



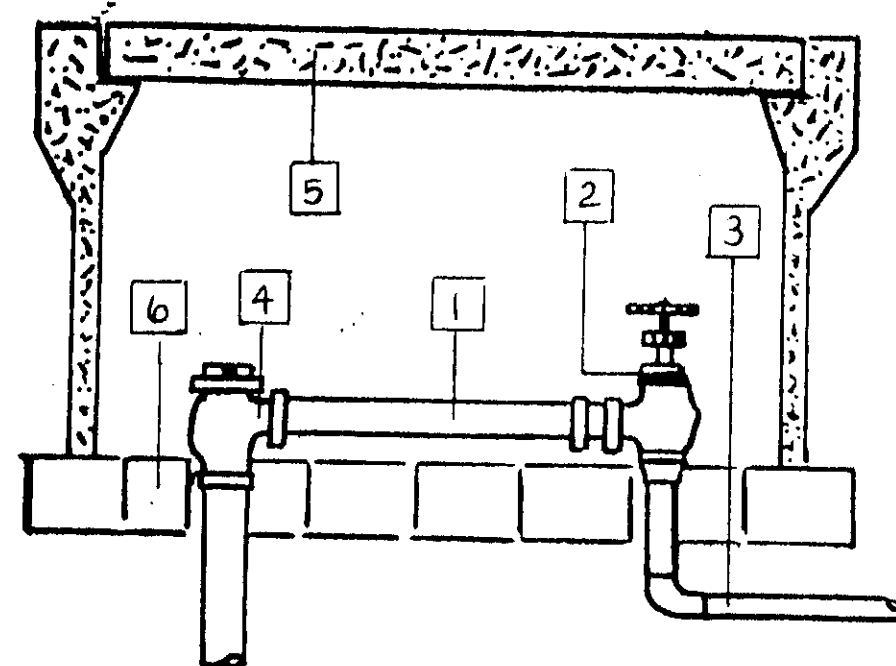


# LOCKEFORD COMMUNITY SERVICE DISTRICT

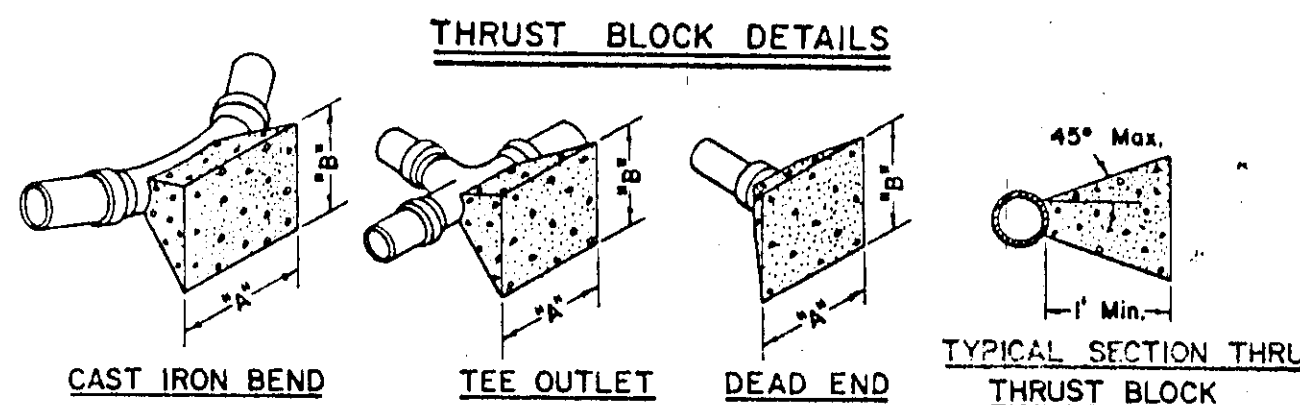
## SPECIAL WATER SERVICE DETAIL

ORDINANCE 79-1 Section 5. WATER SERVICE REGULATIONS Paragraph d. and f.

- d. All construction work shall be inspected by an inspector acting for the District to insure compliance with all requirements of the District. No work shall be covered at any point until it has been inspected and passed for acceptance. No work shall be connected to the District's facilities until the work covered by the permit has been completed, inspected, and approved by the inspector. If the test proves satisfactory, the Manager shall issue a certificate of satisfactory completion.
- f. It shall be the duty of the person doing the work authorized by permit to notify the Manager that said work is ready for inspection. It shall be the duty of the person doing the work to ensure that the work will pass the tests required by the District before giving the above notification.



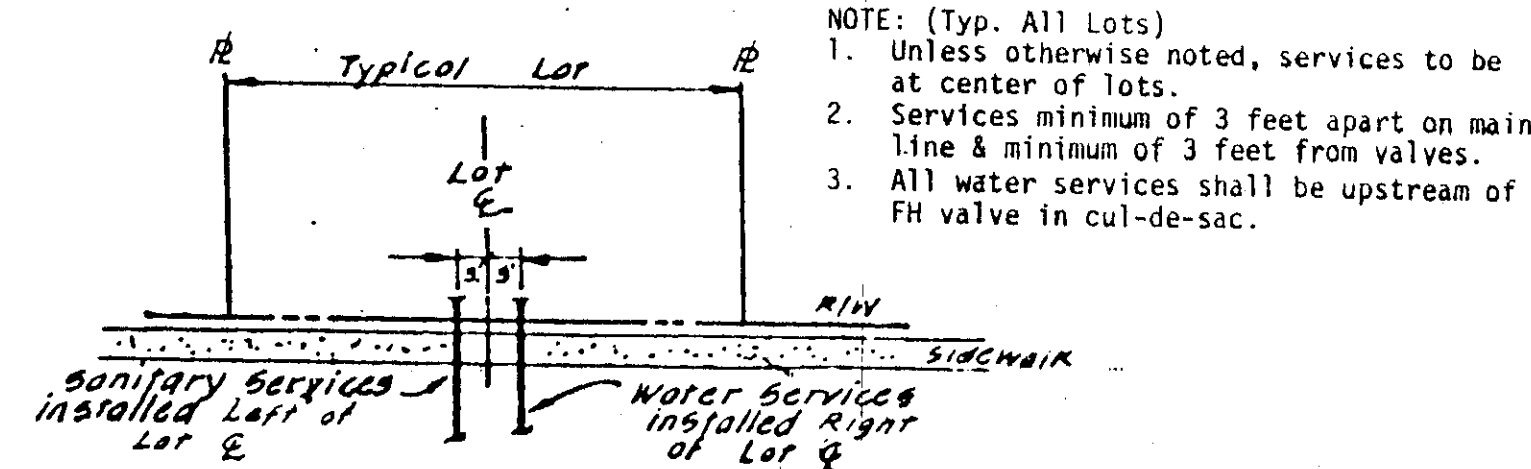
- 1"x6" galv. nipple
2. Brass Gate Valve
3. Customer Line
4. Shut off valve
5. Christy Box B-12 w/Cono. Lid WATER
6. Support with Brick



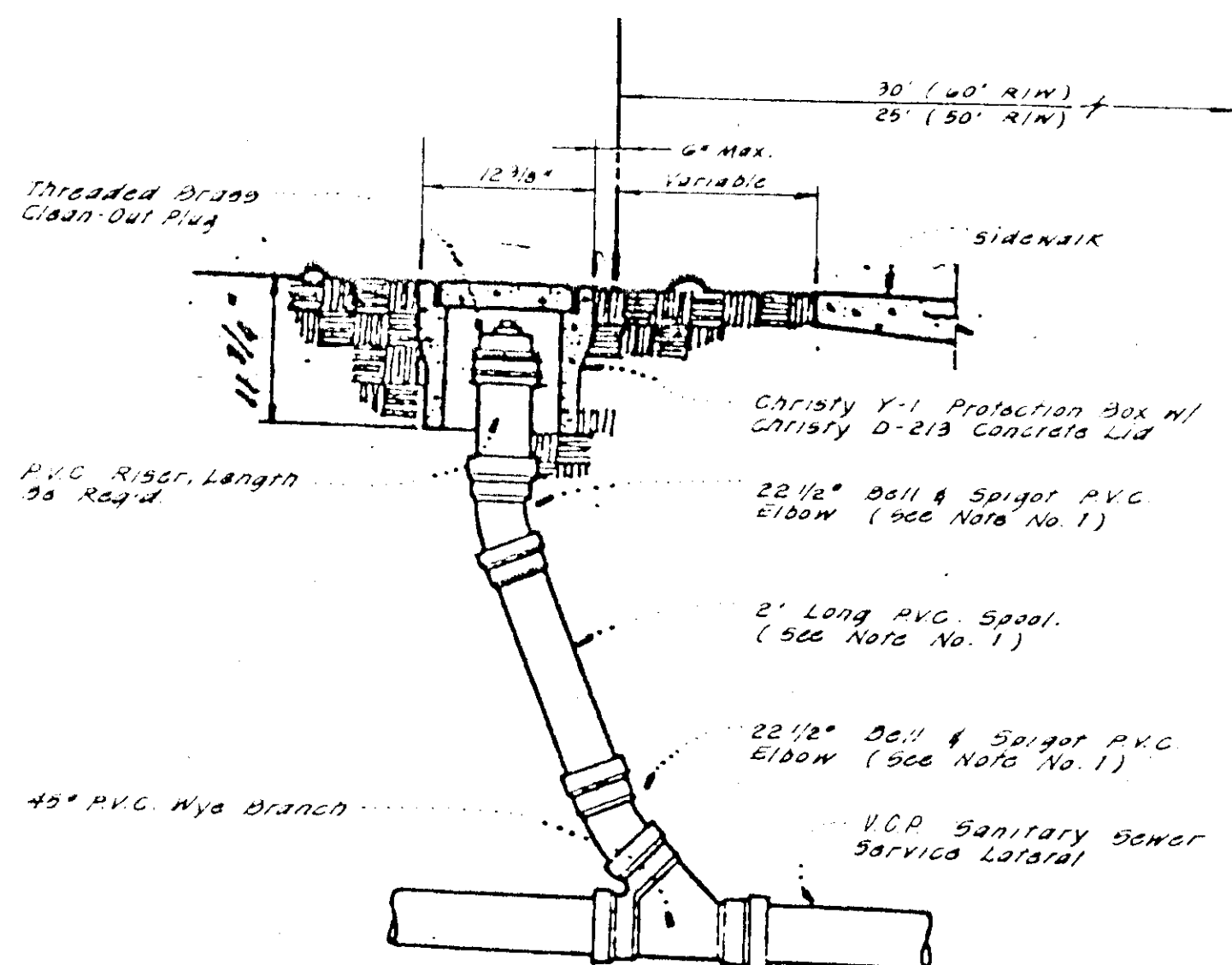
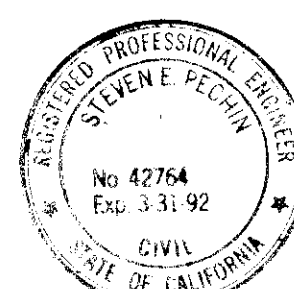
| THRUST BLOCK DIMENSIONS |       |       |            |       |       |
|-------------------------|-------|-------|------------|-------|-------|
| FITTINGS                | "A"   | "B"   | FITTINGS   | "A"   | "B"   |
| 6" LINE                 |       |       | 10" LINE   |       |       |
| 22 1/2"                 | 1'-6" | 1'-6" | 22 1/2"    | 3'-0" | 2'-0" |
| 45°                     | 2'-0" | 2'-0" | 45°        | 4'-0" | 3'-0" |
| 90°                     | 3'-0" | 2'-6" | 90°        | 5'-6" | 4'-0" |
| TEE OUTLET              | 3'-0" | 2'-0" | TEE OUTLET | 4'-0" | 4'-0" |
| DEAD END                | 3'-0" | 2'-0" | DEAD END   | 4'-0" | 4'-0" |
| 8" LINE                 |       |       | 12" LINE   |       |       |
| 22 1/2"                 | 2'-0" | 2'-0" | 22 1/2"    | 3'-0" | 3'-0" |
| 45°                     | 3'-0" | 2'-6" | 45°        | 4'-6" | 4'-0" |
| 90°                     | 4'-0" | 3'-6" | 90°        | 5'-0" | 4'-0" |
| TEE OUTLET              | 3'-6" | 3'-0" | TEE OUTLET | 5'-6" | 4'-0" |
| DEAD END                | 3'-6" | 3'-0" | DEAD END   | 5'-6" | 4'-0" |

- NOTES: 1. All 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.

### THRUST BLOCK DETAILS



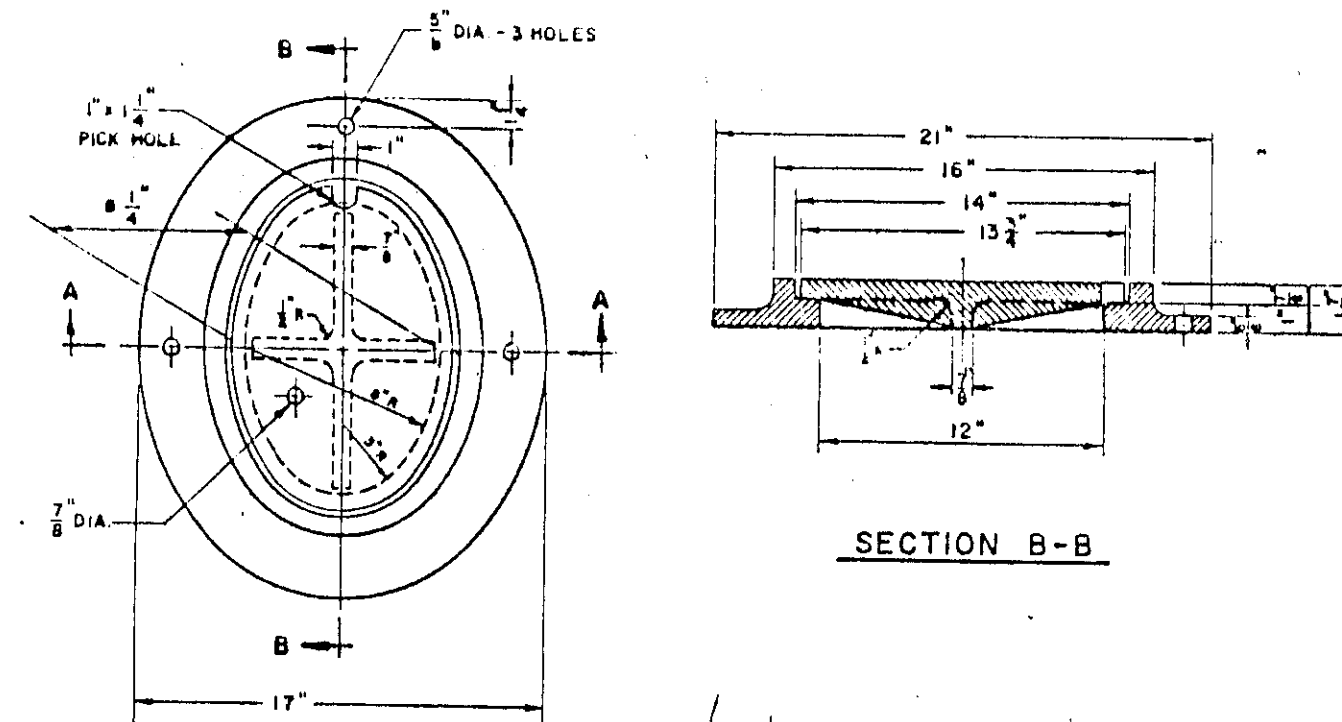
## SS & W SERVICES TYPICAL LOT



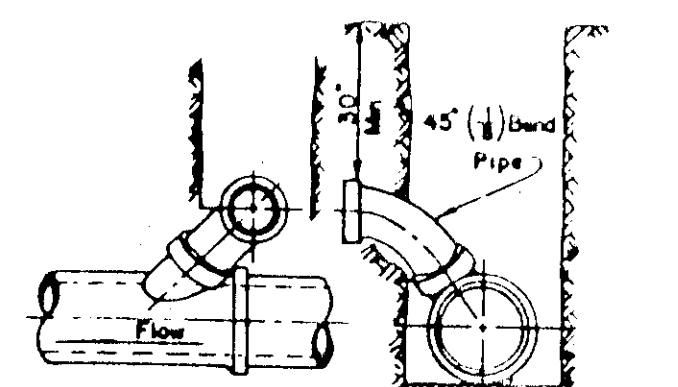
## SERVICE LATERAL CLEAN-OUT

### NOTES:

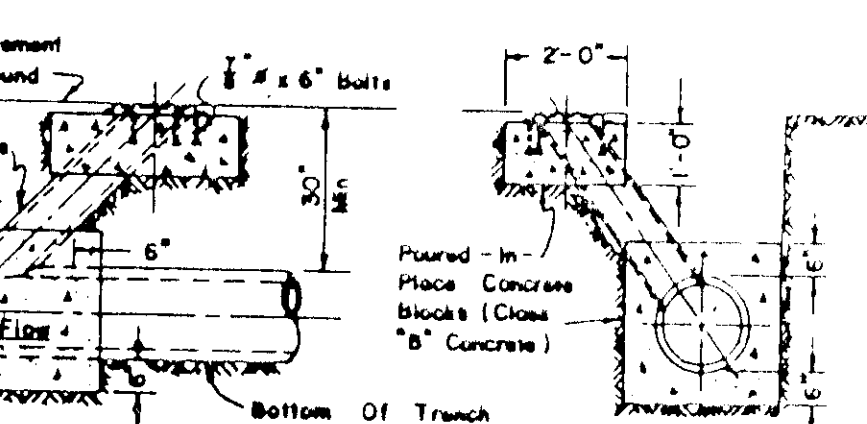
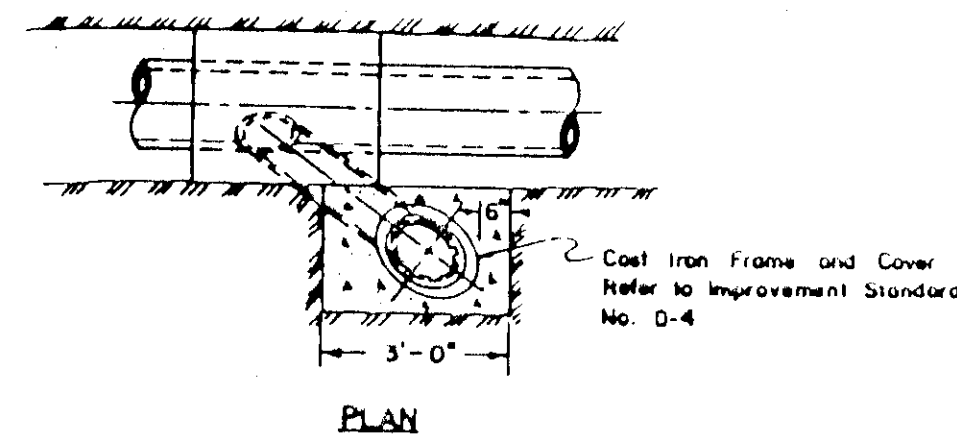
1. Contractor may substitute long-radius P.V.C. bend, if available, for the two 22 1/2" elbows and 2" spool.
2. Cleanouts shall be installed on all sewer service laterals at the edge of the right of way as shown.
3. Cleanout riser and fittings shall be Polyvinyl Chloride (P.V.C.) pipe conforming to ASTM D 3034 - SDA 35 with rubber rings meeting the requirements of ASTM D - 3212.
4. Cleanout riser and fittings shall be of the same diameter pipe as the service lateral.



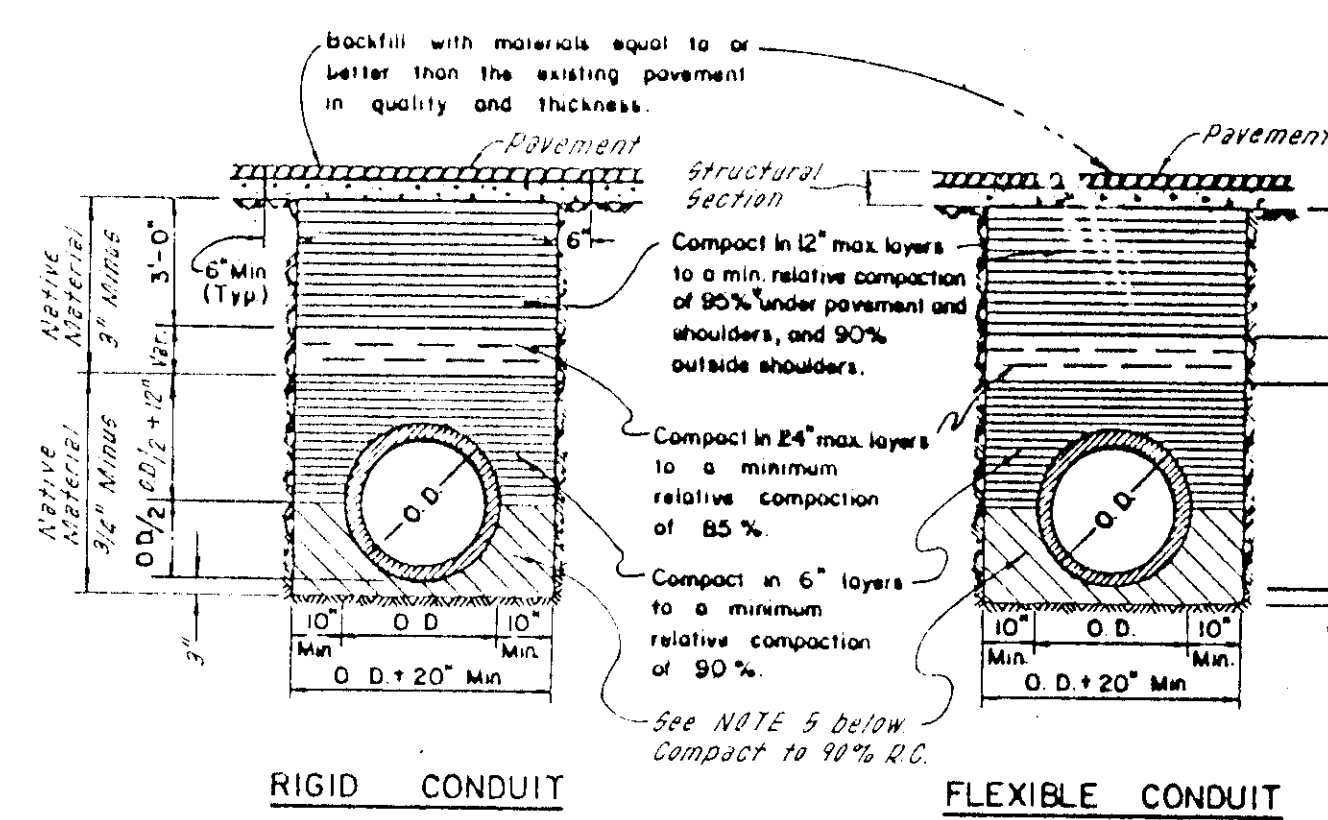
## FRAME & COVER (SANITARY SEWER LAMPHOLE)



### TYPICAL "Y" JOINT SERVICE CONNECTION



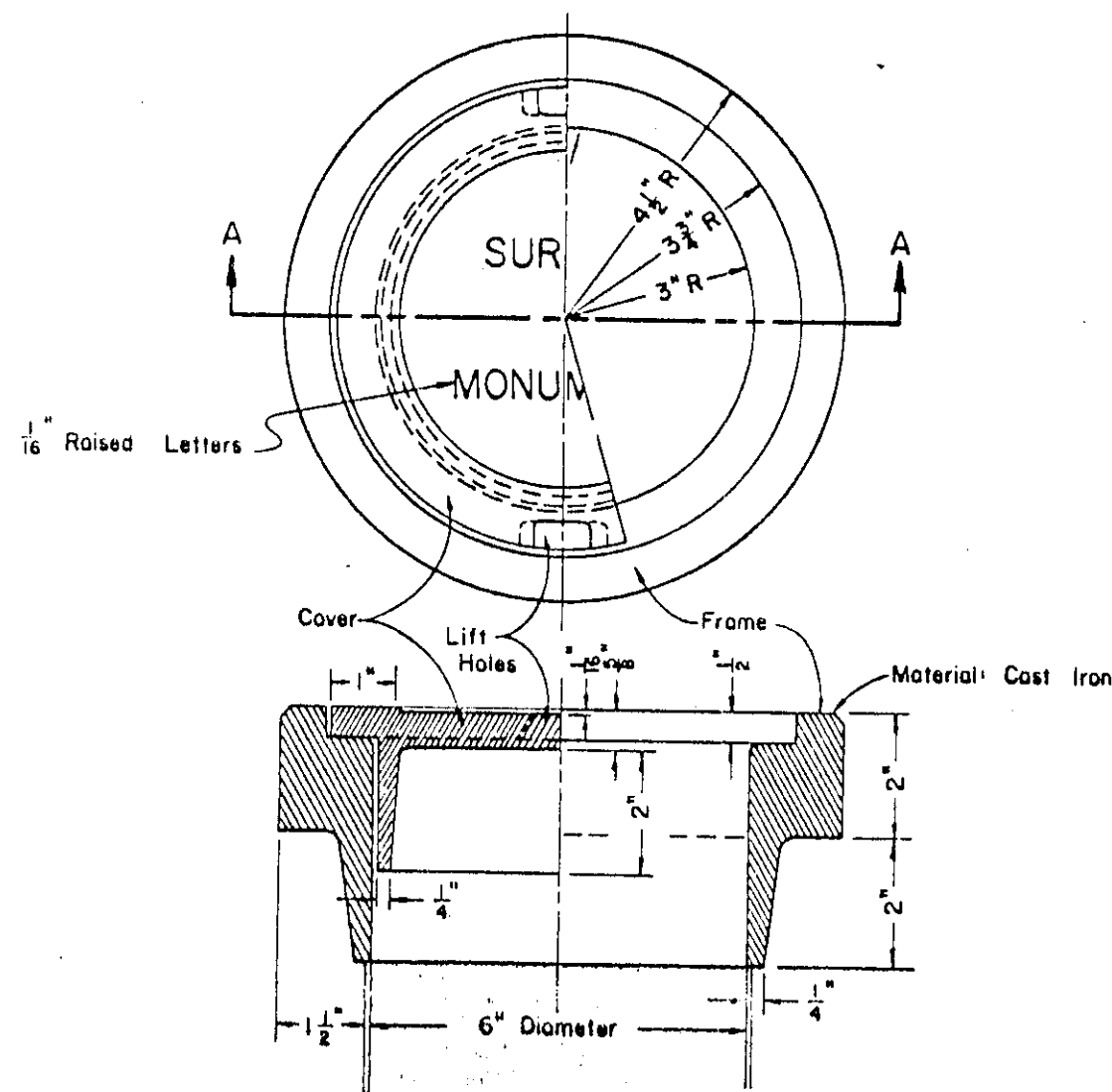
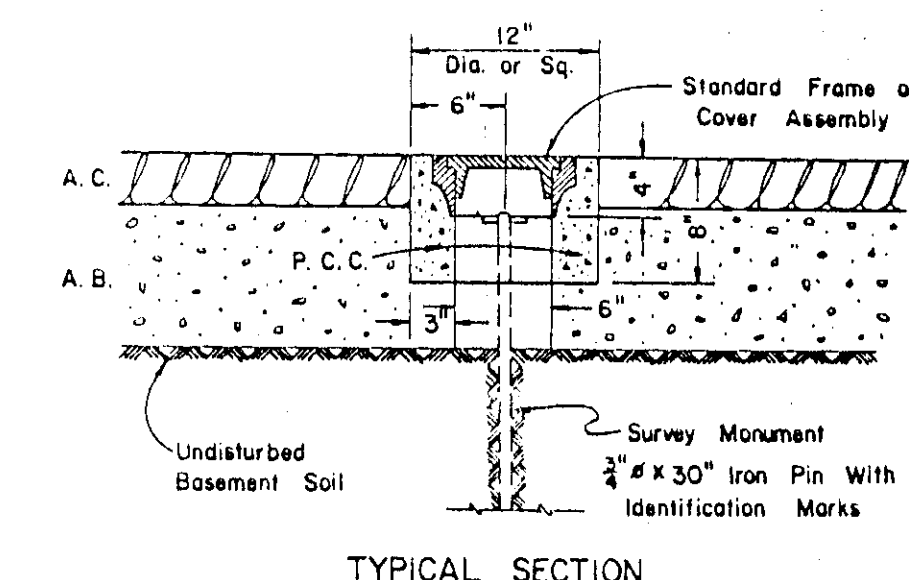
## TYPICAL SANITARY SEWER DETAILS



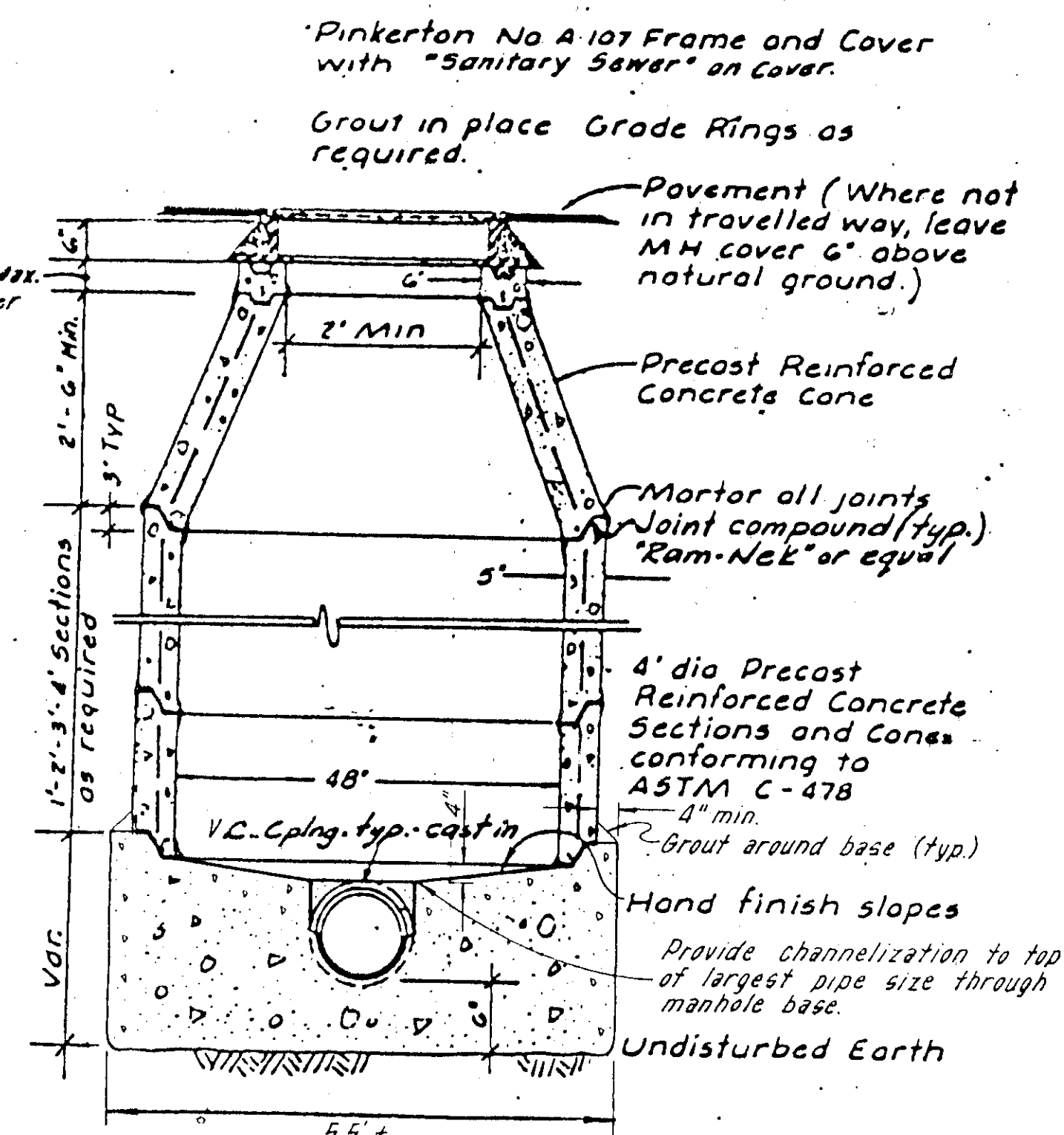
### NOTES:

1. Relative compaction of materials shall be tested by the State of California, Dept. of Transportation Testing Manual, test method No. California 216 or 231.
2. All existing pavement shall be neatly cut to line prior to trench excavation.
3. Setting or bedding will be permitted within the 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. For trenching & bedding see L.C.D. SPECIFICATIONS SEC. 76.03 (PAGE 76-10)

## TYPICAL TRENCH DETAIL



## SURVEY MONUMENT FRAME & COVER ASSEMBLY



Note: 1) Use Class "B" concrete for all sections.

## SANITARY SEWER MANHOLE

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

DETAIL SHEET

GOODEN PARK  
SUBDIVISION IMPROVEMENTS

SHEET 3 OF 4  
JOB NO. 8918  
FILE NO.

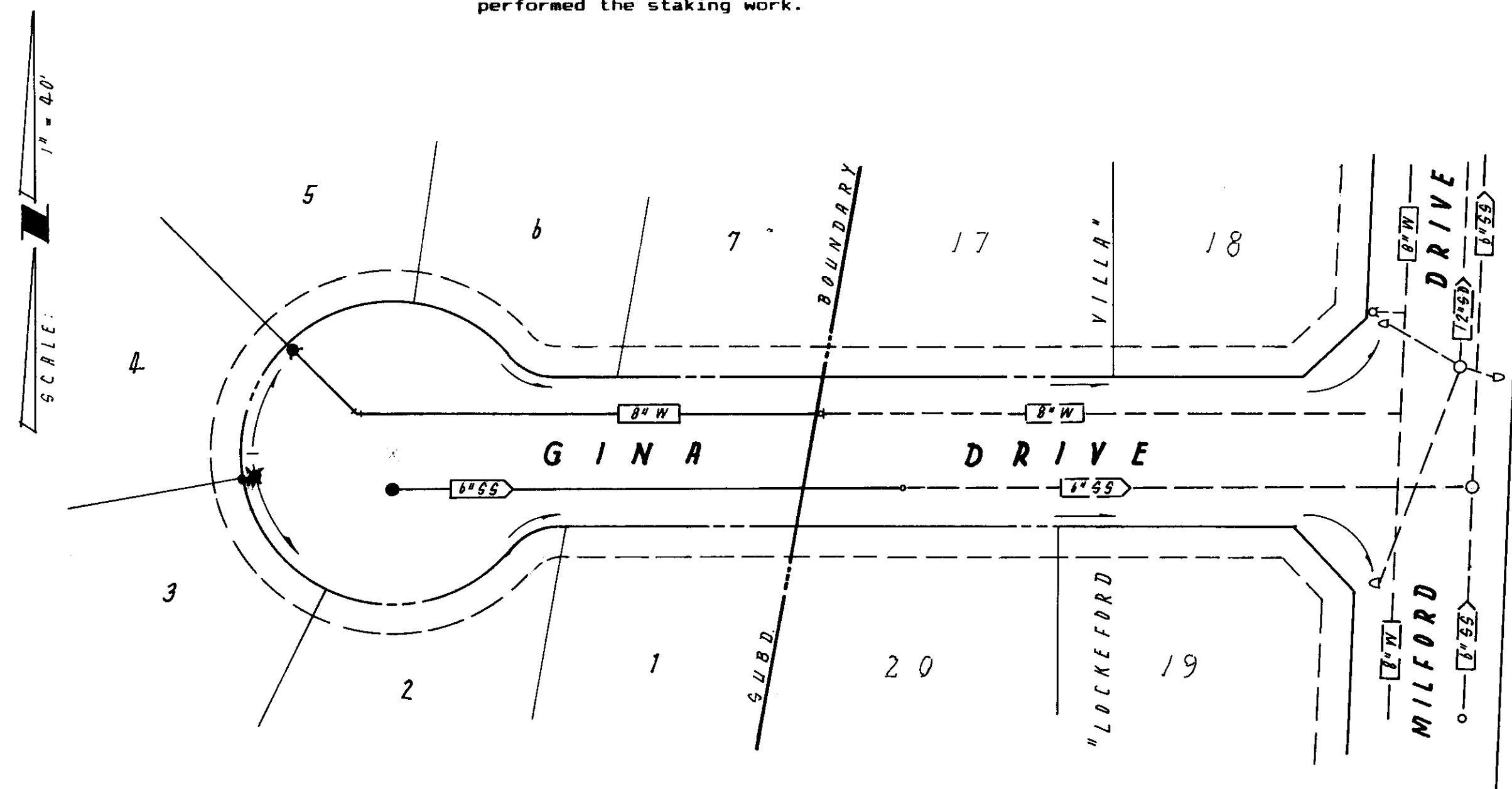
G-912





## 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.

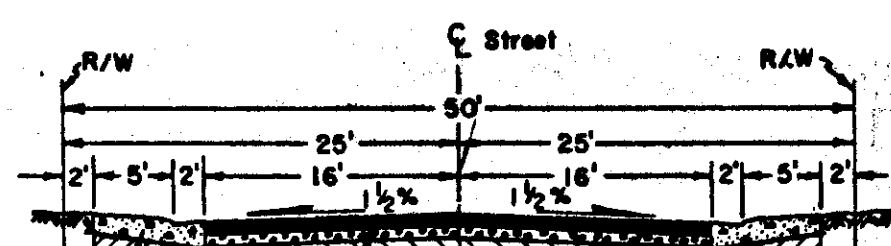


## KEY MAP

SCALE: 1" = 40'

## STRUCTURAL SECTION

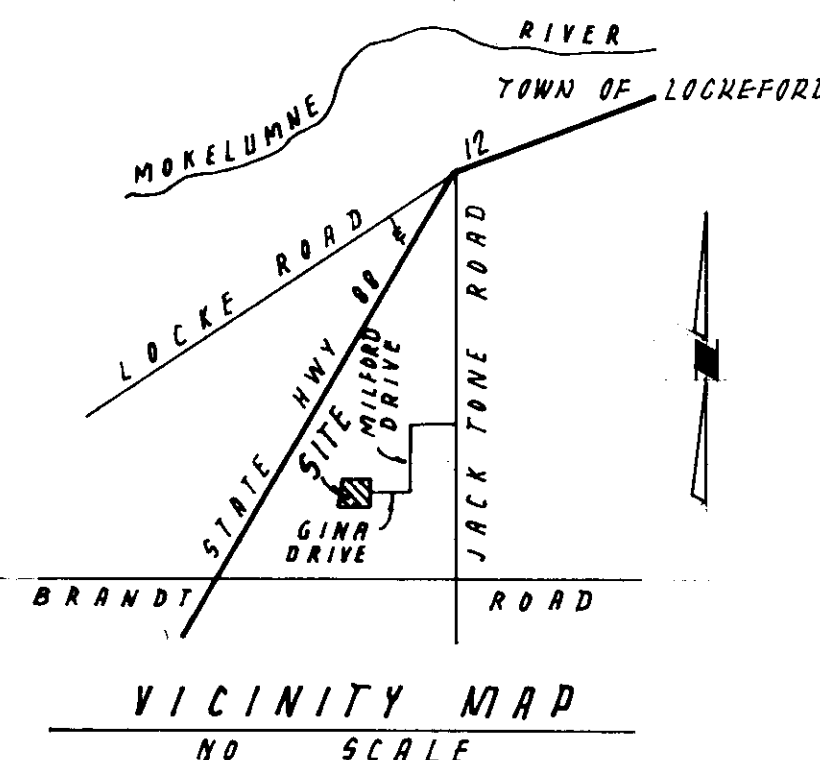
Scale: NONE



Beveled Type C.G.G. 6"  
0.61 Conc. Subgrade Compaction @ 92% R.C.  
Prime Coat  
0.20' A.C., TYPE "B" - 1/2" Max. Aggregate  
0.55' A.B., CLASS II - 3/4" Max. Aggregate  
0.50' Min. Original Ground @ 15% R.C.

## GINA DRIVE

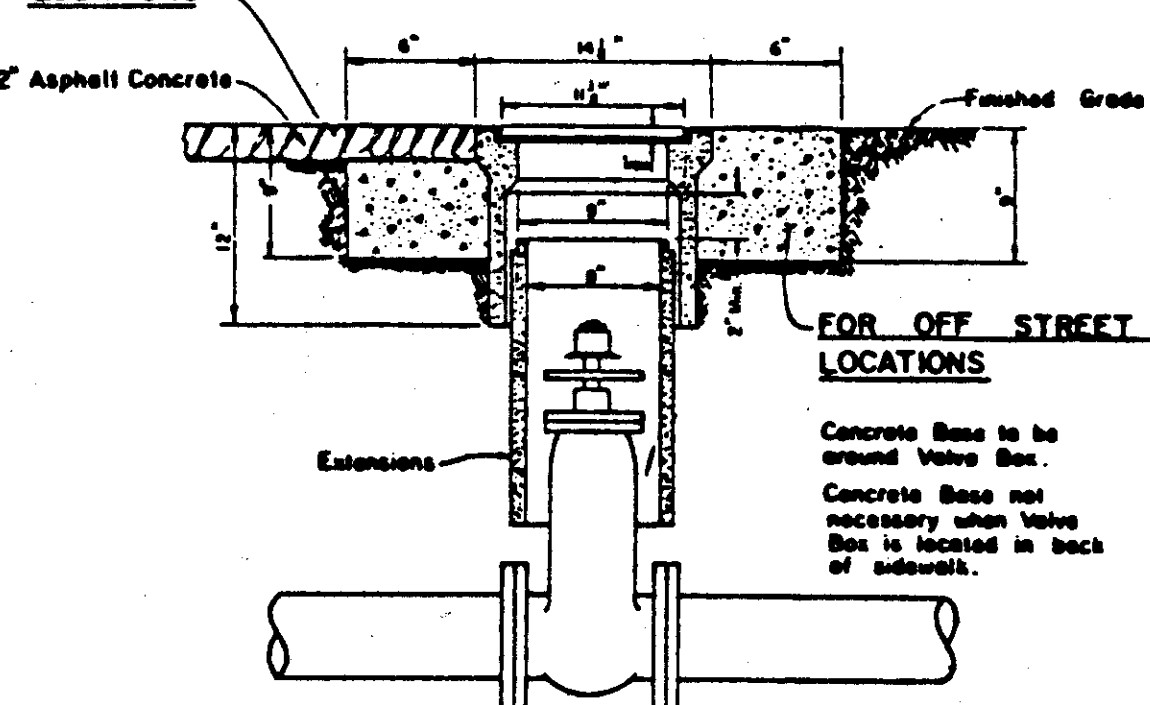
R-VALUE = 5, T.I. = 3.5, G.E. REQUIRED = 1.06, G.E. PROVIDED = 1.10



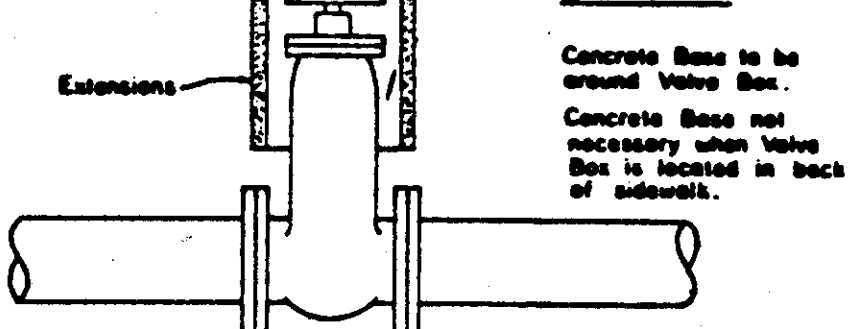
## VICINITY MAP

NO SCALE

## FOR ALL STREET LOCATIONS



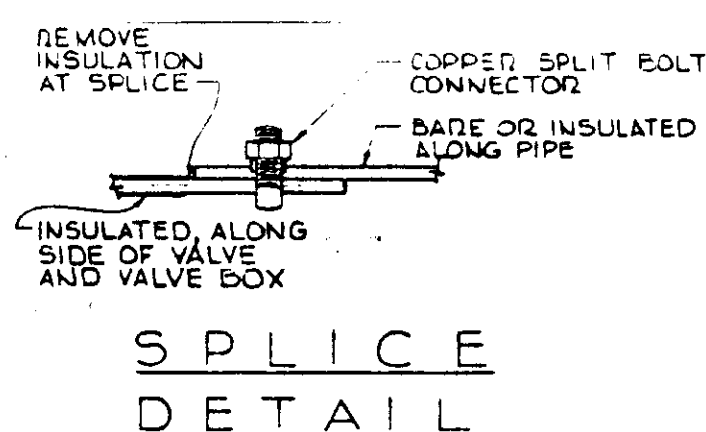
## FOR OFF STREET LOCATIONS



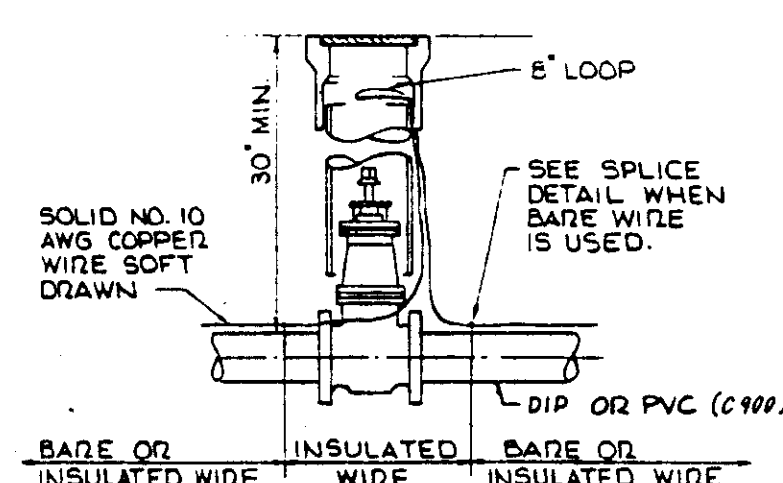
- See Sheet 10 of Specifications for Tracer Wire.
- Valve box and Lid shall be Christy No. 65, Brooks M1RT or 4-TT, or equal.
- All Lids and Gage Rings shall have machined seating surfaces.
- Extensions shall be as manufactured for the Valve Box supplied or Pipe of correct size can be used.

## VALVE

## BOX



## SPICE DETAIL



## INSTALLATION AT VALVE BOX

NO SCALE

## CONSTRUCTION QUANTITIES

## STREET SYSTEM

| Item  | Quantity   |
|---|------------|
| Roadway Excavation                              | 50 C.Y.    |
| Roadway Fill                                    | 270 C.Y.   |
| Compact Original Ground                         | 8,650 S.F. |
| 0.20' Asphalt Concrete, Type "B" and Prime Coat | 8,650 S.F. |
| 0.55' Aggregate Base, Cl. 2                     | 8,650 S.F. |
| Beveled Type Curb, Gutter & Sidewalk            | 426 L.F.   |
| Concrete Subgrade Compaction                    | 2,982 S.F. |
| Monument Box                                    | 1 Each     |
| Street Light                                    | 1 Each     |
| Remove Barricade                                | 1 Each     |

## SANITARY SEWER SYSTEM

|                        |          |
|------------------------|----------|
| 6" Sanitary Sewer      | 171 L.F. |
| Sanitary Sewer Manhole | 1 Each   |
| 4" Sanitary Service    | 7 Each   |

## WATER SYSTEM

|                       |          |
|-----------------------|----------|
| 8" Water              | 155 L.F. |
| Fire Hydrant Assembly | 1 Each   |
| 1" Water Service      | 7 Each   |

## SERVICES

|                        |                                       |
|------------------------|---------------------------------------|
| Street Lights          | Lockeford Maintenance District        |
| Sewage                 | Lockeford Community Services District |
| Natural Gas & Electric | P. G. & E.                            |
| Telephone              | Pacific Bell                          |
| Television Cable       | None                                  |
| Water                  | Lockeford Community Services District |
| Storm Drainage         | Lockeford Maintenance District        |

## LEGEND

|                        |  |
|------------------------|--|
| S.I.C.B. or            | Side Inlet Catch Basin   |
| L.P.                   | Low Point  |
| H.P.                   | High Point   |
| T.C.                   | Top of Curb  |
| C.O.T.G.               | Clean Out to Grade   |
| S.D.                   | Storm Drain Line Indicating Direction of Flow                            |
| S.S. (VCP, ASTM C-700) | Sanitary Sewer Line Indicating Direction of Flow                         |
| W. (PVC - CL 150)      | Water Line   |
|                        | Fire Hydrant   |
|                        | Street Light (No Watt High Pressure Sodium Vapor 120 Volt Sch. L.S. 1-E) |
|                        | Blow-off   |
|                        | Air Release Valve  |
|                        | Water Valve  |
|                        | Direct Inlet Catch Basin   |
|                        | Side Inlet Catch Basin   |
|                        | Manhole  |
|                        | Reducer  |
|                        | Street Sign  |
|                        | Drainage Slope   |

## SHEET INDEX

|   |                |
|---|----------------|
| 1 | KEY SHEET      |
| 2 | PLAN & PROFILE |
| 3 | DETAILS        |
| 4 | GRADING PLAN   |

## APPROVED BY

|                                       |          |
|---------------------------------------|----------|
| Lang L. Miller                        | 11-21-89 |
| MORELUME FIRE DISTRICT                | DATE     |
| Donald V. Goshing                     | 12-14-89 |
| LOCKEFORD COMMUNITY SERVICES DISTRICT | DATE     |
| James R. Miller                       | 10-27-89 |
| SAN JOAQUIN COUNTY FIRE MARGINAL      | DATE     |
| James R. Miller                       | 10-27-89 |
| SAN JOAQUIN LOCAL HEALTH DISTRICT     | DATE     |

## GENERAL NOTES

- All work shall conform to these plans and any special provisions for this project.
- Refer to the final map of this subdivision for all center line and property line data.
- Contractor shall receive an approved set of plans and specifications prior to beginning construction.
- 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., and Lockeford Community Services District, U.S.A. (800) 642-2444.
- House services, fire hydrant laterals, and street light conduit shall be installed prior to curb and gutter construction. All underground utilities within the street area, including gas and telephone lines, 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, 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. SEE ALSO NOTE 31.
- Contractor shall give Engineer a minimum of 48 hours notification prior to staking any utilities.
- Lot grading shall be completed before starting any underground construction. Refer to attached grading plan.
- 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 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 waterline.
- Contractor shall visit site prior to bidding. Specifications are a separate document.
- 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 a 20 ft. length of Cl. 200 pipe, centered over the SD or SS if: a) The water is under the SD or SS. b) The vertical clearance is less than 1 foot. Applies to catch basins also.
- 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. SEE NOTE 30.
- 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.
- Fire hydrant bid shall include the following: Tee, 6" Lateral, 6" Valve and complete fire hydrant assembly.
- Pipe type and strengths allowed for underground utilities, unless otherwise specified on plans, are as follows: Storm Drain (SD) - No SD on this project; Sanitary Sewer (SS) - VCP, Extra Strength per ASTM Std. C-700; Water (W) - PVC, Cl. 150 or greater per ASTM Std. C-900 (PVC, Cl. 150 may be used for W, with special approval of District).
- Any changes to the approved Improvement Plans and Specifications must be prepared and certified by the "Civil Engineer" and shall be approved by "Director" prior to implementation.
- The street light system shall be installed by Pacific Gas and Electric Company.
- All existing irrigation lines within the right of way shall be removed.
- Sanitary sewer services shall be marked by the curb and 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.
- No materials resulting from tapping procedures may enter District sewer.
- 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.
- Each SS service to have C.O. at property line. See detail on sheet 3.
- Note that inspection of all underground utilities will be performed by San Joaquin County Department of Public Works and Lockeford Community Services District. They must be inspected before backfill. Notify Inspectors 48 hours prior to requiring their services. Phone (209) 727-5033, and (209) 468-3022.
- 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, 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.
- All traffic signs and markings shall conform with San Joaquin County Standards and with the "Manual on Uniform Traffic Control Devices".
- Install a reflective, blue marker near center line of street to denote the fire hydrant location.
- Material sampling and testing shall be the responsibility of the contractor. All results shall be sent to the Engineer and the County Inspector.
- The Contractor shall obtain an Encroachment Permit from San Joaquin County for all work within the existing street (Gina Drive).
- For Water Main under a Sanitary Sewer Lateral crossing, a 20 foot length of Class 200 (C-900) pipe shall be installed and centered at the sewer crossing. The vertical separation shall be four inches minimum.

**BAUMBACH & PIAZZA**  
CIVIL ENGINEERS  
SURVEYORS

323 W. ELM ST. LOOI, CALIF.  
95240 PH: 209-388-6618

KEY SHEET

GOODEN PARK

SUBDIVISION IMPROVEMENTS

SHEET 1 OF 4

JOB NO. 8918

FILE NO.

G-912