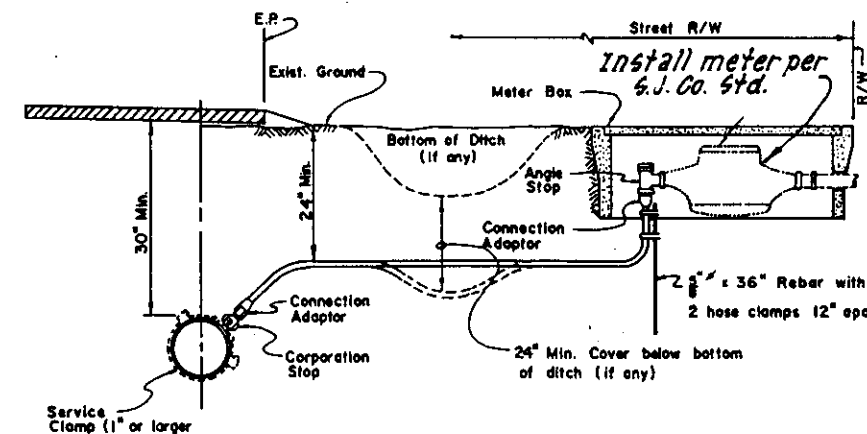


- NOTES:**
1. Relative composition of materials shall be tested by the State of California, Dept. of Transportation Testing Manual, test method No. C-20 or C-21.
 2. All existing pavement shall be neatly cut to line prior to trench excavation.
 3. Setting or ponding shall be permitted within the street Right of Way with 3 year bond.
 4. When shown by soil composition and compaction, ninety percent (90%) compaction may be used, when approved by the Director of Public Works.
 5. Outside E.P. Repair W/2" A.C. over comp. native material @ 95% R.C.

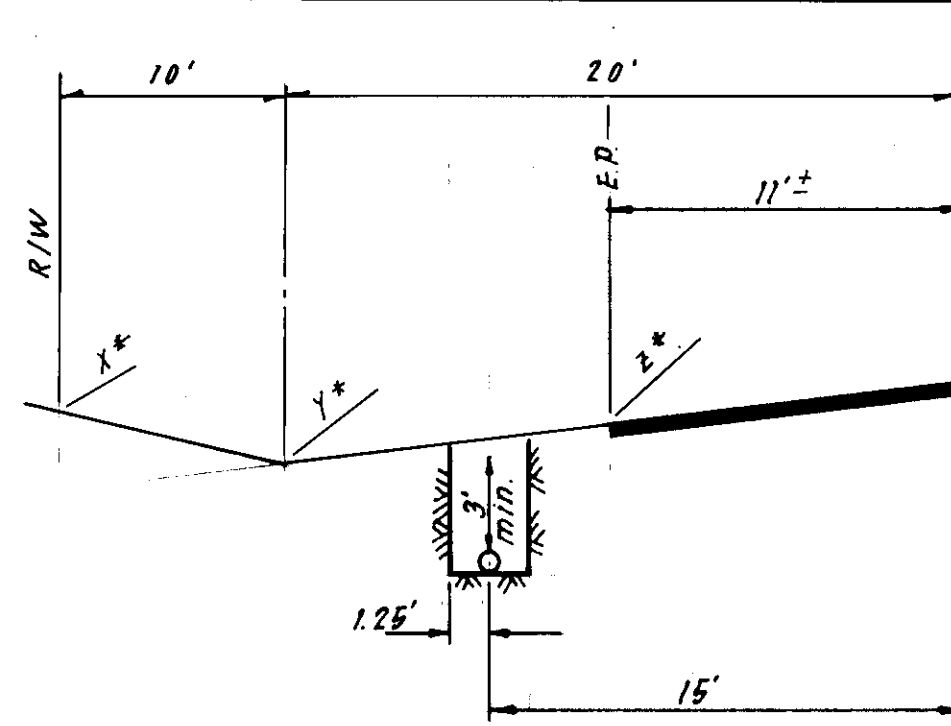
METER AND WATER BOX SPECIFICATIONS

Meter Brand: PRECISION METER INC.
Model: PPM 5/8" x 3/4" METER WITH ATTACHMENT CONNECTOR SPUDS
Water Box Brand: CHRISTY CONCRETE PRODUCTS
Water Box Model: B220X
Note: METER WILL REGISTER IN THE U.S. GALLONS. LOCKABLE CORPORATION LOCK WILL PRECISE THE METER AND ENTIRE SETUP WILL BE IN THE CONFINES OF THE WATER BOX.



- NOTES:**
1. Plastic pipe up to 1/2" I.D. service shall be ultra high molecular weight (UHMW) Polyethylene as manufactured by "Orion" or approved equal with minimum pressure rating of 150 psi.
 2. Plastic pipe for 2" I.D. service shall be PB 210 Polyethylene or approved equal with minimum pressure rating of 150 psi.
 3. Corporation stop shall have corporation cock threads.
 4. Angle stop shall have swivel nut and lock wings.
 5. Angle stop shall be vertically plumb.
 6. Size of service line shall be as required by the County.
 7. Mueller test-tite connection shall conform to ASTM Designation D 2229.

WATER SERVICE



QUANTITIES

ITEM	QTY	UNIT	PRICE
1. Blow-off	1	EA	42.8
1. 8" Water Valve	1	EA	42.8
1. 18" Water Service	9+50	LF	42.8
1. 2" Water Service	9+00	LF	42.7
1. 6" L.F. 8" Water	9+50	LF	42.2

***ELEVATIONS**

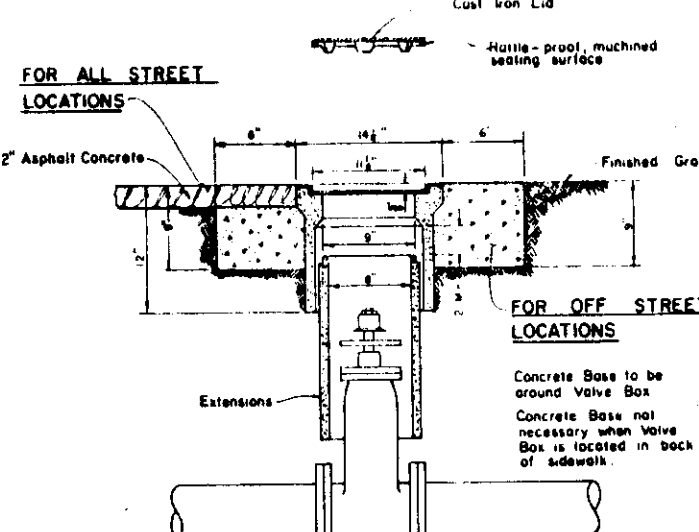
STA	1	2
9+00	43.0	42.8
9+50	43.0	42.8
9+00	43.1	42.7
9+50	42.6	42.2

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.

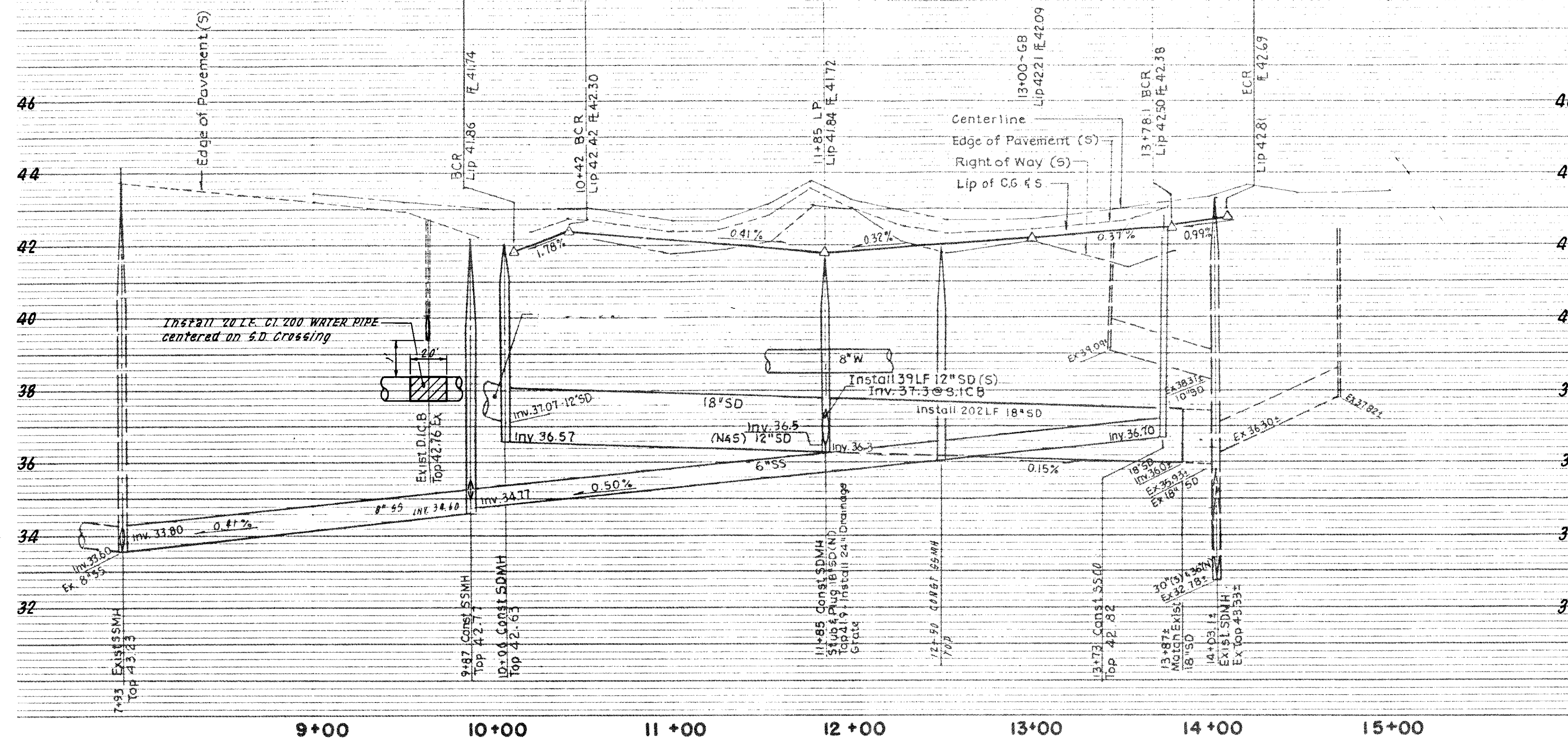
GENERAL NOTES:

1. All work shall conform to these plans and any special provisions for this project.
2. Refer to the Parcel Map recorded in Book _____ at page _____ San Joaquin County Records for all center line and property line data.
3. Contractor shall receive an approved set of plans and specifications prior to beginning construction.
4. Baumbach & Piazza (Engineer) shall set all survey controls and construction stakes necessary for completion of work. The Contractor shall be responsible for the preservation of all survey and construction stakes. Survey and construction stakes that are lost or destroyed due to Contractor's negligence will be set by the Engineer at the Contractor's expense.
5. It is not the intention that these plans show all existing underground utilities. The Contractor shall have U.S.A. locate and mark all utilities within the work area prior to construction staking.
6. All water lines shall have a minimum of 30" below the structural section.
7. 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.
8. Contractor agrees that he shall assume sole and complete responsibility for job site conditions during the course of construction of this project, including safety of all persons and property; that this requirement shall apply continuously and not be limited to normal working hours; and that the contractor shall defend, indemnify and hold harmless the County of San Joaquin, its elected officials, officers, employees, and agents from any and all claims, costs of litigation, damages, and attorney's fees, for personal injury or property damage of whatever nature which are claimed to have occurred during the term of this project.
9. Contractor shall give Engineer a minimum of 48 hours notification prior to staking any utilities.
10. Separation of water and sewer mains (including crossings) and sewer laterals crossing over water mains shall meet or exceed the latest standards of the State of California Department of Health Services.
11. Contractor shall be responsible for notifying and co-ordinating all work with any agency requiring removal or relocation of utilities, such as Pacific Bell, P. G. & E., etc.
12. 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.
13. Contractor shall visit site prior to bidding. Specifications are a separate document.
14. 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.
15. Where water crosses SD or SS use an 20 foot length of CI 200 pipe, centered over the SD or SS if: a) The water is under the SD or SD. b) The vertical clearance is less than 1 foot. Also applies to catch basins and sewer laterals.
16. 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.
17. 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.
18. Prior to performing any work in existing Augusta Street, the Contractor shall obtain an Encroachment Permit from the San Joaquin County Department of Public Works.
19. Contractor shall notify the Mokelumne Acres Maintenance District for approval prior to connecting water line to existing water main.
20. Pipe type and strengths allowed for underground utilities, unless otherwise specified on plans, are as follows: Water (W) - PVC, CI 150 or greater per AWWA Std. C-900 or ACP, CI 150 or greater per ASTM C276, Type II.
21. Any changes to the approved Improvement Plans and Specifications must be prepared and certified by the "Civil Engineer" and shall be approved by the "Director" prior to implementation.
22. The owner shall have compaction tests taken for street subgrade, utility trenches and lot fill. Any required retests will be at the contractor's expense. Contractor shall call for the tests and submit the results to the engineer and County as soon as possible.
23. Contractor shall obtain a grading permit from the San Joaquin County Building Division to be reimbursed by the Owner.
24. The Standard Plans and Specifications of San Joaquin County, Department of Public Works are hereby made a portion of these plans.

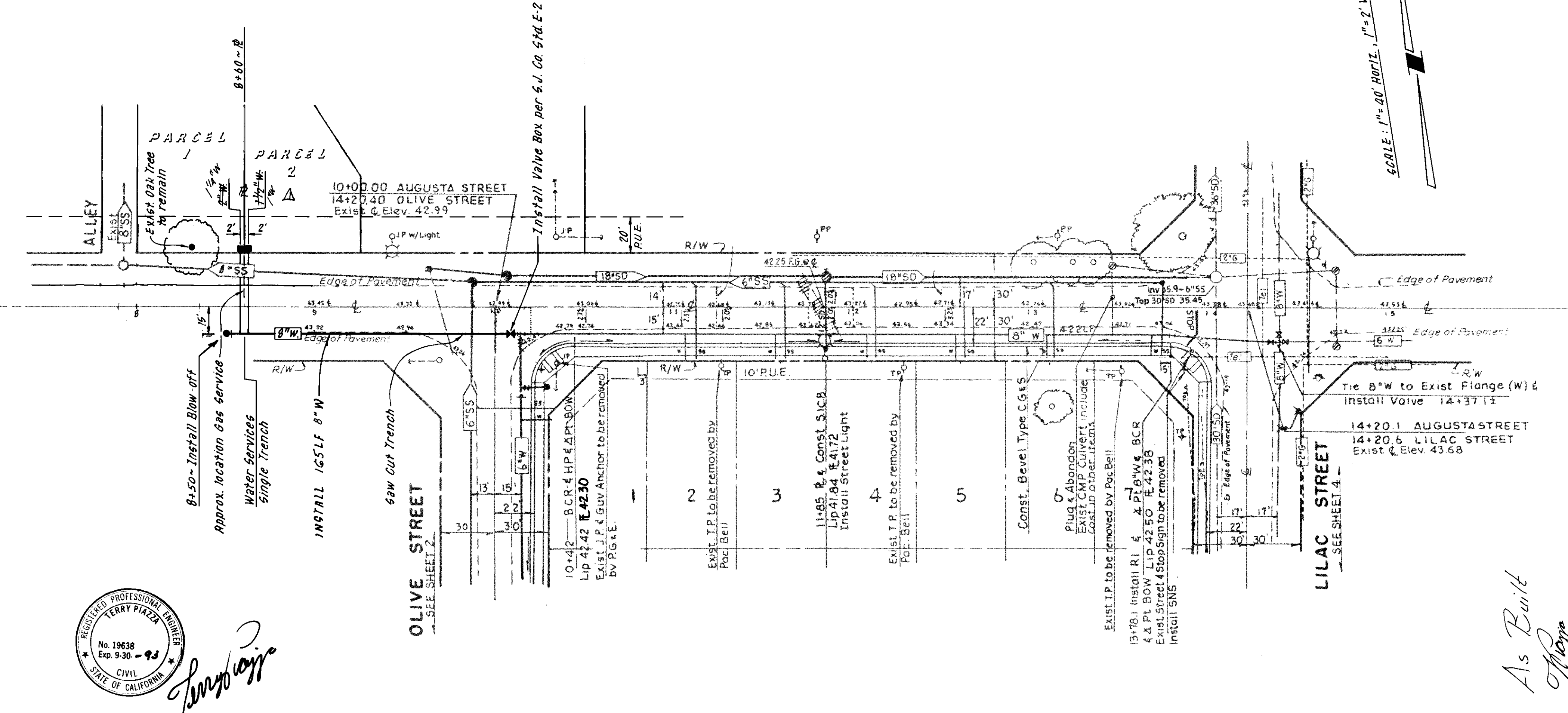


VALVE BOX

- NOTES:**
1. Valve Box and Lid shall be Christy No. 5, Boshart No. 11 or 4-TT, or equal.
 2. All Lids and Grate Rings shall have machined bearing surfaces.
 3. Extensions shall be as manufactured for the Valve Box supplied or Pipe of correct size can be used.



AUGUSTA STREET



Henry M. Hirata

As Built
4-15-92

NO.	DATE	REVISIONS	BY
1	4-10-90	Change service size	

DESIGN: *Henry M. Hirata*
DRAWN BY: *Henry M. Hirata*
RCE: 19638 DATE: 5-25-91

APPROVED BY: Henry M. Hirata RCE No. 21258
June 6, 1991
SAN JOAQUIN COUNTY DIRECTOR OF PUBLIC WORKS

BAUMBACH & PIAZZA
CIVIL ENGINEERS
SURVEYORS
323 W. ELM ST. LODI, CALIF.
93240 PH: 209-368-8818

AUGUSTA STREET
WATER LINE

SHEET 1 OF 1
JOB NO. 90158
FILE NO.