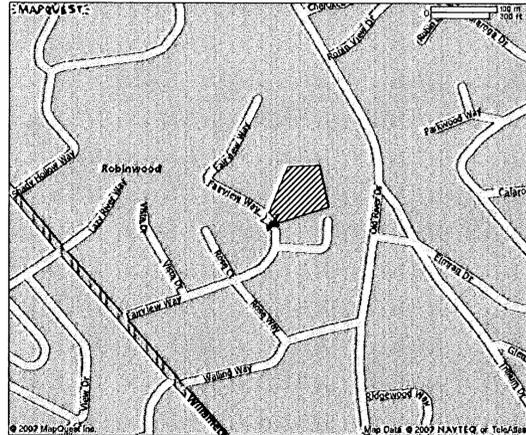
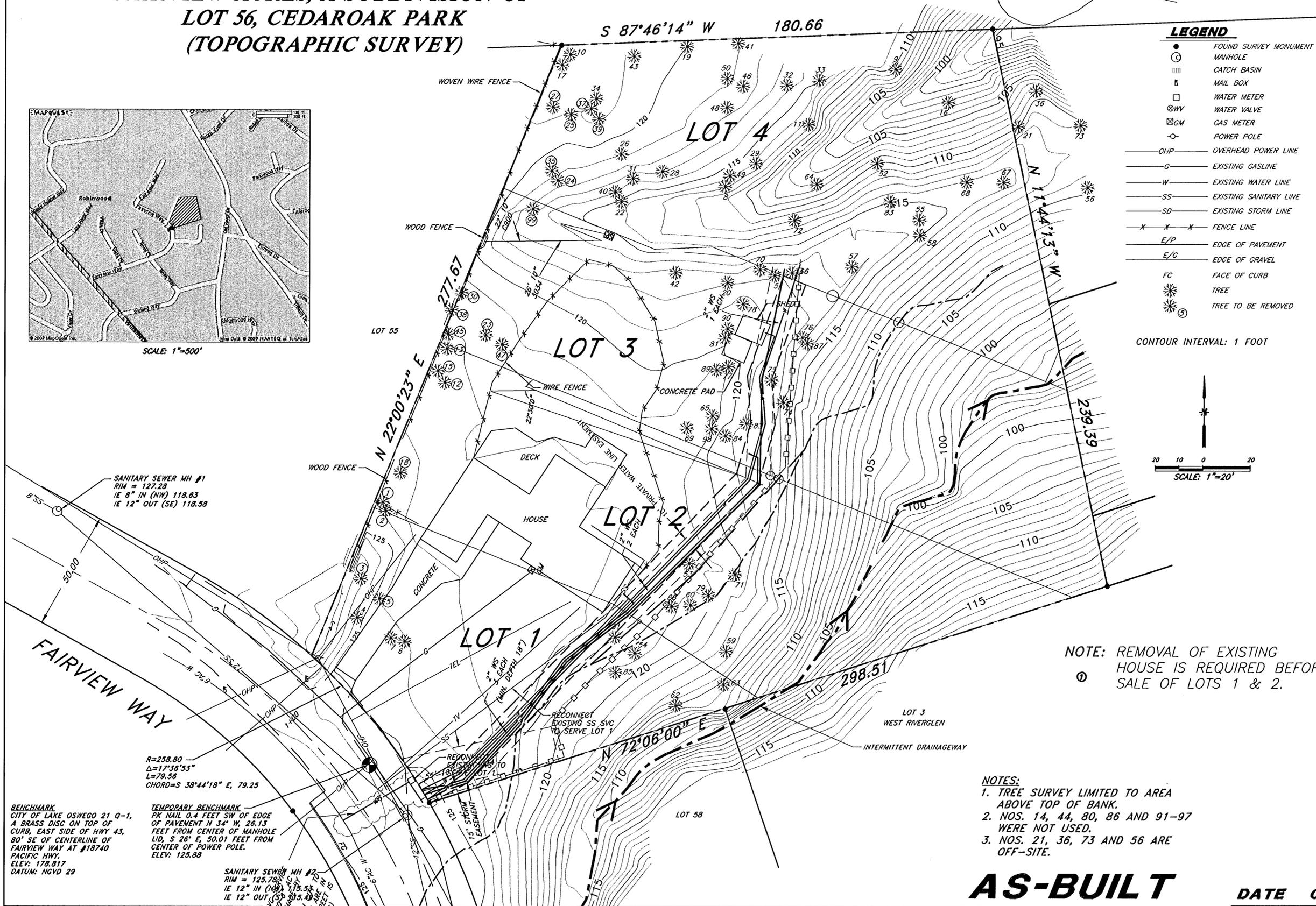


FAIRVIEW ACRES

CONSTRUCTION DRAWINGS FOR FAIRVIEW ACRES, A SUBDIVISION OF LOT 56, CEDAROAK PARK (TOPOGRAPHIC SURVEY)



SCALE: 1"=500'



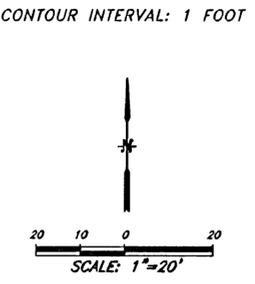
LEGEND

- FOUND SURVEY MONUMENT
- MANHOLE
- CATCH BASIN
- ⊕ MAIL BOX
- ⊕ WATER METER
- ⊕ WV WATER VALVE
- ⊕ GM GAS METER
- POWER POLE
- OHP OVERHEAD POWER LINE
- G EXISTING WATER LINE
- W EXISTING WATER LINE
- SS EXISTING SANITARY LINE
- SD EXISTING STORM LINE
- - - - - FENCE LINE
- E/P EDGE OF PAVEMENT
- E/G EDGE OF GRAVEL
- FC FACE OF CURB
- * TREE
- * (5) TREE TO BE REMOVED

TREE CHART

Tree #	Diameter (Inches)	Species
1	20	Cedar
2	12	Cedar
3	30	Fir
4	24	Oak
5	24	Oak
6	24	Oak
7	18	Oak
8	18	Maple
9	38	Maple
10	24	Maple
11	48	Maple
12	28	Deciduous
13	14	Cedar
14	10	Cedar
15	10	Cedar
16	48	Maple
17	24	Maple
18	24	Cedar
19	10	Maple
20	50	Maple
21	38	Cedar
22	18	Cedar
23	10	Deciduous
24	40	Maple
25	24	Cedar
26	24	Maple
27	24	Cedar
28	32	Maple
29	24	Maple
30	18	Alder
31	48	Maple
32	14	Maple
33	38	Maple
34	38	Maple
35	24	Maple
36	38	Alder
37	14	Maple
38	18	Maple
39	27	Maple
40	8	Cedar
41	12	Maple
42	38	Alder
43	14	Maple
44	14	Cedar
45	14	Cedar
46	24	Maple
47	10	Deciduous
48	18	Maple
49	20	Maple
50	8	Holly
51	12	Maple
52	38	Maple
53	38	Cedar
54	24	Maple
55	24	Maple
56	48	Cedar
57	60	Maple
58	24	Maple
59	24	Alder
60	10	Alder
61	24	Deciduous
62	8	Maple
63	50	Alder
64	38	Maple
65	38	Maple
66	12	Maple
67	38	Maple
68	17	Maple
69	12	Cedar
70	38	Alder
71	8	Alder
72	40	Maple
73	42	Fir
74	18	Alder
75	14	Alder
76	18	Maple
77	12	Cedar
78	38	Fir
79	24	Alder
80	8	Cedar
81	8	Cedar
82	32	Maple
83	18	Fir
84	72	Maple
85	48	Cedar
86	12	Maple
87	12	Alder
88	60	Maple
89	8	Cedar
90	8	Cedar
91	28	Maple
92	14	Maple

88 TOTAL TREES



NOTE: REMOVAL OF EXISTING HOUSE IS REQUIRED BEFORE SALE OF LOTS 1 & 2.

- NOTES:**
- TREE SURVEY LIMITED TO AREA ABOVE TOP OF BANK.
 - NOS. 14, 44, 80, 86 AND 91-97 WERE NOT USED.
 - NOS. 21, 36, 73 AND 56 ARE OFF-SITE.

AS-BUILT

DATE 09/03/09

AS-BUILT - (REVISED)

09/03/09

Exp. 12/31/09

REG. PROFESSIONAL ENGINEER
 MARY K. DEHAAS
 1101 N. ST. JOHNS
 ST. LOUIS, MO 63103

300 - McC Center
 6450 SW Coosway Circle
 Wilsonville, Oregon 97070

PHONE: (503) 682-2450
 FAX: 682-4018

DEHAAS & Associates, Inc.
 Consulting Engineers & Surveyors

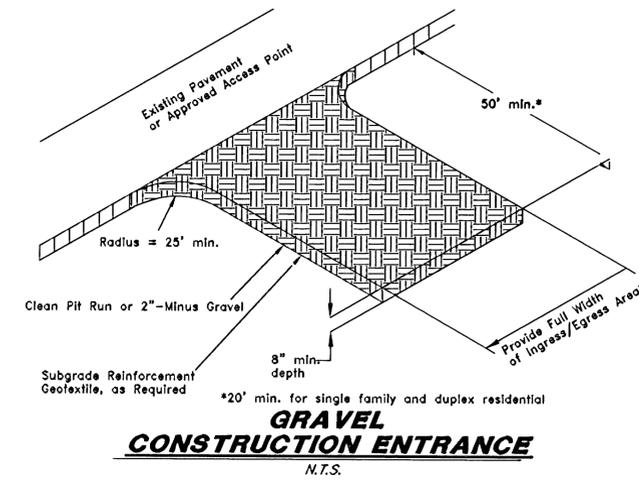
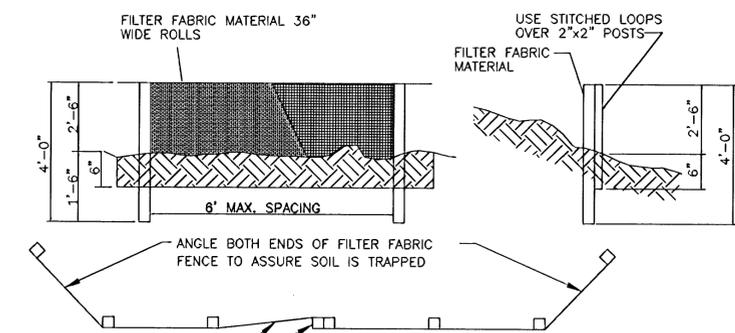
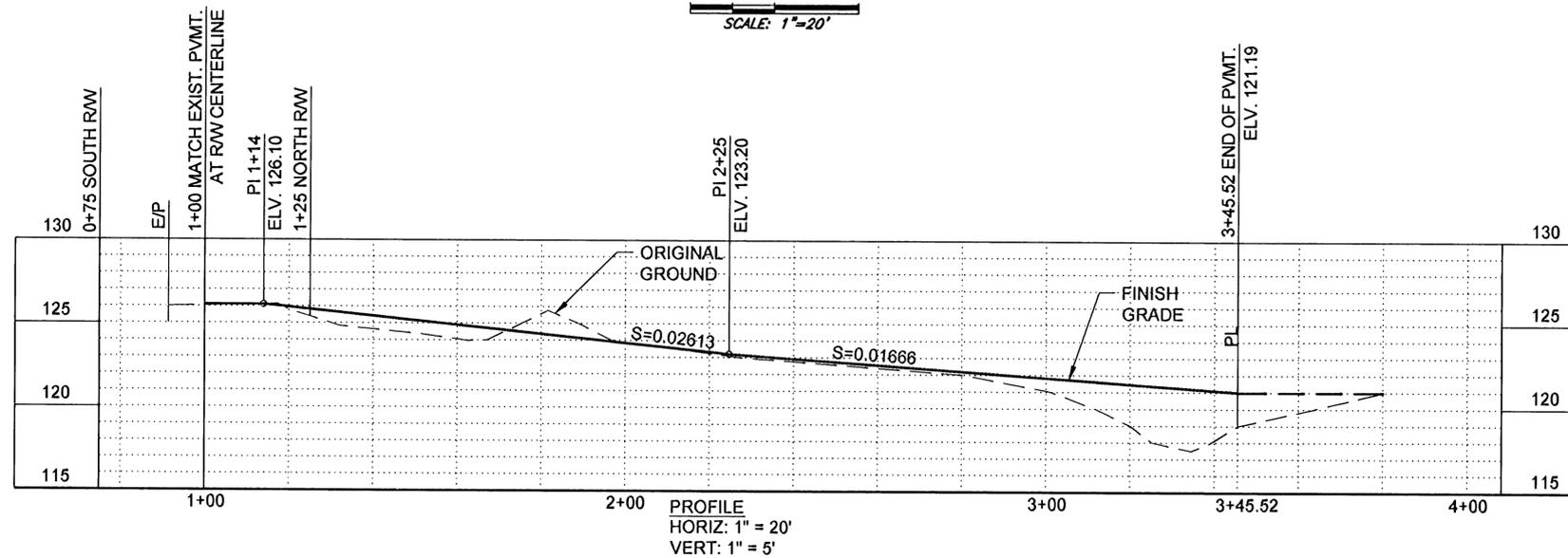
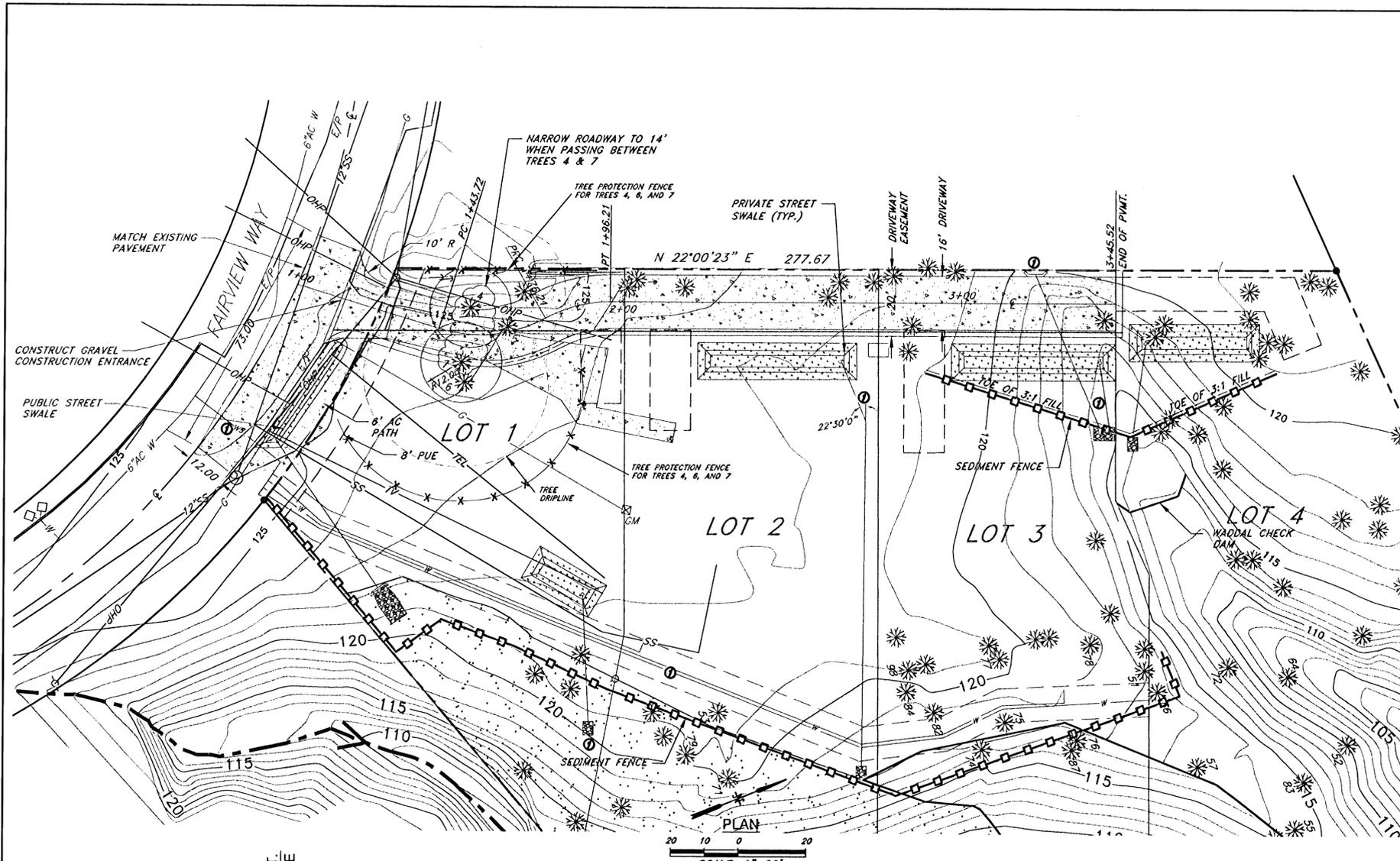
CUSTOMER: **GSW DEVELOPMENT, LLC**
 3484 FAIRVIEW WAY,
 WEST LINN, OREGON 97068
 971-678-9537

TOPOGRAPHIC SURVEY

DATE	03/03/09
FILE/JOB NUMBER	07.171.1379
DRAWING NAME	171_PLANS.DWG
SHEET	3 OF 10

REVISIONS

NO.	DATE	BY



EROSION CONTROL NOTES

- Owner or designated person shall be responsible for proper installation and maintenance of all erosion and sediment control measures, in accordance with local, State, and Federal regulations.
- The implementation of these ESC plans and construction, maintenance, replacement, and upgrading of these ESC facilities is the responsibility of the contractor until all construction is completed and approved by the local jurisdiction, and vegetation/landscaping is established.
- The boundaries of the clearing limits shown on this plan shall be clearly marked in the field prior to construction. During the construction period, no disturbance beyond the clearing limits shall be permitted. The markings shall be maintained by the applicant/contractor for the duration of construction.
- The ESC facilities shown on this plan must be constructed in conjunction with all clearing and grading activities, and in such a manner as to insure that sediment laden water does not enter the drainage system, roadways, or violate applicable water standards.
- The ESC facilities shown on this plan are minimum requirements for anticipated site conditions. During construction period, these ESC facilities shall be upgraded as needed for unexpected storm events and to insure that sediment and sediment laden water does not leave the site.
- The ESC facilities shall be inspected daily by the applicant/contractor and maintained as necessary to insure their continued functioning.
- At no time shall sediment be allowed to accumulate more than $\frac{1}{3}$ the barrier height. All catch basins and conveyance lines shall be cleaned prior to paving. The cleaning operations shall not flush sediment-laden water into the downstream system.
- Stabilized gravel entrances shall be installed at the beginning of construction and maintained for the duration of the project. Additional measures may be required to insure that all paved areas are kept clean for the duration of the project.
- Storm drain inlets, basins, and area drains shall be protected until pavement surfaces are completed and/or vegetation is re-established.
- Pavement surfaces and vegetation are to be placed as rapidly as possible.
- Seeding shall be performed no later than September 1 for each phase of construction.
- If there are exposed soils or soils not fully established from October 1 through April 30, the wet weather erosion prevention measures will be in effect. See the Erosion Prevention and Sediment Control Planning and Design Manual (Chapter 4) for requirements.
- The developer shall remove ESC measures when vegetation is fully established.

AS-BUILT

DATE 09/03/09

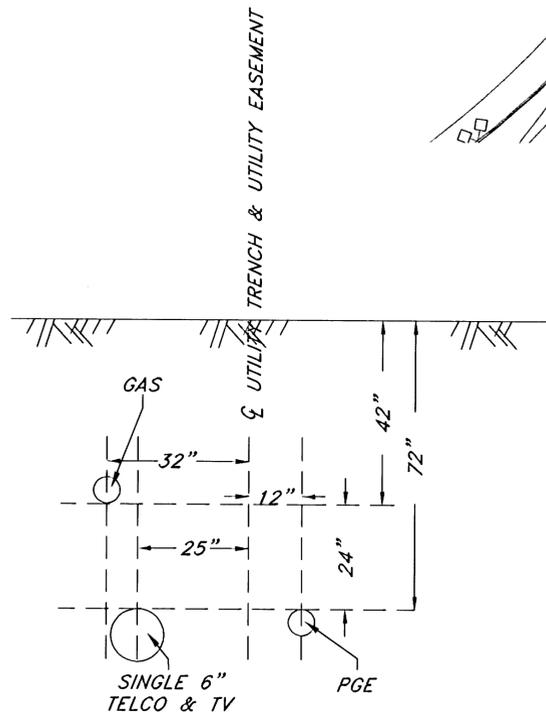
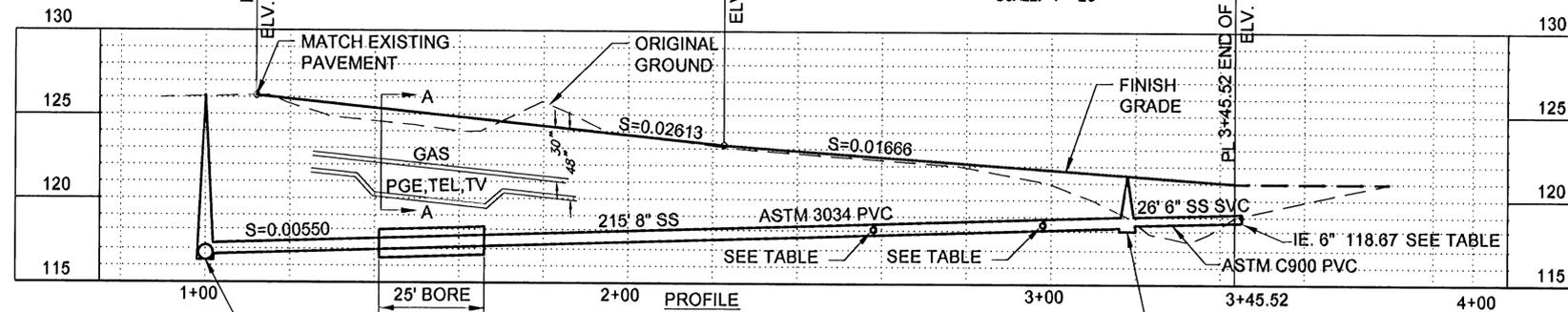
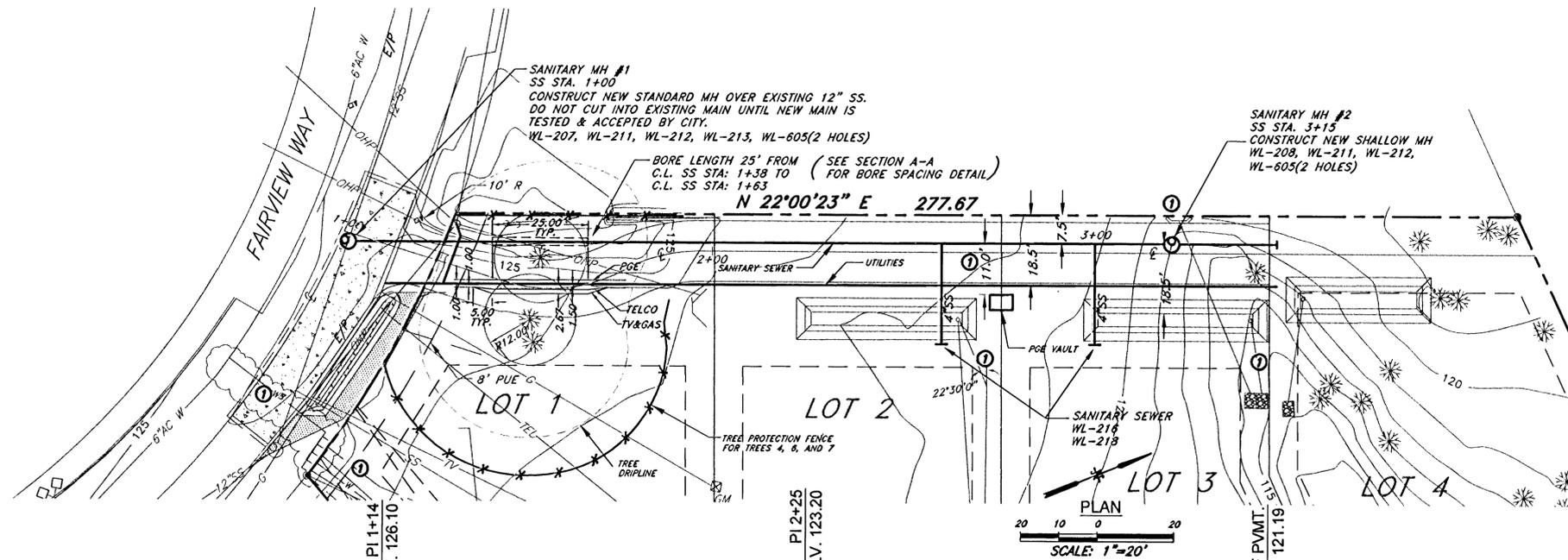
REMOVE TREES ONLY WITHIN THE GRADING ENVELOPE,
LEAVE ALL OTHER TREES IN PLACE (SEE SHEET 3)

FOR REFERENCE ONLY. SEE APPROVED GRADING & EROSION CONTROL PLAN FOR CONSTRUCTION.

		REVISIONS INQ DATE
Exp. 12/31/09 REGISTERED PROFESSIONAL ENGINEER Matthew DeHaas No. 1711 State of Oregon		AS-BUILT REVISIONS 09/03/09
3484 Fairview Way West Linn, Oregon 97068 Phone: (503) 882-2460 Fax: 882-4018		CHECKED MJD DESIGNED MJD DRAWN NT
DEHAAS & Associates, Inc. Consulting Engineers & Surveyors		BY
CUSTOMER: GSW DEVELOPMENT, LLC 3484 FAIRVIEW WAY WEST LINN, OREGON 97068 971-678-9537		DATE: 03/03/09 FILE/JOB NUMBER: 07.171.1379 DRAWING NAME: 171_PLANS.DWG SHEET: 4 OF 10

FAIRVIEW ACRES

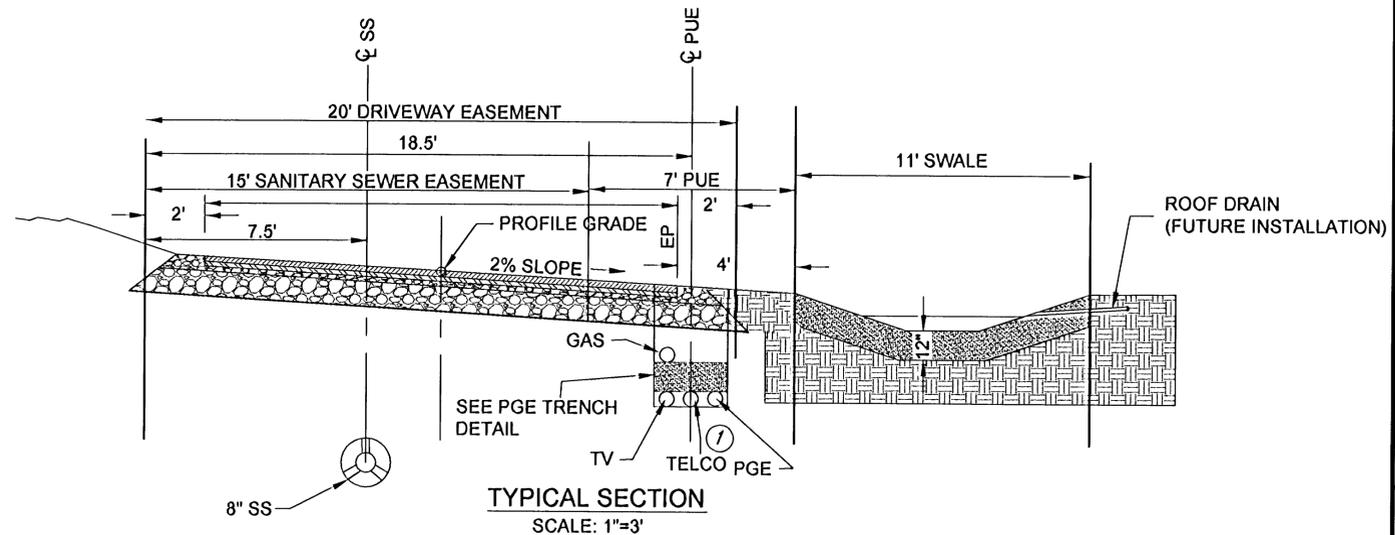
(SANITARY SEWER AND UTILITIES)



NOTE: SEE PGE TRENCH DETAIL FOR TRENCH OUTSIDE BORE.

LATERAL TABLE

LOI	DOWN STREAM M.H.	DIST. FROM D.S. M.H.	SIZE	MATERIAL	INV. EL. @ MAINLINE	SLOPE	LENGTH	INV. EL. @ PLUG	DEPTH @ PLUG
2	SSMH#1	155.0	4"	ASTM D 3034 SDR-35	117.8	0.02000	26	118.3	3.9
3	SSMH#1	1.95	4"	ASTM D 3034 SDR-35	118.0	0.02000	26	118.6	3.1
4	SSMH#2	0.0	6"	ASTM C900	118.1	0.02000	27	118.7	2.3



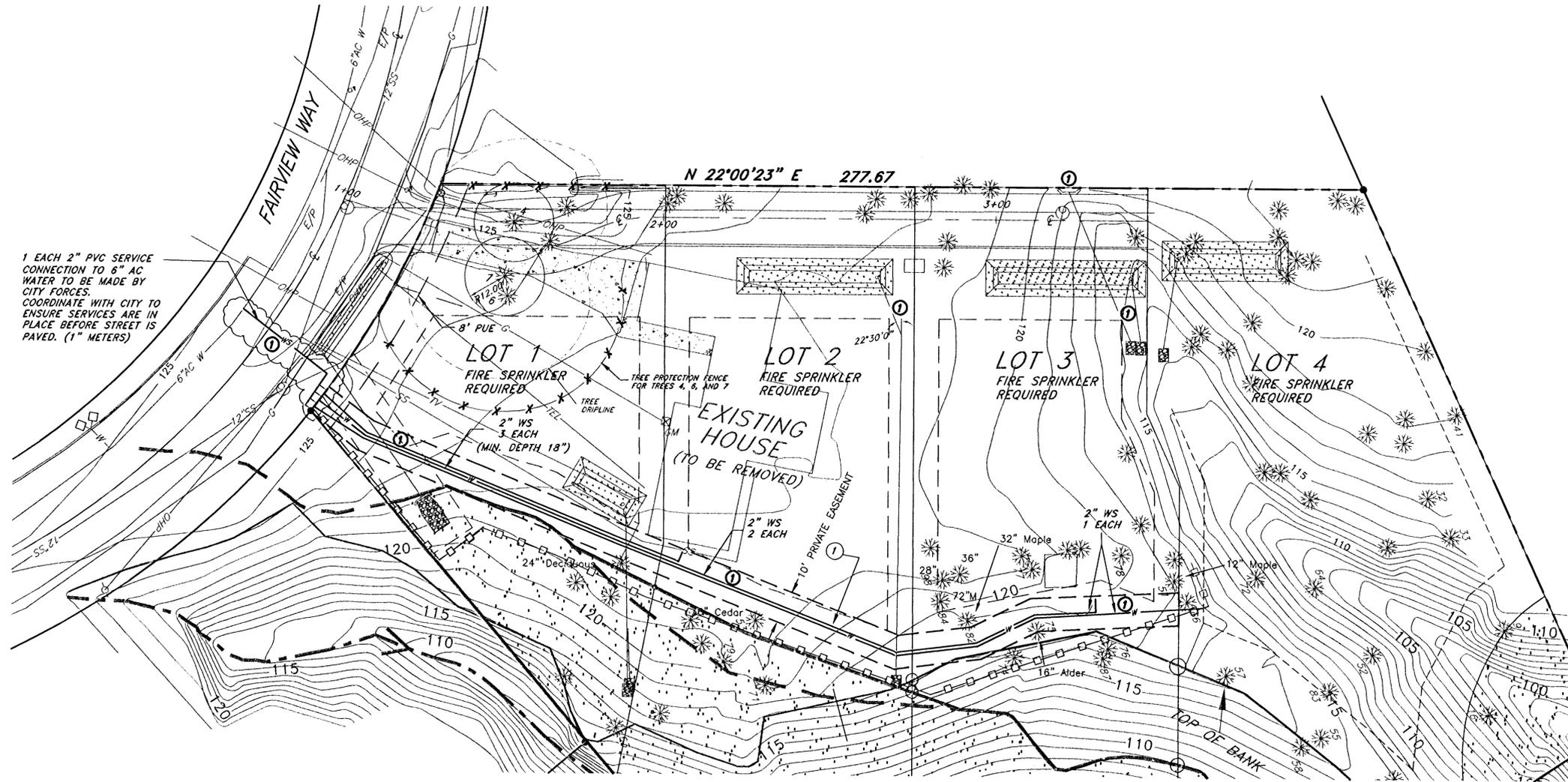
AS-BUILT

DATE 09/03/09

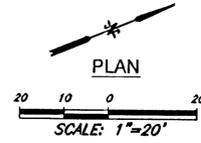
AS-BUILT REVISIONS							
09/03/09							
Exp. 12/31/09	NEEDED PROFESSIONAL SEAL	SYNDICATED					
DEHAAS & ASSOCIATES, Inc. Consulting Engineers & Surveyors		Site 300 - ACC Center 9450 S.W. Commerce Circle Wilsonville, Oregon 97070 PHONE: (503) 882-2450 FAX: 882-4018		DRAWN	DESIGNED	CHECKED	BY
CUSTOMER GSW DEVELOPMENT, LLC 3484 FAIRVIEW WAY WEST Linn, OREGON 97068 971-678-9537		DATE 03/26/09		FILE/JOB NUMBER 07.171.1379		DRAWING NAME 171_PLANS.DWG	
SANITARY SEWER & UTILITIES		SHEET 6 OF 10		M/D		REVISIONS	

FAIRVIEW ACRES

WATER



1 EACH 2" PVC SERVICE CONNECTION TO 6" AC WATER TO BE MADE BY CITY FORCES. COORDINATE WITH CITY TO ENSURE SERVICES ARE IN PLACE BEFORE STREET IS PAVED. (1" METERS)

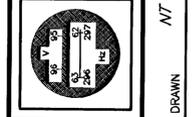


NO.	DATE	REVISIONS	BY
1	09/03/09	AS-BUILT	



DEHAAS & Associates, Inc.
 Consulting Engineers & Surveyors
 Suite 300 - A/C Center
 9450 S.W. Commerce Circle
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DEHAAS & Associates, Inc.
 Consulting Engineers & Surveyors



CUSTOMER
GSW DEVELOPMENT, LLC
 3484 FAIRVIEW WAY
 WEST LINN, OREGON 97068
 971-678-9537

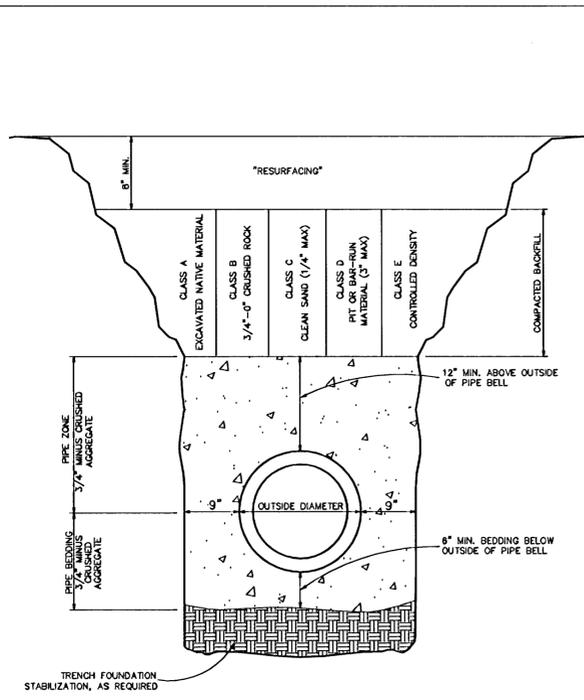
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FILE/JOB NUMBER 07.171.1379
DRAWING NAME 171_PLANS.DWG
SHEET

7 OF 10

AS-BUILT

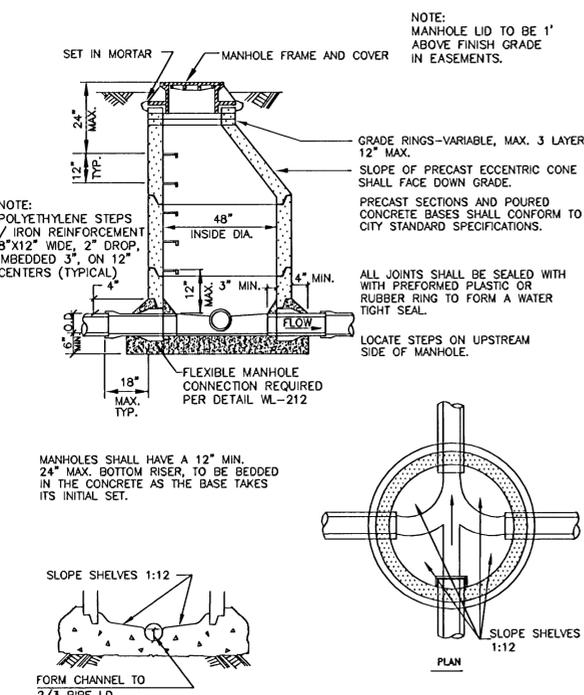
DATE 09/03/09

DRAWN: NT, DESIGNED: MJD, CHECKED: MJD



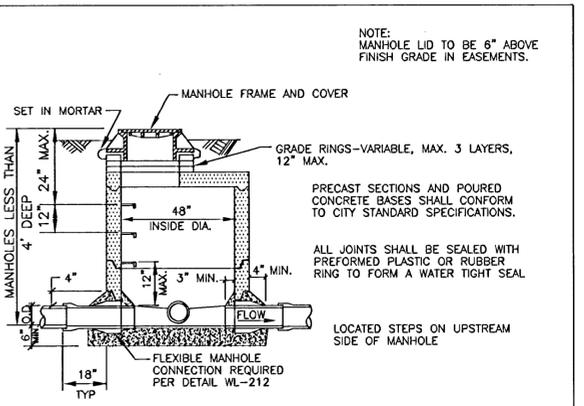
Trench Backfill, Bedding and Pipe Zone

DATE: JAN 2000
DRAWING NO. WL-200
FILE NO. 00-200



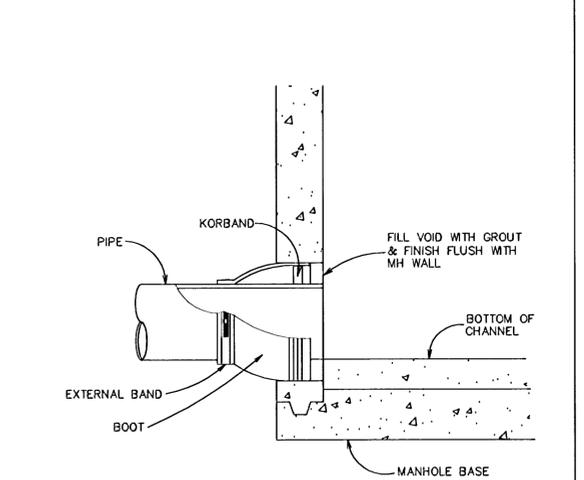
Standard Manhole for Less than 36" Pipe

DATE: JAN 2000
DRAWING NO. WL-207
FILE NO. 00-207



Shallow Manhole for Less than 36" Pipe

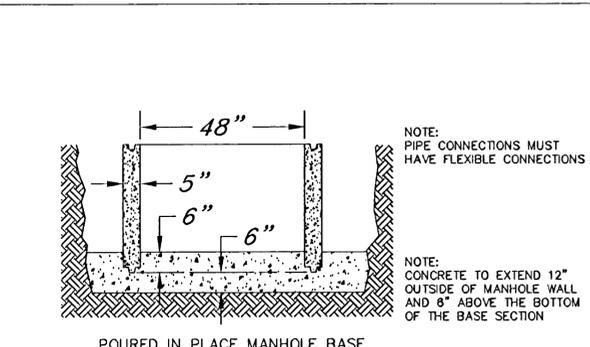
DATE: JAN 2000
DRAWING NO. WL-208
FILE NO. 00-208



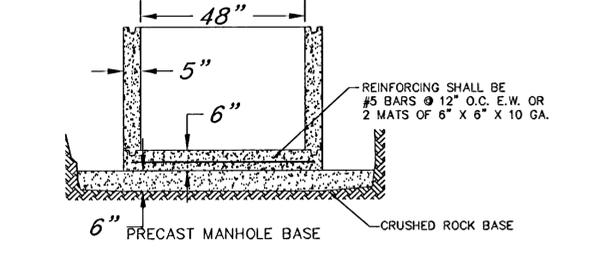
Flexible Manhole Connection (KOR-N-SEAL OR EQUAL)

Flexible Manhole Connection

DATE: JAN 2000
DRAWING NO. WL-212
FILE NO. 00-212



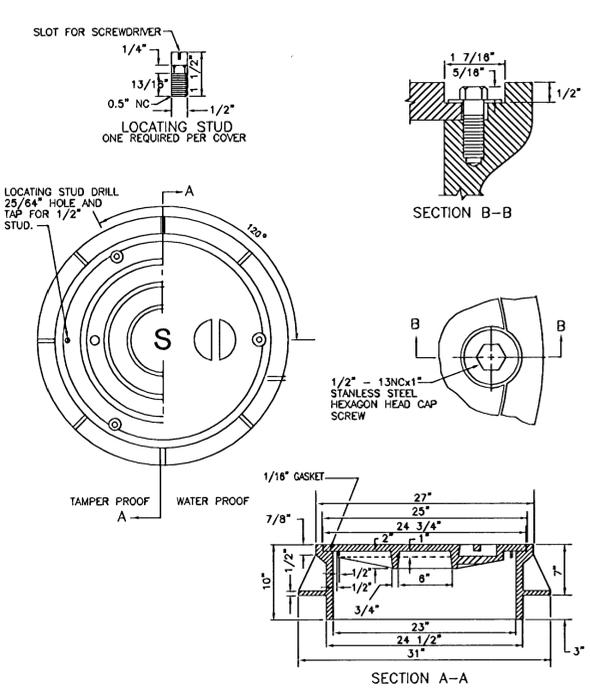
Poured in Place Manhole Base



Precast Manhole Base

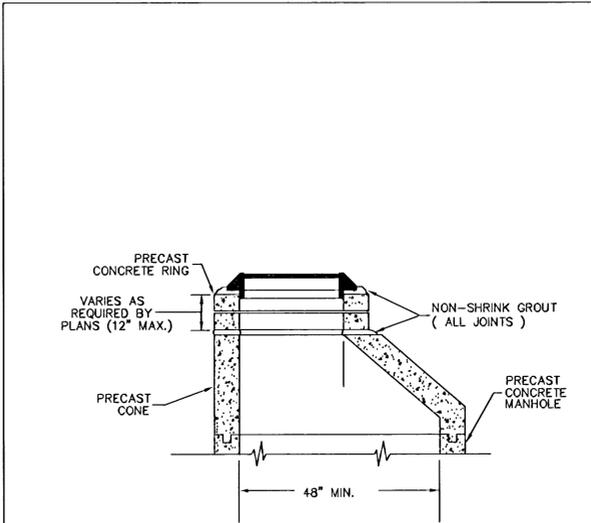
Manhole Base

DATE: JAN 2000
DRAWING NO. WL-211
FILE NO. 00-211



Waterproof and Tamperproof Manhole Frame and Cover

DATE: JAN 2000
DRAWING NO. WL-214
FILE NO. 00-214

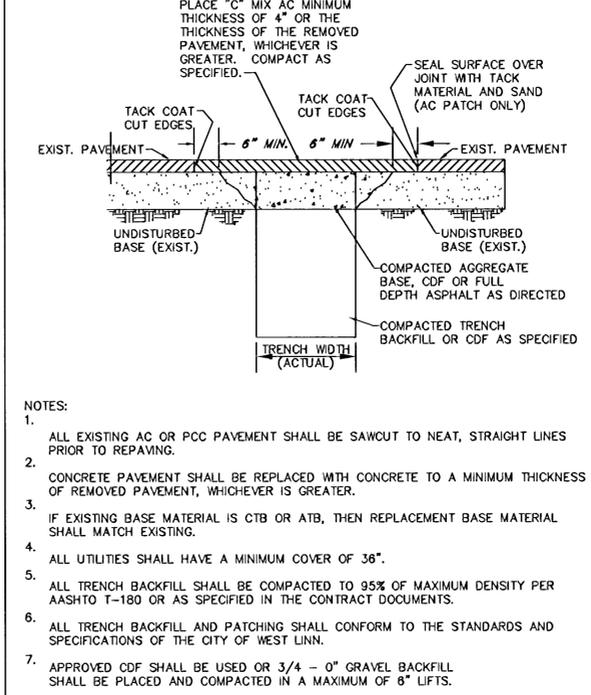


Precast Ring Extension for Typical Manhole

Precast Ring Extension

Precast Ring Extension

DATE: JAN 2000
DRAWING NO. WL-213
FILE NO. 00-213



Street T-Cut

DATE: May 2005
DRAWING NO. WL-203
FILE NO. 00-203

AS-BUILT - NO REVISIONS

09/03/09

Exp. 12/31/09

REGISTERED PROFESSIONAL ENGINEER

DEHAAS & Associates, Inc.

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971-678-9537

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PHONE: (503) 682-2450
FAX: 682-4018

DATE: 03/03/09

FILE/JOB NUMBER: 07.171.1379

DRAWING NAME: 171_PLANS.DWG

SHEET: 9 OF 10

CUSTOMER: GSW DEVELOPMENT, LLC

DATE: JAN 2000

DRAWING NO. WL-200

FILE NO. 00-200

DATE: JAN 2000

DRAWING NO. WL-208

FILE NO. 00-208

DATE: JAN 2000

DRAWING NO. WL-211

FILE NO. 00-211

DATE: JAN 2000

DRAWING NO. WL-213

FILE NO. 00-213

DATE: May 2005

DRAWING NO. WL-203

FILE NO. 00-203

DESIGNED: MJD

CHECKED: MJD

DRAWN: NT

REVISIONS

INQ. DATE

BY

