

CITY OF NEWBERG
CITY RECORDER INDEX NO. 1906**CITY OF NEWBERG**
PROFESSIONAL SERVICES AGREEMENT AMENDMENT NO. 4
July 18, 2002**Project: Mountainview Drive Construction Staking**
Consultant: WRG Design, Inc.**Summary of Proposed Changes:****1. Work Involved:**

Construction staking services for Mountainview Drive Improvement Project. Added staking for traffic signal and pedestrian poles, traffic signal control boxes, loop detectors and sidewalk ramps in scope of work. Consultant has assumed that the crew will perform the additional work in two (2) trips at five (5) hours per trip. Consultant has indicated that the office calculations and administration will be five (5) hours, and all the office and field work will be performed in a timely manner.

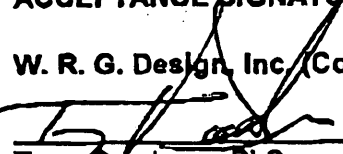
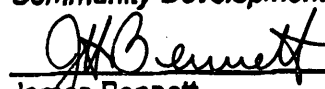
2. Cost Summary:

Original contract amount:	\$14,700.00
Net change by previous amendments:	\$ 2,405.00
Previous total:	\$17,105.00
This amendment:	\$ 1,450.00
Amended contract amount:	\$18,555.00

3. Contract Time:

The original services agreement included construction staking services for Mountainview Drive construction and College Street widening. As Oregon Department of Transportation approved the traffic signal construction plans at the intersection of E. Mountainview Drive and N. College Street (Highway 219) recently in July 2002, the City has need for the continuing services of the Consultant to provide staking for the construction contractor. This Amendment shall extend the original services agreement to October 22, 2002. Work shall be performed immediately upon notification.

All other provisions of the professional services agreement remain in force.

ACCEPTANCE SIGNATURES:**W. R. G. Design, Inc. (Consultant)**
Terry Goodman, PLS
PrincipalDate
7/18/02**City of Newberg**
Mike Soderquist, PE, PLS, DEE
Community Development DirectorDate
7-18-02
James Bennett
City ManagerDate
7-19-02

Mountainview Drive Improvement Project
Contract Addendum # CA-3
April 17, 2002, Page 1

CITY OF NEWBERG
CITY RECORDER INDEX NO. 1900

CONTRACT ADDENDUM #CA-3

Project: Mountainview Drive Improvement Project
WRG #: CON2538
Client: City of Newberg
Consultant: WRG Design, Inc.
Date: April 17, 2002

The work covered by Contract Addendum #CA-3 shall be performed under the same terms and conditions as included in the original Agreement for Consulting Services dated 2/25/2002. The Scope of Services fee shall be modified as listed below:

Task#	Description	Fee
Task 7:	Contract Addendum's: Lump Sum	

Construction Staking: This addendum includes stakes for 4 catch basins, 3 manholes, a storm outfall and approximately 300 l.f. of additional storm sewer line along the east side of College Street. The following modifications to the original fee are as follows:

Activity Code 84: Field Construction (5 hours @ \$115/hour)	\$575.00
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Activity Code 91: Office Calculations (1 1/2 hours @ \$60/hour)	\$ 90.00
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.....Subtotal: \$ 665.00

AGREEMENT

The Total Fee shall be modified to reflect this Contract Addendum:

Original contract Amount	\$14,700.00
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Current contract Amount	\$16,440.00
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Contract Amount Increase/Decrease of this change	\$ 665.00
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Revised Contract Amount	\$17,105.00
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Changes Approved By:

City of Newberg:

By

Title

Date

WRG Design, Inc.

By

Title

Date

#1906

Mountainview Drive Improvement Project
Contract Addendum # CA-2
April 11, 2002, Page 1

CONTRACT ADDENDUM #CA-2

Project: Mountainview Drive Improvement Project
WRG #: CON2538
Client: City of Newberg
Consultant: WRG Design, Inc.
Date: April 11, 2002

The work covered by Contract Addendum #CA-2 shall be performed under the same terms and conditions as included in the original Agreement for Consulting Services dated 2/25/2002. The Scope of Services fee shall be modified as listed below:

<u>Task</u>	<u>Description</u>	<u>Fee</u>
Task 7:	Contract Addendum's: Lump Sum	

Construction Staking: This addendum includes staking for the proposed 5' dedication line and the back of sidewalk along the east side of College Street between Mountainview Drive and Green Valley Drive. The following modifications to the original fee are as follows:

Activity Code 84: Field Construction
(4 hours @ \$115/hour)

\$460.00

Activity Code 91: Office Calculations
(2 hours @ \$60/hour)

\$120.00

.....Subtotal: \$ 580.00

AGREEMENT

The Total Fee shall be modified to reflect this Contract Addendum:

Original contract Amount	\$14,700.00
Current contract Amount	\$15,860.00
Contract Amount Increase/Decrease of this change	\$ 580.00
Revised Contract Amount	\$16,440.00

Changes Approved By:

City of Newberg:

By

Title

Date

[Signature]
COMMUNITY DEV'T DIRECTOR
4/12/02

WRG Design, Inc.

By

Title

Date

[Signature]
PRINCIPAL
4/11/02

Mountainview Drive Improvement Project
Contract Addendum # CA-1
Date, Page 1

CITY OF NEWBERG
CITY RECORDER INDEX NO. 1906

CONTRACT ADDENDUM #CA-1

Project: Mountainview Drive Improvement Project
WRG #: CON2538
Client: City of Newberg
Consultant: WRG Design, Inc.
Date: March 13, 2002

The work covered by Contract Addendum #CA-1 shall be performed under the same terms and conditions as included in the original Agreement for Consulting Services dated 2/25/2002. The Scope of Services fee shall be modified as listed below:

Task#	Description	Fee
Task 7:	Contract Addendum's: Lump Sum	

Construction Staking: This addendum reflects the change of grades received via fax on 3/12/02 from the City of Newberg. The limits of this change are from stations 18+00 through station 26+72.97. The following modifications to the original fee are as follows:

Activity Code 84: Field Construction (8 hours @ \$115/hour)	\$920.00
--	----------

Activity Code 91: Office Calculations (4 hours @ \$60/hour)	\$240.00
--	----------

..... Subtotal: \$ 1,160.00

AGREEMENT

The Total Fee shall be modified to reflect this Contract Addendum:

Original contract Amount	\$14,700.00
--------------------------	-------------

Revised Contract Amount	\$15,860.00
-------------------------	-------------

Changes Approved By:

City of Newberg:

By

Title

Date

[Signature]
COMMUNITY DEV'T DIRECTOR
3/13/02

WRG Design, Inc.

By

Title

Date

[Signature]
PRINCIPAL
3/13/02

CITY OF NEWBERG
AGREEMENT WITH WRG DESIGN INC.
TO PROVIDE CONSTRUCTION STAKING SERVICES
TO THE CITY OF NEWBERG

THIS AGREEMENT is entered into this 22 day of March, 2002 by and between the City of Newberg, a municipal corporation of the State of Oregon, hereinafter called **City**, and WRG Design Inc.

5415 SW Westgate Drive, Suite 100

Portland, OR 97221

Phone: (503) 419-2500

Fax: (503) 419-2600

Email: tlg@wrgd.com

hereinafter called **Consultant**.

RECITALS:

1. **City** has need for the services of a **Consultant** with particular training, ability, knowledge, expertise and experience possessed by **Consultant**.
2. **City** has chosen the **Consultant** using the RFP method. Six out of seven firms responded and WRG Design Inc. scored the highest by the selection panel. WRG Design Inc. will provide the least expensive construction staking services related to Mountainview Drive Improvements Project.

NOW, THEREFORE, in consideration of mutual promises, covenants and agreements of the parties, it is agreed as follows.

1. **Effective Date and Duration:** This Agreement shall become effective on the date that this Agreement has been signed by every party hereto.

Unless, terminated or extended, this Agreement shall expire when the **City** accepts **Consultant's** completed performance or on May 22, 2002, whichever date occurs first. This fact notwithstanding, the services of **Consultant** shall be authorized and paid for on a monthly basis and as described in Exhibit "A".

Expiration shall not extinguish or prejudice **City's** right to enforce this Agreement with respect to any breach of a **Consultant** warranty or any fault or defect in **Consultant's** performance that has not been cured.

2. **Termination:** This Agreement may be terminated at any time by mutual, written consent of the parties. The **City** may, at its sole discretion terminate this Agreement in whole or part upon a 30-day written notice to **Consultant**. The **City** may terminate immediately upon notice to the **Consultant** that the **City** does not have funding, appropriations, or other necessary expenditure authority to pay for **Consultant's** work. The **City** may

terminate Agreement at any time for material breach. This Agreement may be terminated by either party at the end of a project phase as defined in Exhibit "A" or at any time upon a 30-day written notice.

3. **Scope of Work:** The **Consultant** agrees to provide the services provided in the Scope of Work in the proposal dated February 25, 2002, which is Exhibit "A" and attached hereto and incorporated by this reference. The **Consultant** represents and warrants to the **City** that the **Consultant** can perform the work outlined in the Scope of Work for the fee proposal amount.

4. **Compensation:** The **Consultant** agrees to perform the work for a not-to-exceed fee as indicated in their professional fee proposal obtained in the Scope of Work. The not-to-exceed figure is as follows:

\$14,700.00

The **Consultant** shall not exceed the fee for any task included in the fee proposal amount. If the **Consultant** sees that the fee is going to exceed the not-to-exceed figure because the task has changed or is outside the scope, the **Consultant** shall notify the **City** in writing of

the circumstances with an estimated amount that the fee is to be exceeded. The **Consultant** shall obtain written permission from the **City** before exceeding the not-to-exceed fee amount. If the **Consultant** does work that exceeds the maximum fee amount prior to obtaining the written permission, the **Consultant** waives any right to collect that fee amount.

5. Additional Work Not Shown within the Scope of Work: If **City** requests or requires work to be done not within the Scope of Work of this project, the **Consultant** shall notify the **City** of such work, provide an estimated fee amount, and obtain written instructions to proceed with work in the form of an Agreement amendment prior to proceeding with work and incurring any costs on behalf of the **City**. If **Consultant** proceeds with work prior to obtaining permission and/or Agreement amendment, the **Consultant** waives any right to collect fees for work performed.

6. Agreement Documents: This Agreement consists of the following documents which are listed in descending order of preference: This Agreement with attached Exhibits, (Exhibit "A" - the proposal of the **Consultant**; and Exhibit "B" - the Request For Proposals with Addendum No. 1). Work is under the sole control of **Consultant**, however, the work contemplated herein must meet the approval of the **City** and shall be subject to **City's** general right of inspection and supervision to secure the satisfactory performance thereof. The **Consultant** shall coordinate fully with the **City** and the construction contractor (Excel Excavation Inc.) and to meet the tight construction schedule.

7. Benefits: **Consultant** will not be eligible for any federal social security, state workers compensation, unemployment insurance, or public employees' retirement system benefits from the Agreement payment except as a self-employed individual.

8. Federal Employment Status: In the event any payment made pursuant to this Agreement is to be charged against federal funds, **Consultant** certifies that he or she is not currently employed by the federal government and the amount charged does not exceed his or her normal charge for the type of services provided.

9. Consultant's Warranties: The work to be performed by **Consultant** includes services generally performed by **Consultant** in his/her usual line of business. The work performed by the **Consultant** under this Agreement shall be performed in a good and businesses-like manner in accordance with the highest professional standards. The **Consultant** shall, at all times, during the term of this Agreement, be qualified, be professionally competent, and duly licensed to perform the work.

10. Indemnity: **Consultant** shall defend, indemnify and hold harmless **City** from and against all liability or loss and

against all claims, suits, actions, losses, damages, liabilities, costs, and expenses of any nature whatsoever resulting from, arising out, or relating to the activities of the **Consultant**, or its officers, employees, subcontractors, or agents under this Agreement.

11. Independent Contractor: **Consultant** is not currently employed by the **City**. The parties to this Agreement intend that the **Consultant** perform all work as an Independent Contractor. No agent, employee, or servant of **Consultant** shall be or shall be deemed to be the employee, agent or servant of **City**. **City** is interested only in the results obtained under this Agreement; the manner and means of conducting the work are under the sole control of **Consultant**, however, the work contemplated herein must meet the approval of the **City** and shall be subject to **City's** general right of inspection and supervision to secure the satisfactory performance thereof.

12. Taxes: **Consultant** will be responsible for any federal or state taxes applicable to payments received under this Agreement. **City** will report the total of all payments to **Consultant**, including any expenses, in accordance with the Federal Internal Revenue Service and the State of Oregon Department of Revenue regulations.

13. Insurance:

a) **Consultant**, its subconsultants, if any, and all employers working under this agreement are subject employers under the Oregon Workers' Compensation Law and shall comply with ORS 656.017, which requires them to provide workers' compensation coverage for all their subject workers; or by signing this Agreement, **Consultant** represents that he or she is a sole proprietor and is exempt from the laws requiring workers' compensation coverage.

b) **Consultant** will, at all times, carry a Commercial General Liability insurance policy for at least \$1,000,000.00 combined single limits per occurrence for Bodily Injury, Property Damage, and Personal Injury. If the policy is written on the new occurrence form then the aggregate limit shall be \$2,000,000.00. The **City**, its agents, employees and officials all while acting within their official capacity as such, shall be named as an additional insured on the insurance specified in this paragraph.

c) **Consultant** will, at all times, carry a Professional Liability/Errors and Omission type policy with limits of at least \$500,000.00. If this policy is a "claims made" type policy, the policy type and company shall be approved by the **City** Manager prior to commencement of any work under this Agreement.

d) **Consultant** shall furnish the **City** with Certificates of Insurance upon execution of Agreement. Such Certificates of Insurance evidencing any policies required by this Agreement shall be delivered to the **City** prior to the commencement of any work. A 30-day notice of cancellation clause shall be included in said certificate.

The **City** has the right to reject any certificate for unacceptable coverage and/or companies.

14. **Assignment:** The parties hereto each bind themselves, their partners, successors, assigns and legal representatives of such other party in respect to all terms of this Agreement. Neither party shall assign the Agreement as a whole without written consent of the other.

15. **Ownership of Work Product:** All original documents prepared by **Consultant** in performance of this Agreement, including but not limited to original maps, plans, drawing and specifications are the property of **City** unless otherwise agreed in writing. Quality reproducible records copies shall be provided to **City** at **City's**

expense, upon request. **City** shall indemnify and hold harmless **Consultant** and **Consultant's** independent professional associates or **Subconsultants** from all claims, damages, losses and expenses including attorney's fees arising out of any unauthorized use of any instruments of professional service.

16. **Entire Agreement:** This Agreement constitutes the entire Agreement between the parties and supersedes all prior agreements, written and oral, courses of dealing, or other understanding between the parties. No modification of this Agreement shall be binding unless in writing and signed by both parties.

IN WITNESS WHEREOF, the parties have executed this Agreement on the date first above mentioned.

CONSULTANT

By: WRG DESIGN, INC.

Name: Terry L. Goodman

Title: PRINCIPAL

Date: 3/5/02

Division Approval: RLM

Recommended for Approval By:

Michael Soderquist
Michael Soderquist, P.E., P.L.S., DEE
Community Development Director

CITY OF NEWBERG

By: Terrence D. Mahr

Name: Terrence D. Mahr

Title: City Manager Pro Tem

Date: 3/12/02

Approved as to form:

Terrence D. Mahr
Terrence D. Mahr
City Attorney

Client#: 13658

WRGDE

ACORD™ CERTIFICATE OF LIABILITY INSURANCE		DATE (MM/DD/YY) 03/06/02
PRODUCER BR&R Insurance 4322 SE 182nd Avenue Gresham, OR 97030-5058 503 666-5544	RECEIVED MAR 08 2002 <i>[Signature]</i>	THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.
INSURED WRG Design, Inc. 5415 SW Westgate Drive Suite 100 Portland, OR 97221	INSURERS AFFORDING COVERAGE INSURER A: Valley Insurance INSURER B: S.A.I.F. Corp. INSURER C: Victor O. Schinnerer & Co., Inc. INSURER D: INSURER E:	

COVERAGES

THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. AGGREGATE LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS												
A	GENERAL LIABILITY ☒ COMMERCIAL GENERAL LIABILITY ☐ CLAIMS MADE ☒ OCCUR ☒ PD Ded:250 ☒ OCP GEN'L AGGREGATE LIMIT APPLIES PER: ☐ POLICY ☐ PRO-JECT ☐ LOC	4101CP201108	01/19/02	01/19/03	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>EACH OCCURRENCE</td><td style="text-align: right;">\$1,000,000</td></tr> <tr><td>FIRE DAMAGE (Any one fire)</td><td style="text-align: right;">\$250,000</td></tr> <tr><td>MED EXP (Any one person)</td><td style="text-align: right;">\$5,000</td></tr> <tr><td>PERSONAL & ADV INJURY</td><td style="text-align: right;">\$1,000,000</td></tr> <tr><td>GENERAL AGGREGATE</td><td style="text-align: right;">\$2,000,000</td></tr> <tr><td>PRODUCTS - COMP/OP AGG</td><td style="text-align: right;">\$2,000,000</td></tr> </table>	EACH OCCURRENCE	\$1,000,000	FIRE DAMAGE (Any one fire)	\$250,000	MED EXP (Any one person)	\$5,000	PERSONAL & ADV INJURY	\$1,000,000	GENERAL AGGREGATE	\$2,000,000	PRODUCTS - COMP/OP AGG	\$2,000,000
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PRODUCTS - COMP/OP AGG	\$2,000,000																
A	AUTOMOBILE LIABILITY ☒ ANY AUTO ☐ ALL OWNED AUTOS ☐ SCHEDULED AUTOS ☒ HIRED AUTOS ☒ NON-OWNED AUTOS ☒ Drive Other Car	4101CP201108	01/19/02	01/19/03	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>COMBINED SINGLE LIMIT (Ea accident)</td><td style="text-align: right;">\$1,000,000</td></tr> <tr><td>BODILY INJURY (Per person)</td><td style="text-align: right;">\$</td></tr> <tr><td>BODILY INJURY (Per accident)</td><td style="text-align: right;">\$</td></tr> <tr><td>PROPERTY DAMAGE (Per accident)</td><td style="text-align: right;">\$</td></tr> </table>	COMBINED SINGLE LIMIT (Ea accident)	\$1,000,000	BODILY INJURY (Per person)	\$	BODILY INJURY (Per accident)	\$	PROPERTY DAMAGE (Per accident)	\$				
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PROPERTY DAMAGE (Per accident)	\$																
	GARAGE LIABILITY ☐ ANY AUTO				<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>AUTO ONLY - EA ACCIDENT</td><td style="text-align: right;">\$</td></tr> <tr><td>OTHER THAN AUTO ONLY: EA ACC</td><td style="text-align: right;">\$</td></tr> <tr><td>AGG</td><td style="text-align: right;">\$</td></tr> </table>	AUTO ONLY - EA ACCIDENT	\$	OTHER THAN AUTO ONLY: EA ACC	\$	AGG	\$						
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A	EXCESS LIABILITY ☒ OCCUR ☐ CLAIMS MADE ☐ DEDUCTIBLE ☒ RETENTION \$10000	4101CU201108	01/19/02	01/19/03	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>EACH OCCURRENCE</td><td style="text-align: right;">\$5,000,000</td></tr> <tr><td>AGGREGATE</td><td style="text-align: right;">\$</td></tr> <tr><td></td><td style="text-align: right;">\$</td></tr> <tr><td></td><td style="text-align: right;">\$</td></tr> <tr><td></td><td style="text-align: right;">\$</td></tr> </table>	EACH OCCURRENCE	\$5,000,000	AGGREGATE	\$		\$		\$		\$		
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B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY	A522520138	10/01/01	10/01/02	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>WC STATUTORY LIMITS</td> <td>OTH-ER</td> <td></td> </tr> <tr><td>E.L. EACH ACCIDENT</td><td></td><td style="text-align: right;">\$100,000</td></tr> <tr><td>E.L. DISEASE - EA EMPLOYEE</td><td></td><td style="text-align: right;">\$100,000</td></tr> <tr><td>E.L. DISEASE - POLICY LIMIT</td><td></td><td style="text-align: right;">\$500,000</td></tr> </table>	WC STATUTORY LIMITS	OTH-ER		E.L. EACH ACCIDENT		\$100,000	E.L. DISEASE - EA EMPLOYEE		\$100,000	E.L. DISEASE - POLICY LIMIT		\$500,000
WC STATUTORY LIMITS	OTH-ER																
E.L. EACH ACCIDENT		\$100,000															
E.L. DISEASE - EA EMPLOYEE		\$100,000															
E.L. DISEASE - POLICY LIMIT		\$500,000															
C	OTHER Professional Liability	AEA113747234	08/07/01	08/07/02	2,000,000												

DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES/EXCLUSIONS ADDED BY ENDORSEMENT/SPECIAL PROVISIONS

** General Liability Information **

Job#: 1

** Supplemental Name **

(See Attached Descriptions)

CERTIFICATE HOLDER City of Newberg 414 E First St. Newberg, OR 97132	ADDITIONAL INSURED; INSURER LETTER: CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING INSURER WILL ENDEAVOR TO MAIL 030 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO DO SO SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE INSURER, ITS AGENTS OR REPRESENTATIVES. AUTHORIZED REPRESENTATIVE <i>[Signature]</i>
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IMPORTANT

If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

DISCLAIMER

The Certificate of Insurance on the reverse side of this form does not constitute a contract between the issuing insurer(s), authorized representative or producer, and the certificate holder, nor does it affirmatively or negatively amend, extend or alter the coverage afforded by the policies listed thereon.

DESCRIPTIONS (Continued from Page 1)

First Supplemental Name applies to all policies - WRG Design, Inc.
First Supplemental Name applies to all policies - First Supplemental Name
applies to all policies - : James Dalton & Associates & JDA

PER FORM CG2010 3/97
RE: Staking Mt. View Drive

COMMERCIAL GENERAL LIABILITY CG2010

THIS ENDORSEMENT CHANGES THE POLICY...PLEASE READ IT CAREFULLY

ADDITIONAL INSURED-OWNERS, LESSES OR CONTRACTORS
SCHEDULED PERSON OR ORGANIZATION

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

WHO IS AN INSURED (Section II) is amended to include as an insured the person or organization shown in Schedule, but only with respect to liability arising out of your ongoing operations performed for that insured.

SCHEDULE

NAME OF PERSON OR ORGANIZATION

The City of Newberg its officers, agents and employees are listed as additional insureds.

E x h i b i t “ A ”

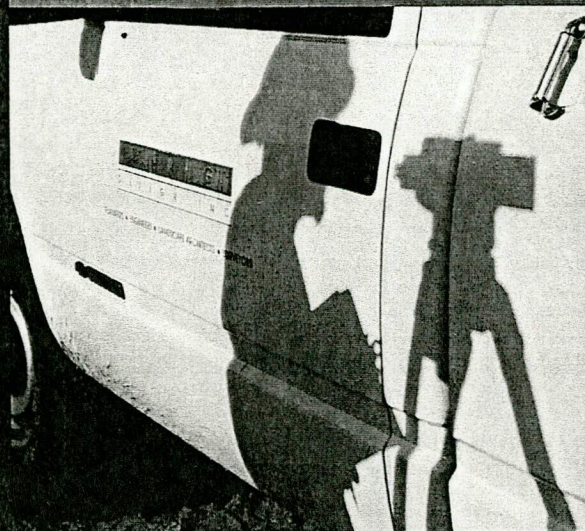
The Proposal of the Consultant

Statement of Proposal



*Proposal for
Construction Staking Services
for Mountainview Drive
Improvements Project
CIP 702129*

*Prepared for
City of Newberg*



Submitted

February 25, 2002

By

W R G
DESIGN INC.

February 25, 2002

Mr. Paul Chiu, PE
Senior Engineer/Project Manager
City of Newberg
414 East First Street
Newberg, OR 97132



DEVELOPMENT
SERVICES



LAND
PLANNING



CIVIL
ENGINEERING



LANDSCAPE
ARCHITECTURE



LAND
SURVEY

**RE: Request for Proposals for Construction Staking Services for Mountainview Drive
Improvements Project; CIP 702129**

Dear Mr. Chiu,

WRG Design, Inc. is pleased to submit this response to your Request for Proposals. City of Newberg's needs, as outlined in the Request for Proposal, are compatible with the land surveying and project management capabilities of our team. WRG Design has over 10 years experience providing professional services to public jurisdictions and private developers throughout the Portland metropolitan region. We have assembled a team of professionals whose experience and expertise in survey design and field surveying, and specifically construction staking will assure the success of the City's Mountainview Drive project. I am highly familiar with the project location. I have lived in Newberg for many years, I currently reside a few blocks from the project site and understand the needs of the neighborhood specifically and the City of Newberg in general.

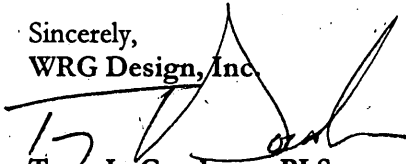
I will serve as Principal in Charge/Project Manager and will have the authority to represent **WRG Design** in contract negotiations and sign any contract or agreements that may result. We are willing to sign the PSA without modifications.

WRG's Federal Tax ID # is 93-1046245 and the Oregon Tax ID # is 0-657-968-7. WRG Design is a Resident Bidder and our proposal is valid for ninety (90) days from February 25, 2002.

If we can leave you with one impression, it is this: We build relationships with our clients. When you have WRG on your team, your goals become our goals.

On behalf of all the staff of **WRG Design**, thank you for taking time to review our proposal. We look forward to your response.

Sincerely,
WRG Design, Inc.


Terry L. Goodman, PLS
Principal

Contact information: Phone: 503-419-2500
Fax: 503-419-2600
E-mail: tlg@wrgd.com

5415 SW Westgate Dr.
Suite 100
Portland, OR
97221

PH 503/419-2500
FX 503/419-2600

www.wrgd.com

3.3.2 KEY PERSONNEL QUALIFICATIONS



TRANSPORTATION EXPERTS. WRG Design, has successfully completed more than 75 transportation and infrastructure projects throughout the Portland metro area. These projects included feasibility studies, field surveying, construction staking, and construction inspection, land use planning, preliminary alignment design, public involvement, final street design, erosion control plans, streamside restoration design, landscape architecture, and permit processing. Our survey team has specific expertise in construction staking for road improvement projects.

FULL SERVICE. WRG Design Inc. is a multi-disciplinary consulting firm that provides professional services for civil engineering, land surveying, land use planning, landscape architecture, project management, water resources, and construction management for the public and private sector.

WRG is owned and operated by four principals: Darren Welborn, PE; Ben Williams, PE; Jon Reimann, PE; and Terry Goodman, PLS. Our staff is organized in a discipline-based, team structure. Each team is led by a Principal in Charge, who is responsible for quality control, client satisfaction, budget maintenance, and time management for all projects.

SOLID TECHNICAL SKILLS. WRG was established to fulfill the need for diverse services performed on an individual basis. We are a team of professionals with solid technical and managerial abilities. We are recognized for completing projects in a timely, cost-effective manner.

OUTSTANDING COMMUNICATION. Beyond our technical capabilities, the most valuable product WRG Design can offer you is our personal service. Our priority is to give City of Newberg project managers and staff the attention they deserve and require. This assures that we achieve your goals and expectations for the Mountainview Drive project. We are recognized for performing efficiently at high standards and communicating openly. This quality of service distinguishes us from all other firms.

Our Key Personnel are experts in all aspects of land surveying, with specific expertise coordinating tight schedules for construction staking projects. We have assembled a team of professionals who maintain schedules and budgets, while providing the highest quality surveying services.

■ **Terry Goodman, PLS, Principal in Charge/Project Manager.** (registered in Oregon)

Mr. Goodman is a licensed Oregon Professional Land Surveyor and has 23 years experience in survey work, including 13 years as a principal. Mr. Goodman has twenty years of extensive experience in boundary, topographical and construction surveying. Terry has operated and managed survey departments from as few as one field to as many as sixteen field crews. This accumulation of knowledge and experience has helped Mr. Goodman develop a standard for providing the diversification of a large company with the personal commitment and service of a small firm. Currently Terry manages WRG's 35-person survey department including 10 field crews. Mr. Goodman has worked on numerous projects throughout the Northwest from large multi-disciplinary public improvements to small private developments.

Mr. Goodman is also actively involved in the Professional Land Surveyors of Oregon, previously serving as president of the Pioneer Chapter. Terry is not only committed to supporting the survey profession on the local level, but also on the regional and national levels.

REPRESENTATIVE PROJECTS

- ♦ Baker Creek Road Extension, *McMinville, Ore.*
- ♦ Clean Water Services (USA), *Hillsboro, Ore.*

3.3.2 KEY PERSONNEL QUALIFICATIONS

- ◆ Cornelius Pass/West Union Rd., *Washington County, Ore.*
- ◆ Allen Blvd. Improvements, *Beaverton, Ore.*
- ◆ Hillsboro Sports Complex, *Hillsboro, Ore.*
- ◆ 229th Ave Realignment, *Happy Valley, Ore.*
- ◆ Newberg Hospital, *Newberg, Ore.*
- ◆ Cornell Road, *Washington County, Ore.*
- ◆ MLK & Grand Avenue Streetscape, *Portland, Ore.*
- ◆ 92nd & Johnson Creek Boulevard, *Clackamas County, Ore.*
- ◆ 158th LID, *Portland, Ore.*
- ◆ Linn County Fairgrounds, *Albany, Ore.*

■ Scott Roberts, LSIT, Project Construction Survey Manager

Scott is a Survey Construction Manager at WRG Design. He has 12 years experience in boundary, topography and construction surveying. Scott has supervised and scheduled as many as nine field crews at a time. Scott's positive attitude and ability to handle the hectic schedules associated with construction have helped him establish valuable working relationships among clients, contractors and project engineers. Scott is a vital member of the Quality Control Team at WRG—he is in charge of reviewing the final construction documents and completing the last review prior to setting the construction stakes. He coordinates revisions and modifications that arise on the fast-track design/build projects. Scott's extra effort assures WRG, our client, and the contractor that the project will be constructed in keeping with the intent of the design. Scott has worked on projects throughout Oregon and Washington for public jurisdictions and private developments. He is known for his attention to detail and outstanding project management.

REPRESENTATIVE PROJECTS

- ◆ USA (Clean Water Services), *Hillsboro, Ore.*
- ◆ Target Regional Distribution Center, *Albany, Ore.*
- ◆ Mary's Woods, *Marylhurst, Ore.*
- ◆ Amberglen Business Park, *Hillsboro, Ore.*
- ◆ Albertsons, *(multiple Oregon locations)*
- ◆ Home Depot, *Oregon City, Ore.*
- ◆ Hillsboro Sports Complex, *Hillsboro, Ore.*
- ◆ Tri-Met Light Rail (Murray Station & SW 170th Station), *Beaverton, Ore.*

■ Craig Morris, Project Field Crew Coordinator

Mr. Morris is a Survey Coordinator at WRG Design. He has seven years experience in all aspects of land surveying, including construction staking, topography, and boundary. Craig coordinates work between clients, contractors, and field survey crews to assure that project schedules run on time and on budget.

REPRESENTATIVE PROJECTS

- ◆ Baker Creek Road Extension, *McMinnville, Ore.*
- ◆ Clean Water Services (USA), *Hillsboro, Ore.*
- ◆ Newberg Hospital, *Newberg, Ore.*
- ◆ Allen Blvd. Improvements, *Beaverton, Ore.*
- ◆ Hillsboro Sports Complex, *Hillsboro, Ore.*
- ◆ 229th Ave Realignment, *Happy Valley, Ore.*
- ◆ Cornell Road, *Washington County, Ore.*
- ◆ MLK & Grand Avenue Streetscape, *Portland, Ore.*

3.3.3 PROJECT SCOPE & UNDERSTANDING

3.3.4 PROJECT SCHEDULE

WRG Design understands that the City of Newberg is seeking a consultant to provide construction staking services for Mountainview Drive Improvements Project. WRG also understands that successful completion of the project requires maintaining a tight project schedule and timely coordination with the City.

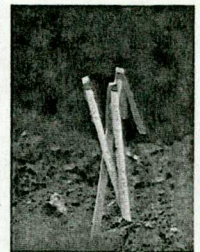
The scope of work includes construction staking for approximately a half mile of two-lane asphalt roadway, from North College St. to North Villa Rd. The staking will consist of stakes for rough grading, final grading (curbs), sanitary sewer, storm sewer, water, and sound wall. The offsets and intervals used will be as called for in the Request for Proposal.



WRG Design will provide a survey crew on site to provide staking services within 48 hours of a request from the City. In advance of staking, WRG will calculate from plans to identify any problems that may occur during staking. After each field staking, WRG will fax cut sheets to the City for review.

To maintain quality control for this project, Terry Goodman, PLS, and Scott Roberts, LSIT, will oversee survey calculations and survey crews to assure that the staking is accurate and consistent with engineering plans. By calculating in advance of staking, WRG will ensure that any errors or inconsistencies that may exist will be identified before field staking. WRG will coordinate with the City to make sure that the staking that follows is accurate and precise. As WRG stakes, the crews will check the design location against existing field conditions for any possible errors or problems.

WRG Design currently maintains five field survey crews. This project is a top priority for our team and we will have experienced and professional surveyors assigned for construction staking as requested by the City. Our in-office survey personnel will provide calculations to crews before staking. During staking, field crews maintain radio communication with office personnel.



WRG Design understands that the survey schedule for construction staking will be dictated by the project schedule. All staking requested will begin within 48 hours of notice to proceed and will be executed in a timely and accurate manner.

All RFP items have been covered in this proposal.

Survey Fee Breakdown for Mountainview Drive Improvements

Staking Category:	Fees	Subtotals	Totals
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3.3.5 Fee Schedule

2.4.1 Street Staking:

Rough Grade Staking (2 days)		\$2,800.00		
Final Grade Staking (3 days)	+	\$3,600.00	=	\$6,400.00

2.4.2 Utility Staking:

Sanitary (1 1/2 days)		\$2,000.00		
Storm (2 days)		\$2,800.00		
Water (1 day)	+	\$1,800.00	=	\$6,600.00

2.4.3 Sound Wall Staking:

Sound Wall Staking (1 day)	+	\$1,700.00	=	\$1,700.00
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Total Scope Fee	\$14,700.00
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3.3.6 ADDITIONAL SUPPORTING INFORMATION

Successful relationships are important to everyone at WRG. We hope you will contact one or all of the individuals who are familiar with our firm. Our satisfied clients are the greatest testimony to our ability to provide the City of Newberg with the client service and results you require.

Cornelius Pass/West Union Road Improvements, Hillsboro, Ore. WRG was hired by Washington County Capital Projects Group under a three-year flexible services contract to provide survey, engineering and landscape architecture for the County's MSTIP and Road Fund projects. WRG is currently providing construction staking for this project. Survey work included topography, boundary, pre-construction survey, and post-construction surveying. WRG completed all of the topographic and right-of-way survey, preliminary and final engineering and landscape architecture.

Reference: Bill Hunter, Washington County; 503-846-7828

Clean Water Services, Beaverton, Ore. WRG's survey department has been providing on-call services for Clean Water Services since 1998. Most recent projects include survey design and construction staking for their River Rd trunk line, North Sylvan Creek sanitary sewer, and Creekside/126th Ave., all located in Washington County.

Reference: Steve Lampert, Clean Water Services; 503-684-8621

AmberGlen Business Center, Hillsboro, Ore. WRG is began providing civil engineering, land surveying, and landscape architecture services for this 250-acre science park in 1990. When completed, this 10-phase project will include over 2 million sf. of office/commercial buildings. The project has been phased over 12 years and includes a multi-disciplined approach to the many issues involved in creating a project of this magnitude. WRG performed the civil engineering, survey and construction management for the \$3 million realignment of Walker Road (Minor Arterial) and AmberGlen Parkway (Major Collector). Survey work included boundary, topography, construction staking, plats, and as-builts.

Reference: Chris Humphries, Birtcher Properties; 503-748-1025

Mary's Woods, Lake Oswego, Ore. Mary's Woods is a 75-acre continued care community developed by the Sisters of the Holy Names Jesus and Mary. Located in a beautiful Portland suburb, Mary's Woods is comprised of cottages, apartments, assisted care and full-care facilities. WRG worked closely with Dietrich Mithun to provide civil engineering, surveying, and environmental graphics for this unique residential development. WRG Design provided topographic and boundary survey, easement descriptions, construction staking, final as-built survey, as well as civil engineering for this large-scale and complex project.

Reference: Don Hynes, Owner's Representative; 503-675-2406

REPRESENTATIVE PUBLIC CLIENTS

Clean Water Services
Washington County
Portland Development Commission
Clackamas County
City of Beaverton
City of Portland
City of Hillsboro
City of West Linn
City of Lake Oswego
Beaverton School District

E x h i b i t “ B ”

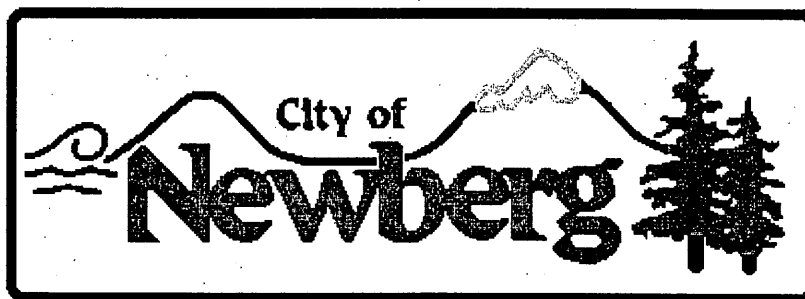
**Request For Proposals
with Addendum No. 1**

CITY OF NEWBERG, OREGON

COMMUNITY DEVELOPMENT DEPARTMENT

REQUEST FOR PROPOSALS

**Construction Staking Services for Mountainview Drive
Improvements Project**
CIP 702129



February 15, 2002

Address proposals to:

City of Newberg, City Hall

Attention: Paul Chiu, P.E., Senior Engineer/Project Manager ... 503-554-1751

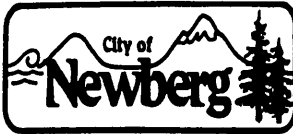
Location: 414 E. First Street, Newberg, OR 97132

Mailing: P.O. Box 970, Newberg, OR 97132

Proposals due: Monday, February 25, 2002 at 2:00 p.m., local time

Envelopes must be sealed, plainly marked: "CONSTRUCTION STAKING SERVICES FOR MOUNTAINVIEW DRIVE IMPROVEMENTS PROJECT", sent to the attention of the Project Manager, and shall include the name and address of the proposer. Respondents must submit six (6) sets of the proposal. The City of Newberg reserves the right to reject any or all proposals.

Proposals will be received only from those firms specifically invited by the City of Newberg.



Community Development Department
Engineering Division
Lower Floor, City Hall
414 East First Street
P.O. Box 970, Newberg, Oregon 97132
Tel: 503-537-1240 Fax: 503-537-1277

REQUEST FOR PROPOSAL (RFP)

ADDENDUM NO. 1

February 20, 2002

This addendum (one page), as delivered by fax on 2/20/02, amends the original RFP dated 2/15/02. It clarifies the original documents on *Mountainview Drive Improvement Project, CIP#702129, RFP for Construction Staking*.

ITEM #	DESCRIPTION OF CHANGE / CLARIFICATION
1	Under Section 2.4.1, there shall be two (2) sub-tasks: rough grade staking and final grade staking. Attach cost for each sub-task when providing cost estimate under Section 3.3.5. In areas where grade staking will be located in cut / fill or slope, locate grade stake with cut or fill at catch point of slope for rough grading. Rough grade staking to be at fifty (50) foot intervals. Final grade staking to be at twenty-five (25) foot intervals. Final grade staking to be located at four (4) feet off of face of curb in curbed areas. Final grade staking to be located at eight (8) to fourteen (14) feet off of the edge of pavement in non-curbed areas. See below for further clarification: Sta. 1+81.90 to 3+60.09 Four (4) feet offset. Sta. 3+60.09 to 6+16.39 Four (4) feet offset to fourteen (14) feet offset. Sta. 6+16.39 to 23+18.40 Eight (8) feet offset.
2	Under Section 2.4, complete staking for each task or sub-task at least a week ahead of construction schedule. Each task or sub-task may be performed separately at different time. Multiple trips will be necessary.

In the introductory letter (Section 3.3.1), consultant shall mention that they have received this addendum by indicating the addendum number (#1) and date received.

There is no change in proposal due date. Proposal shall indicate a not-to-exceed total price for comparison purpose. If you have any questions, please feel free to call me at 503-554-1751. Thank you.

City of Newberg

By: 

Paul Chiu, P.E.
Senior Engineer/Project Manager
Phone: 503-554-1751
Email: chiup@ci.newberg.or.us

Cc: File

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SECTION 1 GENERAL INFORMATION

1.1 Proposal Request

Six (6) copies of the proposals are to be submitted by **2:00 p.m. local time on Monday, February 25, 2002**, to the City Hall, City of Newberg, Attn: Paul Chiu, P.E., Senior Engineer, 414 East First Street, P.O. Box 970, Newberg, Oregon, 97132. For more information, please contact Paul Chiu, P.E. at (503) 554-1751.

1.2 Proposer's Proposal

Proposers responding to this proposal request must follow the rules stated within this "Request For Proposals" (RFP). Adherence to these rules will ensure a fair and objective analysis of your proposal. Proposals should provide a clear, concise description of your firm's capabilities to satisfy the requirements of the RFP.

All responses must be made in the format outlined in Section 3. Failure to comply with or complete any part of this request may result in rejection of your proposal.

Proposals should be prepared simply and economically, providing a straightforward, concise description of the key personnel's capabilities to satisfy the requirements of the City. Special bindings, colored displays, promotional materials, etc., are not necessary. Emphasis should be on completeness, brevity, and clarity of content.

1.3 Time Schedule

Proposal Due	Monday, February 25, 2002
Interviews for Consultant Services	Not Anticipated ^[1]
Staff Recommendation	Wednesday, February 27, 2002 ^[3]
Staff Submitting Request for City Council Approval	Not Anticipated ^[2]
City Council Approval	Not Anticipated ^[2]
Notice to Proceed with Consultant Services	Thursday, February 28, 2002 ^[3]
Completion of Services	Wednesday, May 15, 2002 ^[3]

^[1] See Section 1.7

^[2] See Section 1.9

^[3] *These dates are approximate and may subject to change. Staff will work out final draft of Contract with Consultant prior to staff recommendation. For convenience, the date for completion of services corresponds to the end of project construction.*

1.4 Issuing Office

All correspondence pertaining to this RFP should be directed to: Paul Chiu, P.E., Senior Engineer/Project Manager, City of Newberg, mailing address at P.O. Box 970, Newberg, Oregon 97132. Direct: 503-554-1751 FAX: 503-537-1277.

1.5 Response Date

To be considered, proposals must arrive at the City on or before the date and time specified in this RFP. Proposers submitting proposals should allow adequate mailing time or messenger delivery time to ensure timely receipt of their proposals. ***No proposal or correction received after the closing date and time will be considered.***

1.6 Proposal Withdrawal

Any proposal may be withdrawn at any time before the "Proposal Due" date and time specified in Section 1.1, by providing written request for the withdrawal of the proposal to the City. The request shall be executed by a duly authorized representative of the firm. Withdrawal of a proposal will not prejudice the right of the proposer to file a new proposal.

1.7 Consultant Interview

Up to three firms, selected for final evaluation, may be required to make oral presentations of their proposals to the City's Selection Committee. Such presentations provide an opportunity for the firms to clarify the proposals and to ensure mutual understanding. The presentation will be an informal question and answer meeting; no power-point presentations are expected or desired. The City will schedule the times and location for this meeting, if necessary.

As construction will begin in early March 2002, survey work has to be expedited. Therefore, no interview will be arranged for the evaluation of proposals.

1.8 Rejection or Acceptance of Proposals

The City expressly reserves the following rights:

- a. To reject any and/or all irregularities in the proposals.
- b. To reject any and/or all the proposals or portions thereof.
- c. To base awards with due regard to quality of services, experience, cost, timeliness, compliance with specifications, and other such factors as may be necessary in the circumstances.

1.9 Selection of Consultant

Consultants Chosen for RFP Distribution: The City of Newberg completed an evaluation of Statements of Qualifications (SOQ) for the years 2001 - 2004 on October 15, 2001. These selected Consultants shall be used for all Capital Improvement Projects (CIP) during this timeframe. Proposals will be received only from those firms specifically invited by the City of Newberg.

Cost Consideration: A preliminary budget for the surveying work is set at \$20,000.00. As construction will begin in early March 2002, there will be no time for Council action. Therefore, any proposed contract amount greater than \$25,000.00 will not be considered.

Recommendation: The City's Selection Committee will recommend to the Newberg Community Development Director that the contract award be made to the proposer who is in the Committee's opinion, best qualified.

1.10 Execution of Contract

Within seven (7) calendar days after staff recommendation or the City Council approval of the selection, whichever applies, the City and the proposer will finalize the professional services contract. Appendix A of the RFP contains a copy of the City's standard professional services agreement (PSA) for proposer's information only. The City will require the successful proposer to sign this contract, in most cases, without modifications. Supplemental terms to the PSA may be considered at the City's discretion, but are not usually accepted. Supplemental terms may be attached to the "Project Scope and Understanding" section of the proposal.

Once selected, the Consultant shall provide certification for all insurance coverage and shall include City of Newberg, its officials, employees, and agents, as "Additional Insured" on all except workers compensation insurance policies.

If the selected proposer fails to execute a contract with the City within seven (7) calendar days after the award has been made, the City may give notice to the proposer of the City's intent to award the service contract to the next best proposal, or to call for new proposals. The seven-calendar day time period may be extended at the City's sole option.

Work shall begin expeditiously after issuance of the City's "Notice to Proceed", which will be provided to the Consultant after execution of the contract.

1.11 Public Records

Any material submitted by a proposer shall become the property of the City unless otherwise specified. During the evaluation of proposals and the selection of the Consultant, the proposals shall be confidential. After the selection process has been completed, the proposals shall be open to public inspection. Proposals should not contain any information that the Consultant does not wish to become public. If it is necessary to submit confidential information in order to comply with the terms and conditions of this RFP, each page containing confidential information should be clearly marked "NOT FOR PUBLIC DISCLOSURE CONFIDENTIAL TRADE SECRETS". The City accepts no liability for the inadvertent or unavoidable release of any confidential information submitted, and claims arising out of any public record request for such information shall be at the Consultant's expense.

1.12 Tax ID Number

Proposals must state the proposer's Federal/State of Oregon Taxpayer Identification Number.

1.13 Recycled Products Statement

In accordance with ORS 279.555(2), Consultants shall use recyclable products to the maximum extent economically feasible in the performance of the contract work set forth in this document.

1.14 Local/State/Federal Requirements

The selected proposer shall comply with all federal, state and local laws, regulations, executive orders and ordinances applicable to the work under this contract, including, without limitation, the provisions of ORS 279.312, 279.314, 279.316, 279.320, and 279.555. In addition, proposers agree to comply with: (1) Title VI of the Civil Rights Act of 1964; (ii) Section V of the Rehabilitation Act of 1973; (iii) the American with Disabilities Act of 1990 and ORS 659.425; (iv) all regulations and administrative rules established pursuant to the foregoing laws; and (v) all other applicable requirements of federal and state civil rights and rehabilitation statutes, rules and regulations. Proposer is subject to the Oregon Worker's Compensation Law and shall comply with ORS 656.017, which requires the provision of Worker's Compensation coverage for all employees working under this contract. The City of Newberg's programs, services, employment opportunities and volunteer positions are open to all persons without regard to race, religion, color, national origin, sex, age, marital status, disability or political affiliation.

1.15 Payment For Services

The City will pay the Consultant for services performed based on approved rates and scope of work. The City will make monthly progress payments within thirty (30) days following receipt of properly itemized invoices.

Payments for extra work not described in the agreed upon scope of services will only be made when authorized in advance and in writing by the City Project Engineer/Manager prior to such work being performed by the Consultant.

The Consultant shall not exceed the fee for any task included in the fee proposal amount. If the Consultant sees that the fee is going to exceed the not-to-exceed figure because the task has changed or is outside the scope, the Consultant shall notify the City in writing of the circumstances with an estimated amount that the fee is to be exceeded. The Consultant shall obtain written permission from the City before exceeding the not-to-exceed fee amount. If the Consultant does work that exceeds the maximum fee amount prior to obtaining the written permission, the Consultant waives any right to collect that fee amount.

***** END OF SECTION ONE *****

SECTION 2

SCOPE OF WORK

2.1 General

The City of Newberg plans to retain a surveying Consultant to perform "Construction Staking Services for Mountainview Drive Improvements Project". The project has a tight time constraint. Timely response and coordination are crucial to avoid any construction delay or claim. The Consultant is expected to work very closely with both the City and the construction contractor.

To make arrangement for a tour of the project site, please contact Paul Chiu, P.E., the Project Manager at 503-554-1751.

2.2 Project Background

The East Mountainview Drive right-of-way between North College Street and North Villa Road is in undeveloped condition. The City received a Local Street Network (LSN) grant approval for this project. One of the City's obligations is to complete the construction by November 30, 2002.

Matt Dunckel & Associates, Inc. at 3765 Riverside Drive, McMinnville, OR 97128 provided topographic survey for this project. Three other specialty consultants, a geotechnical, a structural, and a traffic firm have also furnished engineering services to the City on this project. The City has prepared construction plans and solicited construction bids in accordance with ORS Chapter 279 on Public Contracts and Purchasing. Construction will begin in early March 2002, and end in late May of the same year.

The construction work will include approximately 1/2 mile of 2-lane asphalt concrete roadway, 1 mile of pedestrian/bike pathway, 650 lineal feet of road widening at North College Street (which is Highway 219), 1,600 lineal feet of 8" sanitary sewer line, 1,000 lineal feet of 12" waterline, 1,700 lineal feet of storm line, 800 lineal feet of CMU wall and related work.

2.3 Survey Control

Survey shall be based on City datum.

Horizontal: Monumented north line of T.L. 3217-1900 for north right-of-way line.

Vertical: City Bench Mark #51, brass cap at the intersection of Melody Lane and College Street. Elevation 217.87' NGVD 29

2.4 Survey Tasks

Construction plans are attached as Appendix C.

2.4.1 Street Staking

Provide staking at least a week ahead of construction tasks.

Tangent and curve sections shall be at twenty-five (25) feet intervals.
Curb returns shall be at P.C., 1/4, 1/2, 3/4, P.T.

"Curb" street sections: Four (4) feet offset to top face of curb.
"Non-curb" street sections: Four (4) feet offset to edge of finished pavement.

All cuts shall be to top face of curb in curb sections.
All cuts shall be to top of finished asphalt in non-curb sections.

2.4.2 Utility Staking

Provide staking at least a week ahead of construction tasks. Utilities include water main, sanitary sewer line, and storm sewer line.

Staking shall be at fifteen (15) feet offsets to flow line grade of pipe starting at manhole or beginning point, 10 feet, 25 feet, 50 feet, 100 feet and 100-foot stations thereafter.

2.4.3 Sound Wall Staking

Provide staking at least a week ahead of construction tasks. All cuts shall be measured to top of footing at four (4) feet offset to face of wall, 25-foot stations on line. Stake all pilasters on center.

2.5 Quality Control

Be courteous to neighboring homeowners at the project site. Field check, observe, discuss, communicate, understand and coordinate with the City and the construction contractor. Do not just show up, survey and leave the project site. Brief meetings on weekly basis will be necessary to stay ahead of construction progress.

The Consultant is expected to have own crew, transportation, equipment, tools, material, etc., whatever necessary to get the survey done right. Resolve any survey issues in timely manner. Ability to meet the project schedule is required.

Prior to all survey or submittals, the Consultant shall perform complete quality control review of all data and documents to ensure they are complete and accurate. The City's review is only to determine general level of compliance with project scope and quality requirements, and does not excuse the Consultant from producing a complete, high quality set of deliverables or performance.

2.6 City's Responsibility

The City will:

- a. Provide a project engineer/manager responsible for the overall project management and the coordination between the Consultant and the City.
- b. Review and negotiate all contracts.
- c. Prepare Council submittal package and conduct Council workshops, if necessary.
- d. Make available a collection of data from City records such as construction plans, property descriptions, as-built data, maps, etc., and City policies, regulations and guidelines for surveying purpose.

- e. Make arrangement for City staff member(s) to provide timely response to any questions and to be available for any meetings requested by the Consultant. All meetings will take place at the Newberg City Hall Building, or on the project site as determined by the project manager.
- f. Meet with the Consultant at least once a week to discuss the progress of the work.
- g. Review and process monthly payment requests.
- h. Perform other tasks as negotiated.

Note that the City surveyor may perform some of the survey tasks to get the construction started.

2.7 Consultant's Work Products

2.7.1 Format

All documents and drawings, as applicable, shall be provided in the following formats. The City has largely converted to the Microsoft NT, version 4.0, environment and uses the following software:

- a. Word processing with Microsoft Word 2000.
- b. Financial tracking and other spreadsheets with Microsoft Excel 2000.
- c. Scheduling with Microsoft Project 2000.
- d. The City's computer aided design system consists of a windows based environment utilizing Windows NT, AutoCAD 2000 and most current version of Bentley Micro-station.
- e. The City's geographical information system consists of a windows based environment utilizing Windows NT, Arc View 3.2, and Arc Info 7.2.1.

All documents shall be delivered to and be permanently retained by the City. Documents shall be submitted to the City in written and electronic format, and may be reproduced by the City. Hard copies shall be printed on 8-1/2" x 11" 25% cotton fiber quality paper. Charts, graphs, figures, data, digital photographs and exhibits can be presented on 11" x 17" quality paper, if necessary.

2.7.2 Deliverables

The Consultant shall submit products to the City which include the following:

- a. Cut sheets for street, utilities, and sound wall staking.
- b. ASCII point file for all construction staking.
- c. Field staking on project site.

Information for items 'a' and 'b' above shall be provided on paper, computer disk, compact disk, or hard copy reproducible media, as required by the City. Provide two (2) copies, unless instructed otherwise by the City.

The Consultant shall be:

- a. Available for meetings and be prepared to answer questions related to survey.
- b. Willing to make revisions pertaining to comments.
- c. Responsive to change of scope of work, if necessary.

***** END OF SECTION TWO *****

SECTION 3 PROPOSAL REQUIREMENTS AND EVALUATION

3.1 Proposal Submittal

To receive consideration, submit proposals in accordance with the following instructions:

Proposals should be prepared simply and economically, providing a straightforward, concise description of proposer's capabilities to satisfy the requirements of the RFP. Emphasis should be on completeness and clarity of content.

The City, at its sole discretion, has the right to negotiate with any or all proposers regarding their proposals. Additionally, the City may reject or accept any or all proposals or parts thereof, submitted in response to this RFP.

The City recognizes that in the submittal of proposals, certain information is proprietary to the proposer and that the safeguarding of this information is necessary. Accordingly, the City will make every effort to prevent any disclosure of data supplied by any proposer where the proposer identifies those portions of its proposal that are proprietary. See Section 1.11 Public Records.

Six (6) sets of the proposal are due at **2:00 p.m., local time on Monday, February 25, 2002**. Proposals submitted after this time will be returned to the proposer unopened. Proposals must be submitted in a sealed envelope bearing the proposer's name, address, phone, fax and e-mail, as applicable, and the name of the project, "CONSTRUCTION STAKING SERVICES FOR MOUNTAINVIEW DRIVE IMPROVEMENTS PROJECT". Proposals can either be hand delivered to the Newberg City Hall or mailed to the Post Office address but not both. However, proposers who choose to mail proposals shall allow sufficient mail delivery time and mail security check to ensure timely receipt of their proposals by the project manager.

If the proposal is **hand delivered**, it must be brought to:
Paul Chiu, P.E., Senior Engineer/Project Manager
Newberg City Hall
414 East First Street
Newberg, Oregon 97132

If the proposal is **mailed**, it must be addressed to:
Newberg City Hall
Attn: Paul Chiu, P.E., Senior Engineer/Project Manager
P.O. Box 970
Newberg, Oregon 97132

3.2 Incurred Costs

The City is not liable for any costs incurred by proposers in the preparation and/or presentation of their proposals.

3.3 Content of Proposals and Evaluation Criteria

Six (6) sets of the proposal shall include the information requested in each of the items identified in the following table and in the order indicated.

There are a maximum number of pages and minimum text font size permitted for each item of information. **A proposal exceeding the specified number of pages and text font size less than 11 will be considered non-responsive and the proposal will not be considered.** Supporting information shall be in a separate section, at the end of the proposal, and not counted in the page limit requirements. Front and back covers, as well as, section dividers are not counted in the page limit requirements. A one page table of contents is not counted in the page limit requirements. Each page shall be 8.5" x 11", unless otherwise noted. When using double-sided printing, each side of the page is counted as one page.

Each proposal will be judged on the completeness and quality of content, and as a demonstration of the Consultant's qualifications. Each proposal will initially be reviewed based upon the correct number of pages. Firms may be excluded from further consideration if the number of pages in each section is not correct.

The items of information to be included in each submittal, evaluation criteria, maximum points, and page limitations are shown on the chart below. An explanation of each item appears immediately following the chart.

CONTENT AND EVALUATION CRITERIA	MAXIMUM NO. OF PAGES	MAXIMUM SCORE
1. Introductory letter	1	0
2. Key personnel qualifications	2	10
3. Project scope and understanding	1	5
4. Project schedule (11" x 17" allowed)	1	10
5. Consultant's fee (11" x 17" allowed)	1	15
6. Additional supporting information	No limit	0
Totals	6	40

3.3.1 Introductory Letter

The introductory letter shall include, but need not be limited to, the following information. The name of the firm, as well as, the signature, printed name and title, telephone and fax number of the officer authorized to represent the Consultant in any correspondence, negotiations and sign any contract that may result. The address of the office that will be providing the service, a project manager's name, telephone number, fax number, e-mail address. The Federal and State Tax Identification Numbers, and the State of incorporation, if applicable, must also be included. Indicate whether the proposer is a "Resident Bidder" as defined in ORS 279.029 and provide a statement that the proposal is valid for ninety (90) days after the submission deadline. Also provide a statement that the Consultant is willing to sign the PSA (See Appendix A) without modifications.

The proposer may use this section to introduce the proposal or to summarize the key provisions of the proposal.

3.3.2 Key Personnel Qualifications

Provide a statement that portrays how the qualifications and experience of the firm's key personnel relate to the described work. The City expects commitment and no reshuffling of personnel in the duration of studies. The response should address the following:

- a. Key personnel experience with this type of project, and familiarity with the City of Newberg.
- b. A brief resume outlining the experience and qualifications of the person who would be directly responsible for this project. Identify any applicable registrations. Indicate the number of other projects that will be managed by this person during the time he or she would be managing this project.
- c. A listing of other individuals who would contribute as a team until the completion of the project, with a summary of each team member's area of responsibility, expertise, experience and qualifications for this work.

3.3.3 Project Scope and Understanding

The Consultant shall:

- a. Include a statement of understanding of the work.
- b. Provide a work plan that describes how the Consultant will organize and conduct the work by task. This plan must be sensitive to construction activities.
- c. Include an explanation of any modifications of the work items and scope of work presented in this request for proposal.
- d. Provide a definition of how the Consultant will ensure project progress and quality control.
- e. Provide a description of the Consultant's approach and methodology of managing work tasks and coordination, sequencing and control of field operations used to accomplish the work in a timely manner.
- f. Describe how the Consultant would propose to use City personnel, if at all, to assist in the work.
- g. Include a separate and specific description of each point in the RFP that is not completely met by the proposal. If, in the project description, the Consultant proposed an alternate approach to the RFP tasks, indicate that in this proposal section. If necessary, include supplemental terms to add to the City's PSA. See Section 1.10.
- h. If the proposer has covered all the items in the RFP, then this section should include the statement "All RFP items have been covered in this proposal".

3.3.4 Project Schedule

Prepare a project schedule to indicate the amount of time required for each survey task, from "Notice to Proceed" to completion of the survey work. Indicate that the survey schedule will be dictated by construction schedule.

City staff requires a minimum of two (2) working days for review of any submittal. The Consultant shall include this time in their schedule, if necessary.

3.3.5 Consultant's Fee Schedule

Indicate proposer's all-inclusive fees for which the requested work will be done, including sub-consultant fees, broken down as follows:

- a. Cost estimate including hours by survey tasks (see Section 2.4) and total hours. Also include cost for each sub-task in water, sanitary sewer and storm sewer staking.
- b. Identify by Consultant's personnel category and individual staff, the total hours multiplied by the proposed hourly billing rate.
- c. The fee should include all out-of-pocket costs (travel, printing, etc.) and a fee should be stated for each survey task. All cost of living adjustments, if necessary, shall be clearly stated.
- d. Describe the method the Consultant would use in charging for any special requests, or broadening of the scope of work beyond that described in this RFP.

3.3.6 Additional Supporting Information

Supporting materials should include only resumes, references and public client list. The reference list shall have no more than five clients with projects similar to this one. Please include the name, address, phone number, fax number and e-mail of the contact person for each reference. Detail the type of work done that supports the listed mandatory requirements in this RFP. In addition, list all the public clients served. Include contact persons for projects in the last two years, or the last ten clients, whichever is least. If there is no additional information to present, state: "There is no additional information we wish to present".

***** END OF SECTION THREE *****

APPENDIX A:

Standard Professional Services Agreement

CITY OF NEWBERG
AGREEMENT WITH _____
TO PROVIDE CONSULTING SERVICES
TO THE CITY OF NEWBERG

THIS AGREEMENT is entered into this ____ day of _____, _____ by and between the City of Newberg, a municipal corporation of the State of Oregon, hereinafter called **City**, and _____

(Consultant's name)

(Address)

(Phone)

(Fax)

hereinafter called **Consultant**.

RECITALS:

1. **City** has need for the services of a **Consultant** with particular training, ability, knowledge, expertise and experience possessed by **Consultant**.
2. **City** has chosen the **Consultant** using the _____ (insert words addressing the screening and selection process) to provide services related to the XYZ Project.

NOW, THEREFORE, in consideration of mutual promises, covenants and agreements of the parties, it is agreed as follows.

1. **Effective Date and Duration:** This Agreement shall become effective on the date that this Agreement has been signed by every party hereto.

Unless, terminated or extended, this Agreement shall expire when the **City** accepts **Consultant's** completed performance or on _____, (insert date that work is completed in accordance with Schedule) whichever date occurs first. This fact notwithstanding, the services of **Consultant** shall be authorized and paid on a phase-by-phase basis as described in Exhibit "A".

Expiration shall not extinguish or prejudice **City's** right to enforce this Agreement with respect to any breach of a **Consultant** warranty or any fault or defect in **Consultant's** performance that has not been cured.

2. **Termination:** This Agreement may be terminated at any time by mutual, written consent of the parties. The **City** may, at its sole discretion terminate this Agreement in whole or part upon a 30-day written notice to **Consultant**. The **City** may terminate immediately upon notice to the **Consultant** that the **City** does not have funding, appropriations, or other necessary expenditure authority to pay for **Consultant's** work. The **City** may terminate Agreement at any time for material breach. This Agreement may be terminated by either party at the end of a project phase as defined in Exhibit "A" or at any

time upon a 30-day written notice.

3. **Scope of Work:** The **Consultant** agrees to provide the services provided in the Scope of Work which is Exhibit "A" and attached hereto and incorporated by this reference. The **Consultant** represents and warrants to the **City** that the **Consultant** can perform the work outlined in the Scope of Work for the fee proposal amount.

4. **Compensation:** The **Consultant** agrees to perform the work for a not-to-exceed fee as indicated in their professional fee proposal obtained in the Scope of Work. The not-to-exceed figure is as follows:

\$ _____

The **Consultant** shall not exceed the fee for any task included in the fee proposal amount. If the **Consultant** sees that the fee is going to exceed the not-to-exceed figure because the task has changed or is outside the scope, the **Consultant** shall notify the **City** in writing of the circumstances with an estimated amount that the fee is to be exceeded. The **Consultant** shall obtain written permission from the **City** before exceeding the not-to-exceed fee amount. If the **Consultant** does work that exceeds the maximum fee amount prior to obtaining the written permission, the **Consultant** waives any right to collect that fee amount.

5. **Additional Work Not Shown within the Scope of Work:** If City requests or requires work to be done not within the Scope of Work of this project, the **Consultant** shall notify the **City** of such work, provide an estimated fee amount, and obtain written instructions to proceed with work in the form of an Agreement amendment prior to proceeding with work and incurring any costs on behalf of the **City**. If **Consultant** proceeds with work prior to obtaining permission and/or Agreement amendment, the **Consultant** waives any right to collect fees for work performed.

6. **Agreement Documents:** This Agreement consists of the following documents which are listed in descending order of preference: This Agreement with attached Exhibits, the proposal of the **Consultant** (if one was submitted), the Request for Proposal (if one was used), and _____. (insert any other documents that should be referenced) Work is under the sole control of **Consultant**, however, the work contemplated herein must meet the approval of the **City** and shall be subject to **City's** general right of inspection and supervision to secure the satisfactory performance thereof.

7. **Benefits:** **Consultant** will not be eligible for any federal social security, state workers' compensation, unemployment insurance, or public employees' retirement system benefits from the Agreement payment except as a self-employed individual.

8. **Federal Employment Status:** In the event any payment made pursuant to this Agreement is to be charged against federal funds, **Consultant** certifies that he or she is not currently employed by the federal government and the amount charged does not exceed his or her normal charge for the type of services provided.

9. **Consultant's Warranties:** The work to be performed by **Consultant** includes services generally performed by **Consultant** in his/her usual line of business. The work performed by the **Consultant** under this Agreement shall be performed in a good and businesses-like manner in accordance with the highest professional standards. The **Consultant** shall, at all times, during the term of this Agreement, be qualified, be professionally competent, and duly licensed to perform the work.

10. **Indemnity:** **Consultant** shall defend, indemnify and hold harmless **City** from and against all liability or loss and against all claims, suits, actions, losses, damages, liabilities, costs, and expenses of any nature whatsoever resulting from, arising out, or relating to the activities of the **Consultant**, or its officers, employees, subcontractors, or agents under this Agreement.

11. **Independent Contractor:** **Consultant** is not currently employed by the **City**. The parties to this Agreement intend that the **Consultant** perform all work as an Independent Contractor. No agent, employee, or

servant of **Consultant** shall be or shall be deemed to be the employee, agent or servant of **City**. **City** is interested only in the results obtained under this Agreement; the manner and means of conducting the work are under the sole control of **Consultant**, however, the work contemplated herein must meet the approval of the **City** and shall be subject to **City's** general right of inspection and supervision to secure the satisfactory performance thereof.

12. **Taxes:** **Consultant** will be responsible for any federal or state taxes applicable to payments received under this Agreement. **City** will report the total of all payments to **Consultant**, including any expenses, in accordance with the Federal Internal Revenue Service and the State of Oregon Department of Revenue regulations.

13. **Insurance**

a) **Consultant**, its subconsultants, if any, and all employers working under this agreement are subject employers under the Oregon Workers' Compensation Law and shall comply with ORS 656.017, which requires them to provide workers' compensation coverage for all their subject workers; or by signing this Agreement, **Consultant** represents that he or she is a sole proprietor and is exempt from the laws requiring workers' compensation coverage.

b) **Consultant** will, at all times, carry a Commercial General Liability insurance policy for at least \$1,000,000.00 combined single limits per occurrence for Bodily Injury, Property Damage, and Personal Injury. If the policy is written on the new occurrence form then the aggregate limit shall be \$2,000,000.00. The **City**, its agents, employees and officials all while acting within their official capacity as such, shall be named as an additional insured on the insurance specified in this paragraph.

c) **Consultant** will, at all times, carry a Professional Liability/Errors and Omission type policy with limits of at least \$500,000.00. If this policy is a "claims made" type policy, the policy type and company shall be approved by the **City** Manager prior to commencement of any work under this Agreement.

d) **Consultant** shall furnish the **City** with Certificates of Insurance upon execution of Agreement. Such Certificates of Insurance evidencing any policies required by this Agreement shall be delivered to the **City** prior to the commencement of any work. A 30-day notice of cancellation clause shall be included in said certificate. The **City** has the right to reject any certificate for unacceptable coverage and/or companies.

14. **Assignment:** The parties hereto each bind themselves, their partners, successors, assigns and legal representatives of such other party in respect to all terms of this Agreement. Neither party shall assign the Agreement as a whole without written consent of the other.

15. **Ownership of Work Product:** All original documents prepared by **Consultant** in performance of this Agreement, including but not limited to original maps, plans, drawing and specifications are the property of **City** unless otherwise agreed in writing. Quality reproducible records copies shall be provided to **City** at **City's** expense, upon request. **City** shall indemnify and hold harmless **Consultant** and **Consultant's** independent professional associates or **Subconsultants** from all claims, damages, losses and expenses including attorney's fees arising out of any unauthorized use of any

instruments of professional service.

16. **Entire Agreement:** This Agreement constitutes the entire Agreement between the parties and supersedes all prior agreements, written and oral, courses of dealing, or other understanding between the parties. No modification of this Agreement shall be binding unless in writing and signed by both parties.

IN WITNESS WHEREOF, the parties have executed this Agreement on the date first above mentioned.

CONSULTANT **FOR YOUR** CITY OF NEWBERG

By: _____

Name: _____

Title: _____

Date: _____

By: _____

Name: _____

Title: _____

Date: _____

Recommended for Approval By: _____

Approved as to form: _____

Michael Soderquist, P.E., P.L.S., DEE
Community Development Director

Terrence D. Mahr
City Attorney

APPENDIX B:

Construction Plans

A City of Newberg Capital Improvement Project Number 702129

NORTHSIDE ROAD IMPROVEMENTS PROJECT

at MOUNTAINVIEW DRIVE between HIGHWAY 219 (COLLEGE STREET) & VILLA ROAD

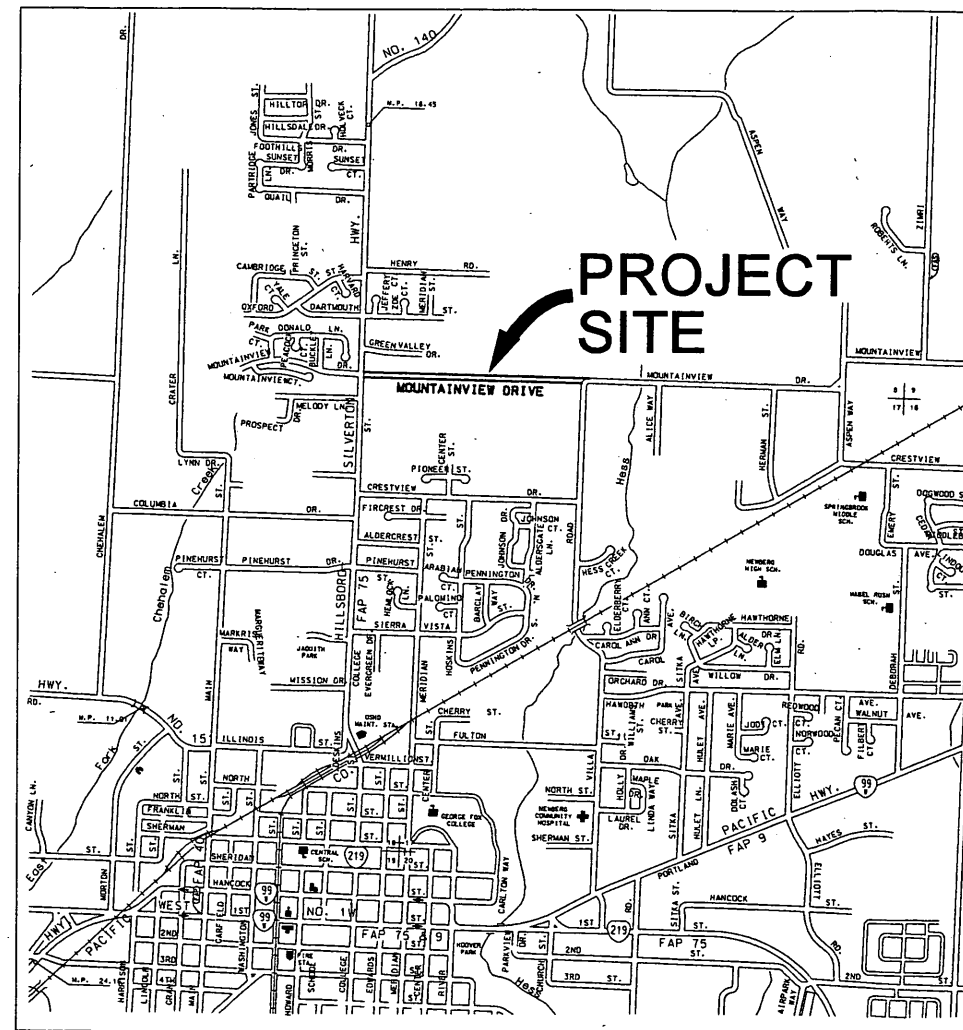
CONSTRUCTION NOTES:

- ALL CONSTRUCTION AND MATERIALS SHALL CONFORM TO THE APPLICABLE REGULATIONS, SPECIFICATIONS, CODES, STANDARDS, AND REQUIREMENTS OF THE CITY OF NEWBERG, YAMHILL COUNTY, AMERICAN PUBLIC WORKS ASSOCIATION (APWA) STANDARD PLANS AND SPECIFICATIONS, UNIFORM BUILDING CODE (UBC), OREGON STATE PLUMBING SPECIALTY CODE, OREGON DEPARTMENT OF TRANSPORTATION (ODOT), OREGON DEPARTMENT OF ENVIRONMENTAL QUALITY (ODEQ), AND OREGON HEALTH DIVISION (OHD). IN THE EVENT OF A CONFLICT, THE MOST STRINGENT CODE SHALL APPLY. SEE CONTRACT SPECIFICATIONS FOR FURTHER REQUIREMENTS.
- THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS AND LICENSES BEFORE STARTING CONSTRUCTION.
- THE CONTRACTOR SHALL FOLLOW RULES ADOPTED BY THE OREGON UTILITY NOTIFICATION CENTER. THOSE RULES ARE SET FORTH IN OAR 952-001-0010 THROUGH OAR 952-001-0090. CALL 503-232-1987 TO OBTAIN COPIES OF THESE RULES FROM THE CENTER. CALL 1-800-332-2344 AND NOTIFY THE CENTER AT LEAST TWO (2) BUSINESS DAYS BUT NOT MORE THAN TEN (10) BUSINESS DAYS BEFORE COMMENCING AN EXCAVATION.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN THREE (3) BUSINESS DAYS PRIOR TO STARTING WORK IN ORDER THAT THE ENGINEER MAY TAKE NECESSARY MEASURES TO ENSURE THE PRESERVATION OF SURVEY MONUMENTS, BENCH MARKS AND CONSTRUCTION STAKES. THE CONTRACTOR SHALL LOCATE AND MARK ALL EXISTING PROPERTY AND STREET MONUMENTS PRIOR TO CONSTRUCTION. DO NOT DISTURB SURVEY MARKERS WITHOUT THE CONSENT OF THE ENGINEER. AND NOTIFY ENGINEER IMMEDIATELY UPON DISTURBANCE OR WHEN DAMAGE OCCURS. IF AN UNAPPROVED DISTURBANCE OCCURS, CONTRACTOR SHALL BEAR THE EXPENSE OF A REGISTERED SURVEYOR TO REPLACE THE SURVEY MARKER.
- THE CONTRACTOR AND/OR SUB-CONTRACTOR SHALL HAVE A MINIMUM OF ONE (1) SET OF APPROVED CONSTRUCTION PLANS, CITY STANDARD DRAWINGS AND CONTRACT SPECIFICATIONS ON THE JOB SITE AT ALL TIMES DURING CONSTRUCTION.
- THE CONTRACTOR SHALL RECORD ANY APPROVED DEVIATION IN CONSTRUCTION ON A SET OF THE APPROVED DRAWINGS, AS WELL AS THE STATION LOCATIONS AND DEPTHS OF ALL UTILITIES ENCOUNTERED AND INSTALLED. THESE FIELD RECORD DRAWINGS SHALL BE KEPT UP TO DATE, AT ALL TIMES AND SHALL BE AVAILABLE FOR INSPECTION BY THE CITY UPON REQUEST. THE CONTRACTOR SHALL SUBMIT AN ACCURATE AND COMPLETE RECORD OF AS-BUILTS TO THE CITY AT THE END OF CONSTRUCTION.
- ANY PLAN CHANGES SHALL BE SUBMITTED TO THE ENGINEER AND APPROVED BY THE CITY AND/OR OTHER APPLICABLE PUBLIC AGENCIES PRIOR TO ANY WORK. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO SUPPLY ALL NECESSARY INFORMATION FOR THE PROPER EVALUATION OF PLAN CHANGES. ALLOW A MINIMUM OF FIVE (5) BUSINESS DAYS FOR REVIEW AND APPROVAL.
- ALL MATERIAL USED SHALL BE PER THE APPROVED PLANS. ANY ALTERNATES SHALL BE APPROVED BY THE CITY PRIOR TO ITS USE. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO SUPPLY ALL INFORMATION FOR THE PROPER EVALUATION OF SUBMITTED ALTERNATES. ALLOW A MINIMUM OF FIVE (5) BUSINESS DAYS FOR APPROVAL.
- THE CONTRACTOR SHALL KEEP THE CITY ADVISED OF THE PROGRESS SO THAT INSPECTIONS CAN BE PERFORMED IN AN EFFICIENT AND TIMELY MANNER. A TWO (2) BUSINESS DAY NOTICE IS REQUIRED FOR CITY TO OBSERVE ALL TESTS PERFORMED ON THE JOB SITE.
- THE CONTRACTOR SHALL DO ALL OF THE WORK SHOWN ON THE DRAWINGS AND ALL INCIDENTAL WORK CONSIDERED NECESSARY TO COMPLETE THE PROJECT IN AN ACCEPTABLE MANNER TO MEET APPLICABLE AGENCY REQUIREMENTS. ANY DAMAGE TO EXISTING UTILITIES ON OR ADJACENT TO THIS SITE, WHETHER SHOWN OR NOT ON THESE PLANS, SHALL BE REPAIRED OR REPLACED AT CONTRACTOR'S SOLE EXPENSE.
- CONTRACTOR SHALL SUBMIT FOR REVIEW AND APPROVAL DETAILED TRAFFIC CONTROL PLANS FOR EACH PHASE OF WORK AT PRECONSTRUCTION CONFERENCE. TRAFFIC CONTROL SHALL COMPLY WITH THE LATEST EDITION OF "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD) FOR STREETS AND HIGHWAYS.
- THE CONTRACTOR IS RESPONSIBLE FOR MANAGING CONSTRUCTION ACTIVITIES TO INSURE ADJACENT PRIVATE PROPERTY AND PUBLIC STREETS ARE KEPT CLEAR OF MUD, DEBRIS AND DUST TO THE SATISFACTION OF THE CITY. THE CONTRACTOR SHALL LEAVE ALL AREAS OF THE PROJECT FREE OF DEBRIS AND ANY UNWANTED CONSTRUCTION MATERIALS.
- THE EXISTING UTILITIES AS SHOWN ON THESE PLANS ARE APPROXIMATE IN NATURE AND DO NOT IN ANY WAY CONFIRM THE EXISTENCE OR NON-EXISTENCE OF THE UTILITIES. THE CONTRACTOR SHALL VERIFY THE EXISTENCE, TYPE AND LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION. IN CASES WHERE ACTUAL LOCATION OR INFORMATION VARIES OR NOT SHOWN FROM THE PLANS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OR INSPECTOR.
- TOPOGRAPHIC SURVEY WAS PROVIDED BY MATT DUNCAN & ASSOCIATES, INC. #503-472-7904 3765 RIVERSIDE DRIVE, MCMINNVILLE, OR 97128.
- ALL OPEN CUTTING OF EXISTING STREETS SHALL REQUIRE A CITY PERMIT. NO MORE THAN 200 FEET OF TRENCH FOR PIPE LAYING PURPOSES SHALL BE LEFT OPEN AT ANY ONE TIME. NO TRENCH SHALL BE LEFT OPEN OVERNIGHT. COVER WITH STEEL PLATES FOR TEMPORARY PROTECTION AT THE CLOSE OF EACH WORK DAY. PIN THE PLATES AND/OR COLD-PATCH WITH ASPHALT CONCRETE (TEMPORARY) IF LEFT IN ROADWAY.
- ALL EXISTING FACILITIES SHALL BE MAINTAINED IN-PLACE BY THE CONTRACTOR UNLESS OTHERWISE SHOWN OR DIRECTED. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO SUPPORT, MAINTAIN, OR OTHERWISE PROTECT EXISTING UTILITIES AND OTHER FACILITIES AT ALL TIMES DURING CONSTRUCTION. THE CONTRACTOR SHALL LEAVE EXISTING FACILITIES IN AN EQUAL OR BETTER-THAN-ORIGINAL CONDITION AND TO THE SATISFACTION OF THE CITY.
- THE CONTRACTOR SHALL REMOVE ALL EXISTING SIGNS, MAILBOXES, FENCES, LANDSCAPING, ETC., AS REQUIRED TO AVOID DAMAGE DURING CONSTRUCTION AND REPLACE THEM TO EXISTING OR BETTER CONDITION. FOR TRAFFIC REGULATORY SIGNS, PROVIDE TEMPORARY LOCATIONS AS APPROVED OR DIRECTED BY THE ENGINEER. FOR BUSINESS SIGNS, COORDINATE WITH BUSINESSES BEFORE REMOVAL OF SUCH SIGNS.
- WORK WITHIN HIGHWAY 219 (COLLEGE STREET) RIGHTS-OF-WAY SHALL MEET ADDITIONAL REQUIREMENTS PER OREGON DEPARTMENT OF TRANSPORTATION PERMIT.
- THE CONTRACTOR SHALL SCHEDULE A WORK ZONE "JOB-WALK" WITH ODOT MAINTENANCE SUPERVISOR TO ADDRESS UTILITY WORK ZONE AND TRAFFIC CONTROL ISSUES. CALL ODOT MCMINNVILLE OFFICE AT 503-472-2737. (DENNIS MCINTOSH IS AT PAGER 503-361-1896 AND GREG KIGER IS AT NEXTEL-CELL 503-932-1477.) THE CONTRACTOR SHALL SUBMIT STATE HIGHWAY TRAFFIC CONTROL PLANS FOR ODOT REVIEW AND APPROVAL IMMEDIATELY AFTER THE "JOB-WALK". ALLOW AT LEAST TWO (2) BUSINESS DAYS FOR REVIEW AND APPROVAL IN ADVANCE OF SETTING UP WORK ZONE TRAFFIC CONTROL. IN STATE RIGHTS-OF-WAY, THE CONTRACTOR MAY BE REQUIRED TO PROVIDE ADDITIONAL ON-THE-SPOT TRAFFIC CONTROL ENHANCEMENT AS DIRECTED. FOR EMERGENCY, CALL 503-378-2299.

- WATER PIPE SHALL BE CLASS 50 DUCTILE IRON FOR 12 INCH OR LARGER DIAMETER AND CLASS 52 FOR 10 INCH OR SMALLER DIAMETER. PIPE SHALL BE RATED 250 PSI MINIMUM AND FITTINGS SHALL BE RATED 350 PSI MINIMUM.
- WATER LINES SHALL BE PRESSURE TESTED PER REQUIREMENTS OF AMERICAN WATER WORKS ASSOCIATION.
- ALL WATER LINES SHALL BE THOROUGHLY FLUSHED AND CHLORINATED PER OREGON STATE HEALTH DEPARTMENT AND CITY OF NEWBERG REQUIREMENTS. POTABLE WATER TESTS SHALL BE APPROVED PRIOR TO ANY METERED SERVICE HOOKUP OR WATER MAIN CONNECTION WITHIN FOUR (4) BUSINESS DAYS OF TEST APPROVAL.
- THE CONTRACTOR SHALL ABANDON/PLUG EXISTING WATERLINE AS INDICATED UPON SATISFACTORY TESTING AND APPROVAL OF WATER WORK.
- THE CONTRACTOR SHALL STRIP AND REMOVE A UNIFORM TEN (10) INCHES OF TOP SOIL WITHIN THE UNIMPROVED RIGHT-OF-WAY OF MOUNTAINVIEW DRIVE. THE CONTRACTOR SHALL STOCKPILE THE SOIL MATERIAL ON THE AUSTIN WILLHOIT PROPERTY ADJACENT TO FILBERT TREES ON THE NORTH SIDE OF MOUNTAINVIEW DRIVE AND THE EXACT LOCATION SHALL BE DETERMINED BY THE ENGINEER/INSPECTOR. THE CONTRACTOR SHALL NOT PROVIDE ANY GRADING WITH THIS STOCKPILE MATERIAL. THE PRIVATE PROPERTY OWNER HAS MADE AN ARRANGEMENT WITH THE CITY, AND SHALL DISPOSE OF THE STOCKPILE MATERIAL BY BLENDING AND GRADING ADJACENT TO THIS PROJECT.

LEGEND

EXISTING	PROPOSED
	 SANITARY MAHOLE
	 SANITARY SEWER
	 STORM MANHOLE
	 STORM SEWER
	 WATERLINE
	 UNDERGROUND POWER
	 OVERHEAD POWER
	 INLET
	 GASLINE
	 WATER METER
	 FIRE HYDRANT
	 WATER VALVE
	 TELECOM LINE
	 TELECOM MANHOLE
	 LUMINAIRE
	UTILITY POLE
	CONCRETE
	A.C.
	RIGHT OF WAY
	CONSTRUCTION EASEMENT
	STREET TREE
	SORBUS AUCUPARIA
	EUROPEAN MOUNTAINASH
	MINIMUM 2' CALIPER



POTENTIAL UNDERGROUND
FACILITY OWNERS
"ONE CALL"
503-246-6699
UTILITY NOTIFICATION CENTER

CITY CONTACTS

PAUL CHIU	PROJECT ENGINEER	503 554-1751
BOB KNORR	ASSISTANT ENGINEER	503 554-1631
STEVEN BIDDLE	INSPECTOR/ENG. TECH.	503 537-1370
RYAN TRUAIR	INSPECTOR/ENG. TECH.	503 537-1236
JOHN RAINIERI	CITY SURVEYOR	503 537-1237
DAN DANICIC	CITY ENGINEER	503 537-1238
RUSS THOMAS	SUPERINTENDENT OF PUBLIC WORKS	503 537-1233
COMMUNITY DEVELOPMENT ENGINEERING FAX NUMBER		503 537-1277

SHEET INDEX:

CIVIL PLANS

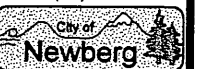
- COVER SHEET
- STREET SECTIONS / SPOT ELEVATIONS
- STREET PLAN AT COLLEGE ST.
- STORM PLAN AT COLLEGE ST.
- STREET & STORM PLAN, STA. 3+00-11+00
- STREET & STORM PLAN, STA. 11+00-19+00
- STREET & STORM PLAN AT VILLA RD.
- SANITARY & WATER PLAN AT COLLEGE ST.
- SANITARY & WATER PLAN, STA. 10+00-19+00
- WATER PLAN AT VILLA RD.
- EROSION CONTROL PLAN
- SIGNING & STRIPING PLAN
- TOPOGRAPHIC SURVEY

STRUCTURAL PLANS

- WALL PLAN & PROFILE
- WALL DETAILS
- TYPICAL WALL ELEVATION & NOTES

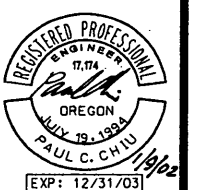


COMMUNITY DEVELOPMENT
ENGINEERING DIVISION
P.O. BOX 970
414 E. FIRST ST.
NEWBERG, OREGON 97132
PH: (503) 537-1240
FAX: (503) 537-1277



COVER SHEET
for

MOUNTAINVIEW DRIVE IMPROVEMENTS PROJECT
FROM N. COLLEGE TO VILLA RD.
CITY OF NEWBERG, YAMHILL COUNTY, OREGON



SCALE: AS SHOWN	NO.	REVISION	DATE
DATE: AUGUST 1, 2001	1.		
DRAWN: Ryan Truair	2.		
DESIGNED: Paul Chiu	3.		
APPROVED: Ryan Truair	4.		

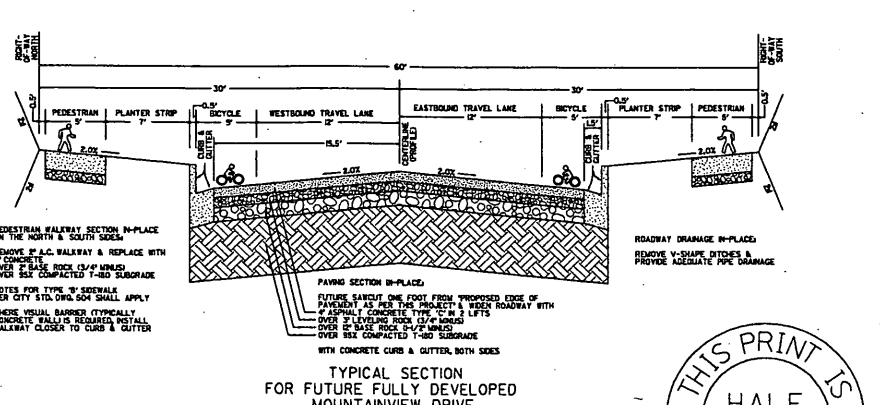
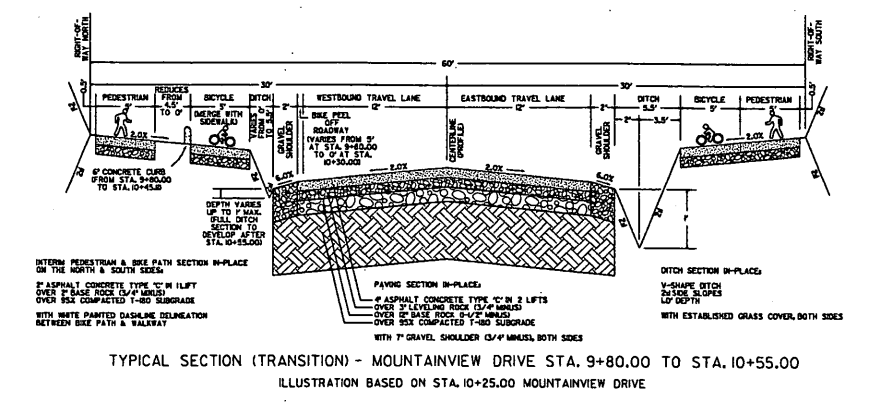
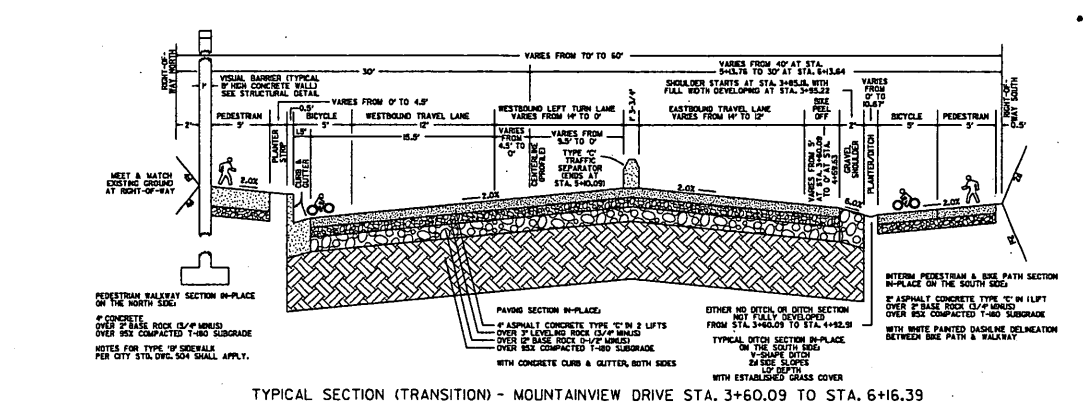
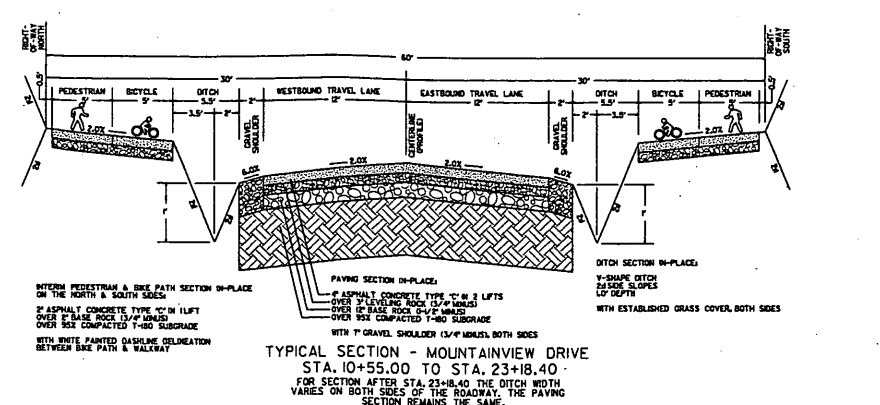
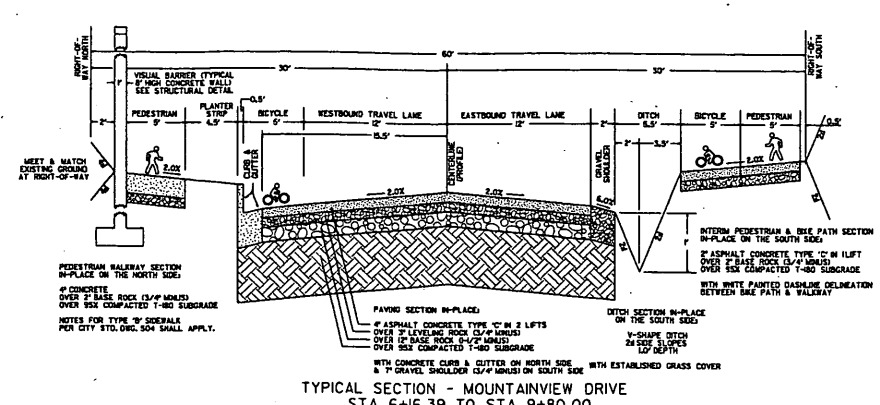
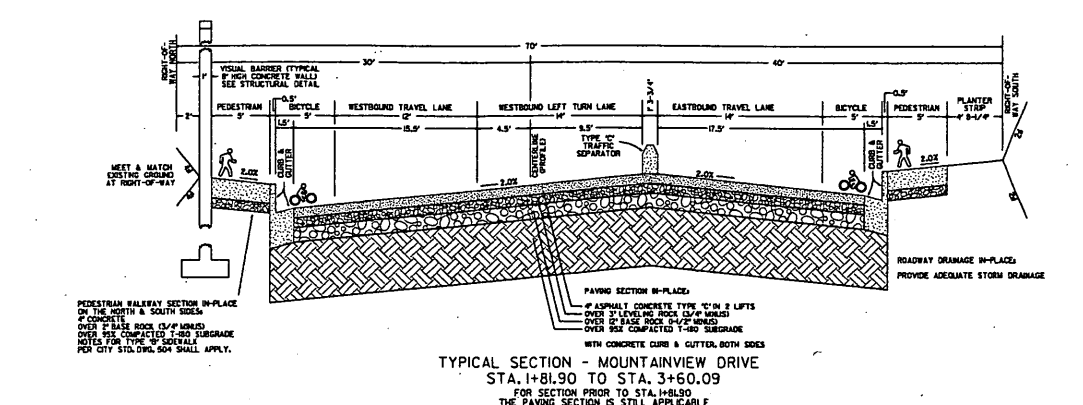
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c1 OF 16

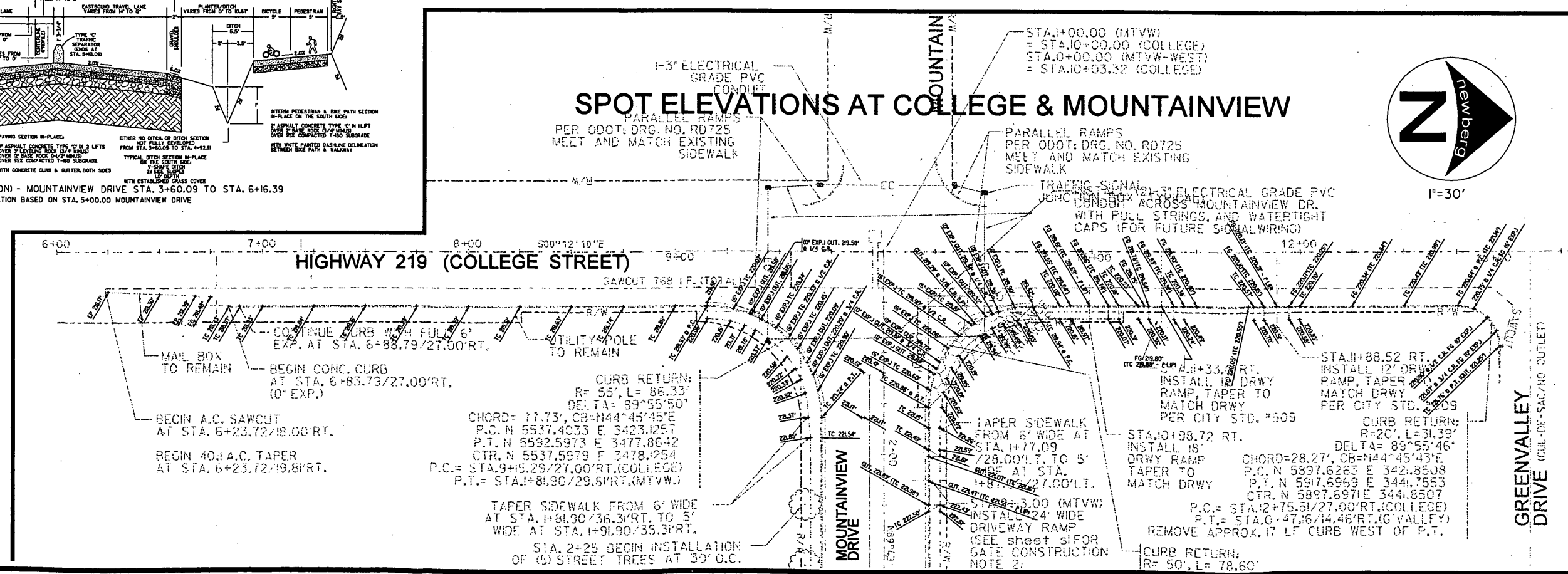
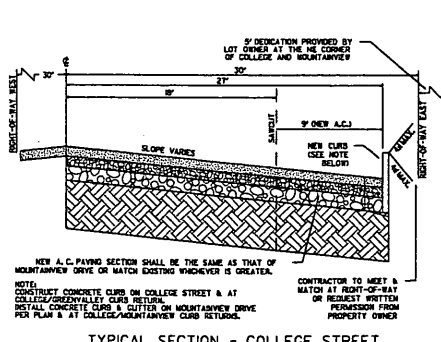
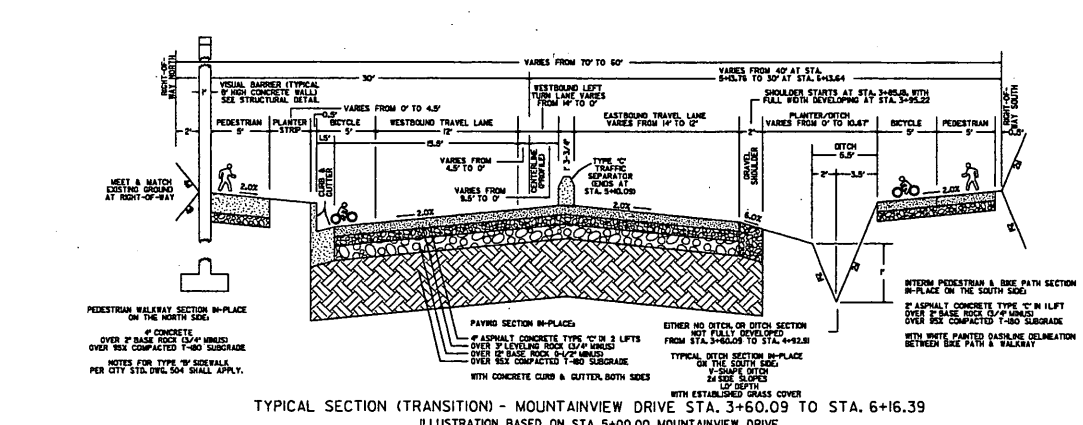
STREET SECTIONS / SPOT ELEVATIONS
for
MOUNTAINVIEW DRIVE IMPROVEMENTS PROJECT
FROM N. COLLEGE TO VILLA RD.
CITY OF NEWBERG, YAMHILL COUNTY, OREGON

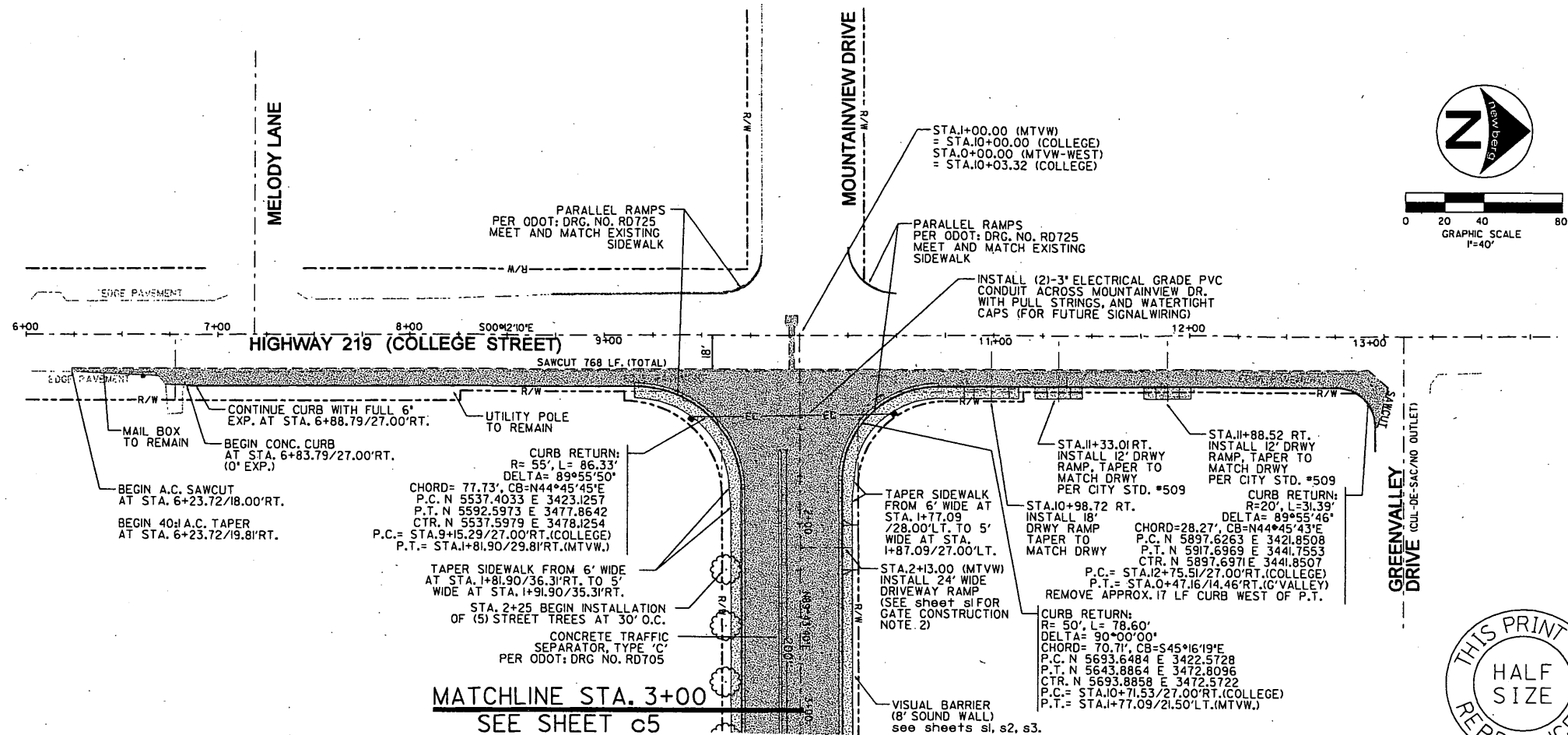


SCALE: AS SHOWN	DATE	REVISION	NO.
DATE: AUGUST 1, 2001		1.	1.
DRAWN: Ryan Truair		2.	2.
DESIGNED: Ryan Truair		3.	3.
APPROVED:		4.	4.



FOR ALL TYPICAL SECTIONS SHOWN, NO SCALE IS IMPLIED.
FOR TYPE 'C' TRAFFIC SEPARATOR, PLEASE REFER TO ODOT STANDARD DRAWING NO. RD705.





STREET PLAN AT COLLEGE ST.

**MOUNTAINVIEW DRIVE IMPROVEMENTS PROJECT
FROM N. COLLEGE TO VILLA RD.
CITY OF NEWBERG, YAMHILL COUNTY, OREGON**



SCALE: AS SHOWN	NO.	REVISION	DATE
DATE: AUGUST 1, 2001	1.		
DRAWN: Paul Chiu Ryan Ifudilr	2.		
DESIGNED: Paul Chiu Ryan Ifudilr	3.		
APPROVED:	4.		

SHEET

C3

16

NOTES:

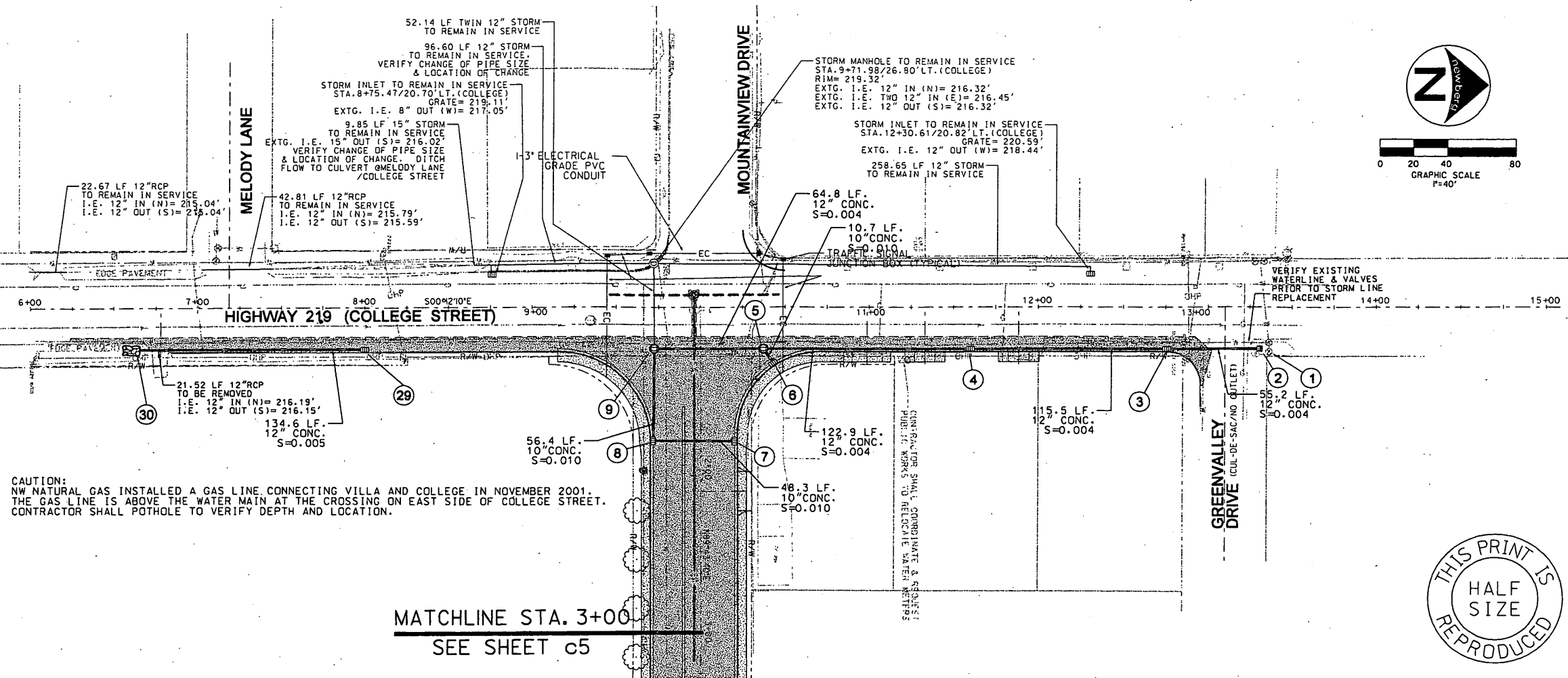
CONTRACTOR SHALL VERIFY ALL UTILITIES INCLUDING DRAINAGE TILES. NO MATTER IF THEY ARE SHOWN OR NOT SHOWN ON THE PLANS. ACCURACY IS NOT IMPLIED OR GUARANTEED.

CONTRACTOR SHALL REPORT ENCOUNTER OF ANY DRAINAGE TILES IMMEDIATELY TO CITY INSPECTOR.

CONTRACTOR SHALL RESTORE OR PROVIDE ALTERNATIVE MEANS OF CONVEYANCE AS NECESSARY. RESTORATION OF DRAINAGE TILES IS CONSIDERED INCIDENTAL WORK TO SITE RESTORATION.

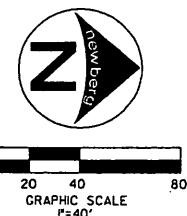
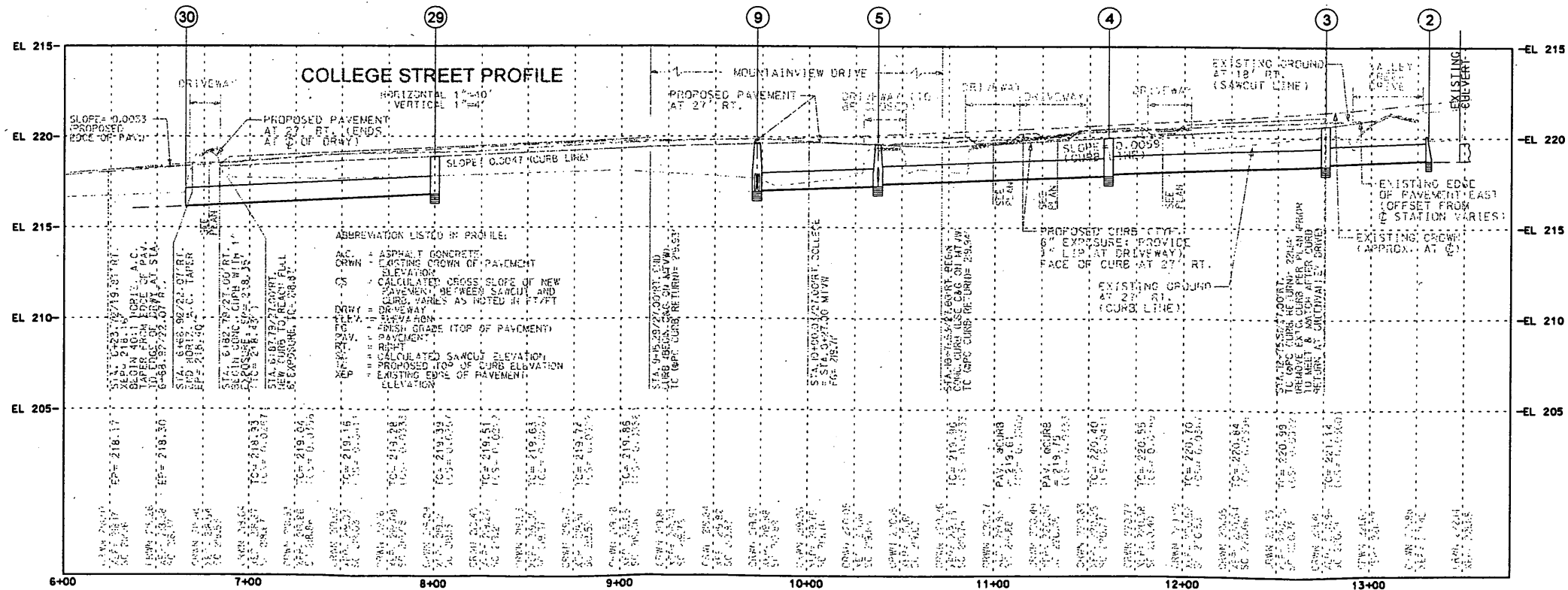
CONTRACTOR SHALL USE EXCAVATED TRENCH MATERIAL AS FILL FOR ROAD CONSTRUCTION.

- 1 REMOVE ALL EXISTING CULVERTS ON EAST SIDE OF COLLEGE STREET FROM GREENVALLEY DRIVE TO MOUNTAINVIEW DRIVE & REPLACE WITH NEW STORM LINE. PROVIDE TEMPORARY MEANS OF CONVEYANCE & SUCH COST IS INCIDENTAL TO STORM CONSTRUCTION.
- 2 INSTALL CONCRETE DITCH INLET TYPE D PER ODOT STD. DRG. #RD336 STA. 13+30.72/25.50' RT. (COLLEGE) BOTTOM OF ANGULAR GRATE (NORTH SIDE) = 218.73' 55.21 LF 12" CONC. D/S @S=0.004 I.E. 12" OUT (S)=218.74'
- 3 INSTALL CONCRETE GRATE INLET TYPE CG-2 PER ODOT STD. DRG. #RD336 AT P.C. CURB RETURN STA. 12+75.51/27.00' RT. (COLLEGE) TC=221.14' 115.51 LF 12" CONC. D/S @S=0.004 I.E. 12" IN (N)=218.52' I.E. 12" OUT (S)=218.42'
- 4 INSTALL CONCRETE GRATE INLET TYPE CG-2 PER ODOT STD. DRG. #RD336 STA. 11+60.00/27.00' RT. (COLLEGE) TC=220.46' 122.91 LF 12" CONC. D/S @S=0.004 I.E. 12" IN (N)=217.96' I.E. 12" OUT (S)=217.86'
- 5 INSTALL SHALLOW MANHOLE PER CITY STD. #205. STA. 10+37.09/25.5' RT. (COLLEGE) RIM=219.58' I.E. 10" IN (N)=217.37' I.E. 10" IN (NE)=217.50' I.E. 12" OUT (S)=217.27' 64.78 LF 12" CONC. (D/S) @S=0.004
- 6 INSTALL CONCRETE GRATE INLET TYPE CG-2 PER ODOT STD. DRG. #RD336 AT 3/8 CURB RETURN (LOW POINT) STA. 10+43.76/35.46' RT. (COLLEGE) TC=219.29' 10.71 LF 10" CONC. @S=0.010 I.E. 10" (SW)=217.61'
- 7 INSTALL CONCRETE GRATE INLET TYPE CG-2 PER ODOT STD. DRG. #RD336 STA. 1+81.90/21.50' LT. (MTVW.) TC=221.00' 48.33 LF 10" CONC. @S=0.010 I.E. 10" OUT (S)=218.27'
- 8 INSTALL CONCRETE CURB INLET TYPE CG-2 PER ODOT STD. DRG. #RD336 AT P.T. CURB RETURN STA. 1+81.90/29.81' RT. (MTVW.) TC=221.24' 56.43 LF 10" CONC. (D/S) @S=0.010 I.E. 10" IN (N)=217.79' I.E. 10" OUT (W)=217.69'
- 9 INSTALL SHALLOW MANHOLE PER CITY STD. #205 OVER EXISTING ENDS OF TWIN PIPES STA. 9+72.31/25.50' RT. (COLLEGE) CONSTRUCT POUR-IN-PLACE BASE PER CITY STD. #203. GROUT TO FORM FLOW CHANNELS TO EXISTING TWIN 12" PIPES RIM=219.66' I.E. 12" IN (N)=217.01' I.E. 10" IN (E)=217.13' EXTG. I.E. TWO 12" OUT (W)=216.96'
- 29 INSTALL CONCRETE GRATE INLET TYPE CG-2 PER ODOT STD. DRG. #RD336 STA. 8+00.00/27.00' RT. (COLLEGE) TC=219.39' 134.63 LF 12" CONC. D/S @S=0.005 I.E. 12" OUT (S)=216.82'
- 30 PROVIDE 2:1 BEVEL CUT AT END OF PIPE. INSTALL RIPRAP OUTLET PROTECTION 6" W x 10" L x 1' D OF 4" SIZE ROCK STA. 6+65.37/25.50' RT. (COLLEGE) HAND-PLACE RIPRAP ON TOP OF MIRAFI 700X FILTER FABRIC OR EQUAL. FLUSH TOP OF RIPRAP WITH FLOWLINE. ALIGN, CLEAN & RESHAPE CHANNEL FOR POSITIVE FLOW I.E. 12" OUT (S)=216.15'



CAUTION:
NW NATURAL GAS INSTALLED A GAS LINE CONNECTING VILLA AND COLLEGE IN NOVEMBER 2001.
THE GAS LINE IS ABOVE THE WATER MAIN AT THE CROSSING ON EAST SIDE OF COLLEGE STREET.
CONTRACTOR SHALL POTHOLE TO VERIFY DEPTH AND LOCATION.

MATCHLINE STA. 3+00
SEE SHEET c5



THIS PRINT IS
HALF SIZE
REPRODUCED

COMMUNITY DEVELOPMENT
ENGINEERING DIVISION
P.O. BOX 970
414 E. FIRST ST.
NEWBERG, OREGON 97132
PH: (503) 537-1240
FAX: (503) 537-1277
City of Newberg

STORM PLAN AT COLLEGE ST.
for
MOUNTAINVIEW DRIVE IMPROVEMENTS PROJECT
FROM N. COLLEGE TO VILLA RD.
CITY OF NEWBERG, YAMHILL COUNTY, OREGON

REGISTERED PROFESSIONAL
ENGINEER
PAUL C. CHIU
OREGON
JULY 19, 1998
EXP: 12/31/02

SCALE: AS SHOWN	NO.	REVISION	DATE
DATE: AUGUST 1, 2001	1.		
DRAWN: RYAN TRUGER	2.		
DESIGNED: RYAN TRUGER	3.		
APPROVED:	4.		

SHEET
c4 OF 16

NOTES:

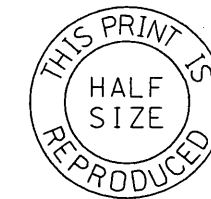
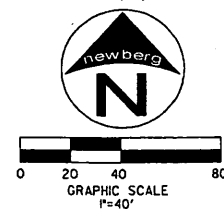
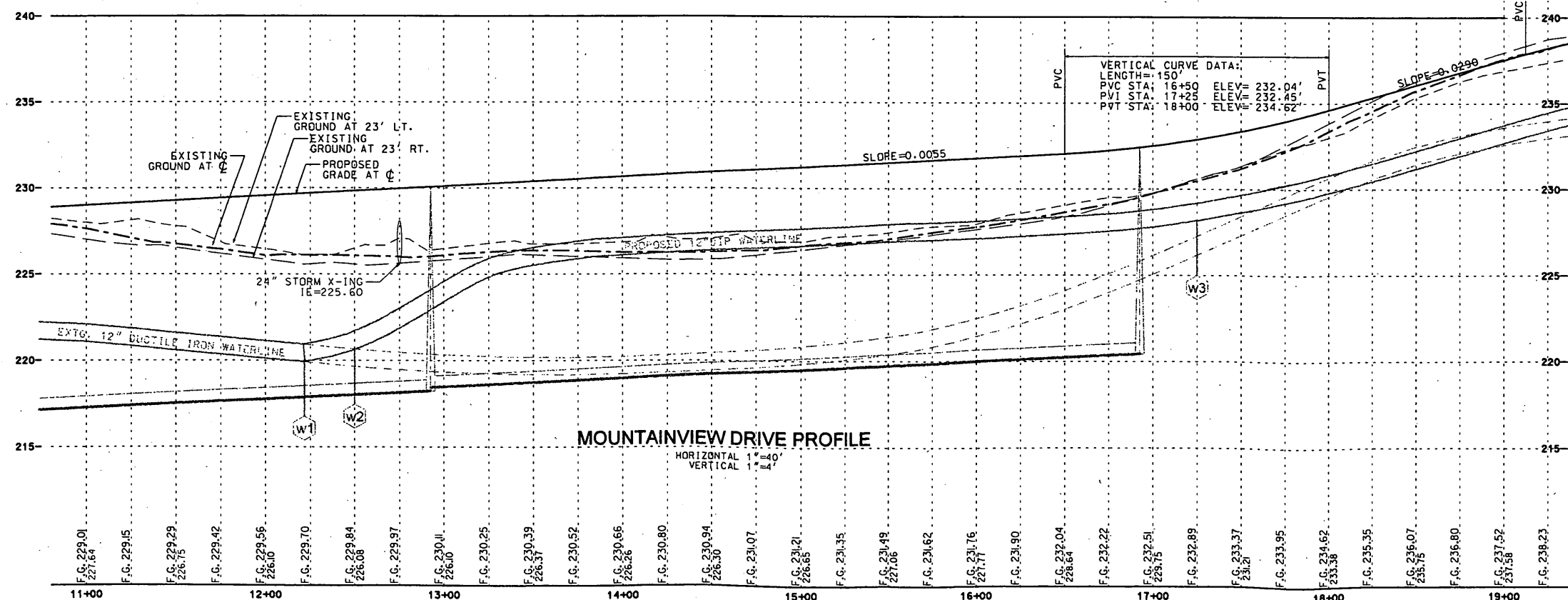
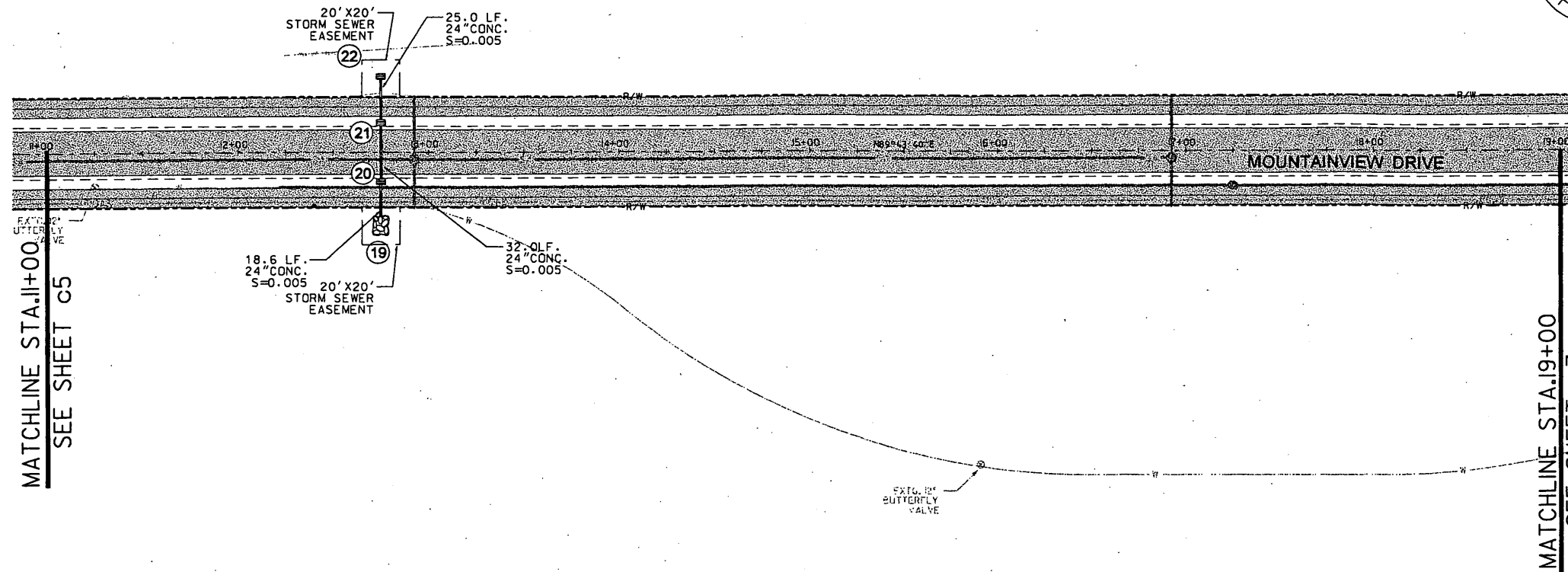
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CONTRACTOR SHALL REPORT ENCOUNTER OF ANY DRAINAGE TILES IMMEDIATELY TO CITY INSPECTOR.

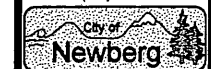
CONTRACTOR SHALL RESTORE OR PROVIDE ALTERNATIVE MEANS OF CONVEYANCE AS NECESSARY. RESTORATION OF DRAINAGE TILES IS CONSIDERED INCIDENTAL WORK TO SITE RESTORATION.

CONTRACTOR SHALL USE EXCAVATED TRENCH MATERIAL AS FILL FOR ROAD CONSTRUCTION.

- 19 PROVIDE 2:1 BEVEL CUT AT END OF PIPE. INSTALL RIPRAP OUTLET PROTECTION 8'W x 10' L x 1' D OF 4"-6" SIZE ROCK STA. 12+75.00/34.64' RT. (MTVW.) HAND-PLACE RIPRAP ON TOP OF MIRAFI 700X FILTER FABRIC OR EQUAL. FLUSH TOP OF RIPRAP WITH FLOWLINE. ALIGN, CLEAN & RESHAPE CHANNEL FOR POSITIVE FLOW I.E. 24" OUT= 225.35'
- 20 INSTALL CONCRETE DITCH INTERCEPTOR PER CITY STD. #403 STA. 12+75.00/16.00' RT. (MTVW.) ANGULAR GRADE (LOWER END - NORTH SIDE)= 228.27' (UPPER END - SOUTH SIDE)= 229.52' 18.64 LF 24" CONC. @S= 0.005 I.E. 24" IN (N)= 225.54' I.E. 24" OUT (S)= 225.44'
- 21 INSTALL CONCRETE DITCH INTERCEPTOR PER CITY STD. #403 STA. 12+75.00/16.00' LT. (MTVW.) ANGULAR GRADE (LOWER END - SOUTH SIDE)= 228.27' (UPPER END - NORTH SIDE)= 229.52' 32.00 LF 24" CONC. @S= 0.005 I.E. 24" IN (N)= 225.80' I.E. 24" OUT (S)= 225.70'
- 22 AFTER REMOVING AREA DRAIN, INSTALL CONCRETE DITCH INTERCEPTOR TYPE "B" PER CITY STD. #406 STA. 12+75.00/41.00' LT. (MTVW.) ANGULAR GRADE (LOWER END - NORTH SIDE)= 226.43' (UPPER END - SOUTH SIDE)= 228.74' 25.00 LF 24" CONC. @S= 0.005 I.E. 24" OUT (S)= 225.93'



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STREET & STORM PLAN, STA. 11+00-19+00
for
MOUNTAINVIEW DRIVE IMPROVEMENTS PROJECT
FROM N. COLLEGE TO VILLA RD.
CITY OF NEWBERG, YAMHILL COUNTY, OREGON



SCALE: AS SHOWN	NO.	REVISION	DATE
DATE: AUGUST 1, 2001	1.		
DRAWN: Ryan Truair	2.		
DESIGNED: Ryan Truair	3.		
APPROVED:	4.		

SHEET
C6 OF 16

NOTES:

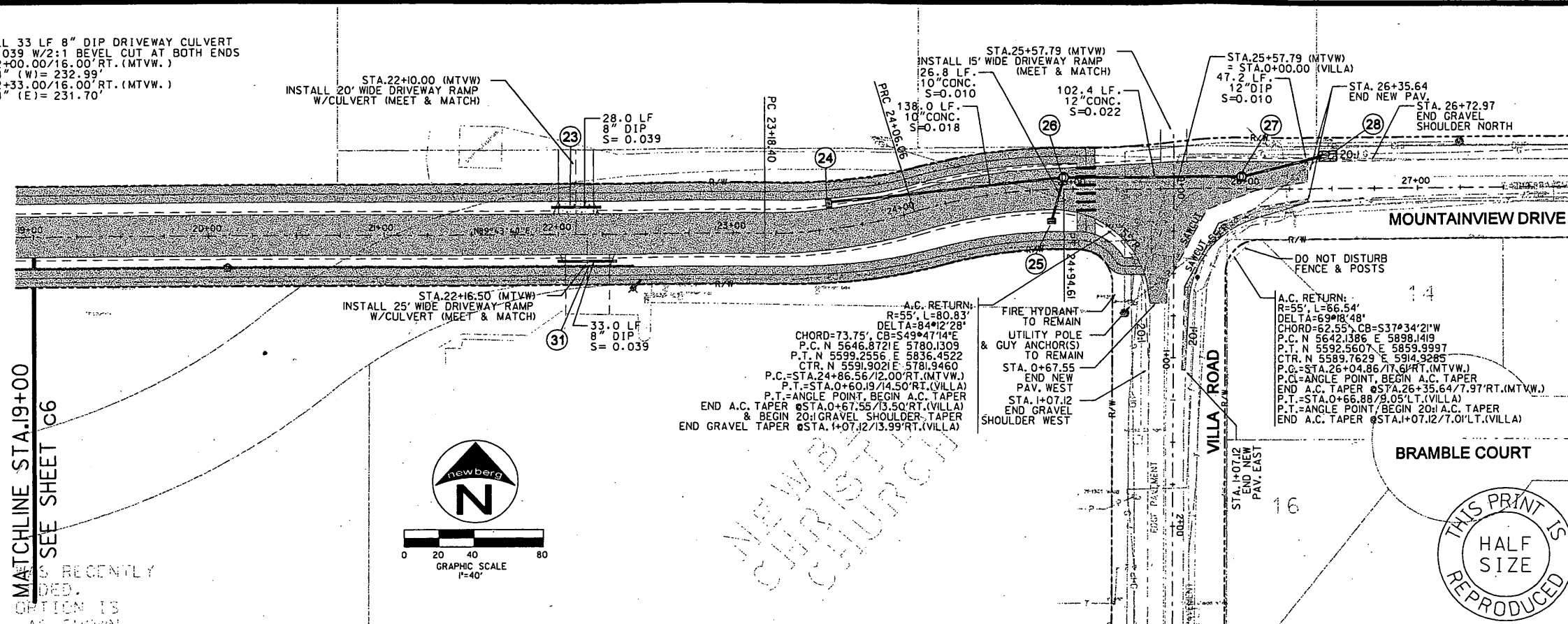
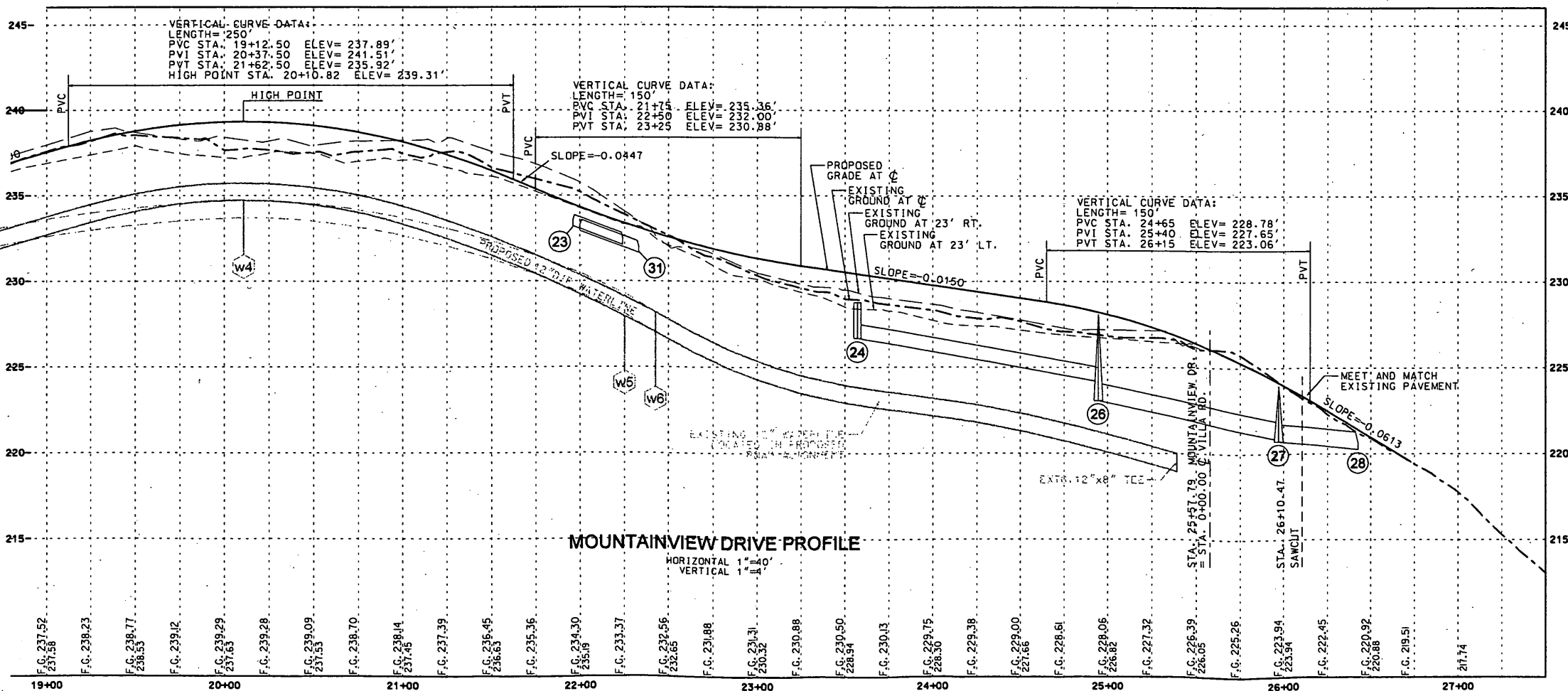
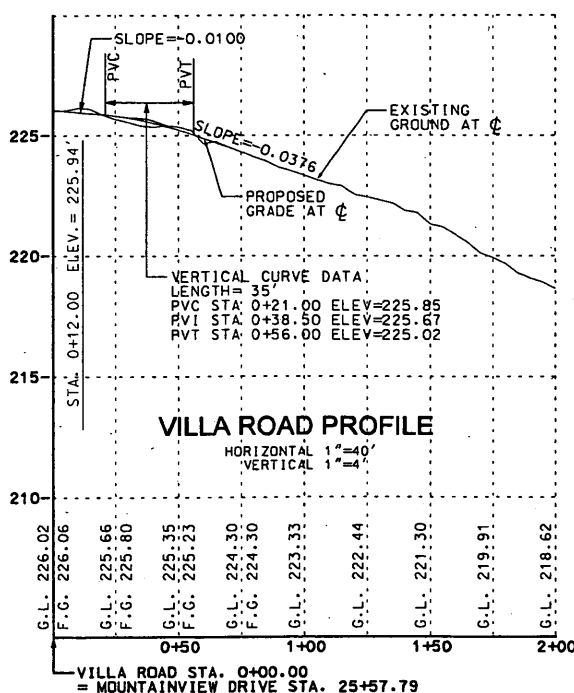
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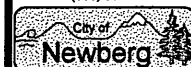
CONTRACTOR SHALL RESTORE OR PROVIDE ALTERNATIVE MEANS OF CONVEYANCE AS NECESSARY. RESTORATION OF DRAINAGE TILES IS CONSIDERED INCIDENTAL WORK TO SITE RESTORATION.

CONTRACTOR SHALL USE EXCAVATED TRENCH MATERIAL AS FILL FOR ROAD CONSTRUCTION.

23. INSTALL 28 LF 8" DIP DRIVEWAY CULVERT @S= 0.039 W/2:1 BEVEL CUT AT BOTH ENDS STA. 21+96.00/16.00' LT. (MTVW.) I.E. 8" (W)= 233.15' STA. 22+24.00/16.00' LT. (MTVW.) I.E. 8" (E)= 232.06'
24. INSTALL CONCRETE DITCH INTERCEPTOR PER CITY STD. #403 STA. 23+57.00/15.75' LT. (MTVW.) ANGULAR GRATE (LOWER END - WEST SIDE)= 228.75' (UPPER END - EAST SIDE)= 230.00' 137.99 LF 10" CONC. @S= 0.018 I.E. 10" OUT (E)= 226.67' PROVIDE 12" SUMP
25. INSTALL CONCRETE DITCH INTERCEPTOR PER CITY STD. #403 STA. 24+87.00/18.75' RT. (MTVW.) ANGULAR GRATE (LOWER END - SOUTH SIDE)= 225.50' (UPPER END - NORTH SIDE)= 226.75' 26.81 LF 10" CONC. @S= 0.010 I.E. 10" OUT (N)= 223.50' PROVIDE 12" SUMP
26. INSTALL STORM MANHOLE PER CITY STD. #204 STA. 24+94.61/7.00' LT. (MTVW.) RIM= 228.06' 102.39 LF 12" CONC. @S= 0.022 (D/S) I.E. 10" IN (S)= 223.23' I.E. 10" IN (W)= 224.19' I.E. 12" OUT (E)= 223.06'
27. INSTALL SHALLOW MANHOLE PER CITY STD. #205 STA. 25+97.00/7.00' LT. (MTVW.) RIM= 223.94' 47.19 LF 12" DIP @S= 0.010 (D/S) I.E. 12" IN (W)= 220.81' I.E. 12" OUT (E)= 220.71'
28. PROVIDE 2:1 BEVEL CUT AT END OF D.I. PIPE. INSTALL RIPRAP OUTLET PROTECTION 6' W x 10' L x 1' D OF 4"-6" SIZE ROCK STA. 26+42.64/19.00' LT. (MTVW.) HAND-PLACE RIPRAP ON TOP OF MIRAFI 700X FILTER FABRIC OR EQUAL. FLUSH TOP OF RIPRAP WITH FLOWLINE. ALIGN, CLEAN & RESHAPE CHANNEL FOR POSITIVE FLOW I.E. 12" OUT= 220.24'



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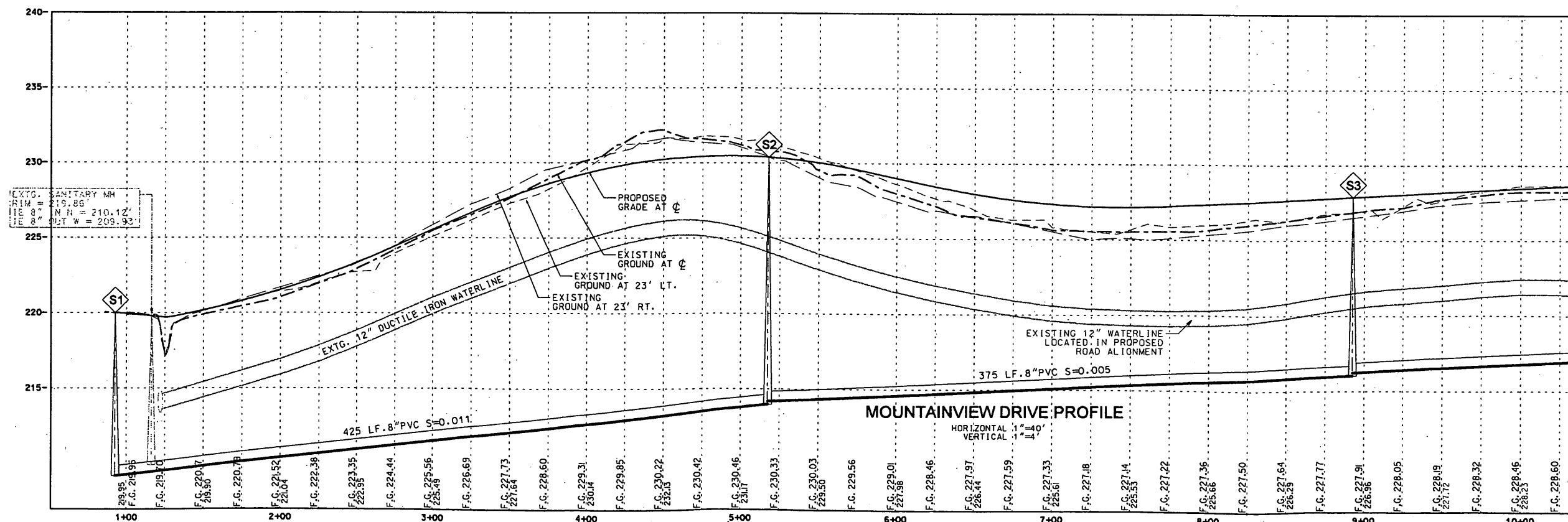
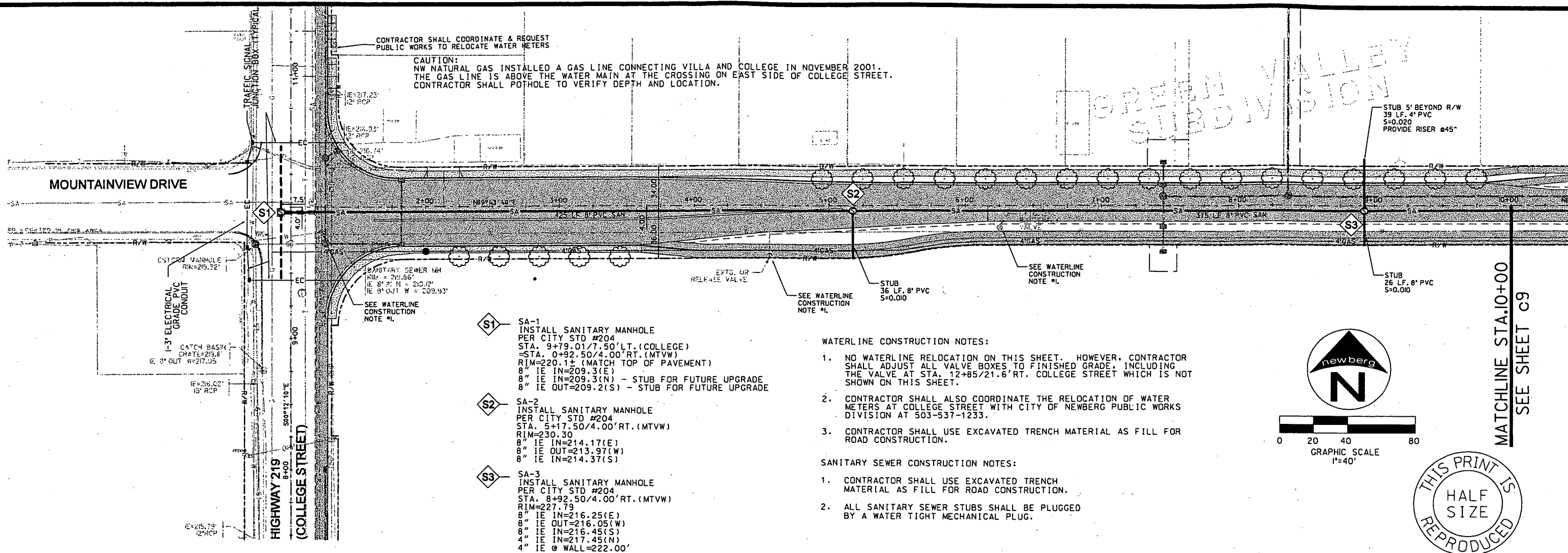
STREET & STORM PLAN AT VILLA RD.
for
MOUNTAINVIEW DRIVE IMPROVEMENTS PROJECT
FROM N. COLLEGE TO VILLA RD.
CITY OF NEWBERG, YAMHILL COUNTY, OREGON



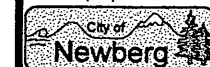
SCALE: AS SHOWN	NO.	REVISION	DATE
DATE: AUGUST 1, 2001	1.		
DRAWN: RYON TRUGER	2.		
DESIGNED: RYON TRUGER	3.		
APPROVED:	4.		

SHEET

c7 OF 16



COMMUNITY DEVELOPMENT
ENGINEERING DIVISION
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414 E. FIRST ST.
NEWBERG, OREGON 97132
PH (503) 537-1240
FAX (503) 537-1277



STANITARY & WATER PLAN AT COLLEGE ST.
for
MOUNTAINVIEW DRIVE IMPROVEMENTS PROJECT
FROM N. COLLEGE TO VILLA RD.
CITY OF NEWBERG, YAMHILL COUNTY, OREGON



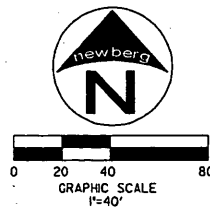
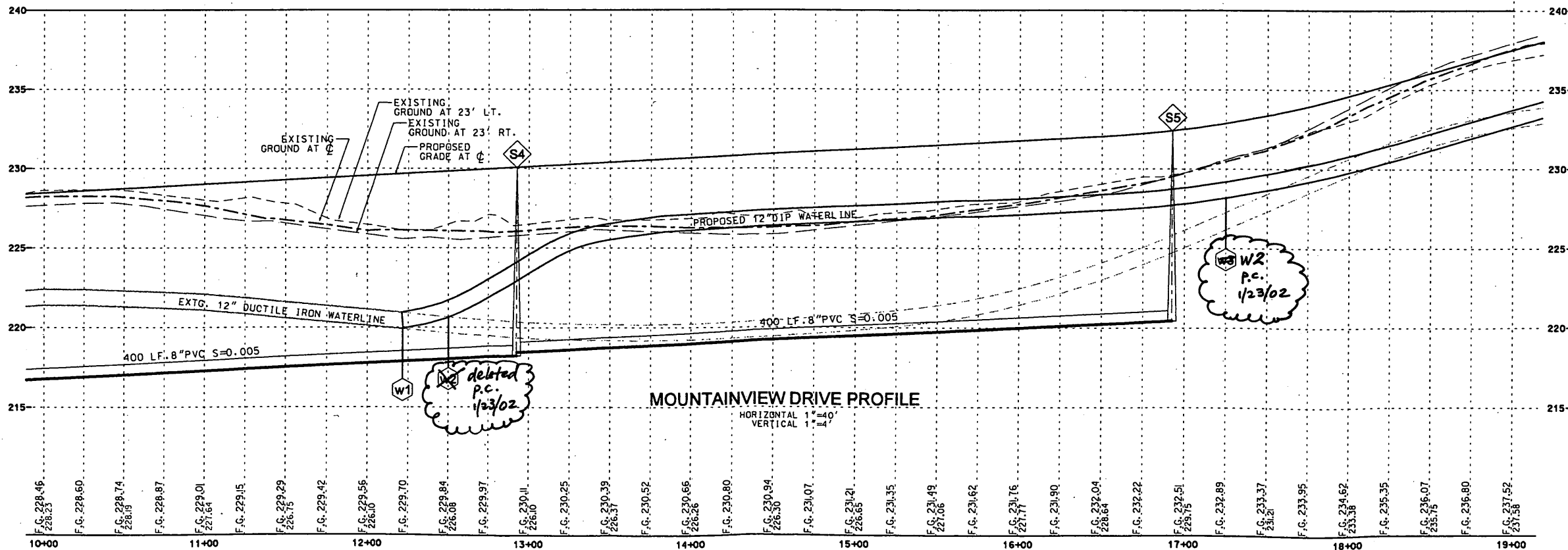
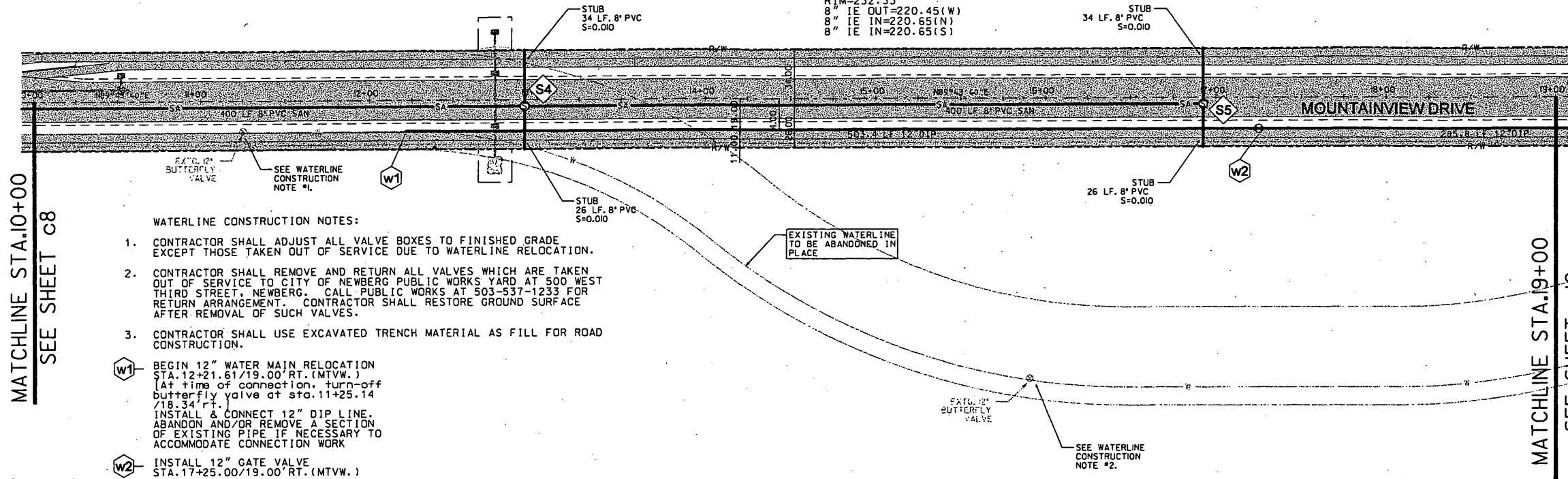
SCALE: AS SHOWN	NO.	REVISION	DATE
DATE: AUGUST 1, 2001	1.		
DRAWN: Paul Chiu	2.		
DESIGNED: Ryan Truair	3.		
APPROVED:	4.		

SANITARY SEWER CONSTRUCTION NOTES:

1. CONTRACTOR SHALL USE EXCAVATED TRENCH MATERIAL AS FILL FOR ROAD CONSTRUCTION.
2. ALL SANITARY SEWER STUBS SHALL BE PLUGGED BY A WATER TIGHT MECHANICAL PLUG.

SA-4
INSTALL SANITARY MANHOLE
PER CITY STD #204
STA. 12+92.50/4.00' RT. (MTVW)
RIM=229.99
8" IE IN=218.45(E)
8" IE OUT=218.25(W)
8" IE IN=218.65(N)
8" IE IN=218.65(S)

SA-5
INSTALL SANITARY MANHOLE
PER CITY STD #204
STA. 16+92.50/4.00' RT. (MTVW)
RIM=232.33
8" IE OUT=220.45(W)
8" IE IN=220.65(N)
8" IE IN=220.65(S)



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SIZE
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ENGINEERING DIVISION
P.O. BOX 970
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NEWBERG, OREGON 97132
PH: (503) 537-1240
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SANITARY & WATER PLAN STA. 10+00-19+00
for
MOUNTAINVIEW DRIVE IMPROVEMENTS PROJECT
FROM N. COLLEGE TO VILLA RD.
CITY OF NEWBERG, YAMHILL COUNTY, OREGON

REGISTERED PROFESSIONAL
ENGINEER
PAUL C. CHIU
OREGON
JULY 19, 1994
EXP: 12/31/03

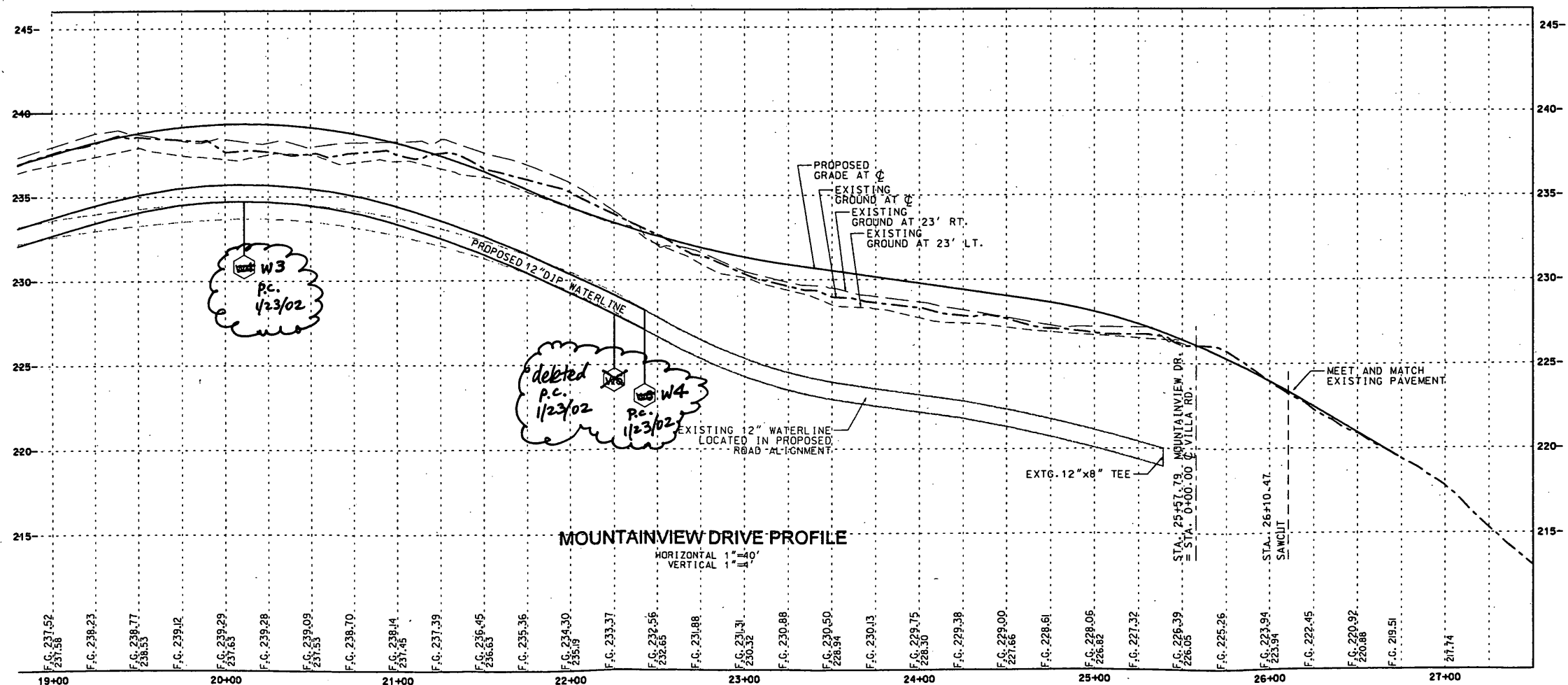
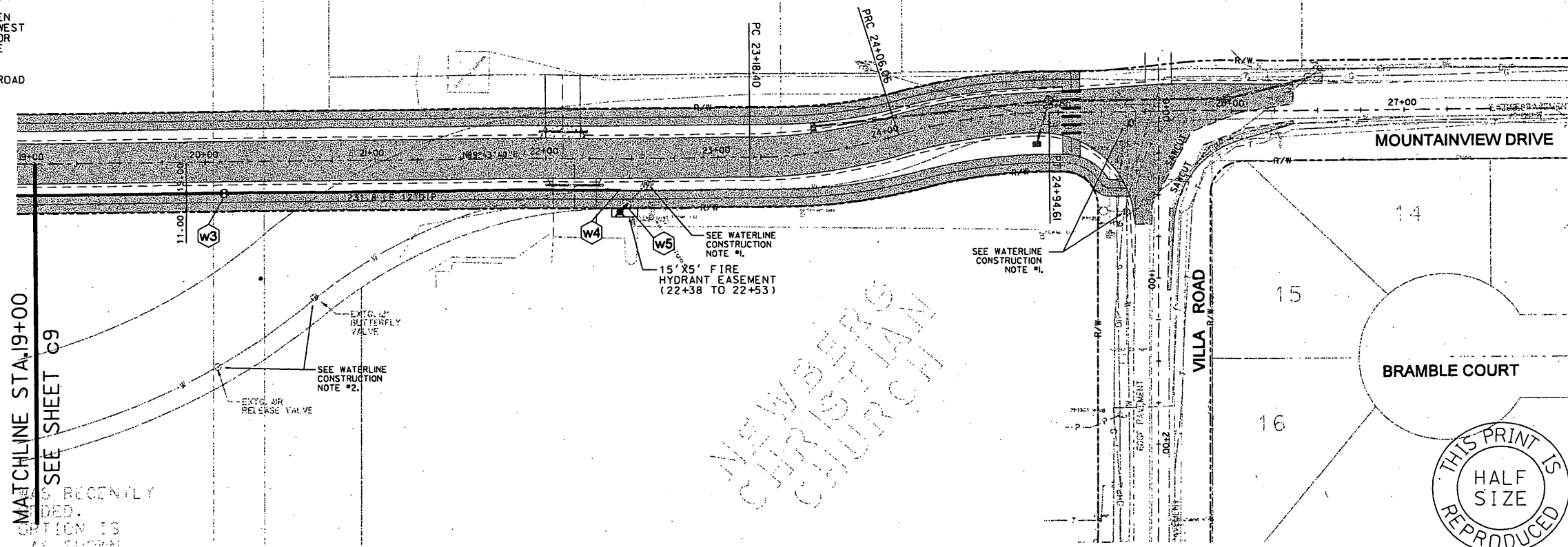
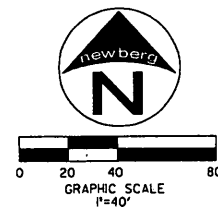
SCALE: AS SHOWN	NO.	REVISION	DATE
DATE: AUGUST 1, 2001	1.		
DRAWN: Paul Chiu	2.		
DESIGNED: Ryan Truair	3.		
APPROVED:	4.		

SHEET
C9 OF 16

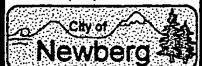
WATERLINE CONSTRUCTION NOTES:

1. CONTRACTOR SHALL ADJUST ALL VALVE BOXES TO FINISHED GRADE EXCEPT THOSE TAKEN OUT OF SERVICE DUE TO WATERLINE RELOCATION.
2. CONTRACTOR SHALL REMOVE AND RETURN ALL VALVES WHICH ARE TAKEN OUT OF SERVICE TO CITY OF NEWBERG PUBLIC WORKS YARD AT 500 WEST THIRD STREET, NEWBERG. CALL PUBLIC WORKS AT 503-537-1233 FOR RETURN ARRANGEMENT. CONTRACTOR SHALL RESTORE GROUND SURFACE AFTER REMOVAL OF SUCH VALVES.
3. CONTRACTOR SHALL USE EXCAVATED TRENCH MATERIAL AS FILL FOR ROAD CONSTRUCTION.

- W3 INSTALL AIR RELEASE VALVE AT HIGH POINT STA. 20+10.82/19.00' RT. (MTVW.)
- W4 END 12" WATER MAIN RELOCATION STA. 22+42.57/19.00' RT. (MTVW.) [At time of connection, turn-off valve at sta. 22+58.05/15.24' RT.] INSTALL & CONNECT 12" DIP LINE. ABANDON AND/OR REMOVE A SECTION OF EXISTING PIPE IF NECESSARY TO ACCOMMODATE CONNECTION WORK
- W5 RELOCATE FIRE HYDRANT FROM STA. 22+47.12/27.43' RT. (MTVW.) TO STA. 22+42.72/32.00' RT. (MTVW.) (EXTEND 6.3' +/- SPOOL LENGTH)



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NEWBERG, OREGON 97132
PH. (503) 537-1240
FAX (503) 637-1277



WATER PLAN AT VILLA RD. for MOUNTAINVIEW DRIVE IMPROVEMENTS PROJECT FROM N. COLLEGE TO VILLA RD. CITY OF NEWBERG, YAMHILL COUNTY, OREGON



SCALE: AS SHOWN	NO.	REVISION	DATE
DATE: AUGUST 1, 2001	1.		
DRAWN: Paul Chiu	2.		
DESIGNED: Ryan Truair	3.		
APPROVED:	4.		

SHEET

C10 OF 16

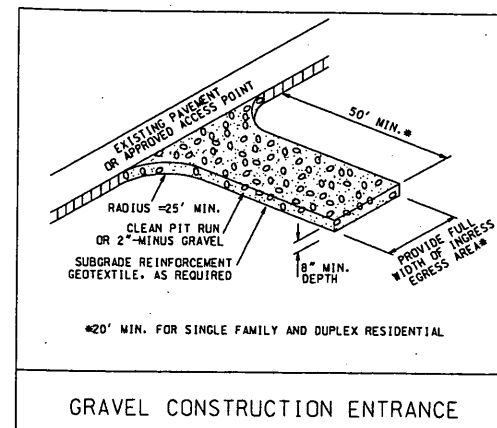
EROSION CONTROL PLAN
for
MOUNTAINVIEW DRIVE IMPROVEMENTS PROJECT
FROM N. COLLEGE TO VILLA RD.
CITY OF NEWBERG, YAMHILL COUNTY, OREGON



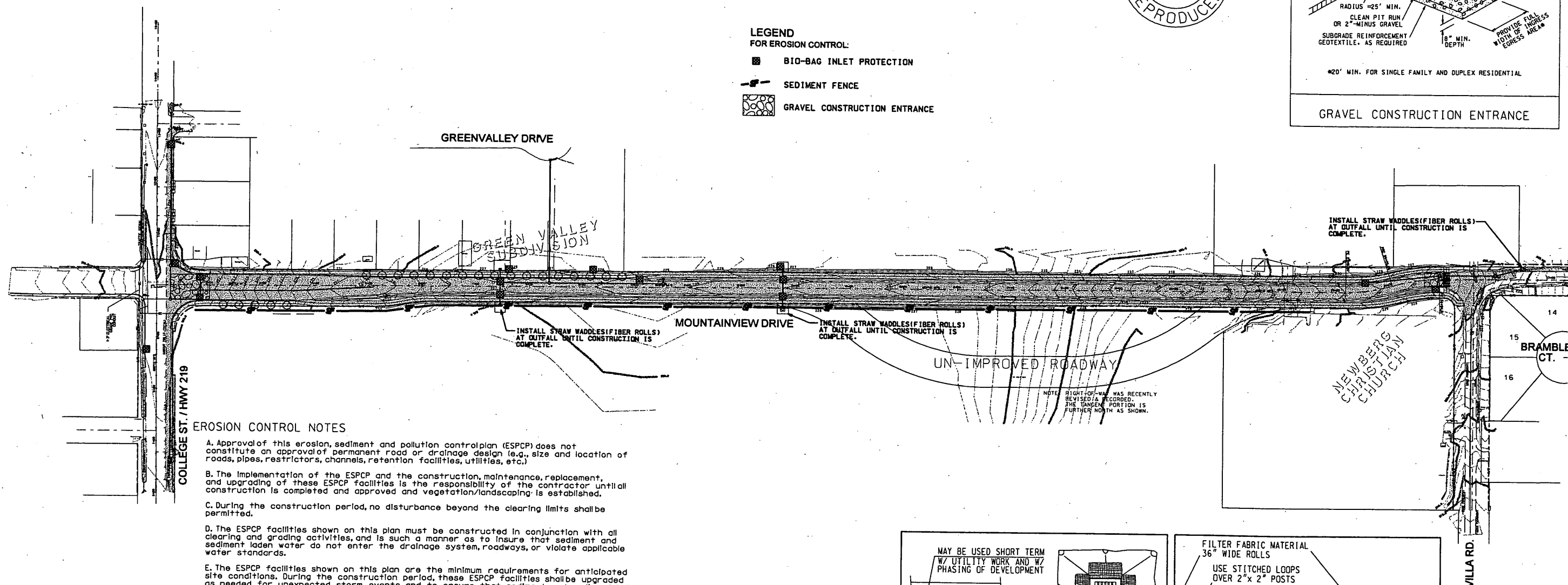
SCALE: AS SHOWN	NO.	REVISION	DATE
DATE: AUGUST 1, 2001	1.		
DRAWN: Paul Chiu	2.		
DESIGNED: Ryan Trudler	3.		
APPROVED:	4.		

SHEET

c11
OF
16



- LEGEND**
FOR EROSION CONTROL:
- BIO-BAG INLET PROTECTION**
 - SEDIMENT FENCE**
 - GRAVEL CONSTRUCTION ENTRANCE**

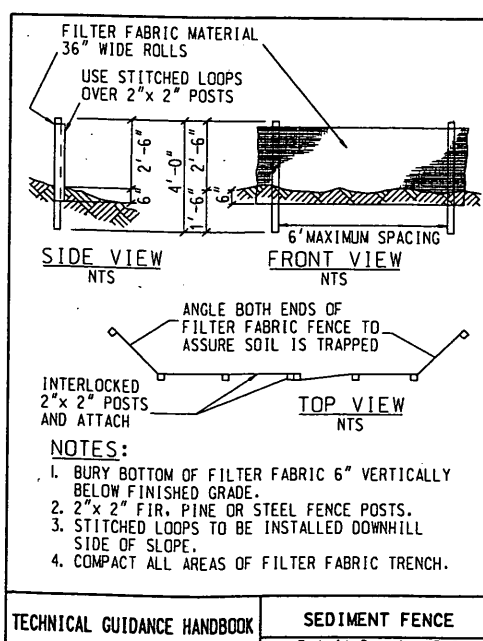
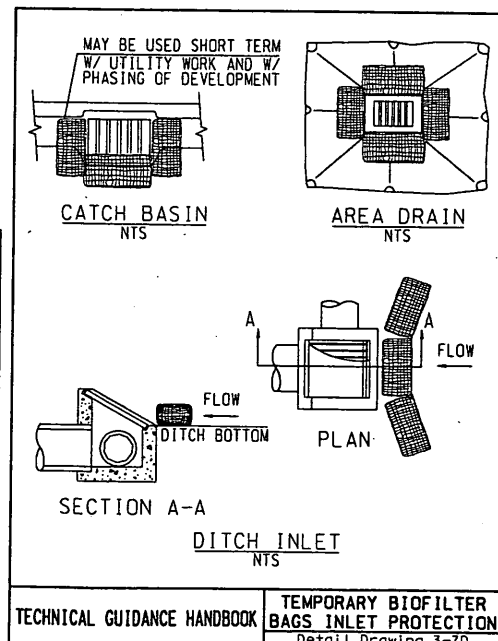
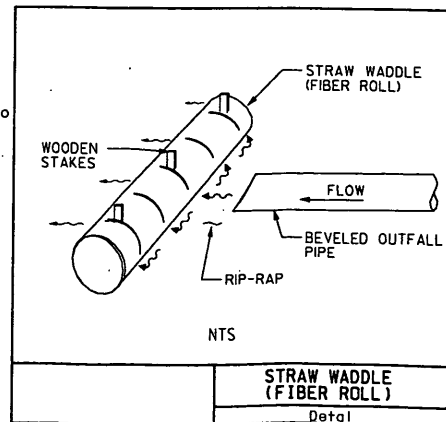


EROSION CONTROL NOTES

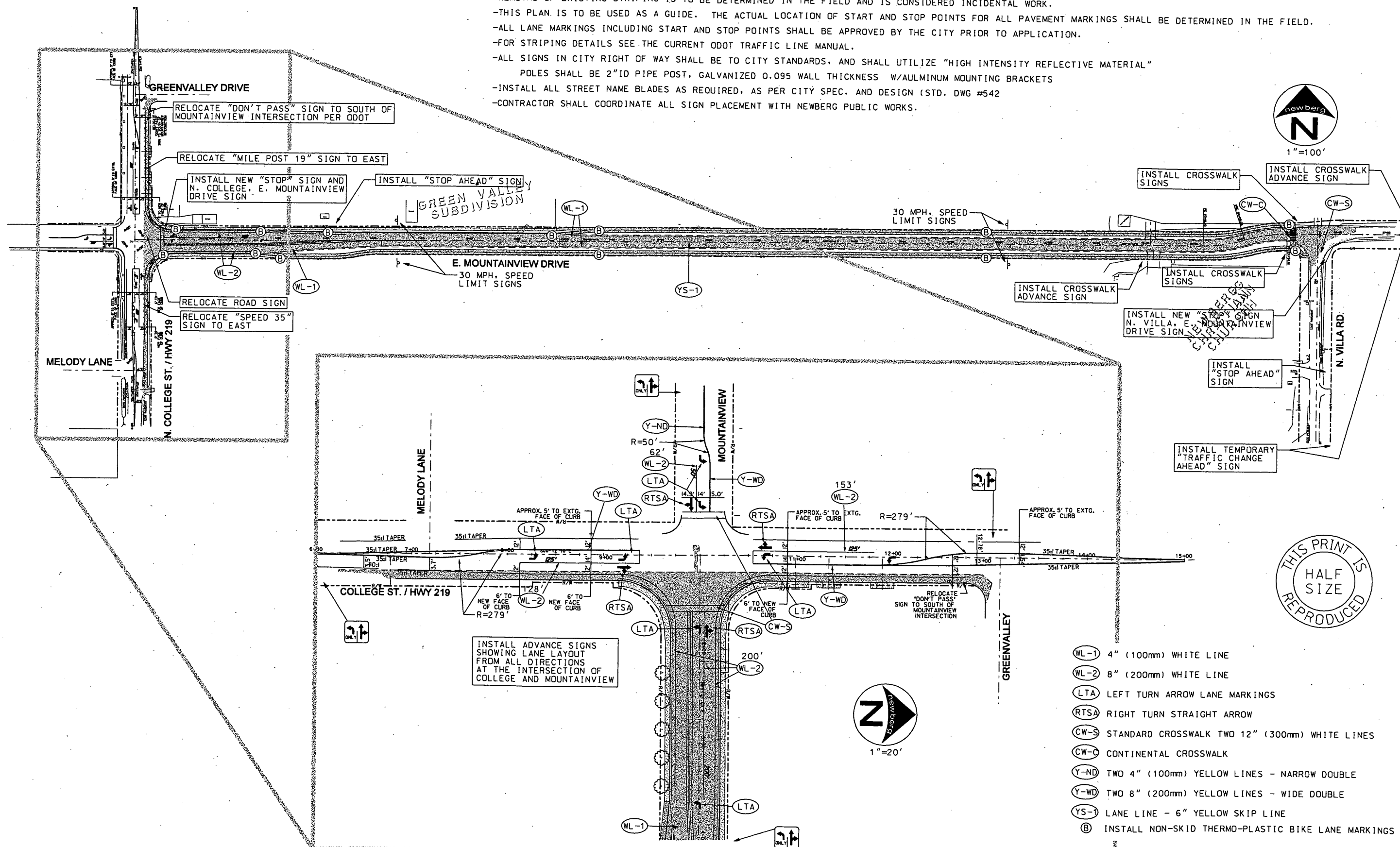
- Approval of this erosion, sediment and pollution control plan (ESPCP) does not constitute an approval of permanent road or drainage design (e.g., size and location of roads, pipes, restrictors, channels, retention facilities, utilities, etc.).
- The implementation of the ESPCP and the construction, maintenance, replacement, and upgrading of these ESPCP facilities is the responsibility of the contractor until all construction is completed and approved and vegetation/landscaping is established.
- During the construction period, no disturbance beyond the clearing limits shall be permitted.
- The ESPCP 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 and sediment-laden water do not enter the drainage system, roadways, or violate applicable water standards.
- The ESPCP facilities shown on this plan are the minimum requirements for anticipated site conditions. During the construction period, these ESPCP facilities shall be upgraded as needed for unexpected storm events and to ensure that sediment and sediment-laden water do not leave the site.
- The ESPCP facilities shall be inspected daily by the contractor and maintained as necessary to ensure their continued functioning.
- The ESPCP facilities on inactive sites shall be inspected and maintained a minimum of once a month or within 24 hours following a storm event.
- Stabilized construction 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.

Sediment Fences

- The filter fabric shall be purchased in a continuous rollout of the length of the barrier to avoid use of joints. When joints are necessary, filter cloth shall be spliced together only at a support post, with a minimum 6-inch overlap, and both ends securely fastened to the post, or overlap 2 inch x 2-inch posts and attach as shown on the detail (this sheet).
- The filter fabric fence shall be installed to follow the contours where feasible. The fence posts shall be spaced a maximum of 6 feet apart and driven securely into the ground a minimum of 24 inches.
- The filter fabric shall have a minimum vertical burial of 6 inches. All excavated material from filter fabric fence installation, shall be backfilled and compacted, along the entire disturbed area.
- Standard or heavy-duty filter fabric fence shall have manufactured stitched loops for 2 inch x 2-inch post installation. Stitched loops shall be installed on the uphill side of the sloped area.
- Filter fabric fences shall be removed when they have served their useful purpose, but not before the upslope area has been permanently protected and stabilized.
- Filter fabric fences shall be inspected by the contractor immediately after each rainfall and at least daily during prolonged rainfall. Any required repairs shall be made immediately.



- ALL PAVEMENT STRIPING SHALL BE THERMOPLASTIC MARKING MATERIAL PER SECTION 02840 OF THE ODOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.
- REMOVAL OF EXISTING STRIPING IS TO BE DETERMINED IN THE FIELD AND IS CONSIDERED INCIDENTAL WORK.
- THIS PLAN IS TO BE USED AS A GUIDE. THE ACTUAL LOCATION OF START AND STOP POINTS FOR ALL PAVEMENT MARKINGS SHALL BE DETERMINED IN THE FIELD.
- ALL LANE MARKINGS INCLUDING START AND STOP POINTS SHALL BE APPROVED BY THE CITY PRIOR TO APPLICATION.
- FOR STRIPING DETAILS SEE THE CURRENT ODOT TRAFFIC LINE MANUAL.
- ALL SIGNS IN CITY RIGHT OF WAY SHALL BE TO CITY STANDARDS, AND SHALL UTILIZE "HIGH INTENSITY REFLECTIVE MATERIAL"
- POLES SHALL BE 2" ID PIPE POST, GALVANIZED 0.095 WALL THICKNESS W/ALUMINUM MOUNTING BRACKETS
- INSTALL ALL STREET NAME BLADES AS REQUIRED, AS PER CITY SPEC. AND DESIGN (STD. DWG #542
- CONTRACTOR SHALL COORDINATE ALL SIGN PLACEMENT WITH NEWBERG PUBLIC WORKS.



THIS PRINT IS
HALF
SIZE
REPRODUCED

- (WL-1) 4" (100mm) WHITE LINE
- (WL-2) 8" (200mm) WHITE LINE
- (LTA) LEFT TURN ARROW LANE MARKINGS
- (RTSA) RIGHT TURN STRAIGHT ARROW
- (CW-S) STANDARD CROSSWALK TWO 12" (300mm) WHITE LINES
- (CW-C) CONTINENTAL CROSSWALK
- (Y-ND) TWO 4" (100mm) YELLOW LINES - NARROW DOUBLE
- (Y-WD) TWO 8" (200mm) YELLOW LINES - WIDE DOUBLE
- (YS-1) LANE LINE - 6" YELLOW SKIP LINE
- (B) INSTALL NON-SKID THERMO-PLASTIC BIKE LANE MARKINGS

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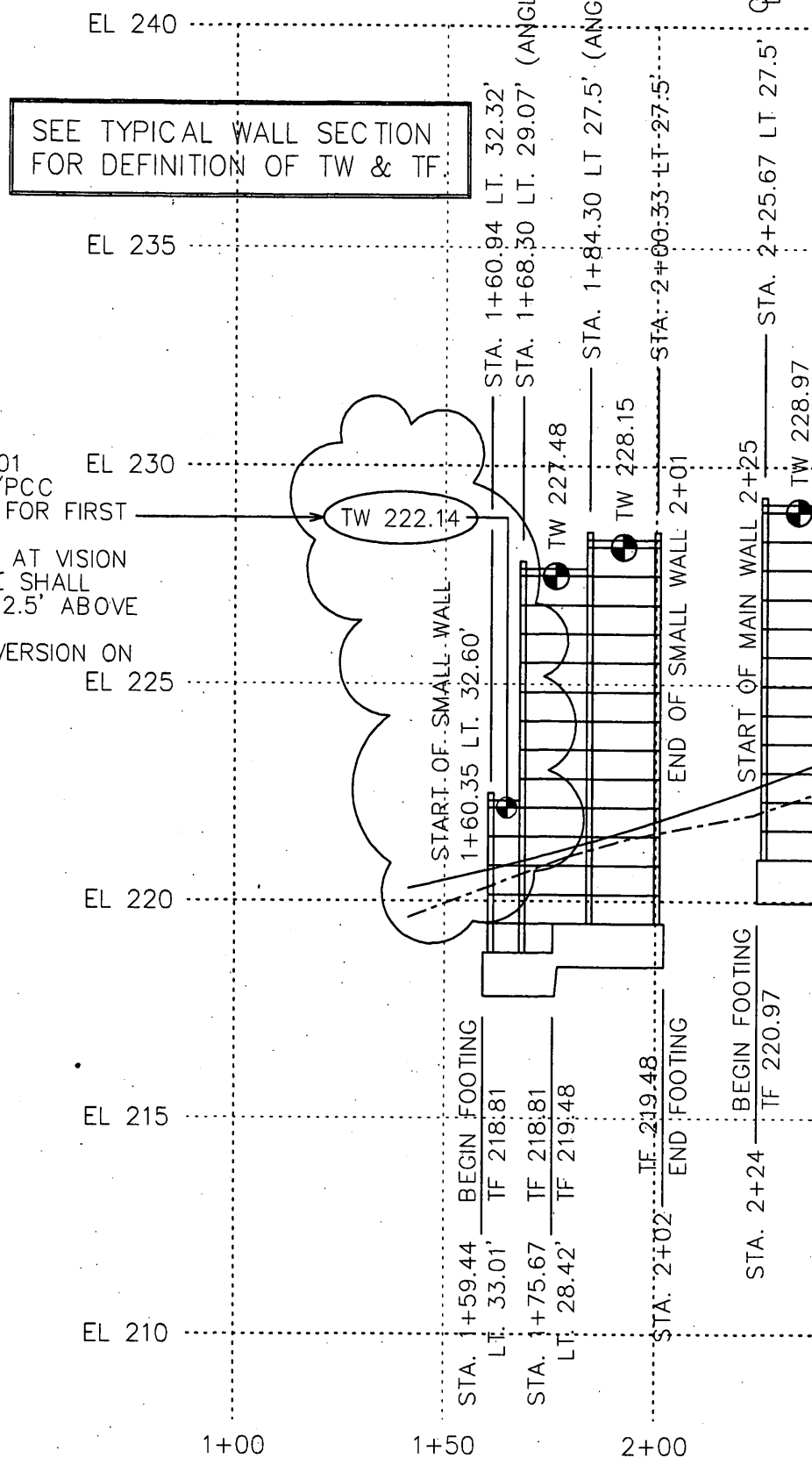
City of
Newberg

SIGNING AND STRIPING PLAN
for
MOUNTAINVIEW DRIVE IMPROVEMENTS PROJECT
FROM N. COLLEGE TO VILLA RD.
CITY OF NEWBERG, YAMHILL COUNTY, OREGON

REGISTERED PROFESSIONAL
ENGINEER
PAUL C. CHIU
OREGON
JULY 19, 1994
EXP: 12/31/03

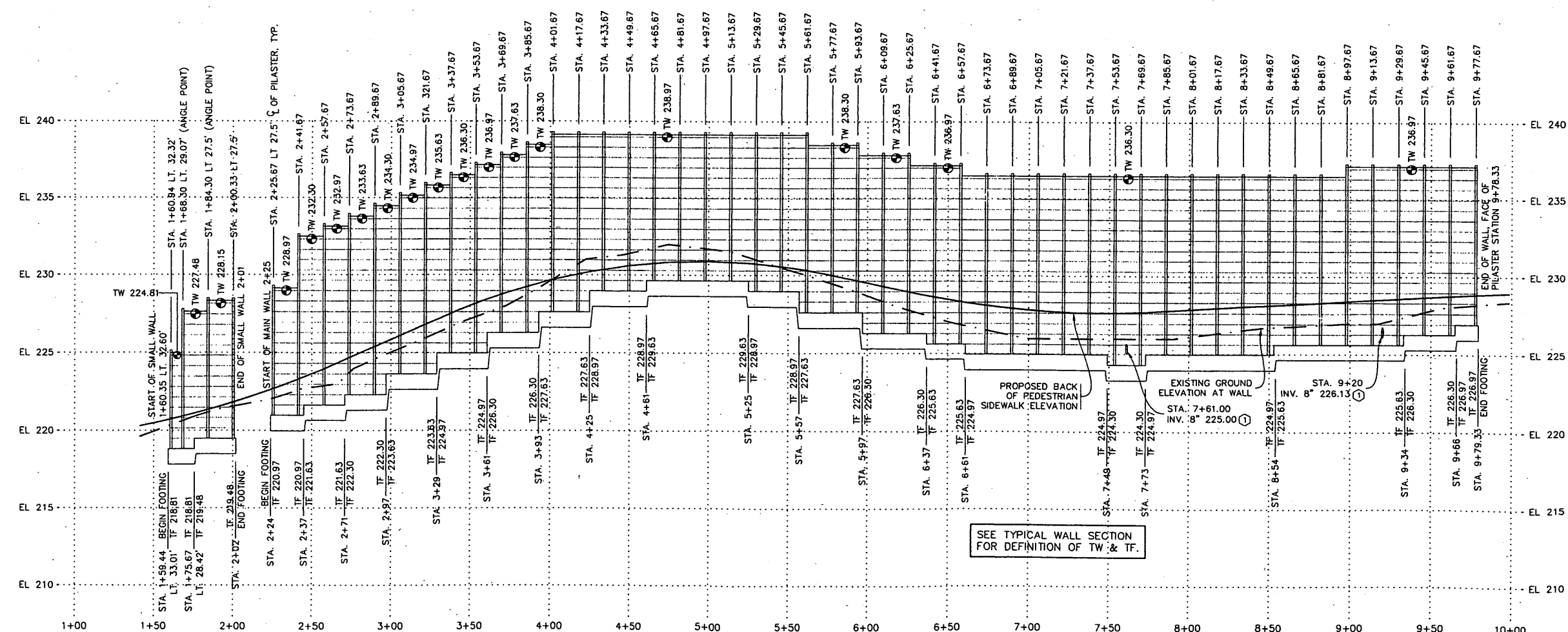
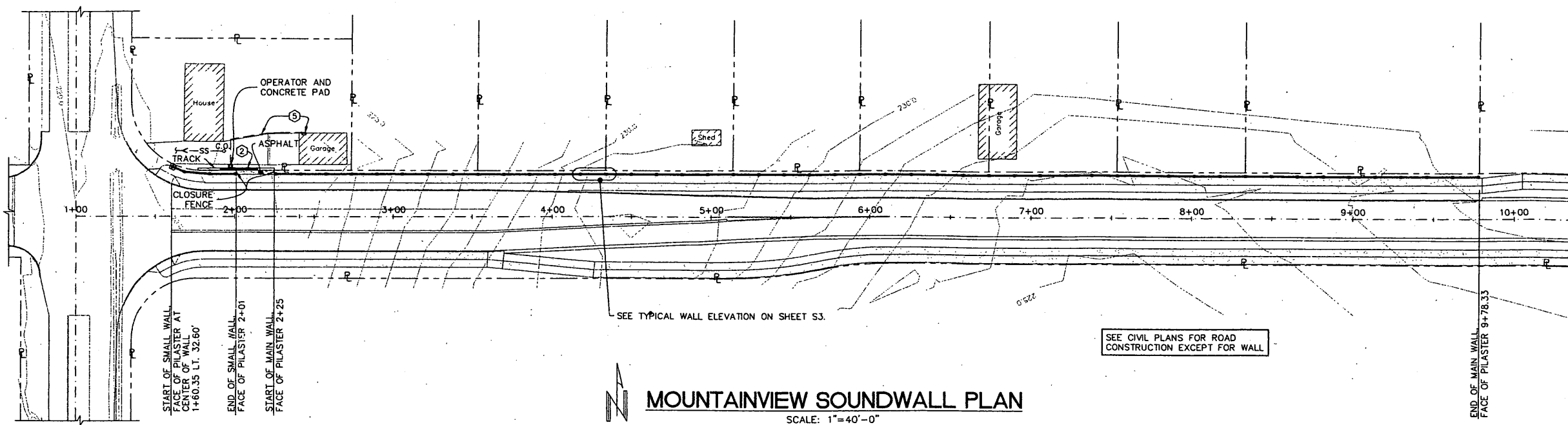
SCALE: AS SHOWN	NO.	REVISION	DATE
DATE: AUGUST 1, 2001	1.		
DRAWN: Paul Chiu	2.		
DESIGNED: Paul Chiu	3.		
APPROVED: Ryan Truglio	4.		

ON SHEET s1 OF 16
 REVISION #2: 10/11/01
 APPROVED BY: RWH/PCC
 LOWER TOP OF WALL FOR FIRST
 PANEL TO 222.14'.
 (NOTE: TOP OF WALL AT VISION
 CLEARANCE TRIANGLE SHALL
 NOT BE MORE THAN 2.5' ABOVE
 FINISHED GROUND.)
 DISREGARD EARLIER VERSION ON
 THIS PART.



MOUNTAINVIEW SOUNDWALL PROFILE, VIEW TO NORTH

SCALE: 1"=40'-0" HORIZ. 1'=4'-0" VERT.



MOUNTAINVIEW SOUNDWALL PROFILE, VIEW TO NORTH
SCALE: 1"=40'-0" HORIZ. 1"=4'-0" VERT.

GENERAL NOTES

- SEE CITY OF NEWBERG STREET IMPROVEMENT PLANS FOR CONSTRUCTION OF STREET AND ASSOCIATED IMPROVEMENTS.
- STATIONING BASED UPON STREET IMPROVEMENT PLANS. THIS ASSUMES INTERSECTION OF COLLEGE AND MOUNTAINVIEW DRIVE CENTERLINES TO BE 1+00.
- ALL STATIONINGS ARE TO CENTERLINE OF WALL PILASTER UNLESS NOTED OTHERWISE.
- ALL STATIONS FOR WALL ARE BASED UPON DIMENSION LEFT OF MOUNTAINVIEW DRIVE CENTERLINE.

KEYED CONSTRUCTION NOTES

- PROPOSED STORM DRAIN LINE THROUGH WALL. LOCATE PIPE SUCH THAT VERTICAL BARS ARE INTACT. HORIZONTAL BOND BEAM BARS MAY STEP UP (1) COURSE WITH 24" LAP TO REMAINING BAR EACH END. VERIFY PIPE LOCATION AND INVERT WITH UTILITY PLANS.
- INSTALL NEW GATE. SINGLE, 24' WIDE X 6' TALL, ROLLER-STYLE, STEEL-FRAMED, SLIDER GATE WITH CHAIN-LINK FABRIC AND WOOD SLATS. WOOD SLAT STAIN COLOR APPROVED BY OWNER FROM STANDARD COLOR SELECTION. V-GROOVE WHEELS TO ROLL ON CONCRETE V-GROOVED TRACK. PROVIDE TRANSMITTER-CONTROLLED OPERATOR FOR OPENING AND CLOSING GATE. SAFETY FEATURES TO MEET UL-325 GATE STANDARDS FOR VEHICULAR USAGE CLASS I WITH HORIZONTAL SLIDE. INCLUDE CONTACT SENSOR SUCH AS EDGE DEVICE.

INSTALLER TO PLACE CONCRETE TRACK, POSTS AND OPERATOR ON CONCRETE PAD OUTSIDE OF THE RIGHT-OF-WAY. GATE INSTALLATION TO BE COORDINATED WITH WALL CONSTRUCTION AND PROPERTY OWNER. INSTALLER TO COORDINATE ELECTRICAL TO RUN ELECTRICAL SUPPLY FOR OPERATOR UNIT.

INSTALL CHAIN-LINK CLOSURE FENCE FROM EDGE OF PILASTER AT WALL OPENING TO FACE OF GATE. CLOSURE FENCE SHOULD NOT BE SUPPORTED BY GATE OR MASONRY WALL. INSTALL 24 FOOT WIDE ASPHALT CONCRETE APRON FROM BACK OF SIDEWALK TO GATE TRACK.

- PILASTERS AT ANGLE POINTS AS DEFINED ON PLAN SHALL BE ORIENTED AT AN ANGLE WHICH IS EQUAL SPLIT OF ANGLE OF WALL ON EITHER SIDE.
- FOOTING SHALL BE STRAIGHT SEGMENTS WITH ANGLE POINTS AS DEFINED ON PLAN.
- INSTALL BURIED ELECTRICAL SUPPLY AND CONNECT TO EXISTING ELECTRICAL PANEL INSIDE GARAGE.



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HOMEPAGE: www.cl-youngman.com
J.O. 01037-1 08 AUG 2001

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Newberg

WALL PLAN & PROFILE
for
MOUNTAINVIEW DRIVE IMPROVEMENTS PROJECT
FROM N. COLLEGE TO VILLA RD.
CITY OF NEWBERG, YAMHILL COUNTY, OREGON

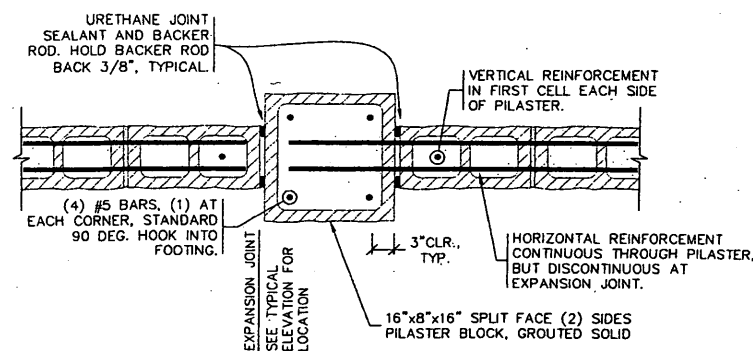
REGISTERED PROFESSIONAL ENGINEER
51,494
JULY 21, 1988
RONALD W. HUDKINS
EXPIRES: 6-30-09

SCALE: AS SHOWN	DATE	NO.	REVISION
DATE: AUGUST 1, 2001		1.	
DRAWN: Charles Fisher		2.	
DESIGNED: Ron Hudkins		3.	
APPROVED:		4.	

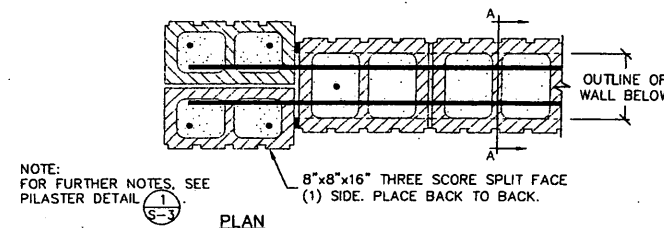
PLOT DATE: 08/08/2001
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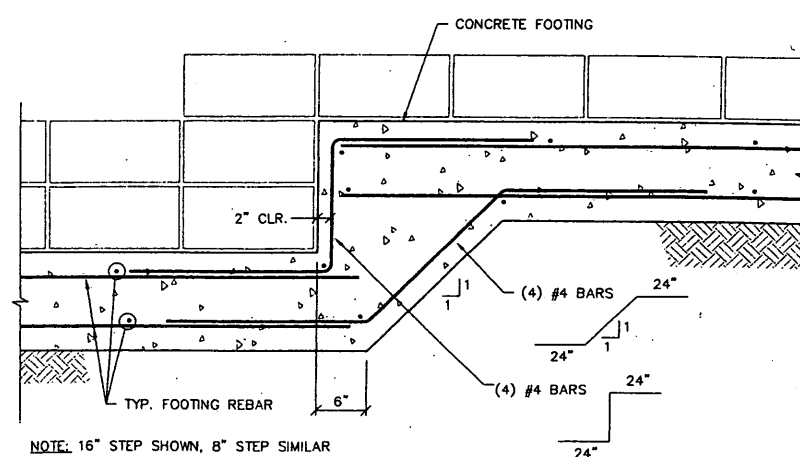
81 OF **16**



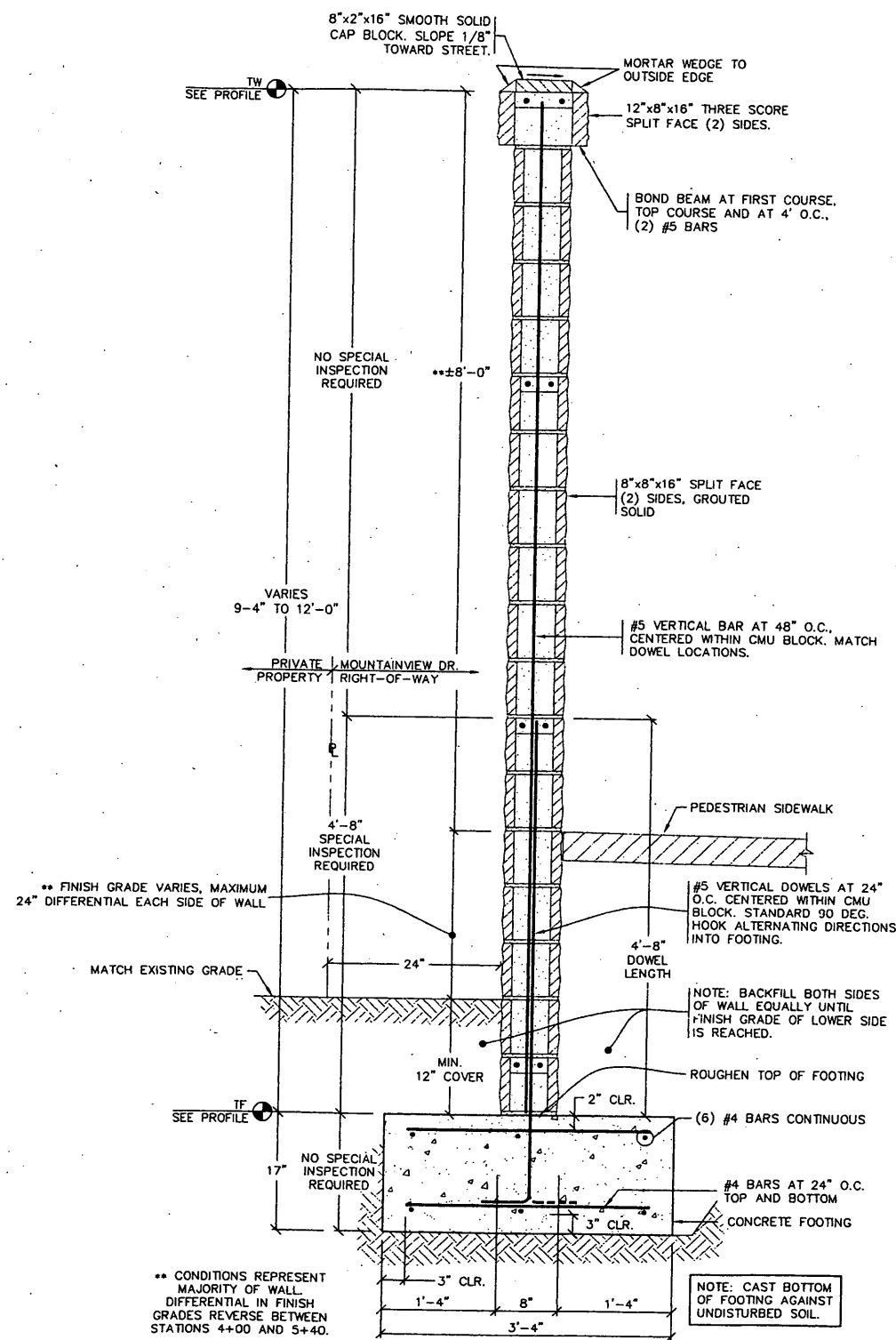
1 PILASTER DETAIL
1"=1'-0"



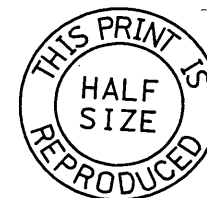
2 HORIZONTAL WALL SECTION AT TOP COURSE
1"=1'-0"



3 STEP DETAIL
1"=1'-0"



4 TYPICAL WALL SECTION
1"=1'-0"



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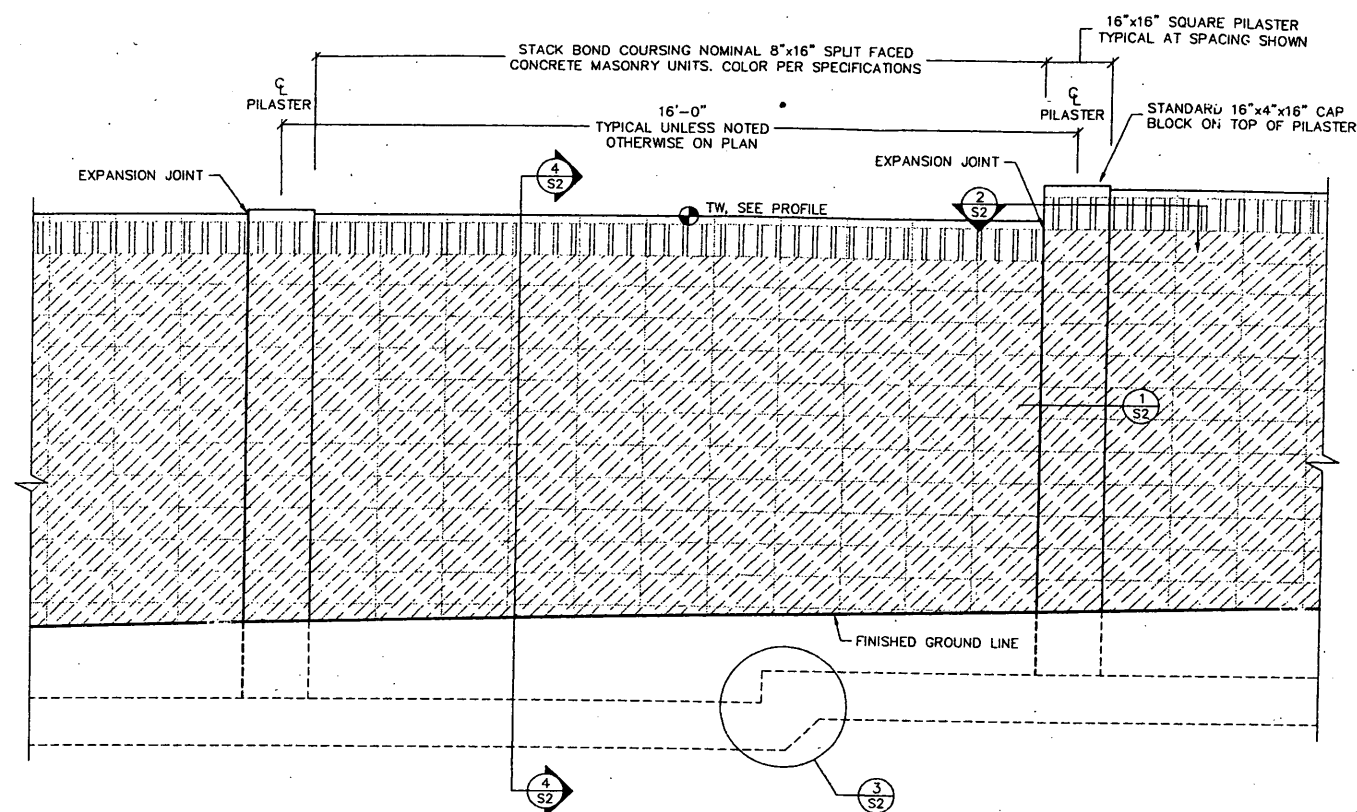
WALL DETAILS
for
MOUNTAINVIEW DRIVE IMPROVEMENTS PROJECT
FROM N. COLLEGE TO VILLA RD.
CITY OF NEWBERG, YAMHILL COUNTY, OREGON



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DATE: AUGUST 1, 2001	1.		
DRAWN: Charles Fisher	2.		
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APPROVED:	4.		
PROT DATE: 08/08/2001			
FILE: 01037_rev_001.dwg			

SHEET

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TYPICAL WALL ELEVATION

SCALE: 1/2"=1'-0"

CONCRETE MASONRY UNIT WALL CONSTRUCTION NOTES

1. CONFLICTS

THESE DRAWINGS ARE FOR THE STRUCTURAL DESIGN CONCEPT OF THE MASONRY SYSTEM. THEY ARE NOT INTENDED TO BE, NOR DO THEY TAKE THE PLACE OF, COMPREHENSIVE DETAILED SHOP DRAWINGS TO BE PREPARED BY THE CONTRACTOR. CONTRACTOR TO IDENTIFY AND REPORT ANY CONFLICT, INCONSISTENCY, INTERFERENCE, OMISSION OR ERROR TO THE ENGINEER PRIOR TO FABRICATION AND ERECTION. UNLESS OTHERWISE DIRECTED, WHEN CONFLICTS EXIST, THE CONTRACTOR SHALL ASSUME THE MORE STRINGENT INTERPRETATION SHALL APPLY.

2. REQUIRED TESTING

PRIOR TO CONSTRUCTION -- TESTING OF MASONRY UNITS AND GROUT, OR PRISM ARE REQUIRED FOR THE BUILDING COMPONENTS REQUIRING "SPECIAL INSPECTION" IN ACCORDANCE WITH THE SPECIFICATIONS. CONSTRUCTION MAY NOT BE ALLOWED TO COMMENCE UNTIL RESULTS ARE REVIEWED AND ACCEPTED.

DURING CONSTRUCTION -- TESTING OF MASONRY UNITS AND GROUT, OR PRISM ARE REQUIRED FOR THE BUILDING COMPONENTS REQUIRING "SPECIAL INSPECTION" IN ACCORDANCE WITH THE SPECIFICATIONS.

3. PRE-CONSTRUCTION REQUIREMENTS

CERTIFICATION AND MATERIAL TESTING RESULTS SHALL BE SUBMITTED TO THE ENGINEER PRIOR TO BEGINNING CONSTRUCTION. PRE-CONSTRUCTION REQUIREMENTS INCLUDE:

1. LETTER OF CERTIFICATION FROM THE MASONRY UNIT SUPPLIER STATING THE UNITS CONFORM TO THE SPECIFICATIONS.
2. LETTER OF CERTIFICATION FROM THE GROUT SUPPLIER STATING THE GROUT CONFORMS TO THE SPECIFICATIONS.
3. TESTS RESULTS OF UNIT STRENGTH OR FIVE PRISM TESTS FOR COMPONENTS OF BUILDING REQUIRING SPECIAL INSPECTION TESTS.

4. REQUIRED SPECIAL INSPECTION

SPECIAL INSPECTION IS REQUIRED AT ALL WALLS OR COMPONENTS OF WALLS UNLESS SPECIFICALLY NOTED ON THE PLANS AS NOT REQUIRING SPECIAL INSPECTION.

CONTRACTOR TO ARRANGE AND PAY FOR SPECIAL INSPECTION SERVICES FURNISHED BY A QUALIFIED INDEPENDENT INSPECTOR WHO'S DUTY IS TO FULFILL THE UNIFORM BUILDING CODE REQUIREMENTS FOR SPECIAL INSPECTION FOR STRUCTURAL MASONRY U.B.C. SECTIONS 1701 AND 2105. SPECIAL INSPECTOR SHALL BE PRESENT DURING PREPARATION AND TAKING OF ANY REQUIRED PRISMS OR TEST SPECIMENS, AT THE START OF LAYING UNITS, AFTER THE PLACEMENT OF REINFORCING STEEL, TO INSPECT GROUT SPACE PRIOR TO EACH GROUTING OPERATION, AND DURING ALL GROUTING OPERATIONS.

PERIODIC SPECIAL INSPECTION IS PERMISSIBLE WHEN ALLOWED BY THE ENGINEER AND BUILDING OFFICIAL. INSPECTOR SHALL OBSERVE PLACEMENT OF REINFORCEMENT, INSPECTION OF GROUT SPACE IMMEDIATELY PRIOR TO CLOSING OF CLEANOUTS, AND DURING ALL GROUTING OPERATIONS. ~~PRIOR WRITTEN APPROVAL FROM THE BUILDING OFFICIAL MAY BE REQUIRED.~~

5. CONCRETE MASONRY STRENGTH

MASONRY ASSEMBLAGES SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF $f_m=1500$ PSI. CONCRETE MASONRY WALLS SHALL BE REINFORCED AS SHOWN ON THE PLANS AND DETAILS.

6. MASONRY REINFORCING

REINFORCING SHALL CONFORM TO ASTM A 615 GRADE 60. REINFORCING SHALL BE SECURED AGAINST DISPLACEMENT PRIOR TO GROUTING BY WIRE POSITIONERS OR OTHER SUITABLE DEVICES AT INTERVALS NOT EXCEEDING 200 BAR DIAMETERS. PLACE REINFORCING STEEL WITHIN PLACEMENT TOLERANCE PRIOR TO GROUTING CELLS. SEE SPECIFICATIONS FOR TOLERANCE. DO NOT STRAIGHTEN OR REBEND BARS. PLACE VERTICAL REINFORCING BARS AT EACH SIDE OF DOORS AND WINDOWS, AT CORNERS AND TEE INTERSECTIONS, AND AS SHOWN ON PLANS.

SPLICE REINFORCING BARS AS SPECIFIED BELOW TO PROVIDE CONTINUOUS REINFORCEMENT.

MASONRY CELLS WITH ONE VERTICAL BAR -- 48 BAR DIAMETERS MINIMUM.
BOND BEAMS -- 48 BAR DIAMETERS MINIMUM.

TYPICAL REINFORCING UNLESS NOTED OTHERWISE ON PLANS.

BOND BEAMS: (2) #5 AT 48" O.C.
VERTICAL BARS: #5 AT 24" O.C. FROM 0-4'; #5 AT 48" O.C. ABOVE 4'.

GROUT PLACEMENT

ALL WALLS TO BE FULLY GROUTED. PRIOR TO GROUTING VERIFY THAT REINFORCEMENT HAS BEEN PLACED IN CELLS AS REQUIRED ON PLANS. REMOVE MORTAR DROPPINGS AND OTHER FOREIGN MATERIAL AND ANY MORTAR PROJECTING MORE THAN 1/2" INTO GROUT SPACE.

POUR GROUT IN MAXIMUM LIFTS OF 6 FEET. COMPLETE GROUTING OF ANY SECTION OF WALL IN ONE DAY WITH NO INTERRUPTIONS GREATER THAN 1 HOUR. BETWEEN GROUT POURS, STOP GROUT A MINIMUM OF 1-1/2" BELOW A MORTAR JOINT, EXCEPT AT TOP OF WALL. WHERE BOND BEAMS OCCUR, STOP GROUT POUR A MINIMUM OF 1/2" BELOW MORTAR JOINT.

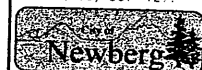
GROUT CONSOLIDATION

CONSOLIDATE BY MECHANICAL VIBRATION DURING PLACING BEFORE LOSS OF PLASTICITY. RECONSOLIDATE POURS EXCEEDING 12" BY MECHANICAL VIBRATION TO MINIMIZE VOIDS DUE TO WATER LOSS. POURS 12" OR LESS ARE TO BE PUDDLED OR MECHANICALLY VIBRATED.



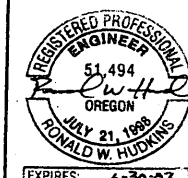
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TYPICAL WALL ELEVATION & NOTES

for
MOUNTAINVIEW DRIVE IMPROVEMENTS PROJECT
FROM N. COLLEGE TO VILLA RD.
CITY OF NEWBERG, YAMHILL COUNTY, OREGON



SCALE: AS SHOWN	DATE: AUGUST 1, 2001	DRAWN: Charles Fisher	DESIGNED: Ron Hudkins	APPROVED:
NO.	1.	2.	3.	4.
REVISION				
DATE				

SHEET

s3 OF 16

**End of
Contract Document**