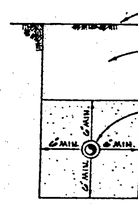
## PLUMBING SYMBOLS & ABBREVIATIONS

| | |
|---|---|
| ——— | SOIL, WASTE, DRAIN & SEWER |
| ——— U ——— | BURIED SOIL, WASTE, DRAIN & SEWER |
| ——— D ——— | HYDRAULIC DRAIN |
| ——— V ——— | SANITARY VENT |
| ——— CW ——— | COLD WATER C.W. |
| ——— HW ——— | HOT WATER H.W. |
| ——— HWR ——— | HOT WATER RETURN H.W.R. |
| ——— T ——— | TEMPERED WATER T.W. |
| ——— HWT ——— | HIGH TEMPERATURE WATER H.T.W. |
| ——— S ——— | SOFT WATER S.W. |
| ——— IW ——— | INDUSTRIAL WATER |
| ——— A ——— | AIR LINE A |
| ——— F ——— | FIRE LINE FL. |
| ——— G ——— | GAS LINE G. |
| ——— G ——— | FUEL GAS (LOW PRESSURE) G. |
| ——— HG ——— | FUEL GAS (HIGH PRESSURE) |
| ——— IW ——— | INDIRECT WASTE I.W. |
| ——— I ——— | IRRIGATION MAIN I.L. |
| ——— SOV ——— | SHUT-OFF VALVE SOV. |
| ——— GV ——— | GATE VALVE G.V. |
| ——— GLV ——— | GLOBE VALVE GL.V. |
| ——— PRV ——— | PRESSURE REDUCING VALVE PR.V. |
| ——— PRV ——— | PRESSURE RELIEF VALVE PR.R.V. |
| ——— PRV ——— | PRESSURE-TEMP. RELIEF VALVE PC&R.V. |
| ——— CV ——— | CHECK VALVE C.V. |
| ——— PC ——— | P.O.C. P.C. |
| ——— SOV ——— | SHUT-OFF VALVE IN BOX |
| ——— CO ——— | CLEANOUT CO. |
| ——— WCO ——— | WALL CLEANOUT W.C.O. |
| ——— HB ——— | HOSE BIBB H.B. |
| ——— WD ——— | WALL DRINKING FOUNTAIN W.D. |
| ——— DW ——— | DRUM |
| ——— FH ——— | FIRE HYDRANT |
| ——— SP ——— | FIRE SPRINKLER HEAD |
| ——— U ——— | UNION |
| E | ELBOW |
| W | WASHER |
| V | VENT |
| VR | VENT RISER |
| VO | VENT OFFSET |
| V.T.R. | VENT THRU ROOF |
| P.T. | PLUGGED TEE |
| P.V. | PLUGGED WYE |
| F.E. | FIRE EXTINGUISHER |
| F.E.&C. | FIRE EXTINGUISHER & CABINET |
| F.H. | FIRE HYDRANT |
| F.H.C. | FIRE HOSE CABINET |
| F.H.R. | FIRE HOSE RACK |
| W.H. | WATER HEATER |
| C.O. | CLEANOUT |
| M.H. | MANHOLE |
| C.B. | CATCH BASIN |
| C.I. | CAST IRON |
| V.C. | VITRIFIED CLAY |
| X.H. | EXTRA HEAVY |
| H.D.W. | HEAVY DUTY WASTE |
| G.H.V. | GARDEN HOSE VALVE |
| L.S.T. | LIQUID SOAP TANK |
| A.D. | ACCESS DOOR |
| A.P. | ACCESS PANEL |
| C.L.G. | CEILING |
| I.E. | INVERT ELEVATION |
| ABV. | ABOVE |
| BEL. | BELOW |
| FIN. FLR. | FINISHED FLOOR |
| L.K.S. | LOOSE KEY STOP |
| L.K.P.S. | LOOSE KEY PARTITION STOP |
| P.O.C. | POINT OF CONNECTION |
| C.O.T.G. | CLEANOUT TO GRADE |
| F.G. | FINISHED GRADE |
| EXP. | EXPOSED |
| CONT. | CONTINUATION |
| N.I.C. | NOT IN CONTRACT |
| R.I.&C. | ROUGH-IN & CONNECT |
| U.O.E. | UNDER OTHER SECTION |
| W.H. | WATER HAMMER ARRESTOR |
| PREPFR'D | INDICATES EXISTING |

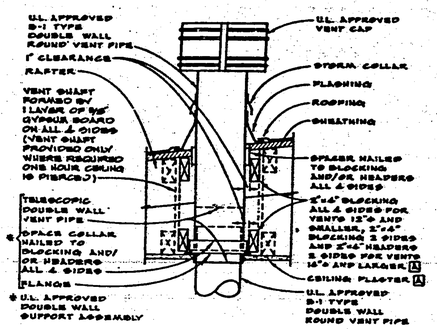
## PIPE TRENCH DETAIL

NO SCALE — DETAIL M1/A



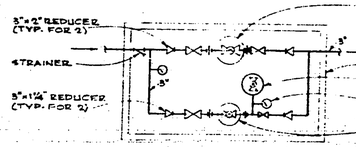

## DETAIL

NO SCALE — DETAIL M1/B

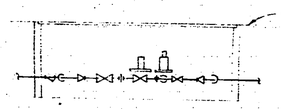



## PLUMBING NOTES:

1. ALL SHUT-OFF VALVES OUTSIDE THE BUILDINGS SHALL BE INSTALLED IN CONCRETE BOXES WITH THE NAME OF THE SERVICE CONSPICUOUSLY CAST IN COVER.
2. ALL HOSE BIBBS AND GARDEN HOSE VALVES SHALL BE INSTALLED 18" ABOVE FINISHED FLOOR OR FINISHED GRADE.
3. PLUGGED TEES AND PLUGGED WYES SHALL BE LINE SIZES UNLESS OTHERWISE NOTED.
4. FOR ALL BENCH MARKS SEE CIVIL DRAWINGS.
5. WATER HAMMER ARRESTER CODING IS SMITH HYDROTOL AND IS TO BE USED FOR REFERENCE ONLY.
6. LOCATIONS OF EXISTING LINES ARE ASSUMED AND SHALL BE VERIFIED BY THE CONTRACTOR AT THE JOB SITE.



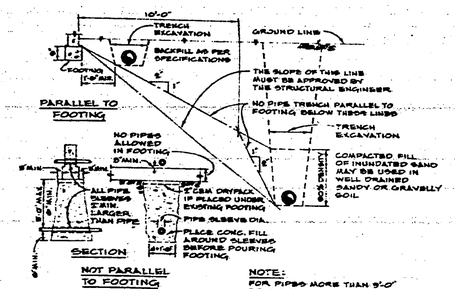

PLAN




ELEVATION

## DETAIL

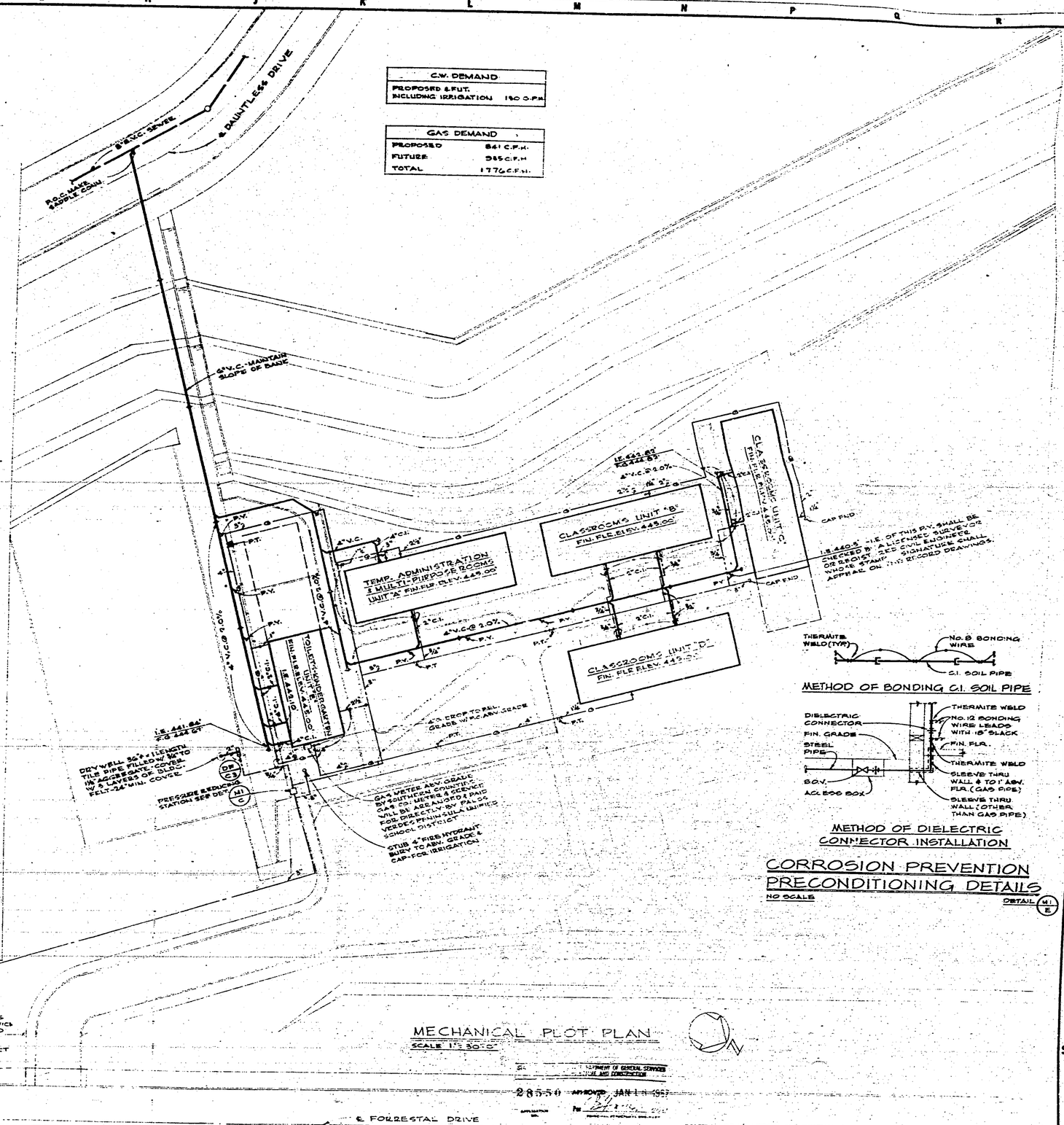
NO SCALE — DETAIL M1/C




NOTE: FOR PIPES MORE THAN 5'-0" BELOW BOTTOM OF FOOTING, STEP AS REQUIRED.

## TYPICAL PIPE INSTALLATIONS AT CONCRETE FOOTINGS

NO SCALE — DETAIL M1/D




## CORROSION PREVENTION PRECONDITIONING DETAILS

NO SCALE — DETAIL M1/E

## MECHANICAL PLOT PLAN

SCALE 1" = 30'-0"

I.S. 441.85' P.O. 444.64'

I.E. 441.85' P.O. 444.85'

1" = 440'-0" - I.E. OF THIS P.V. SHALL BE CHECKED BY ACCESS SURVEY OR WHOSE STAMP, SIGNATURE SHALL APPEAR ON ALL RECORD DRAWINGS.

CONTRACTOR TO VERIFY ALL DIMENSIONS AT THE JOB

DEPARTMENT OF GENERAL SERVICES DIVISION OF ARCHITECTURE AND CONSTRUCTION

28550 APPROVED JAN 11 1967

APPLICATION NO. — By — PERSONAL ATTENTION OF

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# KISTNER, WRIGHT & WRIGHT

ARCHITECTS AND ENGINEERS — LOS ANGELES, CALIFORNIA

STATE FIRE MARSHAL
STATE OF CALIFORNIA
APPROVED JAN 1-11-67

MECHANICAL PLOT PLAN

LADERA LINDA ELEM. SCHOOL
PALOS VERDES PENINSULA UNIFIED SCHOOL DISTRICT
ROLLING HILLS, CALIFORNIA

DATE
DR. BY G.
CHECKED BY J.K.
JOB NO. 252
H&K 6234

SHEET NO. M1
OF SHEETS