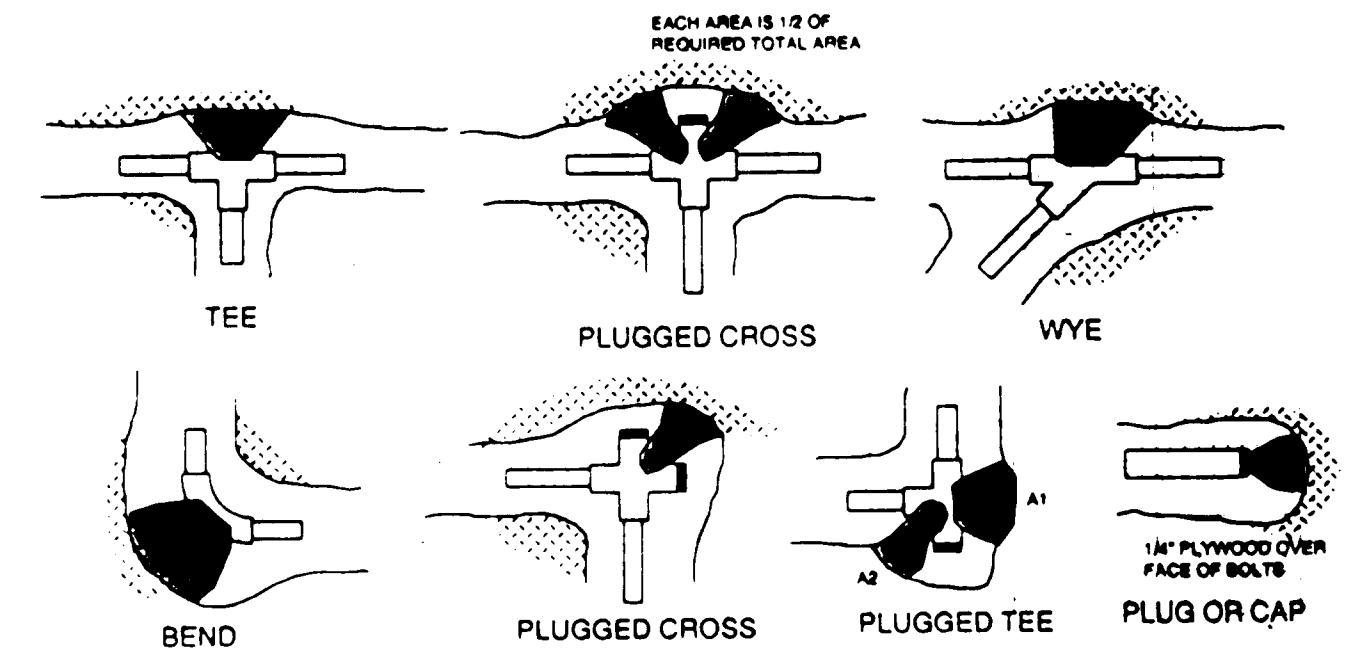
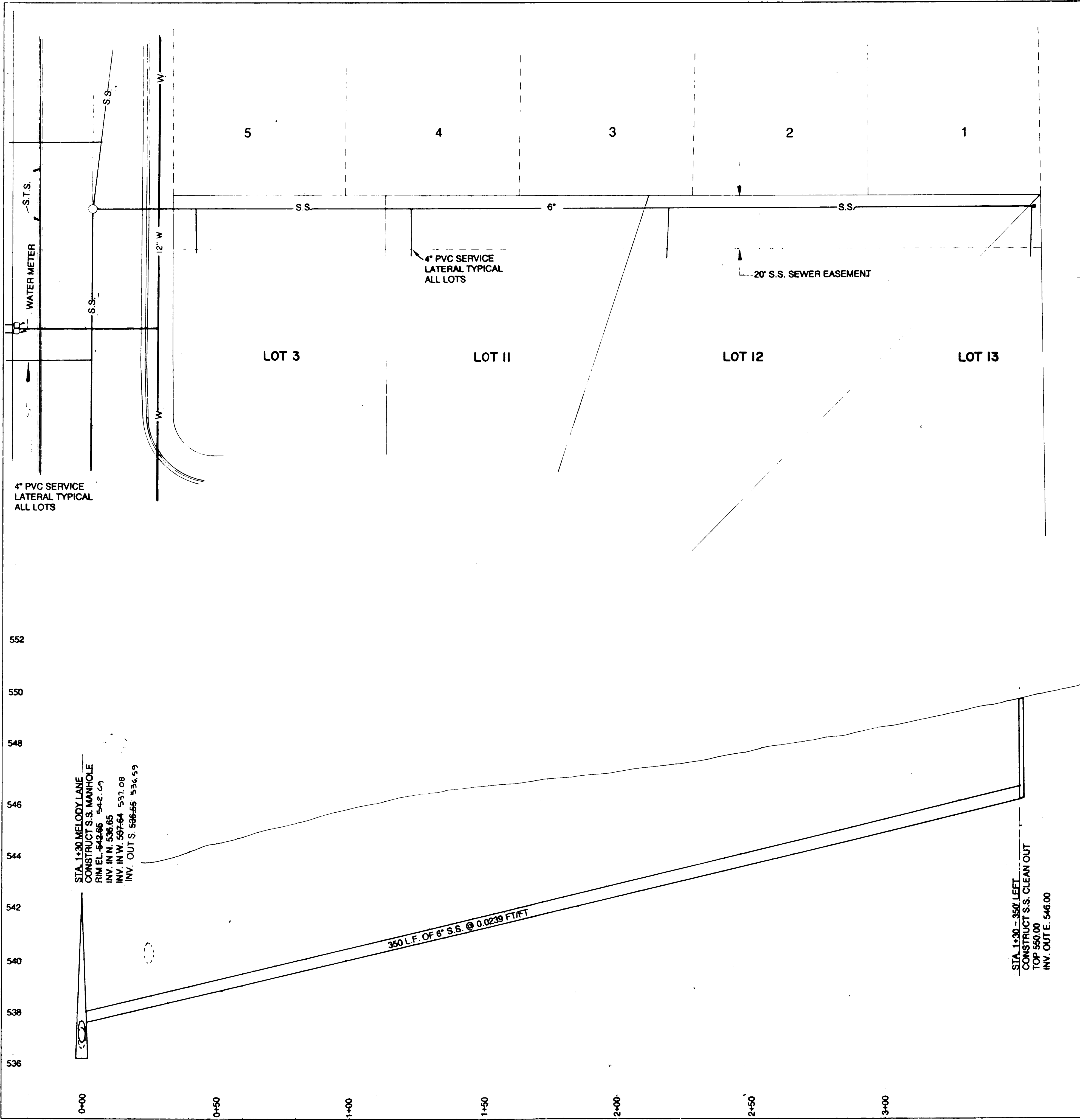


FINAL SURVEY  
 SURVEYED BY: [ ]  
 DATE: [ ]  
 TEMPLATE: [ ]  
 NOTE: [ ]  
 NO. [ ]

ORIGINAL SURVEY  
 SURVEYED BY: [ ]  
 DATE: [ ]  
 TEMPLATE: [ ]  
 NOTE: [ ]  
 NO. [ ]



**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		45 DEG. BEND	22 1/2 DEG. BEND	11 1/4 DEG. BEND
			A1	A2			
4	3.8	5.1	5.0	3.8	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	9.9	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 ENCLOSED 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: 7-11-1992 By: [ ]  
 This survey consists of:  
 Map: [ ]  
 Narrative: [ ]  
 Corner Rpt: [ ]  
**DOUGLAS COUNTY SURVEYOR**

INSPECTED BY:  
 AA SURVEYING SERVICE, INC.  
 1505 S.E. 10th St.  
 Roseburg, Oregon 97470  
 H. Ronald Hughes  
 REGISTERED PROFESSIONAL ENGINEER  
 10439  
 JULY 13, 1978  
 H. RONALD HUGHES  
 EXPIRES 6/30/99

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



Rev.	Date	Description	DES	CHK	PROJECT NO.
1	MAY 1992	RELOCATED WATERLINE & CHANGED CURB INLET DETAIL			137-01
2	3-30-96	COUNTY/ROBERTS CREEK REVIEW			
3	4/25/96	ROBERTS CREEK WATER DIST. COMMENTS			
4	7/24/98	AS-BUILT			

Project Name: **LEBLANC SUBDIVISION STREET IMPROVEMENT PLANS**  
 Title: **PLAN AND PROFILE**  
 DWG DATE: MARCH 1992  
 SCALE: 1"=20'  
 SHEET 6 OF 7

PLATE 4-SINGLE PLAN AND CROSS SECTION-FULL DOT  
 PRINTED IN U.S.A.