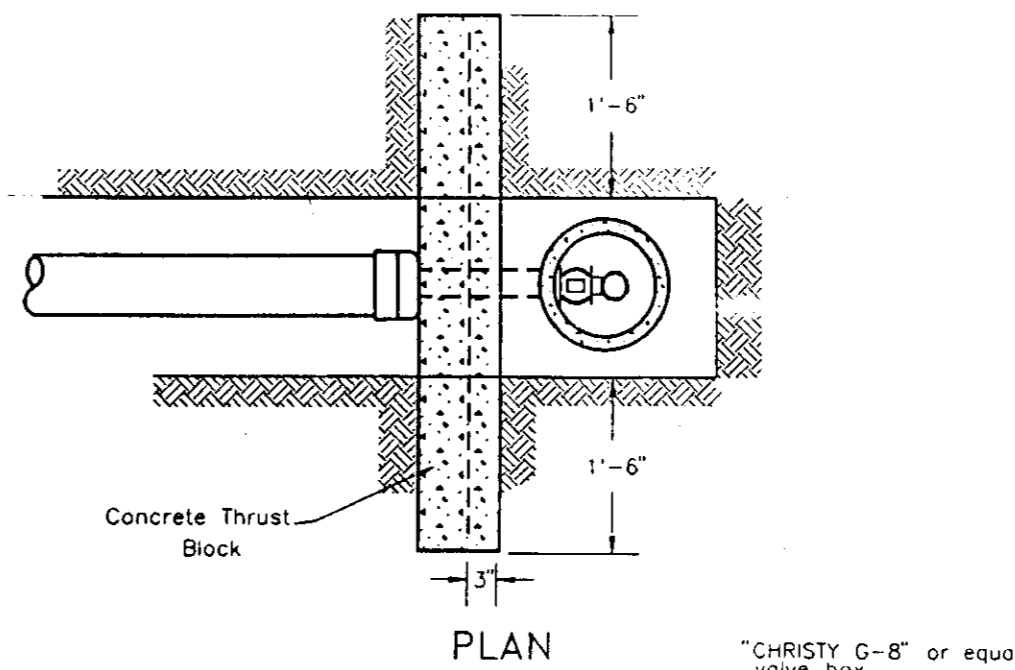
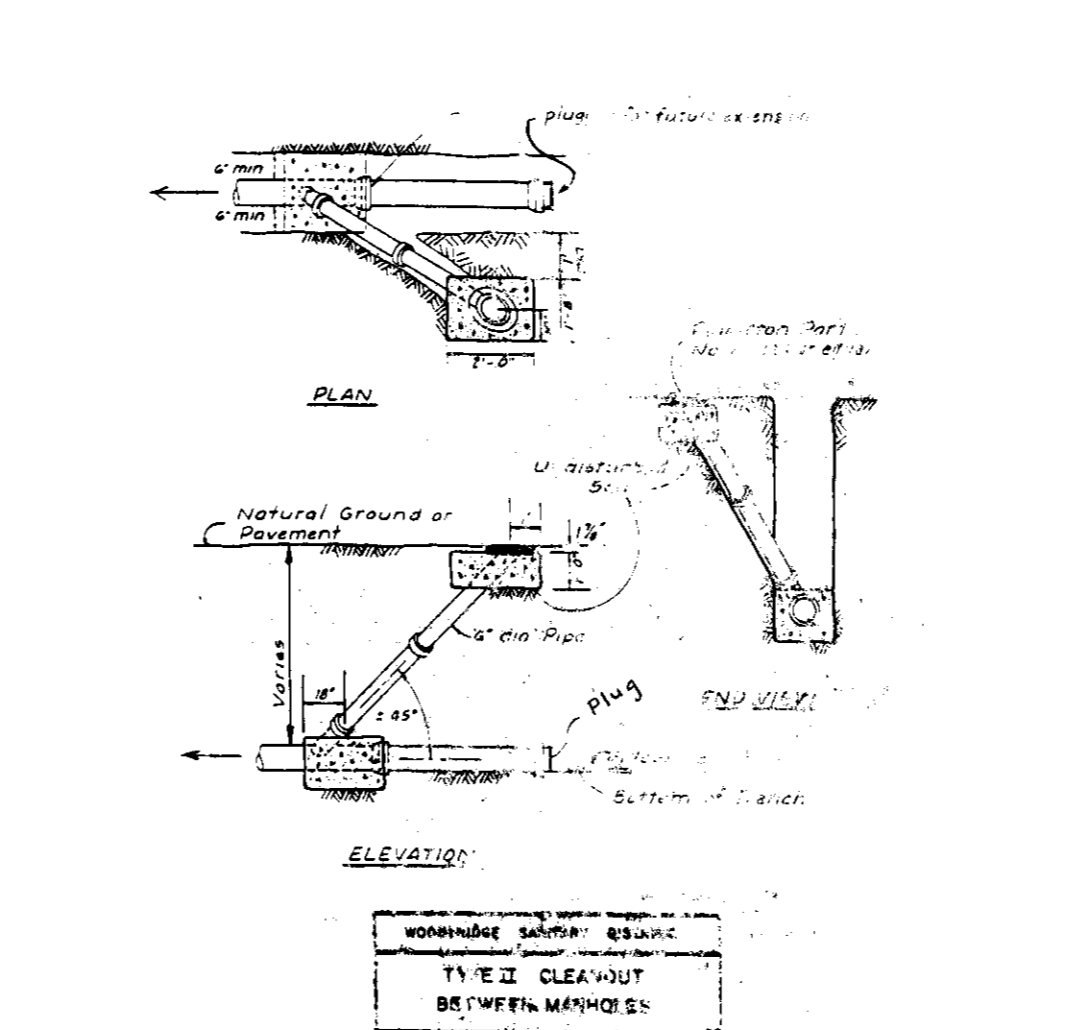
- NOTES:
- Service line material shall be type K copper, polyethylene or polybutylene plastic.
 - Plastic pipe up to 1 1/4" I.D. service shall be ultra high molecular weight (UHMW) Polyethylene as manufactured by "Driscopipe", Orangeburg, or approved equal with minimum pressure rating of 150 PSI.
 - Plastic pipe for 2" I.D. service shall be PB 2110 Polybutylene or approved equal with minimum pressure rating of 150 PSI.
 - Corporation stop shall have corporation cock threads.
 - Angle stop shall have swivel nut and lock wings.
 - Angle stop shall be vertically plumbed.
 - Size of service line shall be as required by the County.
 - Mueller Insta-lite fittings shall conform to ASTM designation D 2239.
 - Meter shall be Precision Meter Inc. model PPM 5/8"x3/4" with attachment connector spade.
 - Lockable corporation cock will precede the meter and entire setup will be in the confines of the water box.
 - NON-METALLIC SERVICES SHALL HAVE A NO. 10 GAUGE SOLID, BARE, SOFT DRAWN COPPER WIRE LAID ALONG THE SERVICE LINE, AND ACCESSIBLE IN THE METER BOX.

WATER SERVICE



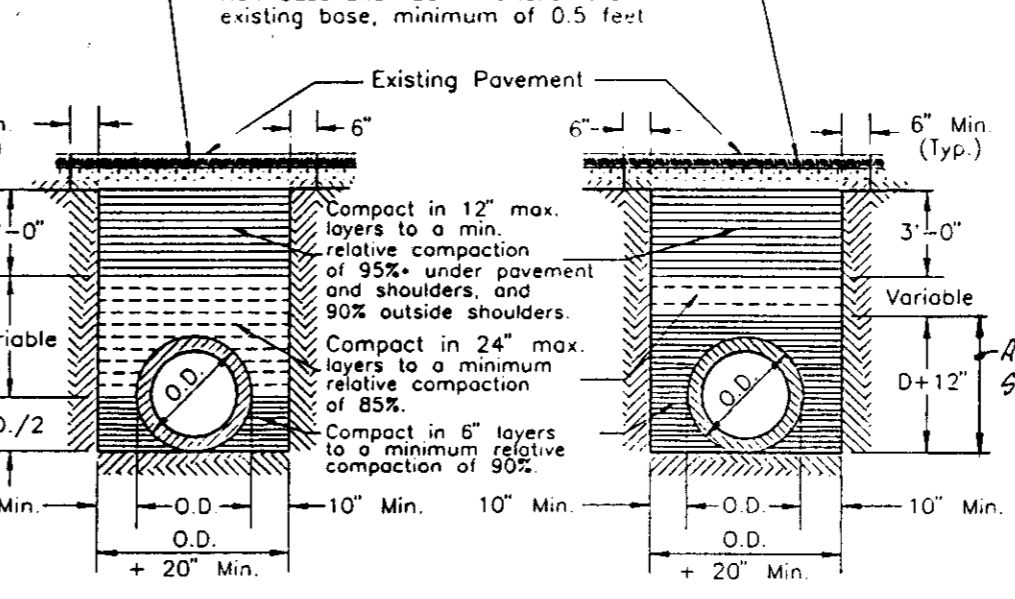
- NOTES:
- Valve box and lid shall be Christy No. C-5, Brooks No. 1 R T or 4-TI, or equal.
 - All lids and gage rings shall have machined seating surfaces.
 - Extensions shall be as manufactured for the valve box supplied or pipe of correct size can be used.

VALVE BOX



2" BLOWOFF

Backfill with materials equal to or better than the existing pavement and base in quality. New pavement shall be 1" thicker than existing pavement, minimum of 0.25 feet. New base shall be 1" thicker than existing base, minimum of 0.5 feet.



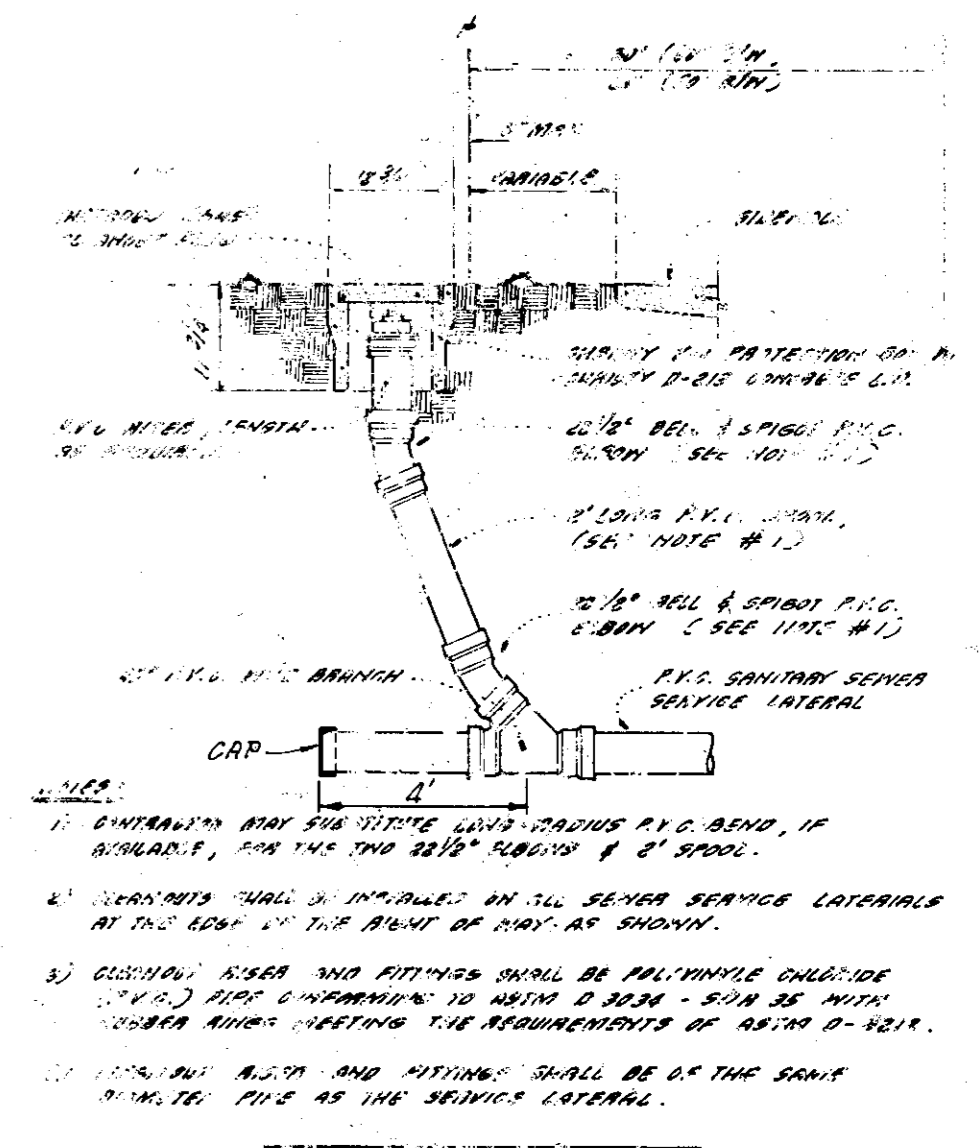
TYPICAL TRENCH BACKFILL

- NOTES:
- Relative compaction of materials shall be tested in accordance with the State of California, Dept. of Transportation Testing Manual, test method No. California 216 or 231.
 - All existing pavement shall be neatly cut to line prior to trench excavation.
 - Jetting or ponding will be permitted within the street Right of Way with a 3 year bond.
 - When shown by soil composition and compaction, ninety percent (90%) compaction may be used, when approved by the Director of Public Works.
 - Special bedding requirements may be shown on the plans or specified in special provisions.

CONSTRUCTION STAKING LIABILITY WAIVER

These improvement plans have been prepared with the intent that the firm of Baumbach & Piazza, Inc. will be performing the construction staking for the complete project. If, however, another engineering and/or surveying firm should be employed to use these plans for the purpose of construction staking, notice is hereby given that the firm of Baumbach & Piazza, Inc. will not assume any responsibility for errors or omissions, if any, which might occur and which could have been avoided, corrected or mitigated if Baumbach & Piazza, Inc. had performed the staking work.

- The Standard Plans and Specifications of the San Joaquin County Department of Public Works and Woodbridge Sanitary District are hereby incorporated into this plan.
- Contractor shall receive an approved set of plans and specifications prior to beginning construction.
- The existing underground utilities were plotted from available records. The Contractor shall be responsible for contacting all utility agencies to mark their facilities in the field before any excavation. The Contractor shall notify and coordinate all work with any agency requiring removal or relocation of their utilities. Pacific Bell, P. G. & E., Lodi Cable T. V., Woodbridge Sanitary District and Mokelumne Acres Maintenance District. U.S.A. (800) 642-2444.
- All water lines shall have a minimum cover of 30".
- Water used in any phase of construction, such as backfill compaction, dust control, testing or other work herein required, shall be included in the unit price or lump sum bid for the respective item of construction.
- Contractor agrees that he shall assume sole and complete responsibility for job site conditions during the course of construction of this project, including safety for all persons and property; that this requirement shall apply continuously and not be limited to normal working hours and that Contractor shall defend, indemnify, and hold the Owner, County and the Engineer harmless from any and all liability, real or alleged, in connection with the performance of work on this project, excepting for liability arising from the sole negligence of the Owner or the Engineer.
- Contractor shall be responsible for notifying and co-ordinate all work with any agency requiring removal or relocation of utilities, such as Pacific Bell, P. G. & E., etc.
- All off-site water lines shall be pressure tested, disinfected, flushed and tested for bacteria in conformance with the San Joaquin County Health Code Requirements prior to connecting to existing water line.
- New traffic striping and the restoration of any damaged existing painted legends or signs is the responsibility of the Contractor and shall be included in his bid price.
- No materials resulting from tapping procedures may enter District sewer.
- All work will be required to be inspected by the Department of Public Works. They shall be notified not less than 24 hours in advance of commencement of work.
- It is agreed that field conditions may require changes to these plans. It is further agreed that the Director of Public Works may require changes, alterations or additions to these plans, when the Director deems them to be necessary or desirable for the proper completion of the work, provided that such changes, alterations or additions shall not exceed 10% of the original estimate of the cost for the improvements without prior approval of the surety.
- Prior to performing any work in Carolina Street the Contractor shall obtain an Encroachment Permit from the San Joaquin County Department of Public Works.
- Contractor shall notify Mokelumne Acres Maintenance District for approval prior to connecting water line to existing water main.
- Installation of all sanitary sewer improvements shall conform to the standards of the Woodbridge Sanitary District. All such work is subject to inspection by the District Engineer. The Contractor shall notify District Engineer 48 hours prior to the commencement of any work on the sanitary system. Ph. 209-946-0268
- Pipe type and strengths allowed for underground utilities, unless otherwise specified on plans, are as follows: Storm Drain (SD) - RCP or ACP, C1. III; Sanitary Sewer (SS) - PVC, per ASTM D3034, SDR35; Water (W) - PVC, C1. 150 or greater per AWWA Std. C-900 or ACP, C1. 150 or greater per ASTM C296, Type II.
- 1" Water Services may be laid in one trench, 2' wide, centered on property line.
- OWNER SHALL REIMBURSE CONTRACTOR FOR ANY SANITARY DISTRICT INSPECTION FEES OR ENCROACHMENT PERMIT FEES.



SERVICE LATERAL CLEANOUT (PVC PIPE)

APPROVED BY:
DATE: 9.4.91
Ken Kjellden
KEN KJELDSEN, ENGINEER
WOODBRIDGE SANITARY DISTRICT

SU 2598

NO.	DATE	REVISIONS	BY	DESIGN <i>J.P.</i>	DRAWN BY <i>R.L.S.</i>	APPROVED BY: HENRY M. HIRATA R.C.E. NO. 21258 September 6, 1991 San Joaquin County Director of Public Works	BAUMBACH & PIAZZA CIVIL ENGINEERS SURVEYORS 323 W. ELM ST. LODI, CALIF. 95240 PH: 209-358-8618	SHEET 1 OF 1 JOB NO. 90164 FILE NO.
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