<table>
<thead>
<tr>
<th>TO BE CONST.</th>
<th>DESCRIPTION</th>
<th>EXISTING</th>
</tr>
</thead>
<tbody>
<tr>
<td>------------</td>
<td>--------------------------------------------------</td>
<td>----------</td>
</tr>
<tr>
<td>Property Line</td>
<td>Center Line</td>
<td></td>
</tr>
<tr>
<td>Section Line</td>
<td>Edge of Pavement</td>
<td></td>
</tr>
<tr>
<td>EP</td>
<td>Limit of Work Line</td>
<td></td>
</tr>
<tr>
<td>City Limit Line</td>
<td>Curb, Gutter, and Sidewalk with Wheelchair Ramp</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Aggregate Base</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Survey Monument</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Driveway</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Type &quot;A&quot; Barricade</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Type &quot;B&quot; Barricade</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Fence</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Railroad Tracks</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Guard Rail</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Electroliner</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Utility Pole</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Telephone Cable</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Cable Television</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**STANDARD DRAFTING SYMBOLS**

CITY OF MANTeca
DEPARTMENT OF PUBLIC WORKS

DRAWING NO. E-2

Printed on 11x17 inch Clearprint
1. 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 THE OWNER, ENGINEER AND THE CITY 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.

2. UNLESS OTHERWISE STATED, ALL STATIONS INDICATED ON THE IMPROVEMENT PLANS ARE REFERENCED TO THE CENTER LINE OF THE STREET. ALL STATIONS ON THE CURBS ARE PERPENDICULAR TO OR RADIALLY OPPOSITE CENTER LINE STATIONS, UNLESS OTHERWISE NOTED.

3. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION OF ALL EXISTING FACILITIES.

4. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY FIELD CHANGES MADE WITHOUT WRITTEN AUTHORIZATION FROM THE CITY ENGINEER.

5. THE CONTRACTOR SHALL PROVIDE ALL LIGHTS, SIGNS, BARRICADES, FLAGGEES OR OTHER DEVICES NEEDED TO PROVIDE FOR PUBLIC SAFETY IN ACCORDANCE WITH THE CURRENT ISSUE OF "MANUAL OF TRAFFIC CONTROLS WARNING SIGNS, LIGHTS AND DEVICES FOR USE IN PERFORMANCE OF WORK UPON HIGHWAYS" PUBLISHED BY THE STATE OF CALIFORNIA BUSINESS AND TRANSPORTATION AGENCY.

6. CONTRACTOR SHALL BE RESPONSIBLE FOR ADEQUATELY MARKING THE INSTALLED LOCATION OF ALL SANITARY AND WATER SERVICES (STAMPED WITH AN "S" AND "W" RESPECTIVELY) AT THE TIME OF INSTALLATION. CONTRACTOR SHALL REMOVE ALL EXISTING BARRICADES, PAVING AND/ OR OIL SCREENINGS WITHIN SPECIFIC AREAS INDICATED TO BE IMPROVED.

7. THE OFFICE OF THE CITY ENGINEER SHALL BE NOTIFIED AT LEAST 24 HOURS IN ADVANCE OF ANY WORK.


9. P.G.&E., TELEPHONE AND CABLE TV UNDERGROUND WORK SHALL BE COMPLETED PRIOR TO CONSTRUCTION OF THE CURB, CUTTER, SIDEWALK AND PAVING.

10. IF REQUIRED, THE CONTRACTOR SHALL DETERMINE THE PROPER WELL PLACEMENTS TO ADEQUATELY DEWATER THE AREA FOR TRENCHING.
11. The City of Manteca or associated utility company and residences to be affected shall be notified immediately upon any utility service disruption other than specified on these improvement plans and a 24 hour notice shall be given for any planned disruption.

12. Dust shall be controlled as per section 10 of the State of California, Department of Transportation, standard specifications and the City of Manteca's specifications.

13. Lots shall be graded to establish identical elevations (match grades) with adjacent lots and surrounding property unless otherwise approved by the City Engineer.

14. An encroachment permit shall be obtained from the City of Manteca, Department of Public Works or any other applicable agencies prior to commencement of work within existing city right-of-way.

15. Street signs, traffic control signs, and pavement markings shall be provided and installed by the contractor at locations established by the City Engineer.

16. The contractor shall secure a trench permit from the California Division of Industrial Safety prior to excavation of any trench over five feet in depth.

17. Asphalt concrete shall be placed only when the atmospheric temperature is above 50°F.

18. All street lighting shall be constructed by and at a cost to the developer such that ownership of the street lights are to be provided to the City (LS-2C schedule).

19. The contractor shall verify locations of all existing underground utilities and shall contact the respective utility companies prior to commencement of work. He shall be responsible for the location and preservation of all such facilities in the area of construction and shall notify utilities forty-eight (48) hours in advance of any construction.

20. Contractor is responsible for coordination of the removal or relocation of all existing utilities with respective utility companies.

21. The contractor is to provide compacted building pads at the elevations shown on the grading plan.

22. All service laterals shall be extended past the property line and plugged.
23. MANHOLE CASTINGS AND COVERS SHALL BE ADJUSTED TO FINAL GRADES BY
THE PAVING CONTRACTOR AFTER STREET IMPROVEMENTS ARE COMPLETED.

24. ALL WATER LINES SHALL BE TESTED AND DISINFECTED IN COMPLIANCE
WITH THE REQUIREMENTS OF THE CITY OF MANTECA'S STANDARD PLANS AND
SPECIFICATIONS, PRIOR TO FINAL ACCEPTANCE.

25. AFTER CONSTRUCTION OF ALL IMPROVEMENTS, THE ENGINEER SHALL SUBMIT
ONE SET OF REPRODUCIBLE "AS BUILT" PLANS. FINAL INVERT
ELEVATIONS FOR SEWER AND STORM DRAIN LINES THAT ARE TO BE
EXTENDED FOR FUTURE CONSTRUCTION SHALL ALSO BE SHOWN ON THE "AS
BUILT" PLANS.

26. ALL TRENCHES ON MAJOR AND COLLECTOR STREETS AND CROSS TRENCHES ON
ALL STREETS SHALL BE PAVED WITH TEMPORARY PAVING THE SAME DAY THE
PAVEMENT CUT IS MADE.

27. CONTRACTOR SHALL PROVIDE CITY WITH A CERTIFICATE SIGNED BY A
REGISTERED CIVIL ENGINEER STATING THAT ALL BUILDING PAD
ELEVATIONS ARE IN CONFORMANCE WITH APPROVED GRADING PLAN.
SECTION A-A

TYPICAL LOT
GRADING DETAIL

CITY OF MANTECA
DEPARTMENT OF PUBLIC WORKS

NO. 1
REvised BY JK
DRAWN By: J. MENDOZA
CHECKED By: J. PODESTA
SCALE: NONE

APPROVED By: DIRECTOR OF PUBLIC WORKS

DRAWING NO. E-7
DATE: JAN. 1988

PRINTED ON DPI FO 100M CLEARPRINT

REAR LOT LINE
BUILDING SET BACK LINE
BUILDING
T.C. ELEV. +12" MIN.
TOP OF CURB ELEV. +12" MIN.
CURB, GUTTER & SIDEWALK

FRONT LOT LINE
CURB, GUTTER & SIDEWALK

12" MIN.
BUILDING SET BACK LINE
BUILDING
LOT GRADE
FINAL LOT GRADING AT PROPERTY LINE,
MIN. PROTECTIVE SIDEYARD SLOPE = +1%,
REAR LOT LINE TO BACK OF SIDEWALK
NOTES:

1. SEWER LATERALS MAY BE INSTALLED ON EITHER SIDE OF THE WATER CONNECTION.

2. SEWER AND WATER SERVICES AT THE END OF A CUL-DE-SAC MAY BE LOCATED NO CLOSER THAN 2 1/2 FEET FROM THE SIDE LOT LINE.
TO BE USED FOR LOT DIFFERENCE LESS THAN 18"

TO BE USED FOR LOT DIFFERENCE OF 18" OR GREATER

NOTES:

1. DETAILS AND CALCULATIONS FOR THE CONCRETE RETAINING WALL SHALL BE SUBMITTED TO THE PUBLIC WORKS DEPARTMENT FOR APPROVAL.