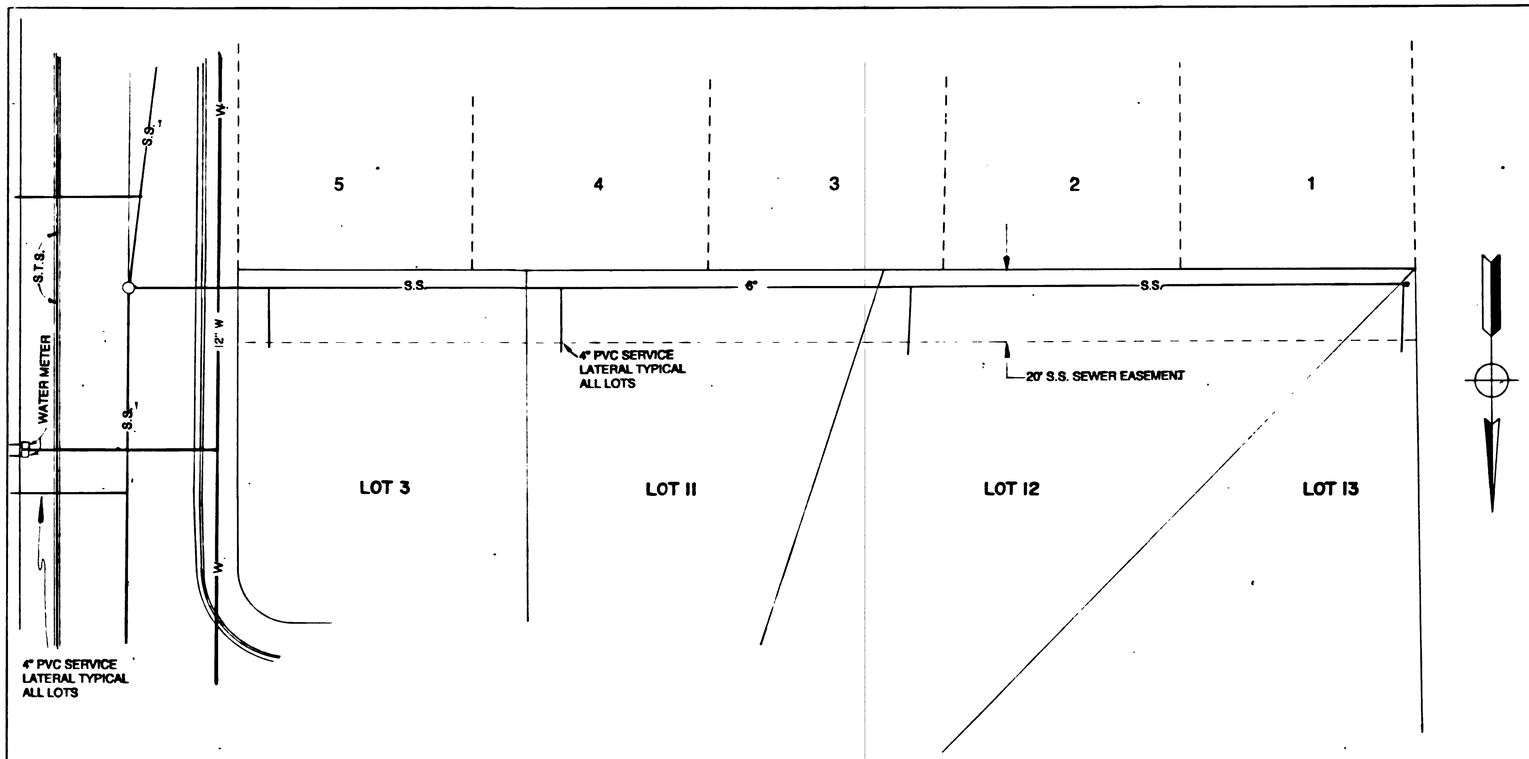
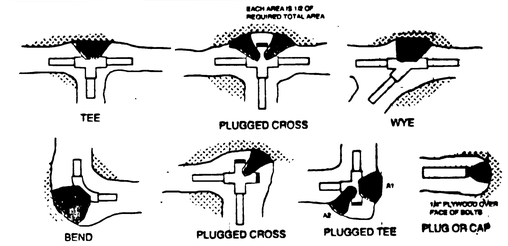



FINAL SURVEY
NOTE BOOK NO ____
SURVEYED ____
PLOTTED ____
TEMPLATE ____
AREAS ____
AREAS CHECKED ____
BY ____ DATE ____




## THRUST BLOCK DETAILS AND INFORMATION

BEARING AREA THRUST BLOCK IN SQUARE FEET

| FITTING SIZE | TEE, WYE, PLUG, OR CAP | 90 DEG. BEND PLUGGED CROSS | TEE PLUGGED ON RUN A1 | TEE PLUGGED ON RUN A2 | 45 DEG BEND | 22 1/2 DEG BEND | 11 1/4 DEG BEND |
|---|---|---|---|---|---|---|---|
| 4 | 3.6 | 5.1 | 5.0 | 3.6 | 2.8 | 1.4 | 0.7 |
| 6 | 7.5 | 10.6 | 10.5 | 7.5 | 5.7 | 2.9 | 1.4 |
| 8 | 12.9 | 18.2 | 18.1 | 12.9 | 9.8 | 5.0 | 2.5 |
| 10 | 19.4 | 27.4 | 27.2 | 19.4 | 14.8 | 7.4 | 3.7 |
| 12 | 27.4 | 38.7 | 38.4 | 27.4 | 21.0 | 10.5 | 5.2 |

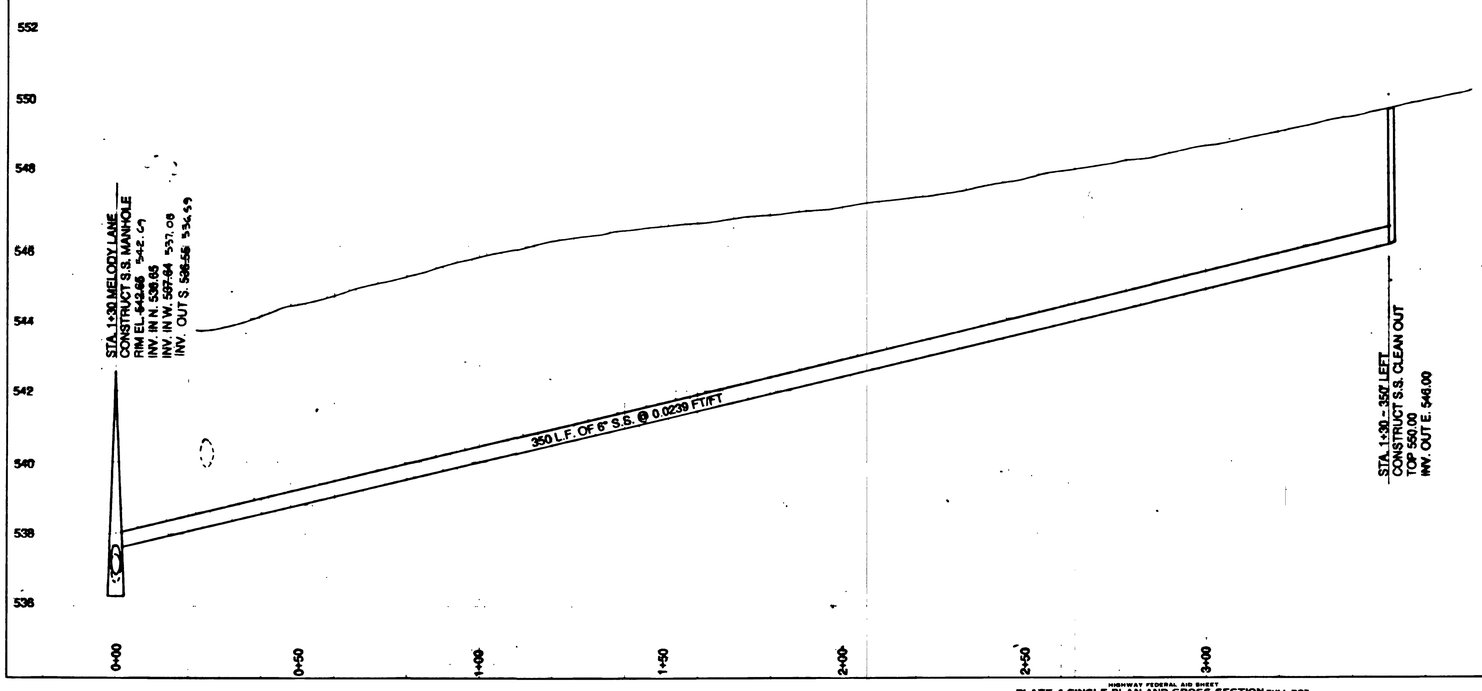
NOTE: ABOVE BEARING AREAS BASED ON TEST PRESSURE OF 200 p.s.i. AND AN ALLOWABLE SOIL BEARING STRESS OF 1,000 lbs. PER SQUARE FOOT TO COMPUTE BEARING AREAS FOR DIFFERENT TEST PRESSURES AND SOIL BEARING STRESSES, USE THE FOLLOWING EQUATION: BEARING AREA = (TEST PRESSURE/200) x (1000/SOIL BEARING STRESS) x (TABLE VALUE)

NOTES:

1) CONCRETE THRUST BLOCKING TO BE POURED AGAINST UNDISTURBED EARTH.
2). KEEP CONCRETE CLEAR OF JOINT AND ACCESSORIES.
3). THE REQUIRED THRUST BEARING AREAS FOR SPECIAL CONNECTIONS ARE SHOWN ENCIRCLED ON THE PLANS. e.g. (15) INDICATES 15 SQUARE FEET BEARING AREA REQUIRED.
4) IF NOT SHOWN ON PLANS REQUIRED BEARING AREAS AT FITTING SHALL BE AS INDICATED BELOW, ADJUSTED IF NECESSARY, TO CONFORM TO THE TEST PRESSURE(S) AND ALLOWABLE SOIL BEARING STRESS(ES) STATED IN THE SPECIAL SPECIFICATIONS
5). BEARING AREAS AND SPECIAL BLOCKING DETAILS SHOWN ON PLANS. TAKE PRECEDENCE OVER BEARING AREAS AND BLOCKING DETAILS SHOWN ON THIS STANDARD DETAIL.

FILED
Date: 9-11-1998 By: ____
This survey consists of:
Map: ____
Narrative: ____
Corner Rpt: ____
DOUGLAS COUNTY SURVEYOR

ORIGINAL SURVEY
NOTE BOOK NO ____
SURVEYED ____
PLOTTED ____
TEMPLATE ____
AREAS ____
AREAS CHECKED ____
BY ____ DATE ____




HIGHWAY FEDERAL AID SHEET
PLATE 4-SINGLE PLAN AND CROSS SECTION-FULL DOT
WITHEDYNE
PRINTED IN U.S.A.

A A SURVEYING
P.O. BOX 130
ROSEBURG
BY: ____

INSPECTED BY:
AA SURVEYING SERVICE, INC.
P O Box 130
ROSEBURG, OREGON 97470
EXPIRES 6/30/99

REGISTERED PROFESSIONAL ENGINEER 10449 OREGON JULY 13, 1978 H. RONALD HUGHES
EXPIRES 6/30/99

DESIGNED BY MIKE A. PARKER
INSPECTED BY H. RONALD HUGHES

REGISTERED PROFESSIONAL ENGINEER 21,908 OREGON JULY 17, 1985 MIKE A. PARKER


L.E. ENGINEERING
1205 S E Court Street
Roseburg, Oregon 97470
PHONE (503) 673-0166
FAX (503) 440-9392


| Rev. | Date | Description |
|---|---|---|
| 1 | MAY 1992 | RELOCATED WATERLINE & CHANGED CURB INLET DETAIL |
| 2 | 3-30-96 | COUNTY/ROBERTS CREEK REVIEW |
| 3 | 4/26/96 | ROBERTS CREEK WATER DIST. COMMENTS |
| 4 | 7/24/96 | AS-BUILT |

Project Name:
**LEBLANC SUBDIVISION**
**STREET IMPROVEMENT PLANS**

Title:
# PLAN AND PROFILE

| | | | |
|---|---|---|---|
| DES | OK | PROJECT NO | 137-01 |
| DWG | MR | DATE | MARCH 1992 |
| CHK | | SCALE | 1"=20' |
| APP | MAP | SHEET | 6 OF 7 |

DS-1.01

MOVED TO CO. RD. 288A