

AGGREGATE BASE.--Aggregate base shall conform to the requirements in Section 26, "Aggregate Base", of the Standard Specifications and these special provisions.

Aggregate base shall be Class 2.

The combined aggregate shall conform to the grading specified for the 3/4-inch maximum aggregate.

The R-Value requirements may be waived provided the aggregate base conforms to the specified grading and durability and has a sand equivalent value of 33 or more.

ASPHALT CONCRETE.--Asphalt concrete shall conform to the requirements in Section 39, "Asphalt Concrete", of the Standard Specifications and these special provisions.

Asphalt concrete shall be Type "B". Aggregate shall conform to the 1/2-inch maximum, coarse or medium grading as determined by the Engineer. At the Contractor's option, and with approval of the Engineer, aggregate may be 3/4-inch maximum, medium grading with the exception of the final finish course.

Aggregate conforming to the 3/8-inch maximum grading will be permitted for use in driveways, dikes and other areas with approval of the Engineer.

The amount of asphalt binder to be mixed with the aggregate shall be between 5 percent and 7 percent by weight of the dry aggregate. The exact amount of asphalt binder to be mixed with the aggregate and the AR viscosity grade of the asphalt binder will be determined by the Engineer. The provisions of paragraphs 4 through 7 of Section 39-3.03 "Proportioning" shall not apply to this project.

Paint binder shall be applied at a rate of approximately 0.05 gallon per square yard, unless otherwise shown on the plans.

When the asphalt concrete is to be produced in a batch plant, the asphalt concrete shall be proportioned and mixed by the automatic method.

All steel-tired rollers shall be of the tandem type. The third paragraph of Section 39-5.02 "Compacting Equipment" shall be deleted.

The tenth paragraph of Section 39-6.03, "Compacting", of the Standard Specifications, allowing the use of "alternative compacting equipment" shall be deleted.

The prime coat liquid asphalt penetration grade shall be SC 70 or SC 250. The cost of the prime coat shall be included in the bid for asphalt concrete.

The dumping of material in a windrow, in accordance with Section 39-5.01, shall be limited to 750 feet in advance of the paving machine, unless otherwise permitted by the Engineer.

Unless otherwise shown on the plans, asphalt paver equipment used to place asphalt concrete shall be equipped with full automatic screed and grade sensing controls which shall control the longitudinal grade and transverse slope of the screed. The controls shall be actuated by grade and slope references. Corrections on account of deviations from the references shall be automatic. Guides and references required to control the longitudinal grade and transverse slopes shall be furnished and installed by the Contractor.

Should the Contractor elect to use a ski device for longitudinal control, the minimum length of the device shall be 30 feet. The device shall be a rigid unit mounted on multiple supports. Each support shall act independently of others and the finished grade shall not be affected by the action of a single support.

Surfacing operations shall be conducted in such a manner that, at the end of each day's work, the distance between the ends of adjacent surfaced lanes shall not be greater than can be completed in the following day of normal surfacing operations.

Portable delineators in conformance with Section 12-3.04, "Portable Delineators," of the Standard Specifications shall be furnished and placed at a maximum spacing of 300 feet on tangents and 100 feet on curves along any edge of new surfacing which has a drop off of more than 0.10 foot. Delineators shall be staggered when required on both sides of traffic.

EARTHWORK (ROADWAY WIDENING).--Earthwork for roadway widening shall conform to the requirements in Section 19, "Earthwork", of the Standard Specifications and these special provisions.

After clearing and grubbing has been completed the existing native material and/or imported borrow shall be graded flush or to a constant dimension below the edge of the existing pavement as shown on the typical cross section for a minimum width of one foot outside of the new edge of pavement. The subgrade of the widened section shall be constructed to a 2 percent cross slope unless otherwise designated on the plans.

The requirement of the first paragraph of Section 19-5.03 will not be required in the area between the outside edge of the existing pavement and the outside edge of new pavement whenever this area is one foot or less in width. All relative compaction of Section 19-5 shall be not less than 90 percent.

The requirement of the second paragraph of Section 19-5.03 will not be required.

Unless otherwise shown on the plans, all surplus materials not to be salvaged, stockpiled or disposed of as provided in Section 19-2.06, shall become the property of the Contractor and disposed of as provided in Section 7-1.13 of the Standard Specifications.

The contract price paid for earthwork (roadway widening) shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals, and for doing all the work involved in earthwork (roadway widening), complete in place, including excavation, embankment, disposing, grading and compacting, as shown on the plans, as specified in the Standard Specifications and these special provisions, and as directed by the Engineer.

When imported borrow is authorized by the Engineer separate payment will be made.

EARTHWORK.--Earthwork shall conform to the requirements in Section 19, "Earthwork", of the Standard Specifications and these special provisions.

The requirement of the second paragraph of Section 19-5.03 will be required only in those areas shown on the plan.

In lieu of the tolerance specified in Section 19-1.03(b) of the Standard Specifications, the surface of the grading plane shall not be more than 0.05 foot above or below the grade established by the Engineer.

Before grade is approved by the Engineer all earthwork (including driveways and slopes) shall be compacted to grade. Unless otherwise shown on the plans, all surplus materials not to be salvaged, stockpiled or disposed of as provided in Section 19-2.06 shall become the property of the Contractor and disposed of as provided in Section 7-1.13 of the Standard Specifications.

Unless otherwise shown on the plans, the existing pavement, when used as embankment, shall be broken up into pieces not larger than 0.33 foot in greatest dimension.

Full compensation for breaking up the existing pavement shall be considered as included in the contract price paid per cubic yard for roadway excavation and no additional compensation will be allowed therefor.

EARTHWORK (CONCRETE CURBS & SIDEWALKS).--Earthwork for concrete curbs and sidewalks shall conform to the requirements in Section 19, "Earthwork", of the Standard Specifications and these special provisions.

Excavation for concrete curbs and sidewalks along improved frontages shall be limited to six inches (6") behind new concrete construction adjacent to property line unless otherwise shown on the plans.

All relative compaction of Section 19-5 shall be not less than 90 percent, unless otherwise designated on the plans. The requirement of the second paragraph of Section 19-5.03 will be required.

Ground area to be used for landscaping purposes, which has been excavated or is below finished grade, shall be backfilled with selected material or imported topsoil, free of stones, conforming to the provisions of Section 20-2.01, "Topsoil", of the Standard Specifications and these special provisions, unless otherwise shown on the plans. Backfilled material in ground areas shall be compacted equal to natural ground and may be compacted by ponding with water.

The ground area adjacent to new concrete or pavement construction shall be graded flush to match new improvements as shown on the plans. Backfill material in slope areas greater than six to one shall be selected for resistance to erosion.

Unless otherwise shown on the plans or specified in these special provisions, all surplus material not to be salvaged shall become the property of the Contractor and shall be disposed of as provided in Section 7-1.13 of the Standard Specifications.

The contract unit price paid for Earthwork (Concrete Curbs & Sidewalks) shall include full compensation for furnishing all labor, materials, tool, equipment and incidentals and for doing all the work involved in Earthwork (Concrete Curbs & Sidewalks), complete in place, including the excavation of all material necessary for the construction of the facility and the obtaining and placing of selected material and imported topsoil, as shown on the plans, as specified in the Standard Specifications and these special provisions, and as directed by the Engineer.

When the contract does not include a contract pay item for Earthwork (Concrete Curb & Sidewalks), full compensation for Earthwork (Concrete Curb & Sidewalks), shall be considered included in the unit prices paid for the various contract items of work and no further allowance will be made therefor.

AGGREGATE BASE.--Aggregate Base shall conform to the requirements in Section 26, "Aggregate Base", of the Standard Specifications and these special provisions.

Aggregate Base shall be Class 2.

The combined aggregate shall conform to the grading specified for the 3/4 inch maximum aggregate.

The R-Value requirement may be waived provided the individual test result of the aggregate base conforms to the specified grading and durability and has a sand equivalent value of 33 or more.

Recycled asphalt concrete (R.A.C.) may be substituted for Class 2 aggregate base, provided it meets the specified gradation and R-Value requirements. Durability and sand equivalent requirements shall be waived.

If the results of the R-Value test on R.A.C. do not meet the requirements for Class 2 aggregate base, the aggregate base represented by the failing test shall be removed. However, if requested by the Contractor and approved by the Engineer, R.A.C. having an R-Value of 75 through 77 may remain in place and the Contractor shall pay to the County \$2.25 per cubic yard for such aggregate base left in place. The County may deduct this amount from any monies due, or that may become due, the Contractor on this project. No single R-Value test shall represent more than 2000 cubic yards or one day's production.

The results of the R-Value test shall be known prior to placement of subsequent layers of material.

CONCRETE CURBS AND SIDEWALKS.--Concrete curbs and sidewalks shall conform to the requirements in Section 73, "Concrete Curbs and Sidewalks", of the Standard Specifications and these special provisions.

In lieu of the requirements of Section 73-1.05; weakened plane joints shall be constructed at 12-foot maximum intervals on tangent sections and at a minimum of one-third points on radii.

Where curb and gutter only is constructed, driveways shall be placed monolithically with the curb and gutter or shall conform to one of the following alternatives:

- (a) Dowels (5/8 inch diameter by 24 inches long) spaced at 4-foot intervals.
- (b) Keyway constructed 2 inches in height and one inch in depth.

A uniform color shall be maintained by the addition of one pound of lamp black per cubic yard of concrete for curb, gutter and sidewalk construction.

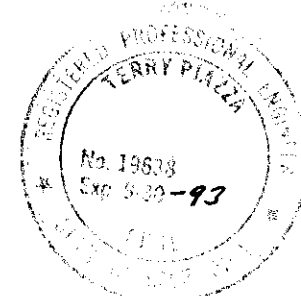
Walkway and driveway approaches providing access to private property that are constructed behind new sidewalk shall be colored and textured as required to match the existing facility.

All concrete gutters shall be water tested for drainage before acceptance. The maximum deviation from a true grade shall not result in ponding water for a depth exceeding 0.02 foot.

When the contract does not include a contract pay item for earthwork, full compensation for excavation, subgrade preparation, furnishing and placing selected material and imported topsoil, grading and compacting earthwork, and for disposing of materials shall be considered as included in the contract price paid for Minor Concrete and no separate payment will be made therefor.

When the contract does not include a contract pay item for removing concrete, full compensation for removing concrete shall be considered as included in the prices paid for the various contract items of work and no separate payment will be made therefor.

ALSO SEE SEPARATE DOCUMENT:
"SLURRY SEAL FOR TRENCH WORK
AT MOKELUMNE / CHESTNUT STREETS -
WOODBIDGE"
That is hereby incorporated into
these plans.



NO.	REVISIONS	DATE	BY	DRWN	CHKD

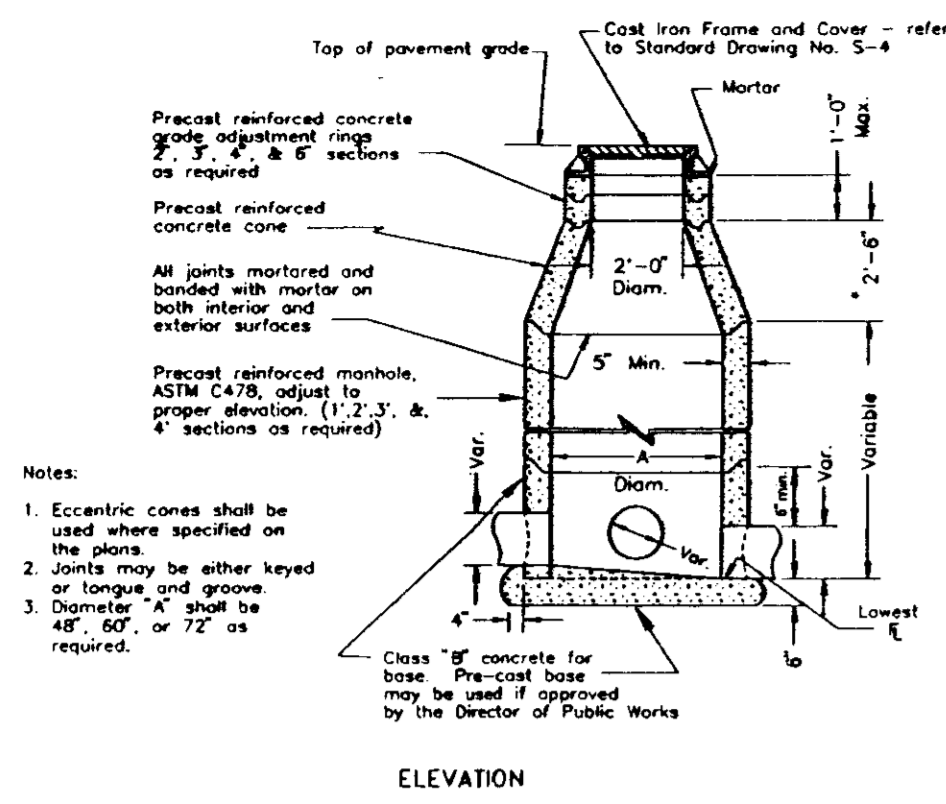
SUBMITTED BY
Robert J. Wozniak
DATE
6-17-92

PREPARED BY THE OFFICE OF
RALMBACH & PIAZZA
CIVIL ENGINEERS
133 WEST ELM STREET
LEWIS, CLARK & BROWN BUILDING

CONSTRUCTION SPECIFICATIONS

MOKELUMNE, CHESTNUT, &
AUGUSTA STREET
STREET IMPROVEMENTS

SHEET 7 OF 7
JOB NO. 9202, 9151
FILE NO.



ELEVATION

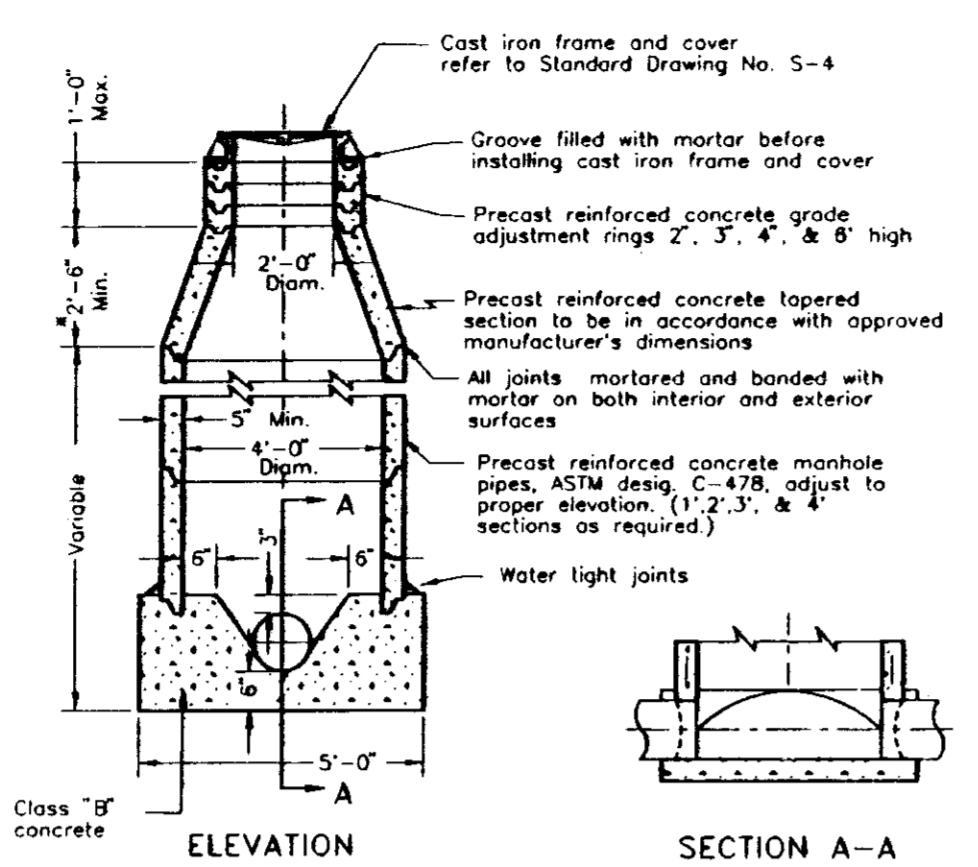
Notes:
 1. Eccentric cones shall be used where specified on the plans.
 2. Joints may be either keyed or tongue and groove.
 3. Diameter "A" shall be 48", 60" or 72" as required.

* NOTE: A 1'-6" concrete cone may be used if approved by the Director of Public Works.



FLAT SLAB TOP

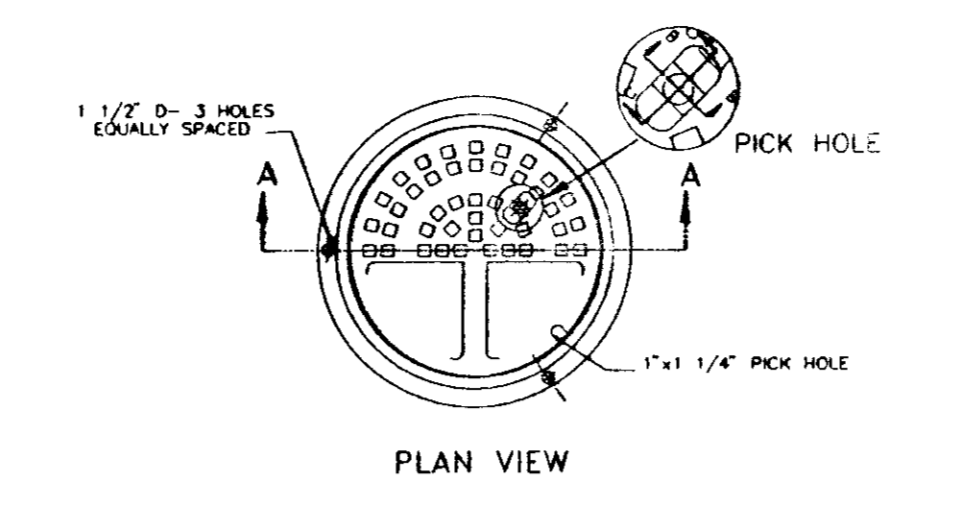
STANDARD STORM DRAIN MANHOLE



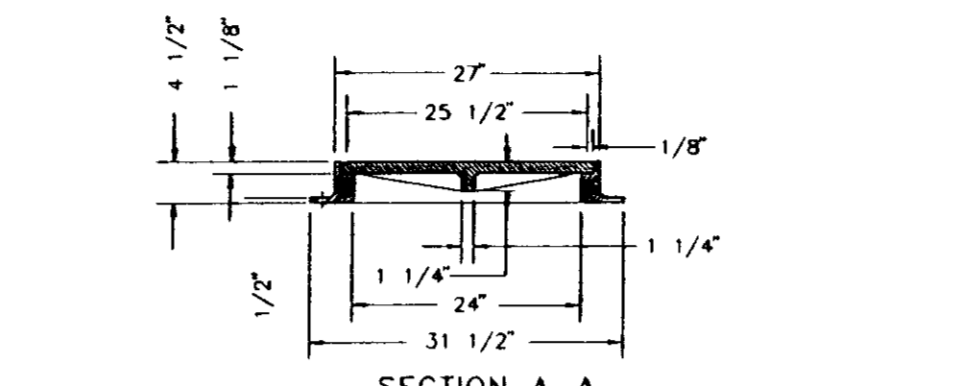
ELEVATION

* Note: A 1'-6" concrete cone may be used if approved by the engineer.

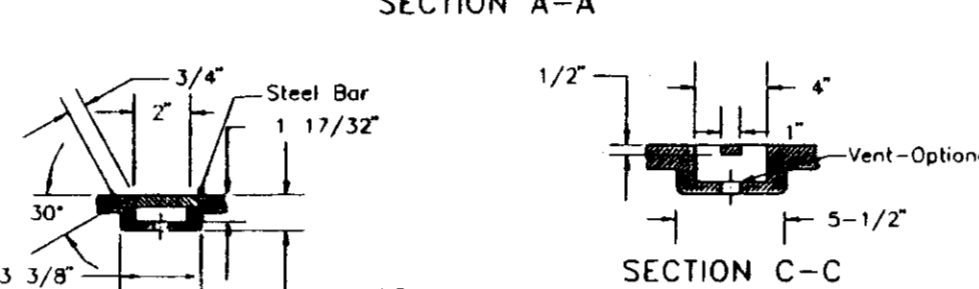
STANDARD SANITARY SEWER MANHOLE



PLAN VIEW



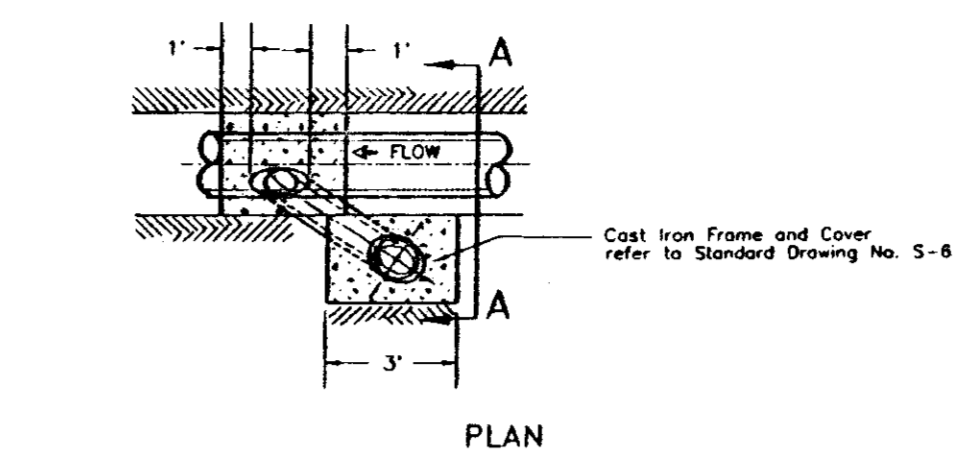
SECTION A-A



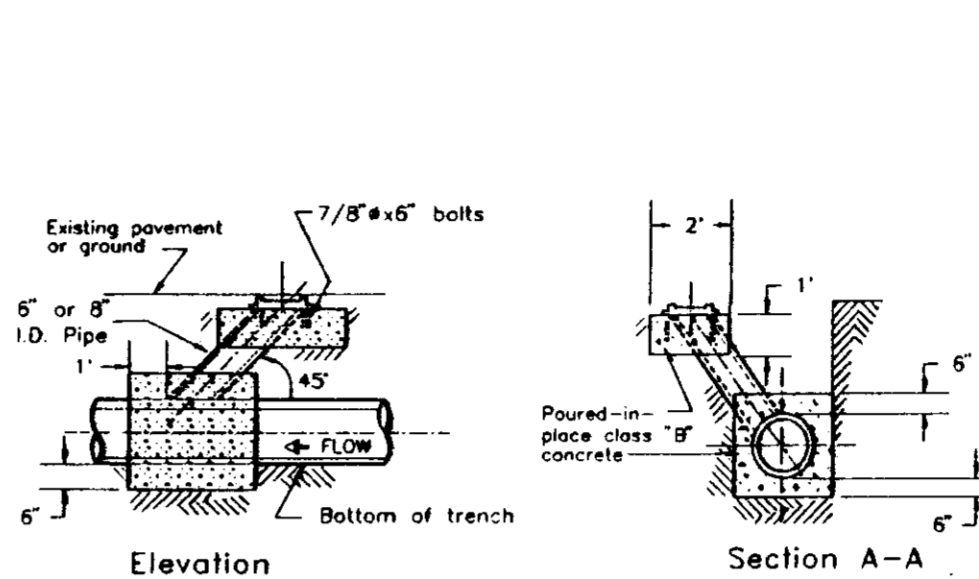
SECTION B-B

NOTE: Frame and Cover shall be machined to assure interchangeability and a close, quiet fit.

FRAME & COVER (MANHOLE)



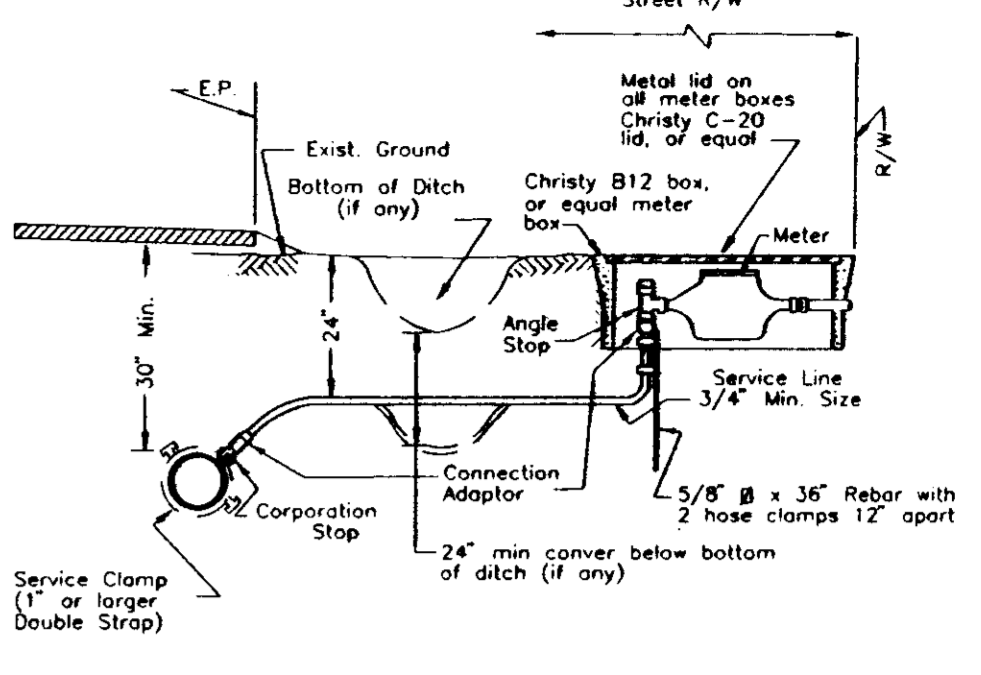
PLAN



ELEVATION

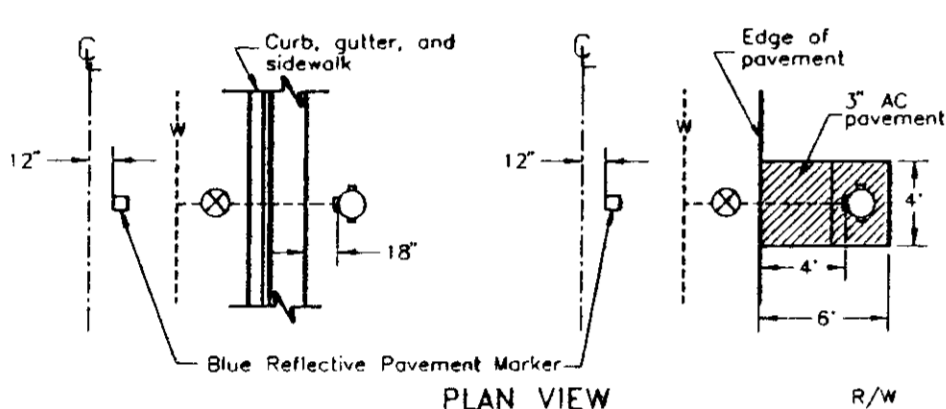
NOTE: Cleanout shall be installed in accordance with the County of San Joaquin Health Department specifications.

SEWER CLEANOUT

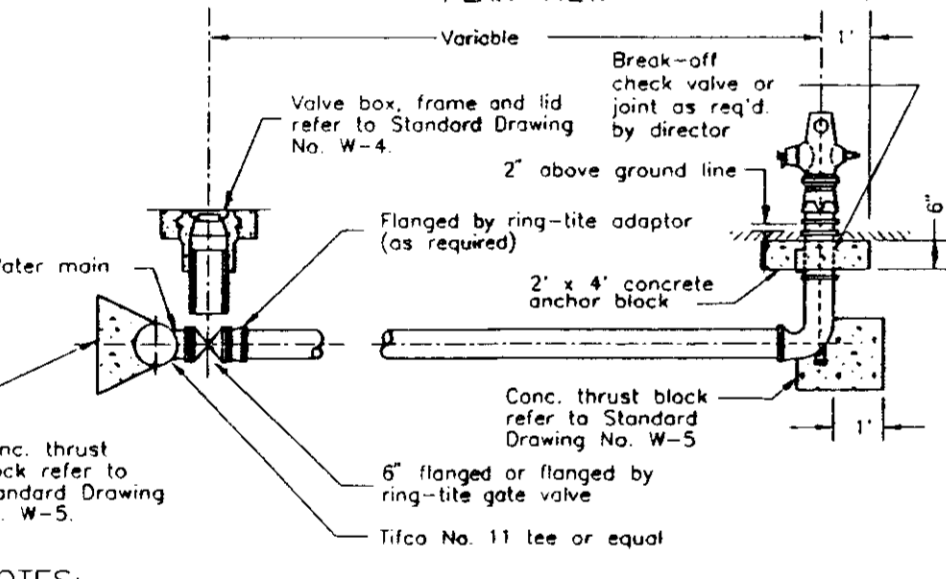


NOTE: Service line material shall be type K copper, polyethylene or polybutylene plastic.

WATER SERVICE



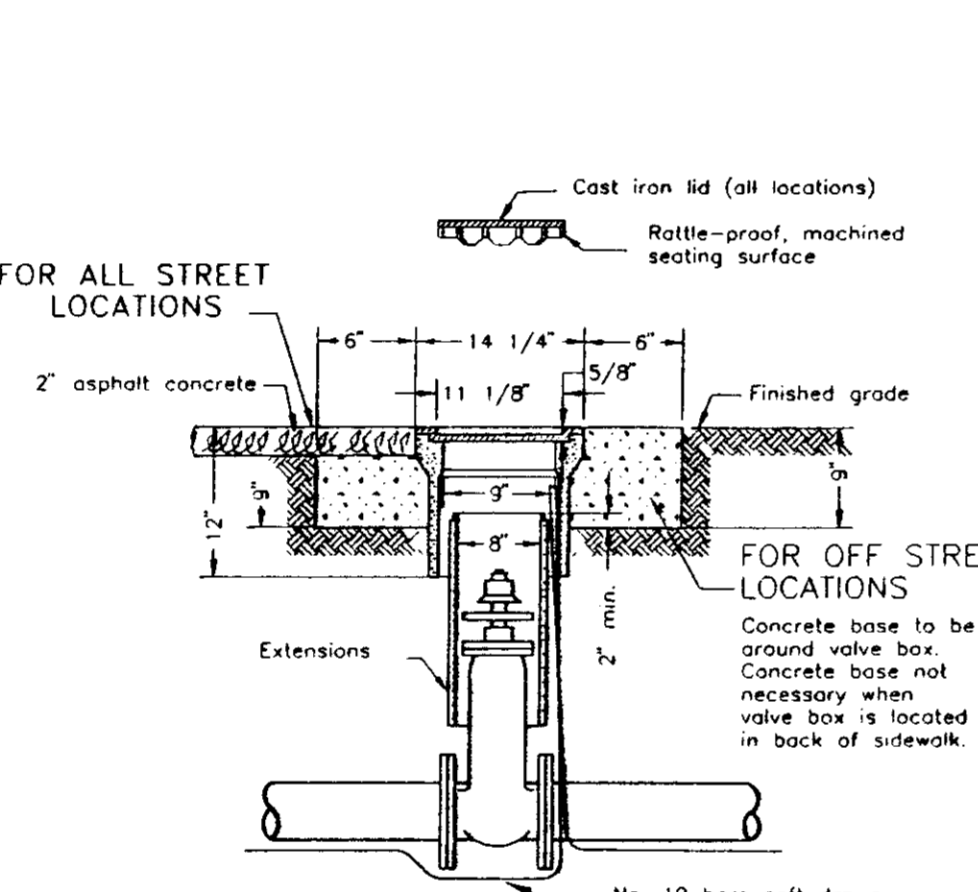
PLAN VIEW



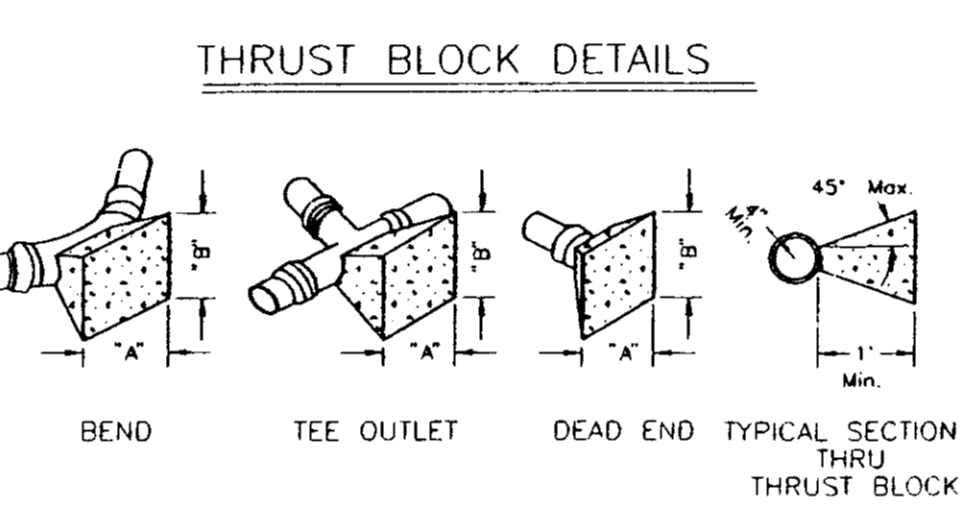
ELEVATION

NOTES:
 1. Fire hydrants shall be placed with pumper outlet facing directly towards the street.
 2. Fire hydrants shall be clean and free of concrete.
 3. Fire hydrants to be American Darling model B-52B, Long Beach model 615, James Jones J-4050, Dresser M & H style 929 "reliant", Mueller "Centurion" or "Modern Centurion", or approved equal with (2) 1 1/2" & (1) 1/4" outlets.
 4. All hydrants shall be painted OSHA safety yellow or as approved by the fire district.
 5. Break off check valve, Long Beach Iron Works, model LB 400, or approved equal.

FIRE HYDRANT



NOTES:
 1. Thrust blocks shall be poured against undisturbed soil and shall be Class 'B' concrete.
 2. Thrust block dimensions were calculated to allow a soil bearing value of 1,000 pounds per square foot.

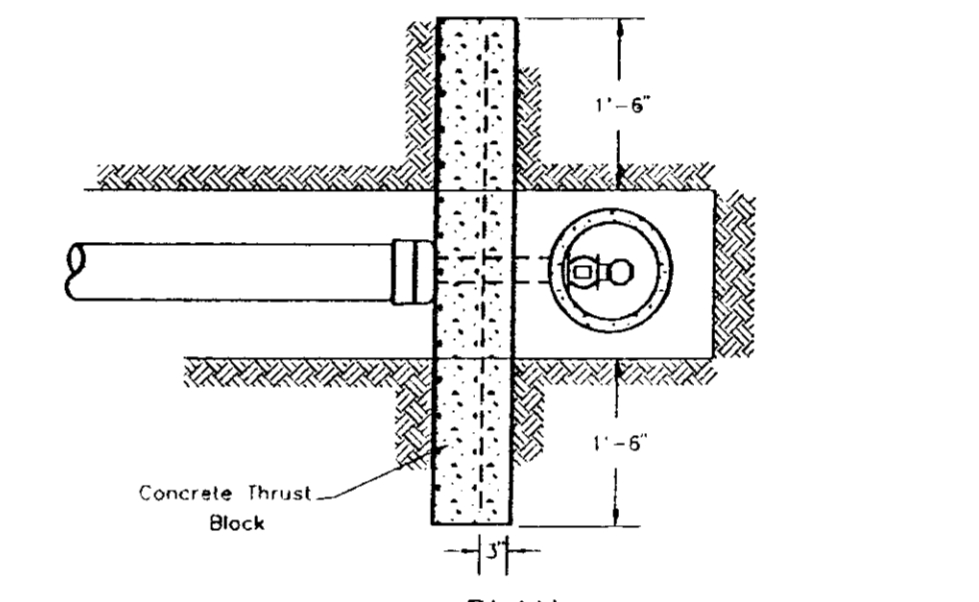


TYPICAL SECTION THRU THRUST BLOCK

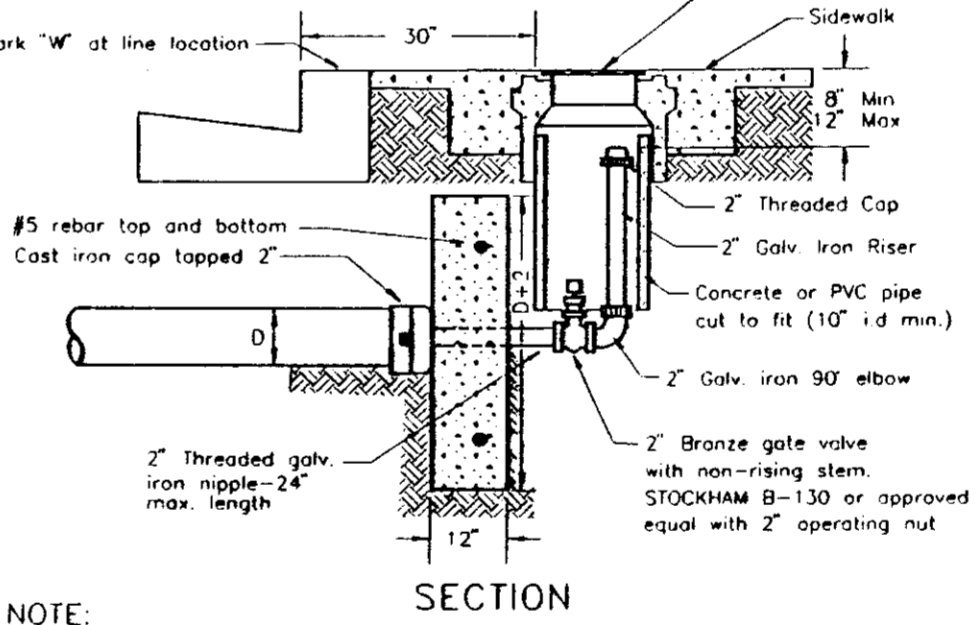
FITTINGS	THRUST BLOCK DIMENSIONS	
	"A"	"B"
6" LINE	1'-0"	1'-0"
8" LINE	1'-6"	1'-6"
10" LINE	2'-0"	2'-0"
12" LINE	2'-6"	2'-6"
14" LINE	3'-0"	3'-0"
16" LINE	3'-6"	3'-6"
18" LINE	4'-0"	4'-0"
20" LINE	4'-6"	4'-6"
22" LINE	5'-0"	5'-0"
24" LINE	5'-6"	5'-6"
26" LINE	6'-0"	6'-0"
28" LINE	6'-6"	6'-6"
30" LINE	7'-0"	7'-0"

NOTE: Thrust blocks shall be poured against undisturbed soil and shall be Class 'B' concrete. Thrust block dimensions were calculated to allow a soil bearing value of 1,000 pounds per square foot.

THRUST BLOCK DETAILS



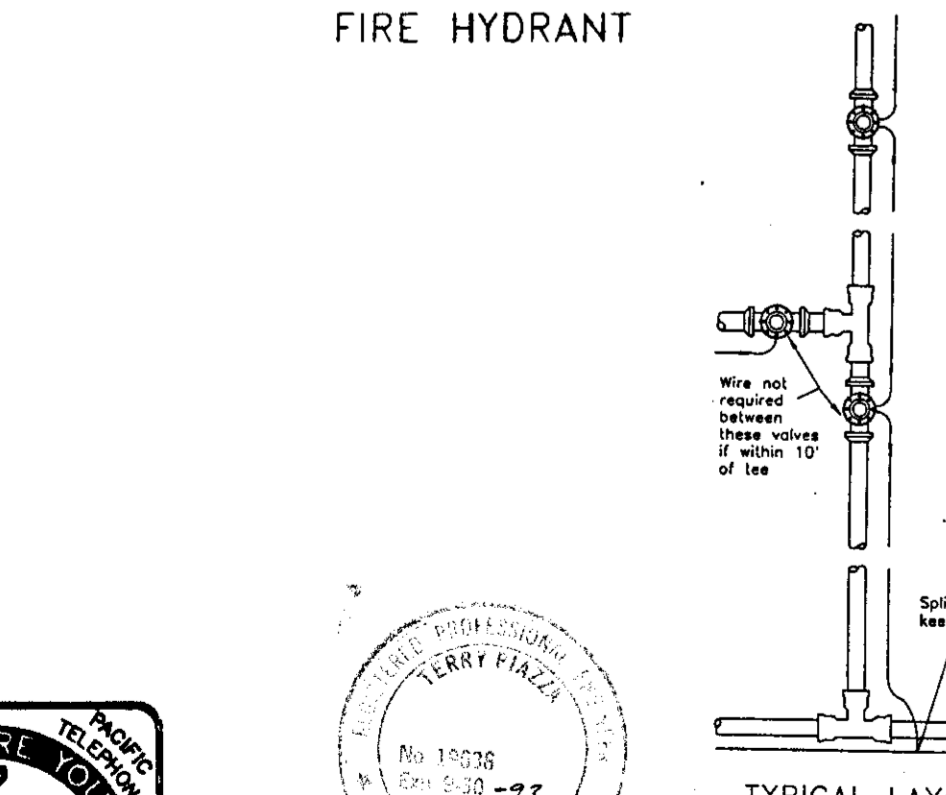
PLAN



ELEVATION

NOTE: For temporary blow-off use same concrete blocking but omit reinforcing bars.

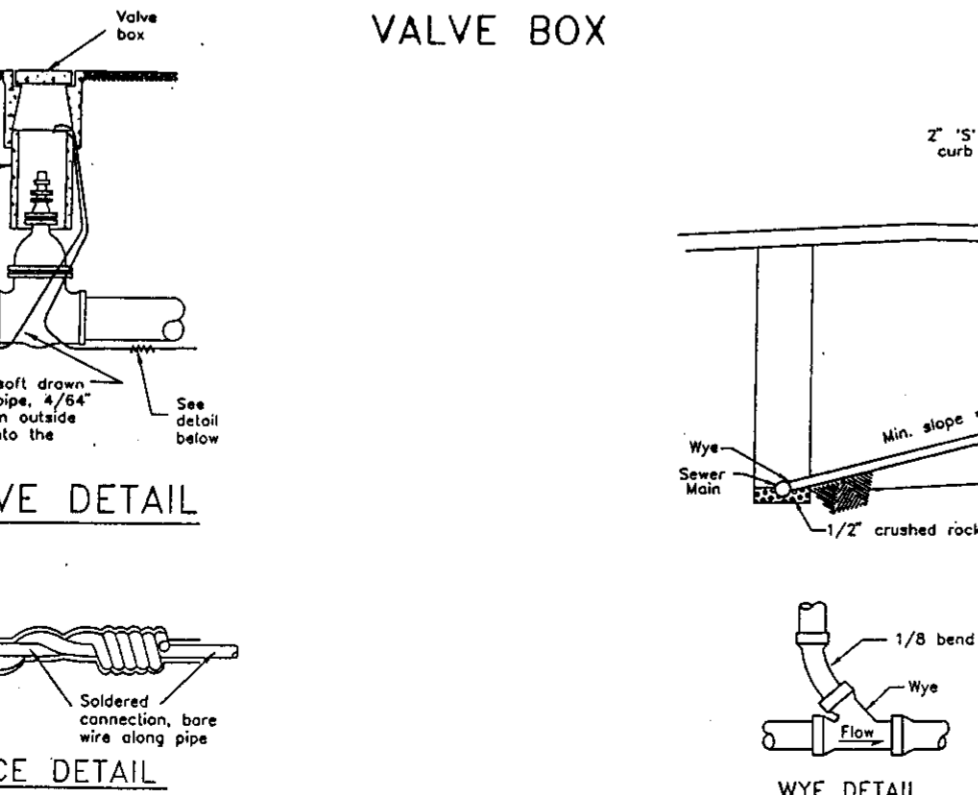
2" BLOWOFF



TYPICAL LAYOUT

NOTES:
 1. Valve boxes shall be clean and free of concrete.
 2. Valve boxes shall be American Darling model B-52B, Long Beach model 615, James Jones J-4050, Dresser M & H style 929 "reliant", Mueller "Centurion" or "Modern Centurion", or approved equal with (2) 1 1/2" & (1) 1/4" outlets.
 3. All hydrants shall be painted OSHA safety yellow or as approved by the fire district.
 4. Break off check valve, Long Beach Iron Works, model LB 400, or approved equal.

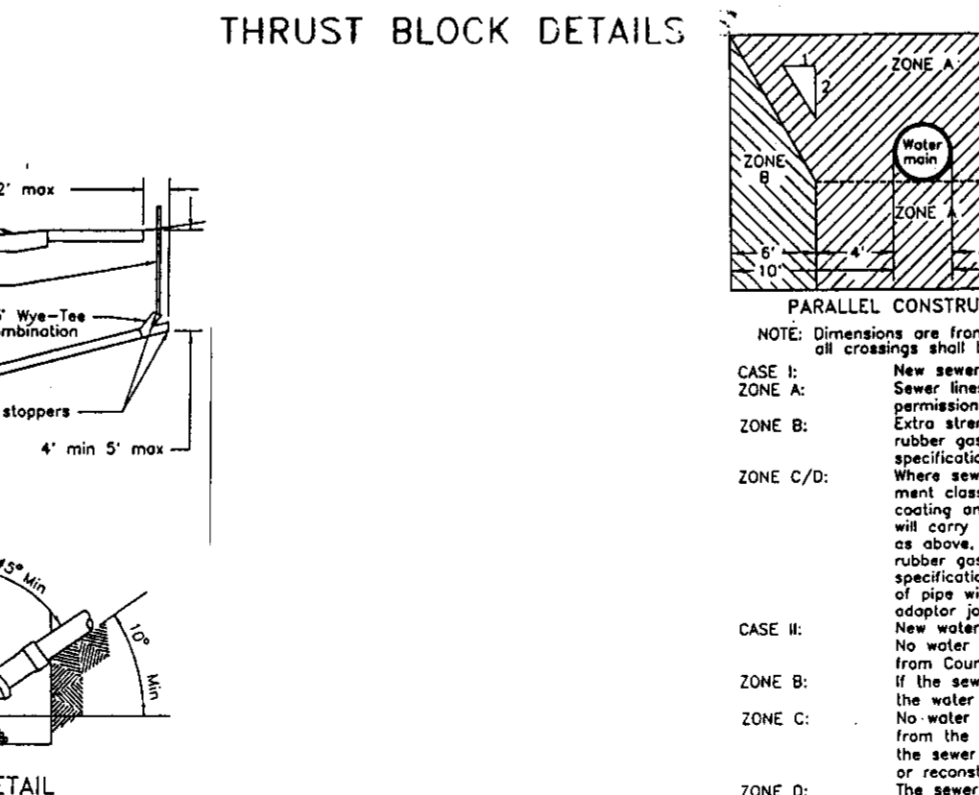
VALVE BOX



ELEVATION

NOTES:
 1. All services shall be 4" inside diameter or as shown on plan.
 2. Contractor shall use the most appropriate type connection (attendant to art. 2) for the particular situation.
 3. See standard plan for required cleanouts & boxes.

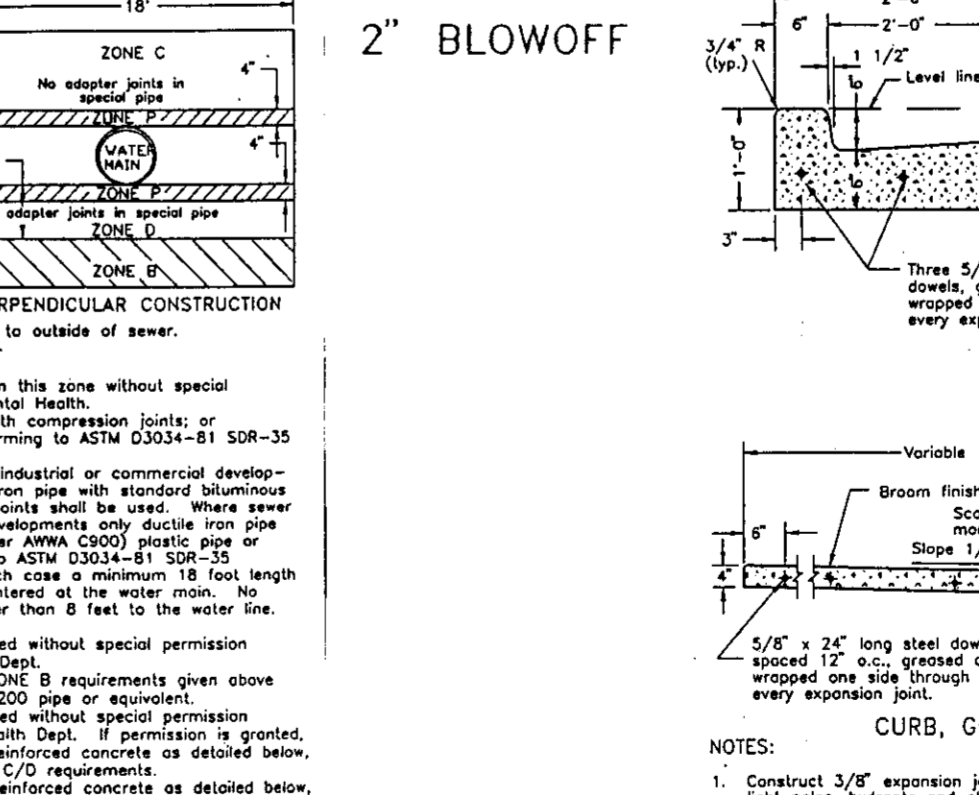
VALVE DETAIL



ELEVATION

NOTES:
 1. All services shall be 4" inside diameter or as shown on plan.
 2. Contractor shall use the most appropriate type connection (attendant to art. 2) for the particular situation.
 3. See standard plan for required cleanouts & boxes.

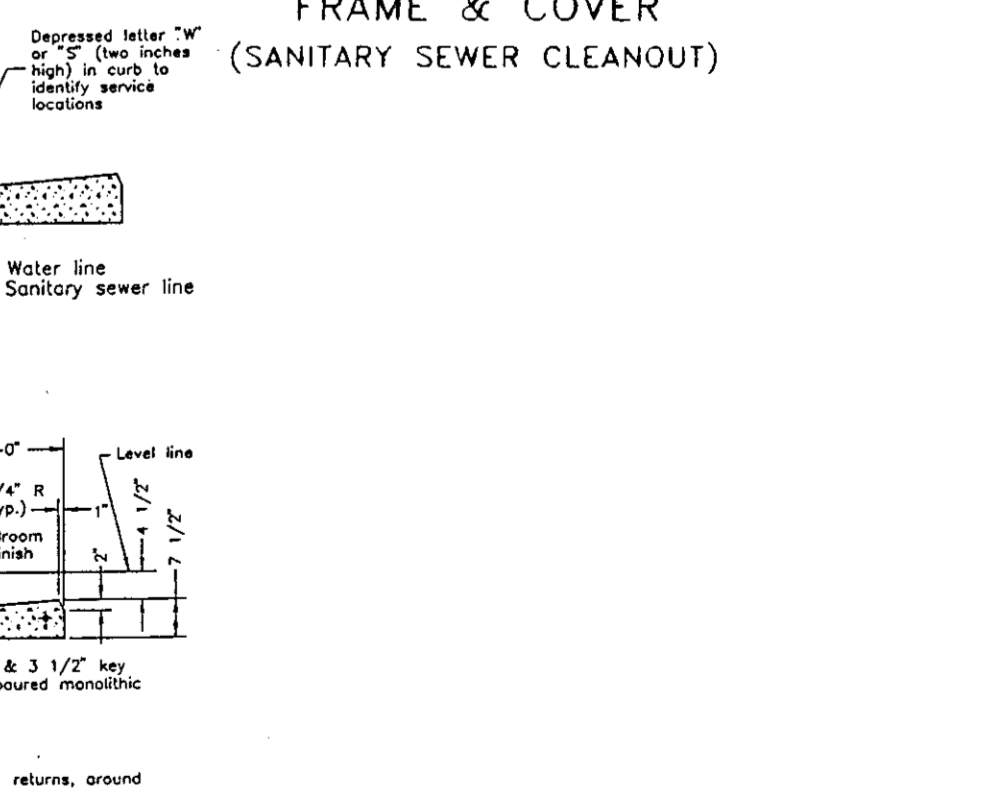
WYE DETAIL



ELEVATION

NOTES:
 1. All services shall be 4" inside diameter or as shown on plan.
 2. Contractor shall use the most appropriate type connection (attendant to art. 2) for the particular situation.
 3. See standard plan for required cleanouts & boxes.

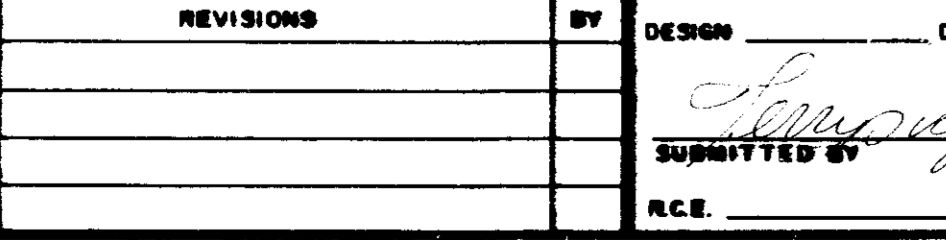
PROFILE DETAIL



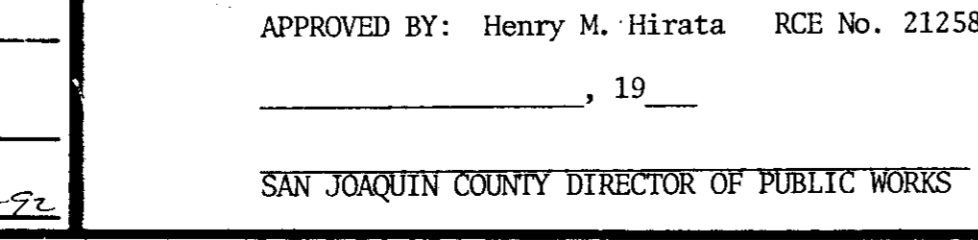
ELEVATION

NOTE: Frame and Cover shall be machined to assure interchangeability and a close, quiet fit.

FRAME & COVER (SANITARY SEWER CLEANOUT)



LOCATOR WIRE INSTALLATION



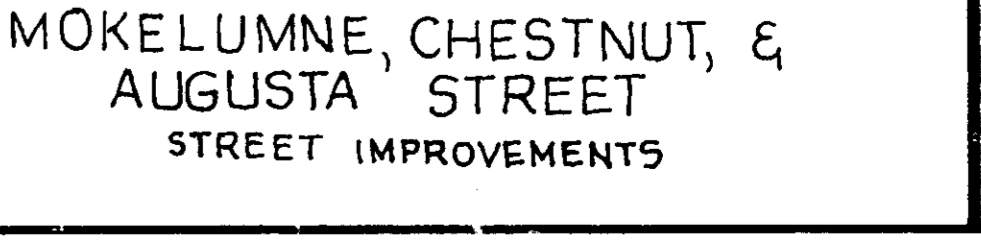
SEWER SERVICE LATERAL



WATER-SEWER SEPARATION STANDARDS



CURB, GUTTER & SIDEWALK



CURB, GUTTER & SIDEWALK

NO.	DATE	REVISIONS	BY	DESIGN	DRAWN BY

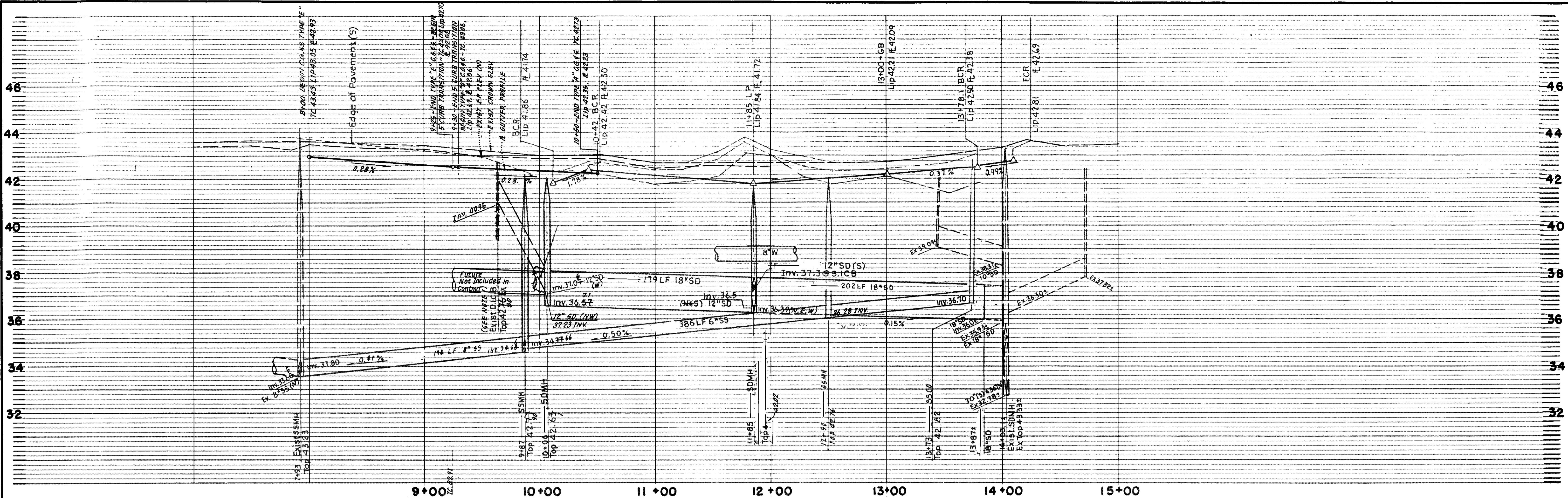
APPROVED BY: Henry M. Hirata RCB No. 21258
 19_____
 SAN JOAQUIN COUNTY DIRECTOR OF PUBLIC WORKS

BAUMBACH & PIAZZA
 CIVIL ENGINEERS
 SURVEYORS
 323 W. 5th St. Lodi, Calif.
 93240 PH: 209-258-8518

DETAIL SHEET

MOKE LUMNE, CHESTNUT, & AUGUSTA STREET
 STREET IMPROVEMENTS

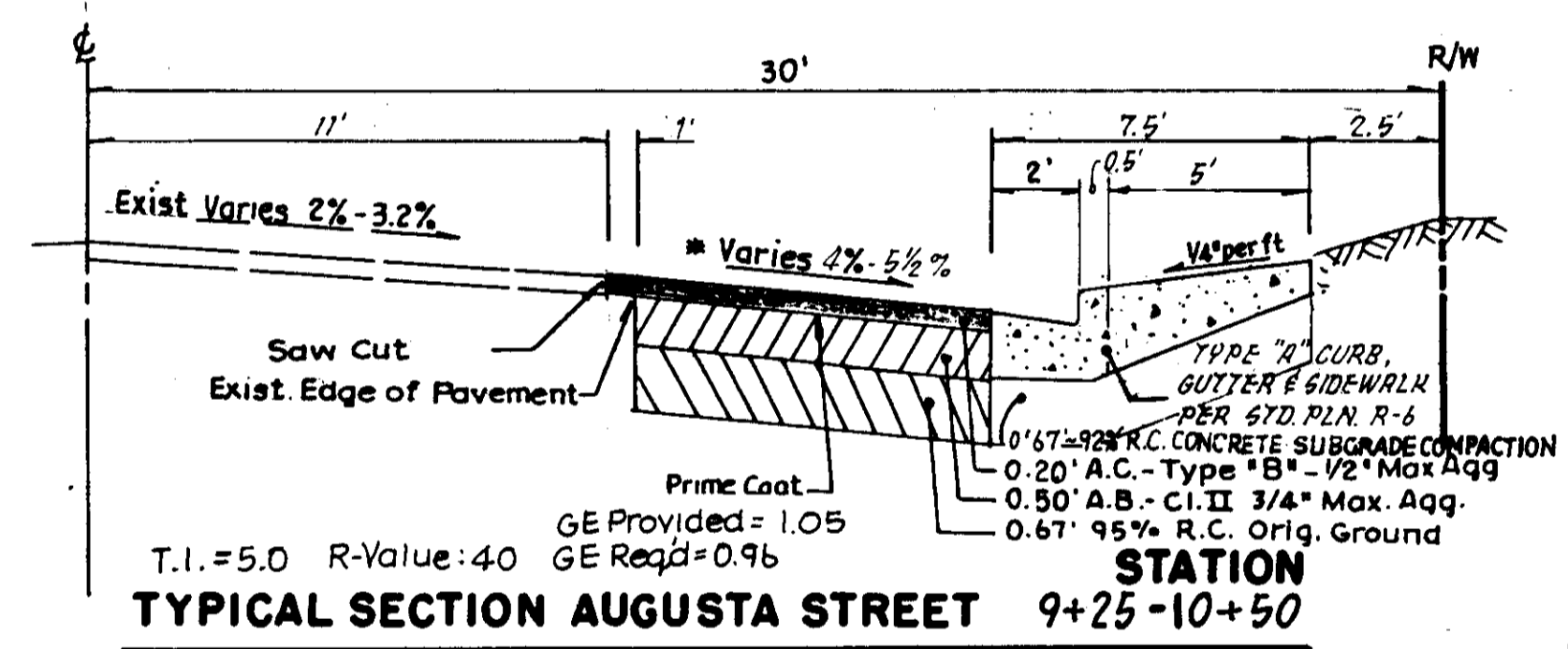
SHEET 6 OF 7
 JOB NO. 9751, 9202
 FILE NO.



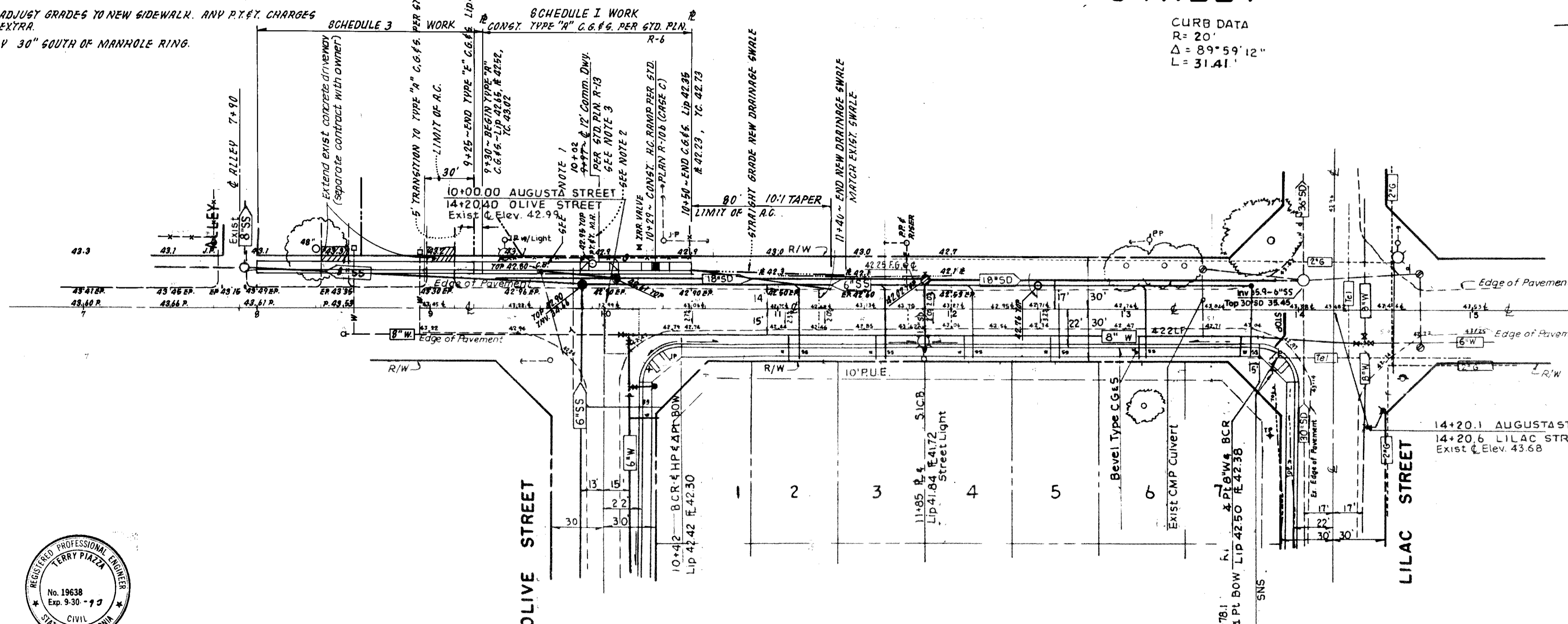
- NOTE 6:**
1. REMOVE D.I.C.B. AND S.D. LATERAL AS NECESSARY. PLUG LATERAL WITH CONCRETE.
 2. ARRANGE WITH P.T.#Y. TO ADJUST GRADES TO NEW SIDEWALK. ANY P.T.#Y. CHARGES WILL BE HANDLED AS AN EXTRA.
 3. EXTEND B.W. SOUTHERLY 30" SOUTH OF MANHOLE RING.

AUGUSTA STREET

CURB DATA
 R = 20'
 $\Delta = 89^\circ 59' 12''$
 L = 31.41'



Scale: 1" = 4' Horiz
 * NOTE: Cross Slope of widening shall be equal to or greater than Exist. pavement but not to exceed 4%.



NO.	DATE	REVISIONS	BY	DESIGN	DRAWN BY

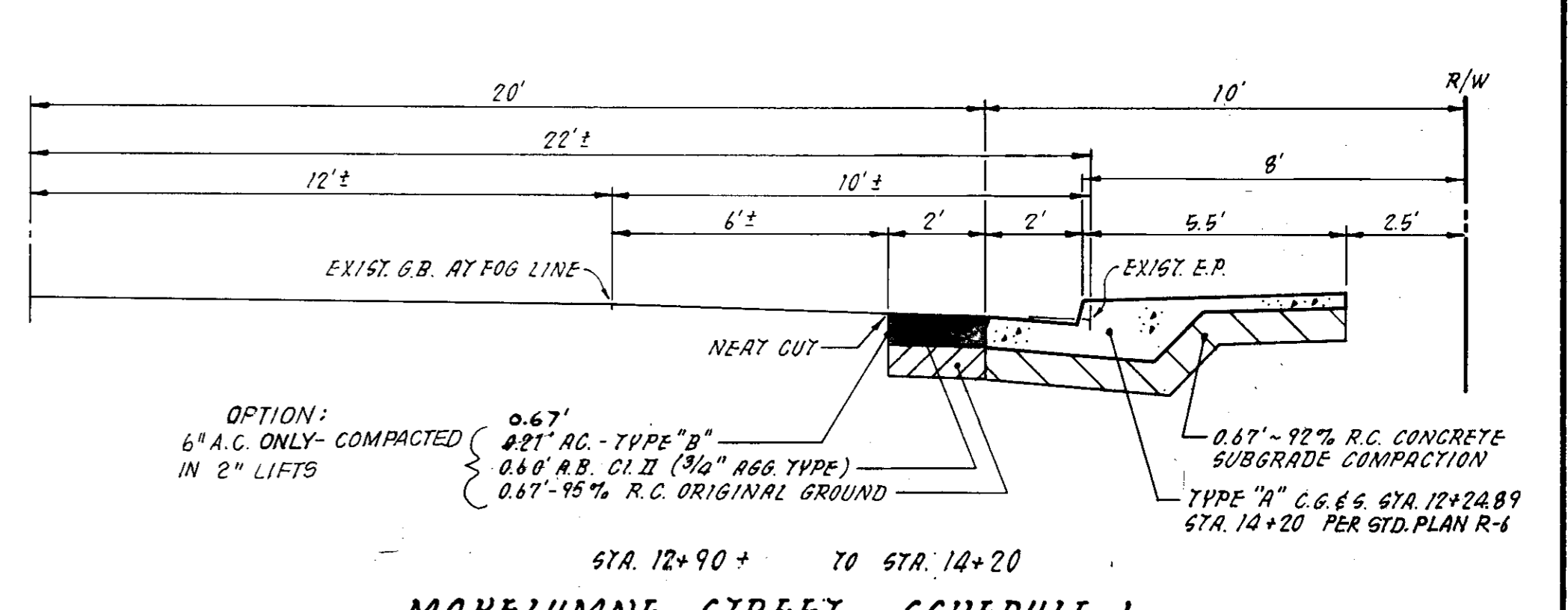
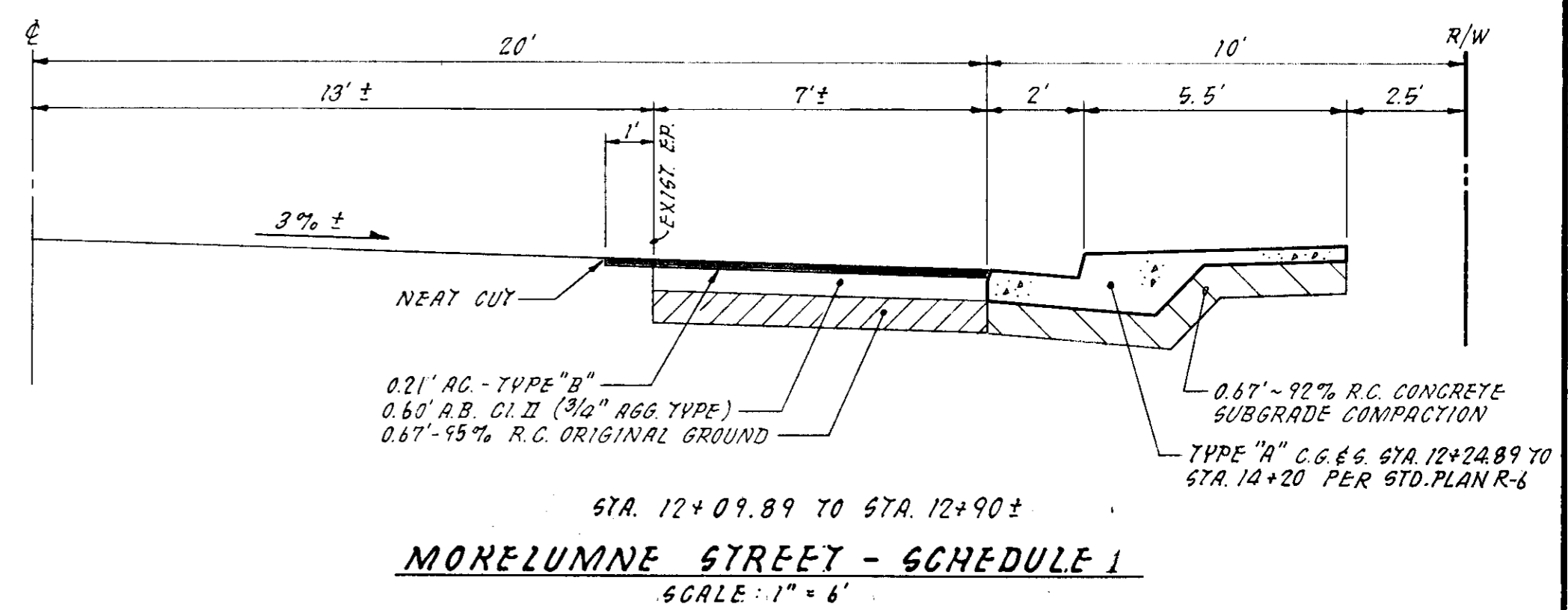
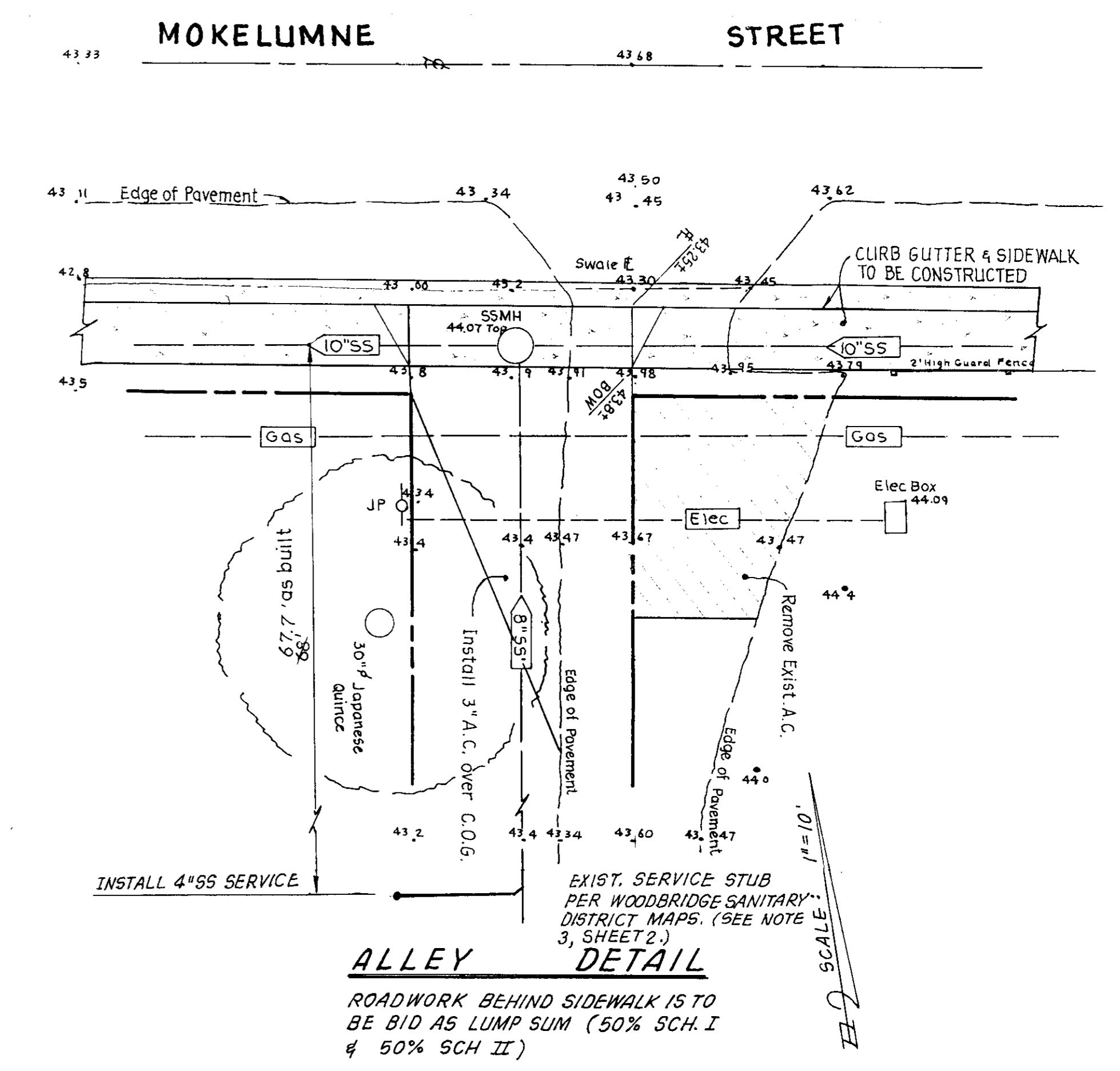
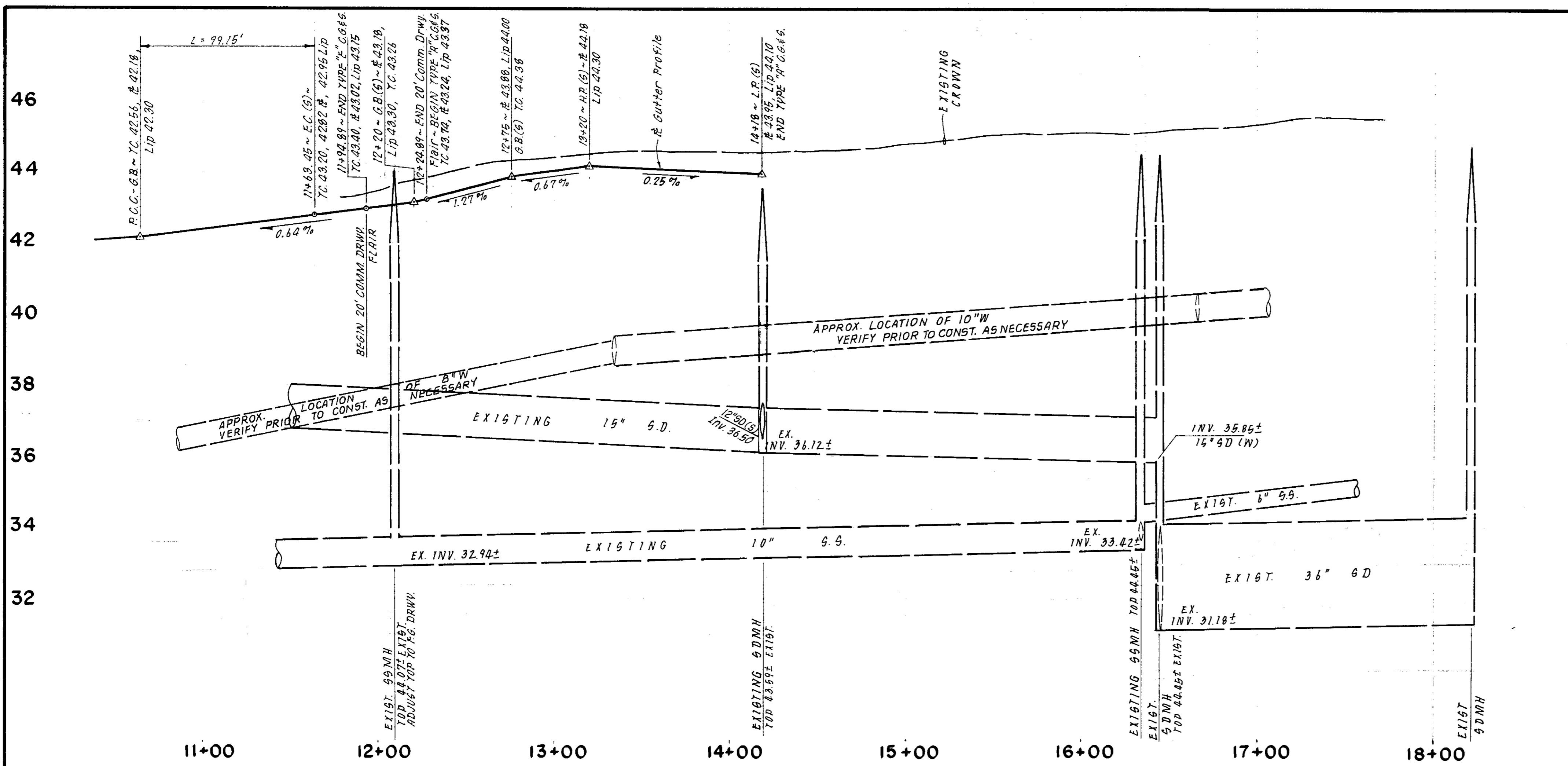
APPROVED BY: Henry M. Hirata RCE No. 21258
 _____, 19____
 SAN JOAQUIN COUNTY DIRECTOR OF PUBLIC WORKS

BAUMBACH & PIAZZA
 CIVIL ENGINEERS
 SURVEYORS
 323 W. ELM ST. Lodi, CALIF.
 93240 PH: 209-388-8818

AUGUSTA STREET

AUGUSTA STREET

SHEET **4** OF 7
 JOB NO. 9202
 FILE NO.

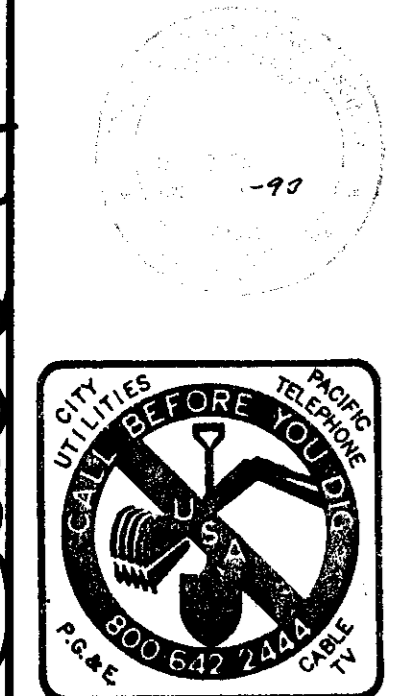


MORELUMNE STREET - SCHEDULE 1
SCALE: 1" = 8'

- SPECIAL NOTES FOR MOKELUMNE STREET**
1. East of Station 12+24.89, install Type "A" curb, gutter and sidewalk, West of Station 11+94.89, install Type "E" curb, gutter and sidewalk.
 2. Where Edge of Pavement (E.P.) is 13 feet from centerline, saw cut pavement 0.5 feet North of E.P. and build new structural section.
 3. Where E.P. is 23 feet from centerline, saw cut at 18 feet from centerline. Contractor option to build new structural section or deep lift with 6 inches of Asphalt Concrete.
 4. Pitch of lip of gutter (1.5") may vary by 0.5"± to maintain street X slope of 2% minimum/5% maximum, East of Station 13+00.

SCALE: 1" = 40' HORIZ.
1" = 2' VERT.

AS BUILT DRAWING:
JULY, 1993
Terry Piazza, R.C.E. 19638



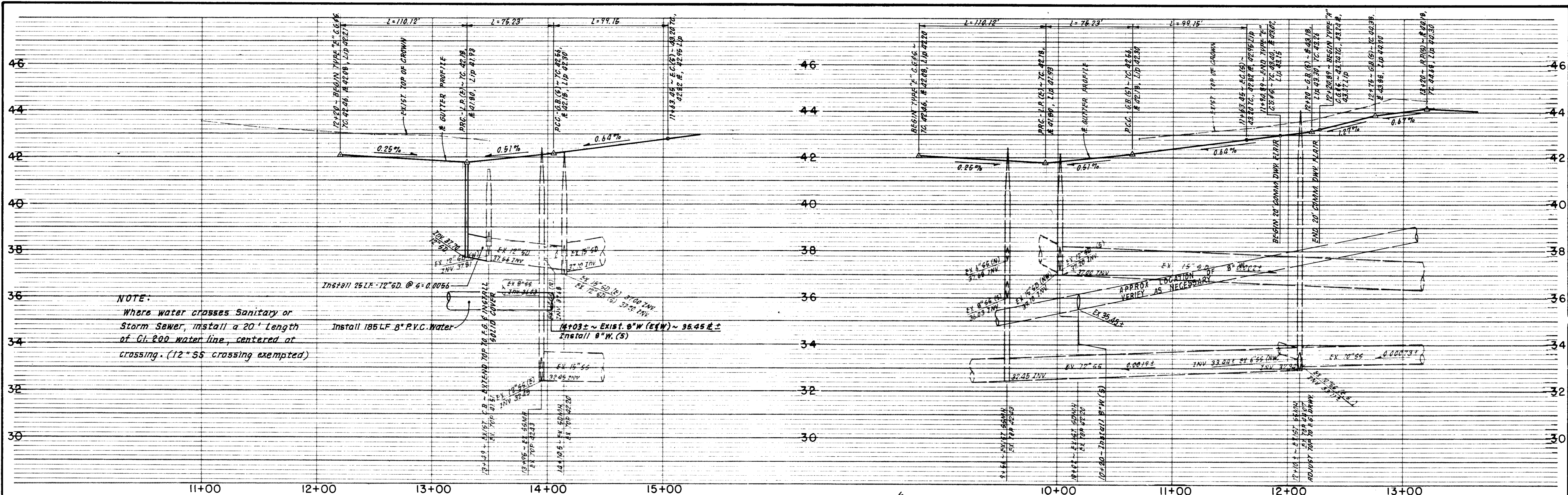
NO.	DATE	REVISIONS	BY	DESIGN	DRAWN

DESIGN: *Terry Piazza*
DRAWN: *G.R., R.L.S.*
SUBMITTED BY: *Terry Piazza*
R.C.E. 19638
EXP. DATE: 9-30-93
DATE: 6-17-92

APPROVED BY: Henry M. Hirata RCE No. 21258
19
SAN JOAQUIN COUNTY DIRECTOR OF PUBLIC WORKS

BAUMBACH & PIAZZA
CIVIL ENGINEERS
SURVEYORS
323 W. ELM ST. LODI, CALIF.
95240 PH: 209-368-6618

G-1012



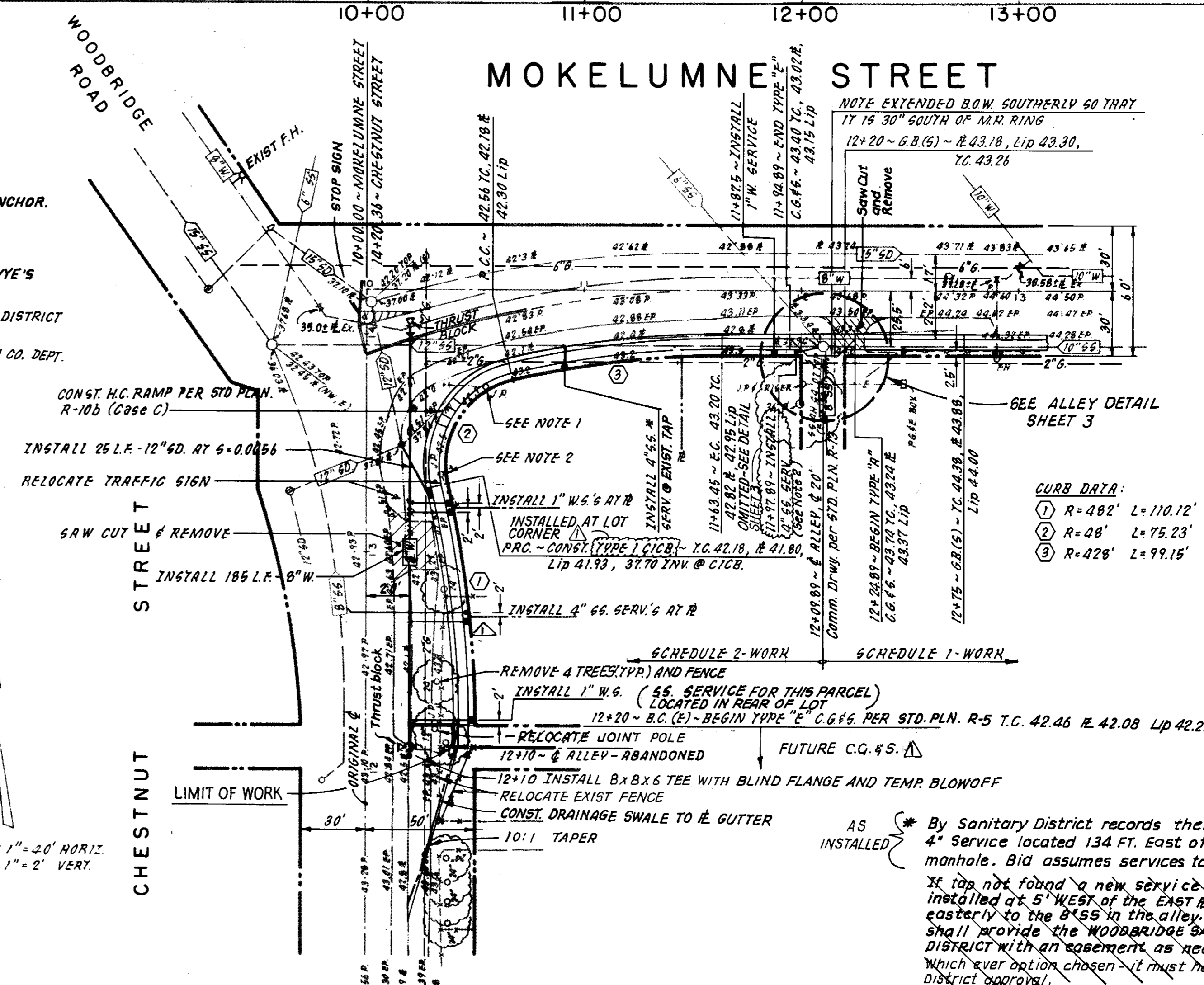
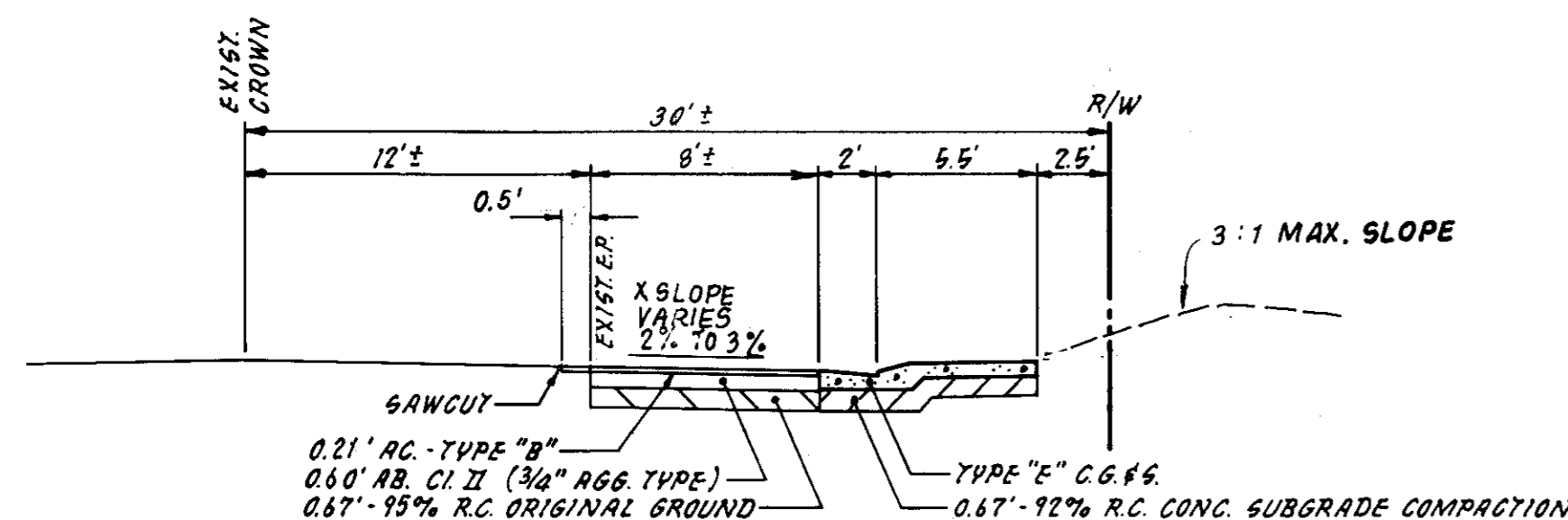
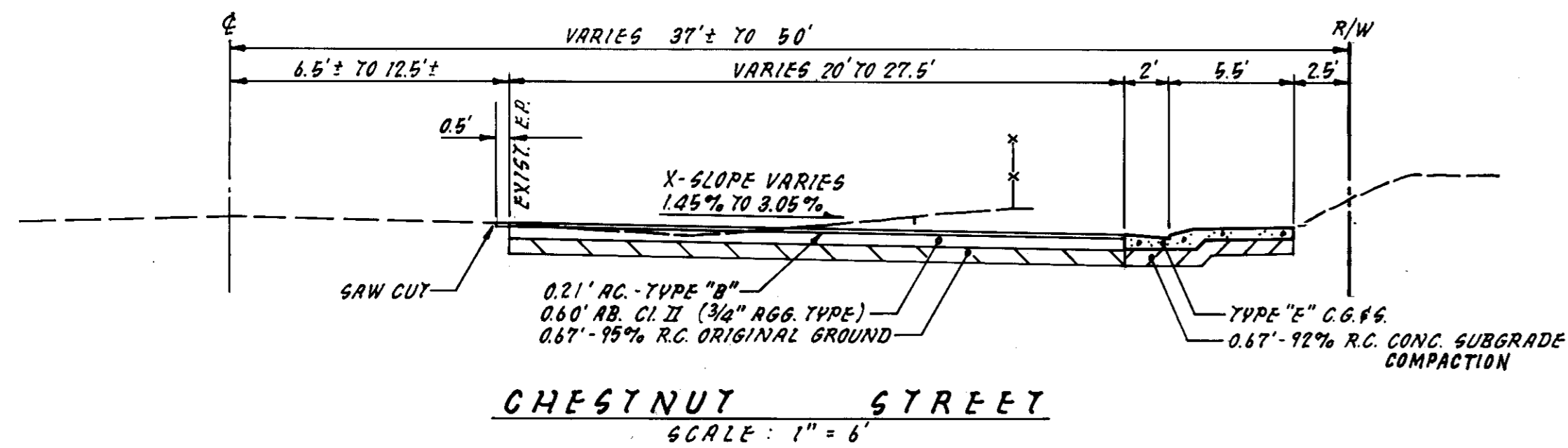
NOTE:
Where water crosses Sanitary or Storm Sewer, install a 20' Length of Cl. 200 water line, centered at crossing. (12" SS crossing exempted)

CHESTNUT STREET

MOKELUMNE STREET

NOTES:

- OWNER TO ARRANGE FOR RELOCATION OF JOINT POLE AND OR ANCHOR.
- FACE OF POLE IS 3.2' FROM RIGHT-OF-WAY. IF NECESSARY ADJUST CURB RADII'S TO MAINTAIN 4.5' FROM FACE OF POLE TO F.O.C.
- BY WOODBRIDGE SANITARY DISTRICT MAP THERE ARE SANITARY SEWER WYE'S AT 67.7 - 87.7 FT. SOUTH OF THE MANHOLE - USE IF FOUND.
- ALL WORK WOODBRIDGE SANITARY DISTRICT SEWER LINES REQUIRES DISTRICT INSPECTION.
- ALL WORK WITHIN THE PUBLIC RIGHT-OF-WAY REQUIRES SAN JOAQUIN CO. DEPT. OF PUBLIC WORKS ENCROACHMENT PERMIT
- ALL COMPLETION OF WORK, ALL STRIPPING SHALL BE REPAIRED AND TRENCH LINES SHALL BE FINISHED WITH A SLURRY SEAL UNLESS UNDERGROUND ON CHESTNUT AND MOKELUMNE IS DONE PRIOR TO SAN JOAQUIN COUNTY SLURRY SEAL CONTRACT.
- TREES TO BE REMOVED: 24" WALNUT, 24" COTTONWOOD, 12" WALNUT, & 18" WALNUT



As BUILT DRAWING:
July, 1993
Terry Piazza
Terry Piazza, R.C.E. 19638

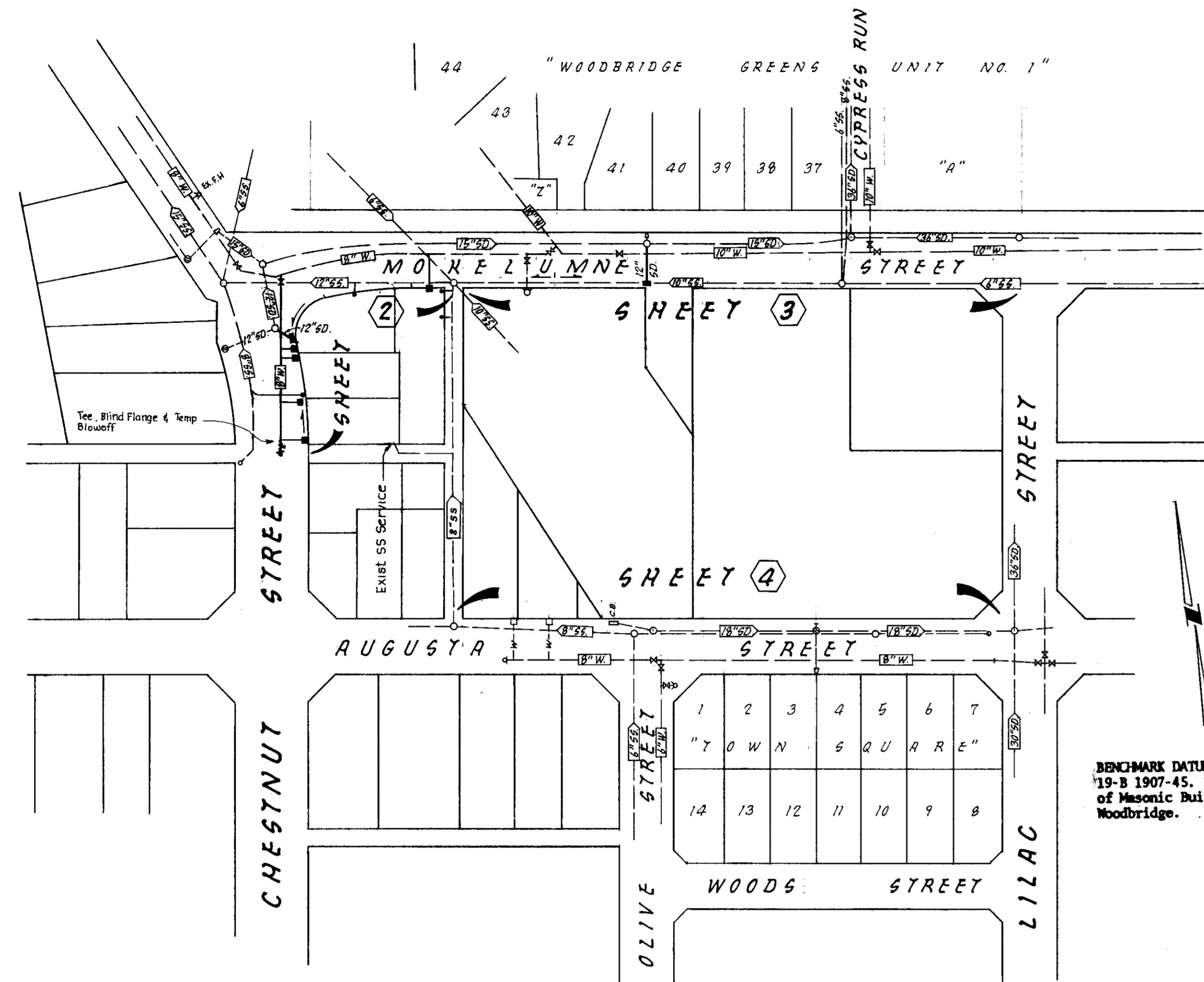
SCALE: 1" = 20' HORIZ.
1" = 2' VERT.

By Sanitary District records there is a 4" service located 134 FT. East of the manhole. Bid assumes services tap found. If tap not found a new service shall be installed at 5' WEST of the EAST # and run easterly to the 8"SS in the alley. Owner shall provide the WOODBRIDGE SANITARY DISTRICT with an easement as necessary, which ever option chosen - it must have prior district approval.

NO. 6-93	DATE 6-93	REVISIONS As Built	BY	DESIGN Y.P.	DRAWN BY R.L.S.	APPROVED BY: Henry M. Hirata RCE No. 21258	BAUMBACH & PIAZZA CIVIL ENGINEERS SURVEYORS 323 W. ELM ST. LODI, CALIF. 95240 PH: 208-368-6816	MOKELUMNE STREET CHESTNUT STREET	SHEET 2 OF 7 JOB NO 7151, 9202 FILE NO.
SUBMIT DATE 6/17/93		DATE 6/17/93	SAN JOAQUIN COUNTY DIRECTOR OF PUBLIC WORKS		19	EXP. DATE 9-30-93 DATE 6/17/93			

GENERAL NOTES

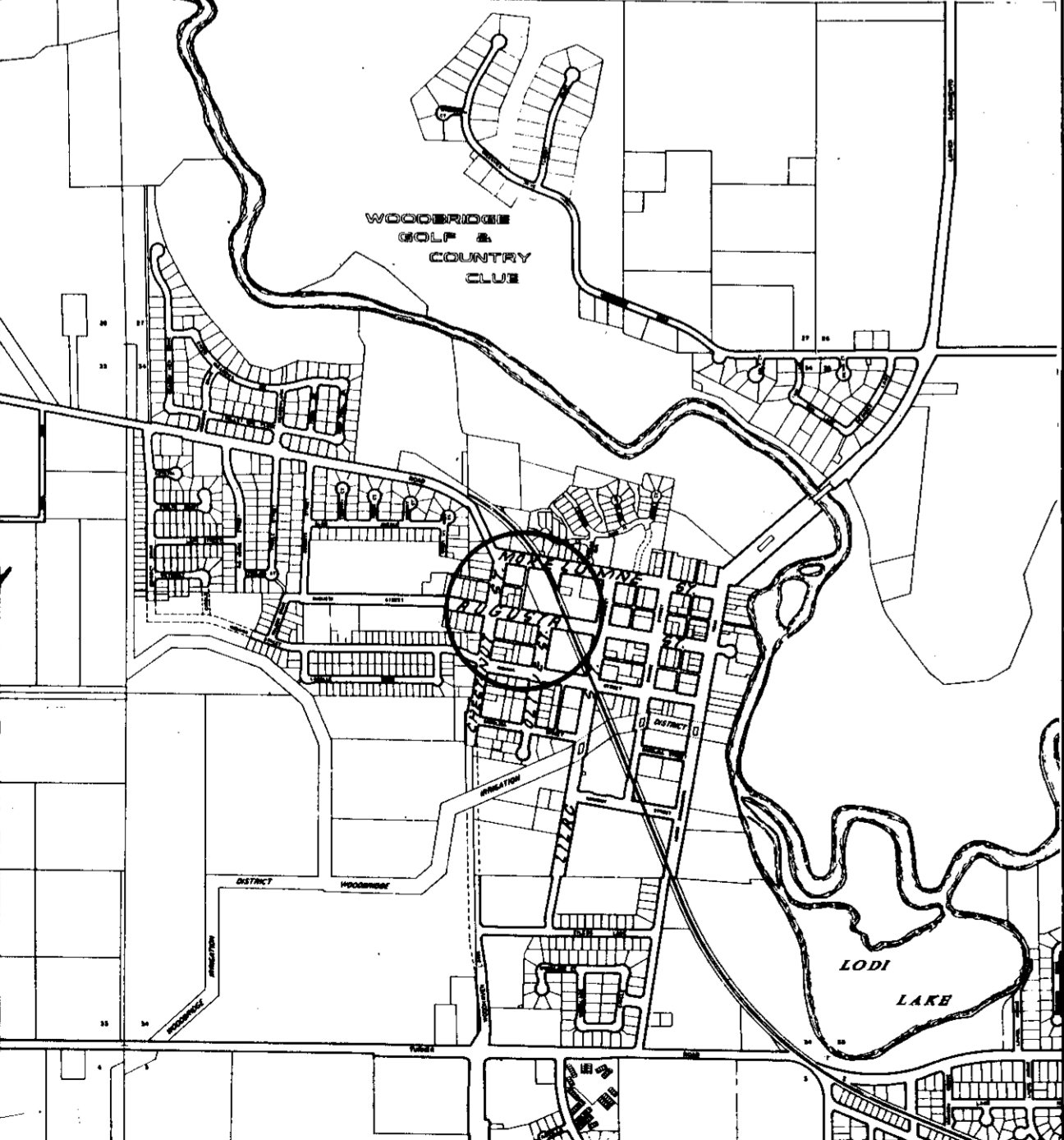
- All work shall conform to these plans and any special provisions for this project.
- Baumbach & Piazza (Engineer) shall set all survey controls and construction stakes necessary for completion of work. The Contractor shall be responsible for the preservation of all survey and construction stakes. Survey and construction stakes that are lost or destroyed due to Contractor's negligence will be set by the Engineer at the Contractor's expense.
- 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.
- House services shall be installed prior to curb and gutter construction. All underground utilities within the street area shall be installed prior to paving.
- All manholes to be set flush with the finish grade unless otherwise indicated.
- 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 give Engineer a minimum of 48 hours notification prior to staking any utilities.
- Sanitary sewer services shall be marked by the curb & gutter contractor with an "S" stamped on the top of curb.
- Water services shall be marked by the curb and gutter Contractor with a "W" stamped on the top of curb. Location of water markings shall be verified in the field by the Engineer.
- 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. Contractor shall be responsible for notifying and coordinating 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.
- Where water crosses SD or SS use an 18-20 ft. length of C.I. 200 pipe, centered over the SS or SD (if a) the water is under the SS or SD. b) The vertical clearance is less than 1 foot.
- 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 48 hours in advance of commencement of work.
- Each SS service to have C.D. at property line.
- 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 or 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 the roadway, 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. (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, Cl. 111; Sanitary Sewer (SS) - PVC, per ASTM D3034, SDR35; Water (W) - PVC, Cl. 150 or greater per AWWA Std. C-900 or ACP, Cl. 150 or greater per ASTM C296, Type II.
- All traffic signs and markings shall conform to San Joaquin County Standards and to the "Manual of Uniform Traffic Control Devices".
- 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.
- All materials used as sanitary sewer system must have written approval from the District Engineer prior to installation.
- Thrust blocks to be placed as required by County Standard Drawing W-8.
- Where as referred to Standard Plan it means San Joaquin County Standard Drawing.



BENCHMARK DATUM per U.S.G.S B.M. 19-B 1907-45. Location N.W. corner of Masonic Building in the town of Woodbridge. Elevation: 45.85 per F.E.M.A.

KEY MAP
SCALE: 1" = 100'

VICINITY MAP
NO SCALE



- SERVICES**
- Sewage - Woodbridge Sanitary District
 - Natural Gas & Electric - P. G. & E.
 - Telephone - Pacific Bell
 - Television Cable - Lodi Cable T. V.
 - Water - Mokelumne Acres Maintenance district
 - Storm Drainage - Mokelumne Acres Maintenance district

- LEGEND**
- C.I.C.B. or L.P. - Curb Inlet Catch Basin
 - H.P. - High Point
 - T.C. - Top of Curb
 - Flowline - Flowline
 - S.D. - Storm Drain Line Indicating Direction of Flow
 - S.S. - Sanitary Sewer Line Indicating Direction of Flow
 - W. - Water Line
 - F.H. - Fire Hydrant
 - S.L. - Street Light
 - Existing Manhole
 - Water Valve
 - M - Property Line & Right of Way Line (R/W)
 - G - Gas Line
 - q - Blowoff (B.O.)

RECORD DRAWING

Corrected by T. PIAZZA
No Changes By
Date 8-15-93
Any Person Using This Drawing Should Verify All Information By Inspecting The Site (If Work)

NOTE:
Woodbridge Sanitary District Fees shall be paid by effected owner prior to any sewer work.

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.

SHEET INDEX

- ① KEY SHEET, QUANTITIES & GENERAL NOTES
- ② ③ ④ PLAN & PROFILE
- ⑤ ⑥ CONSTRUCTION DETAILS
- ⑦ CONSTRUCTION SPECIFICATIONS

APPROVED BY

Henry M. Hirata
CHIEF, WOODBRIDGE SANITARY DISTRICT
DATE 6-22-92

Robert J. Golden
ENGINEER, WOODBRIDGE SANITARY DISTRICT
DATE 6-22-92

NO.	DATE	REVISIONS	BY

DESIGN BY Y.P. DRAWN BY R.L.S.
APPROVED BY: HENRY M. HIRATA R.C.E. NO. 21258
DATE: July 23, 1992 EXP. DATE: 7/31/93
SUBMITTED BY: Henry M. Hirata
R.C.E. 19,838 DATE 6/17/92
SAN JOAQUIN COUNTY DIRECTOR OF PUBLIC WORKS

BAUMBACH & PIAZZA
CIVIL ENGINEERS
SURVEYORS
323 W. ELM ST. LODI, CALIF.
95240 PH: 209-388-8818

KEY SHEET

MOKELUMNE, CHESTNUT, & AUGUSTA STREET
STREET IMPROVEMENTS

SHEET ① OF 7
JOB NO. 9151, 9202
FILE NO.