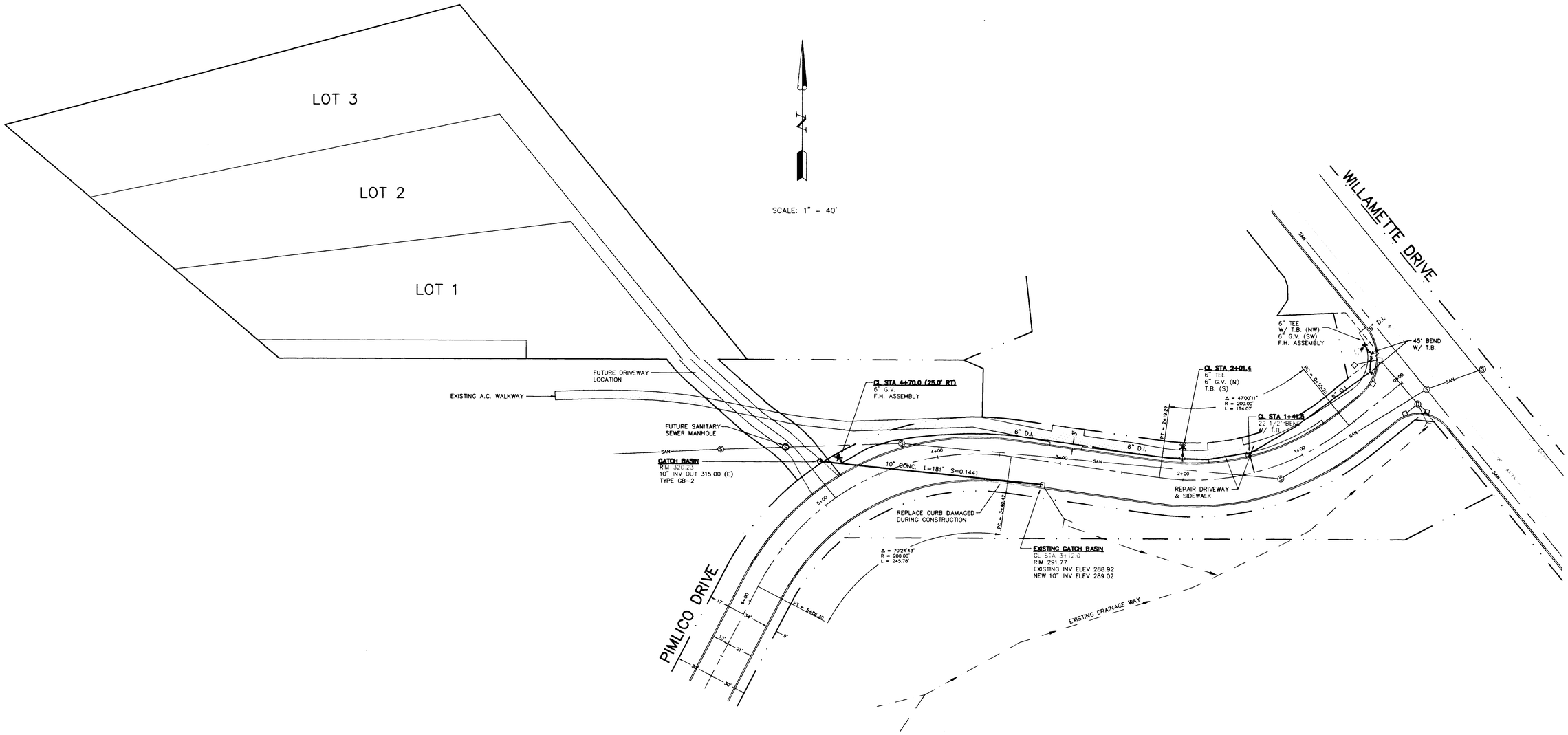


REGISTERED PROFESSIONAL ENGINEER
16,551
Patrick A. Sisul
EXP. 12/31/94
OREGON
MAY 18, 1993
PATRICK A. SISUL
12/9/94

AS BUILTS

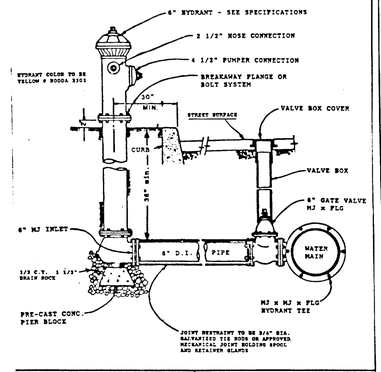
REVISIONS	BY
8-17-93 WATER LINE REF. 3-11 ADD HYDRANT PER CITY TAP EXIST HYDRANT	PS 9/8/93
AS BUILT 10/17/94	JEE

PIMLICO DRIVE IMPROVEMENTS
RICHARD NASE

Public ROW Improvements

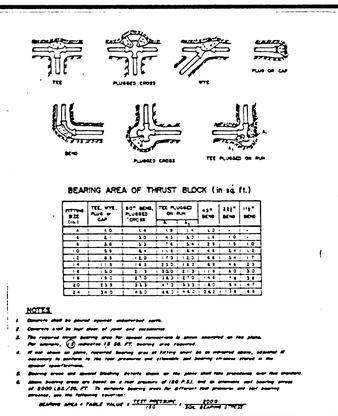
SISUL ENGINEERING
375 PORTLAND AVENUE
GLADSTONE, OREGON 97027
(503) 657-0188

DATE	JULY 1993
SCALE	1" = 40'
DRAWN	PS
JOB	91-5
SHEET	1 OF 2 SHEETS



CITY OF WEST LINN | FIRE HYDRANT

DRAWN BY DDP DATE 5-20-87
CHECKED BY DDP DATE 5-27-87
APPROVED BY Earl Reed DATE 5-27-87
DWG. NO. FH - 300



FITTING SIZE (in.)	TEE, WYE, PLUG or CAP	90° BEND, PLUGGED CROSS	TEE PLUGGED ON RUN		45° BEND	22½° BEND	11¼° BEND
			B_1	B_2			
4	1.0	1.4	1.8	1.4	1.0		
6	2.1	3.0	4.1	3.1	1.7	1.0	
8	3.4	5.3	7.4	5.4	2.9	1.5	0.8
10	5.3	8.4	11.6	8.4	4.6	2.4	1.2
12	7.6	12.0	17.0	12.0	6.6	3.5	1.7
14	11.5	16.3	23.0	16.3	8.9	4.6	2.3
16	15.0	21.3	30.0	21.3	11.6	6.0	3.0
18	19.0	27.0	38.0	27.0	14.6	7.6	3.8
20	23.5	33.5	47.0	33.5	18.0	9.3	4.6
24	34.0	48.0	68.0	48.0	26.0	13.6	6.8

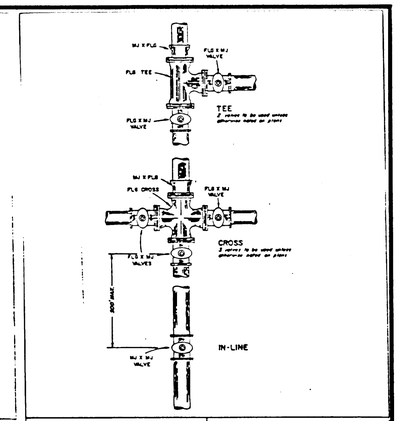
NOTES

1. Concrete shall be poured against undisturbed earth.
2. Concrete is not to cover any of joint and accessories.
3. The required bearing area for thrust connections is given assumed on the plans. For example, 6 square ft 36 ft. bearing area required.
4. If not shown on plans, required bearing area at fitting shall be as empirical above, calculated if necessary to suit the test pressure and diameter and bearing area shown shall be shown accordingly.
5. Bearing area and general blocking details shown on the plans shall take precedence over the standard.
6. Above bearing areas are based on a test pressure of 150 P.S.I. and an allowable soil bearing stress of 2000 LBS/SQ. FT. To compute bearing areas for different test pressure and soil bearing strength, use the following equation:

BEARING AREA = TABLE VALUE × $\frac{\text{TEST PRESSURE}}{150}$ × $\frac{2000}{\text{SOIL BEARING STRENGTH}}$

CITY OF WEST LINN | THRUST BLOCKING

DRAWN BY DDP DATE 5-20-87
CHECKED BY " DATE "
APPROVED BY Earl Reed DATE 5-27-87
DWG. NO. TB - 302



CITY OF WEST LINN | VALVE LOCATION

DRAWN BY DDP DATE 5-20-87
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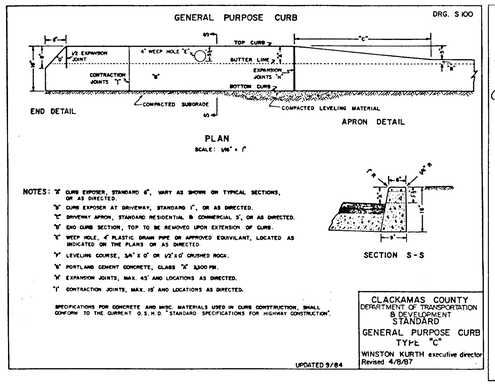
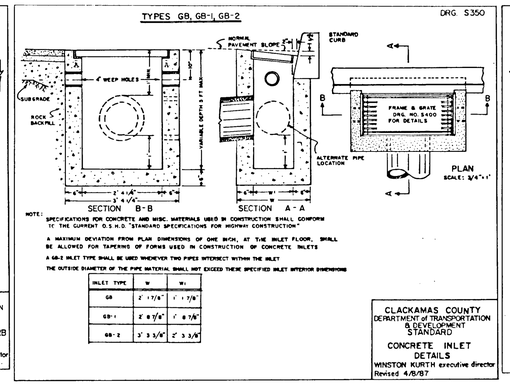
APPROVED BY Earl Reed DATE 5-27-87
DWG. NO. VL - 303

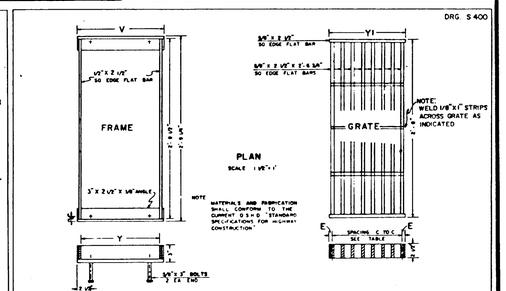


CLACKAMAS COUNTY
DEPARTMENT of TRANSPORTATION & DEVELOPMENT
STANDARD
GENERAL PURPOSE CURB
TYPE "C"
WINSTON KURTH executive director
Revised 4/6/87



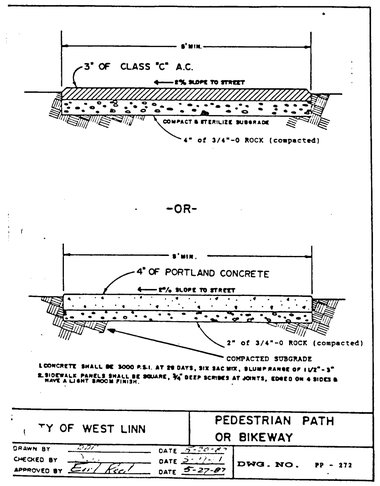
INLET TYPE	W	W1
GB	2' 11⅞"	1' 11⅞"
GB-1	2' 8⅞"	1' 8⅞"
GB-2	3' 3 3/8"	2' 3 3/8"

CLACKAMAS COUNTY
DEPARTMENT of TRANSPORTATION & DEVELOPMENT
STANDARD
CONCRETE INLET DETAILS
WINSTON KURTH executive director
Revised 4/6/87



INLET TYPE	V	Y	Y1	E	SPACING C TO C	NO OF BARS	REMARKS
G, GB, CG	2'-6 3/8"	1'-8⅞"	1'-4½"	3/8"	3/4"	8	
G-1, GB-1, CG-1	2'-0 3/8"	1'-8⅞"	1'-0½"	3/8"	1"	2	
G-2, GB-2, CG-2	2'-6 3/8"	2'-3 3/8"	1'-7"	3/8"	3/4"	6	2 GRATES
G-2M, D	2'-6 3/8"	2'-3 3/8"	2'-3"	1'-0½"	3"	9	

CLACKAMAS COUNTY
DEPARTMENT of TRANSPORTATION & DEVELOPMENT
STANDARD
FRAME & GRATE DETAILS
WINSTON KURTH executive director
Revised 4/6/87 CLIF HENDERSHOTT



CITY OF WEST LINN | PEDESTRIAN PATH OR BIKEWAY

DRAWN BY DDP DATE 5-20-87
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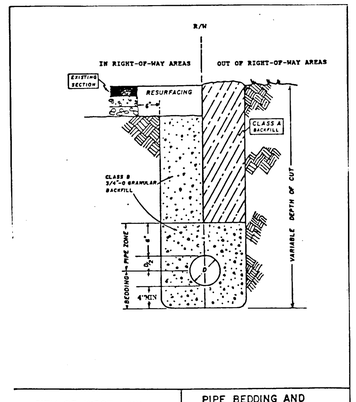
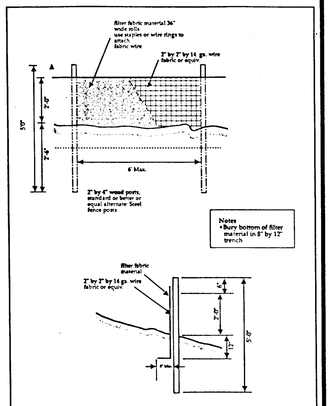
APPROVED BY Earl Reed DATE 5-27-87
DWG. NO. PP - 272



CITY OF WEST LINN | PIPE BEDDING AND BACKFILL DETAILS

DRAWN BY DDP DATE 5-20-87
CHECKED BY " DATE "
APPROVED BY Earl Reed DATE 5-27-87
DWG. NO. PB - 280



Erosion Control Plans Technical Guidance Handbook | Figure 3-3 Sediment Fence

AS BUILT

REGISTERED PROFESSIONAL ENGINEER 16,551 OREGON MAY 18, 1993 PATRICK A. SISUL

REVISIONS	BY
ADD DETAILS PER DEP	PS 6-25-93

PIMLICO DRIVE IMPROVEMENTS
RICHARD NASE
Details

SISUL ENGINEERING
375 PORTLAND AVENUE
GLADSTONE, OREGON 97027
(503) 657-0188

DATE JULY 1993
SCALE NOTED
DRAWN PS
JOB 91-5
SHEET 2 OF 2 SHEETS