



**Procurement Services Division**  
 Public Services Building  
 2051 Kaen Road  
 Oregon City, OR 97045  
 (503) 742-5444 (Office)

**REQUEST FOR QUOTES (RFQ) #2016-07**

**Detention Pond Maintenance**

Issue Date: August 17, 2016

Project Name:	Detention Pond Maintenance		
Quote Due Date/Time:	August 29, 1:00 PM		
Mandatory Walkthrough:	August 24, 10:00 AM		
Project Coordinator	Leah Johanson	Phone:	503-742-4620
		Email:	<a href="mailto:ljohanson@clackamas.us">ljohanson@clackamas.us</a>
Buyer:	Tom Averett	Phone:	503-742-5449
		Email:	<a href="mailto:toma@clackamas.us">toma@clackamas.us</a>

**SUBMIT QUOTES VIA EMAIL TO [PROCUREMENT@CLACKAMAS.US](mailto:PROCUREMENT@CLACKAMAS.US)  
 OR MAIL/HAND DELIVERY TO THE ABOVE ADDRESS**

**PLEASE NOTE: EMAIL SUBMISSIONS SHOULD HAVE  
 “2016-07 Detention Pond Maintenance” IN THE SUBJECT LINE**

**1. ANNOUNCEMENT AND SPECIAL INFORMATION**

Quoters are required to read and understand and comply with all information contained within this Request for Quotes (“RFQ”). All quotes are binding upon Quoter for sixty (60) days from the Quote Due Date/Time. Quotes received after the Quote Due Date/Time may not be considered. If authorized in the RFQ and resulting contract, travel and other expense reimbursement will only be reimbursed in accordance with the Clackamas County travel reimbursement policy at the time the expense is incurred.

It will be the responsibility of potential Quoters to refer daily to the Bids and Contract Information Page ([www.clackamas.us/bids/index.html](http://www.clackamas.us/bids/index.html)) to check for any available addenda, response to clarifying questions, cancellations or other information pertaining to this RFQ.

**2. SCOPE**

The Water Environment Services Department (“WES”), on behalf of Clackamas County Service District No. 1, is seeking bids to remove silt and vegetation from the Sunnyside Village Green and Sub-Regional B detention ponds to return the ponds to their original design. The work shall be completed as outlined in the Scope of Work attached as Exhibit A. As-Built of the Sunnyside Village Green is attached as Exhibit B and Sub-Regional B pond as Exhibit C.

Attendance at a Mandatory Pre-Quote Walkthrough is required to be eligible to quote on this opportunity. The Mandatory Pre-Quote Walkthrough will be conducted at 13944 SE Hines Drive, Clackamas, Oregon 97015 on August 24, 2016 at 10:00 AM. Attendance will be documented through a sign-in sheet. Quoters are responsible to fully examine the sites of the proposed work.

Work for this project must be completed by no later than **September 30, 2016**.

**Delivery – Choose one of the following:**

- Delivery required within \_\_\_\_\_ days of supplier’s receipt of order.
- Delivery required on or before \_\_\_\_\_.
- Delivery time is of the essence and may be a factor in making an award.

**3. Quote**

Quotes should be short and concise with the following information:

- A. Company experience in these types of projects;
- B. Proposed schedule to complete the project;
- C. Fee to complete:
  - 1. Sunnyside Village Green
  - 2. Sub-Regional Pond B
- D. Any additional information that Clackamas County should take into consideration for the project or qualifications.
- E. **Signed Clackamas County Certification Form**

**4. Evaluation**

Quotes will be evaluated based on subjective factors including, but not limited to: Company experience, Schedule to complete the project, and Fee.

**CLACKAMAS COUNTY CERTIFICATIONS**  
**RFQ #2016-07**

Each Quoter must read, complete and submit a copy of this Clackamas County Certification with their Quote. Failure to do so may result in rejection of Quote. By signature on this Certification the undersigned certifies that they are authorized to act on behalf of the Quoter and that under penalty of perjury the undersigned will comply with the following:

**SECTION I. OREGON TAX LAWS**

As required in ORS 305.385(6), the undersigned hereby certifies that to the best of the undersigned's knowledge, the Quoter is not in violation of any Oregon Tax Laws. For purposes of this certification, "Oregon Tax Laws" means a state tax imposed by ORS 320.005 to 320.150 and 403.200 to 403.250 and ORS chapters 118, 314, 316, 317, 318, 321, 323, and elderly rental assistance program under ORS 310.630 to 310.706, or and local taxes administered by the Department of Revenue under ORS 305.620. If a contract is executed, this information will be reported to the Internal Revenue Service. Information not matching IRS records could subject Quoter to 28% backup withholding.

**SECTION II. NON-DISCRIMINATION**

The undersigned hereby certifies that the Quoter has not and will not discriminate in its employment practices with regard to race, creed, age, religious affiliation, sex, disability, sexual orientation, gender identity, national origin, or any other protected class. Nor has Quoter or will Quoter discriminate against a subcontractor in the awarding of a subcontract because the subcontractor is a disadvantaged business enterprise, a minority-owned business, a woman-owned business, a business that a service-disabled veteran owns or an emergency small business that is certified under ORS 200.055.

**SECTION III. CONFLICT OF INTEREST**

The undersigned hereby certifies that no Commissioner, officer, agency or employee of Clackamas County is personally interested directly or indirectly in any resulting contract from this RFQ, or the compensation to be paid under such contract, and that no representation, statements (oral or in writing), of the County, its Commissioners, officers, agents, or employees had induced Quoter to submit this Quote. In addition, the undersigned hereby certifies that this proposal is made without connection with any person, firm, or corporation submitting a quote for the same material, and is in all respects fair and without collusion or fraud.

**SECTION IV. COMPLIANCE WITH SOLICITATION**

The undersigned further agrees and certifies that they:

1. Have read, understand and agree to be bound by and comply with all requirements, instructions, specifications, terms and conditions of the RFQ (including any attachments); and
2. Are an authorized representative of the Quoter, that the information provided is true and accurate, and that providing incorrect or incomplete information may be cause for rejection of the Quote or contract termination; and
3. Will furnish the designated item(s) and/or service(s) in accordance with the RFQ and Quote; and.
4. Will use recyclable products to the maximum extend economically feasible in the performance of the contract work set forth in this RFQ.

Firm Name: \_\_\_\_\_ Date: \_\_\_\_\_

Signature: \_\_\_\_\_ Title: \_\_\_\_\_

Name: \_\_\_\_\_ Telephone: \_\_\_\_\_

Email: \_\_\_\_\_ OR CCB # (if applicable): \_\_\_\_\_

Business Designation (check one):

Corporation  Partnership  Sole Proprietorship  Non-Profit  Limited Liability Company

Resident Quoter, as defined in ORS 279A.120

Non-Resident Quote. Resident State: \_\_\_\_\_

Oregon Business Registry Number: \_\_\_\_\_

**CLACKAMAS COUNTY  
INSTRUCTIONS TO QUOTERS**

Quotes are subject to the applicable provisions and requirements of the Clackamas County Local Contract Review Board Rule C-047-0270 (Intermediate Procurements) and Oregon Revised Statutes.

**QUOTE PREPARATION**

1. **QUOTE FORMAT:** Quotes must be submitted as indicated in the RFQ. Quotes may be submitted in writing to Clackamas County via e-mail, mail or in person.
2. **CONFORMANCE TO RFQ REQUIREMENTS:** Quotes must conform to the requirements of the RFQ. Unless otherwise specified, all items quoted are to be new, unused and not remanufactured in any way. Any requested attachments must be submitted with the quote and in the required format. Quote prices must be for the unit indicated on the quote. Failure to comply with all requirements may result in quote rejection.
3. **ADDENDA:** Only documents issued as addenda by Clackamas County serve to change the RFQ in any way. No other directions received by the Quoter, written or verbal, serve to change the RFQ document. NOTE: IF YOU HAVE RECEIVED A COPY OF THE RFQ, YOU SHOULD CONSULT THE CLACKAMAS COUNTY BIDS AND CONTRACT INFORMATION WEBSITE ([www.clackamas.us/bids/index.html](http://www.clackamas.us/bids/index.html)) TO ENSURE THAT YOU HAVE NOT MISSED ANY ADDENDA OR ANNOUNCEMENTS. QUOTERS ARE NOT REQUIRED TO RETURN ADDENDUMS WITH THEIR QUOTE. HOWEVER, QUOTERS ARE RESPONSIBLE TO MAKE THEMSELVES AWARE OF, OBTAIN AND INCORPORATE ANY CHANGES MADE IN ANY ADDENDA ISSUED, AND TO INCORPORATE ANY CHANGES MADE BY ADDENDUM INTO THEIR FINAL QUOTE. FAILURE TO DO SO MAY, IN EFFECT, MAKE THE QUOTER'S QUOTE NON-RESPONSIVE, WHICH MAY CAUSE THE QUOTE TO BE REJECTED.
4. **USE OF BRAND OR TRADE NAMES:** Any brand or trade names used by Clackamas County in the specifications are for the purpose of describing and establishing the standard of quality, performance and characteristics desired and are not intended to limit or restrict competition. Quoters may submit quotes for substantially equivalent products to those designated unless the RFQ provides that a specific brand is necessary because of compatibility requirements, etc. All such brand substitutions shall be subject to approval by Clackamas County.
5. **PRODUCT IDENTIFICATION:** Quoters must clearly identify all products quoted. Brand name and model or number must be shown. Clackamas County reserves the right to reject any quote when the product information submitted with the quote is incomplete.
6. **FOB DESTINATION:** Unless specifically allowed in the RFQ, ***QUOTE PRICE MUST BE F.O.B. DESTINATION with all transportation and handling charges included in the Quote.***
7. **DELIVERY:** Delivery time must be shown in number of calendar days after receipt of purchase order.
8. **EXCEPTIONS:** Any deviation from quote specifications, or the Clackamas County Goods and Services Contract may result in quote rejection.
9. **SIGNATURE ON QUOTE:** Quotes must be signed by an authorized representative of the Quoter. Signature on a quote certifies that the quote is made without connection with any person, firm or corporation making a quote for the same goods and/or services and is in all respects fair and without collusion or fraud. Signature on a quote also certifies that the Quoter has read and fully understands all quote specifications, and the Clackamas County Goods and Services Contract (including insurance requirements). No consideration will be given to any claim resulting from quoting without comprehending all requirements of the RFQ.
10. **QUOTE MODIFICATION:** Quotes, once submitted, may be modified in writing before the time and date set for quote closing. Any modifications should be signed by an authorized representative, and state that the new document supersedes or modifies the prior quote. Quoters may not modify quotes after quote closing time.
11. **QUOTE WITHDRAWALS:** Quotes may be withdrawn by request in writing signed by an authorized representative and received by Clackamas County prior to the Quote Due Date/Time. Quotes may also be withdrawn in person before the Quote Due Date/Time upon presentation of appropriate identification.

12. **QUOTE SUBMISSION:** Quotes may be submitted by returning to Clackamas County Procurement Services Division in the location designated in the introduction of the RFQ via email, mail or in person; however, no oral or telephone quotes will be accepted. Envelopes, or e-mails containing Quotes should contain the RFQ Number and RFQ Title.

#### **QUOTE EVALUATION AND AWARD**

1. **PRIOR ACCEPTANCE OF DEFECTIVE PROPOSALS:** Due to limited resources, Clackamas County generally will not completely review or analyze quotes which fail to comply with the requirements of the RFQ or which clearly are not the best quotes, nor will Clackamas County generally investigate the references or qualifications of those who submit such quotes. Therefore, neither the return of a quote, nor acknowledgment that the selection is complete shall operate as a representation by Clackamas County that an unsuccessful quote was complete, sufficient, or lawful in any respect.
2. **DELIVERY:** Significant delays in delivery may be considered in determining award if early delivery is required.
3. **CASH DISCOUNTS:** Cash discounts will not be considered for award purposes unless stated in the RFQ.
4. **PAYMENT:** Quotes which require payment in less than 30 days after receipt of invoice or delivery of goods, whichever is later, may be rejected.
5. **INVESTIGATION OF REFERENCES:** Clackamas County reserves the right to investigate references and or the past performance of any Quoter with respect to its successful performance of similar services, compliance with specifications and contractual obligations, and its lawful payment of suppliers, sub-contractors, and workers. Clackamas County may postpone the award or execution of the contract after the announcement of the apparent successful Quoter in order to complete its investigation. Clackamas County reserves the right to reject any quote or to reject all quotes at any time prior to Clackamas County's execution of a contract if it is determined to be in the best interest of Clackamas County to do so.
6. **METHOD OF AWARD:** Clackamas County reserves the right to make the award by item, groups of items or entire quote, whichever is in the best interest of Clackamas County.
7. **QUOTE REJECTION:** Clackamas County reserves the right to reject any and all quotes.
8. **QUOTE RESULTS:** Quoters who submit a quote will be notified of the RFQ results. Awarded quote files are public records and available for review by submitting a public records request or by appointment.

## **Exhibit A**

### **Scope of Work**

#### **Introduction**

The Water Environment Services Department (WES), on behalf of Clackamas County Service District No. 1, is seeking bids to remove silt and vegetation from the Sunnyside Village Green and Sub-Regional B detention ponds to return the ponds to their original design.

#### **Background**

##### *Sunnyside Village Green:*

The Sunnyside Village Green pond was designed and built in 2005. The pond is located near SE Hines Drive and SE 147<sup>th</sup> in the City of Happy Valley, OR. The as-built drawings for the detention pond are included as Exhibit B. The detention pond receives stormwater from two storm lines, identified on the plans as “storm line A” and “storm line E”, which discharge into rip rap basins. The pond outlet is identified on the plans as “storm line D”, which discharges into a flow control structure and drains into Sieben Creek.

##### *Sub-Regional Pond B:*

The Sub-Regional Detention Pond B was designed and built in 2003. The pond is located near SE 145<sup>th</sup> and SE Callahan Rd. in the City of Happy Valley, OR. The as-built plans for the sub-regional detention pond are included as Exhibit C. The sub-regional detention pond receives stormwater from one storm line, identified on the plan as “storm line B” which discharge into a silt basin. The pond outlet identified on the plans as “storm line F” discharges into a flow control structure and drains into a wetland.

Since the original installation, both ponds have become overgrown with vegetation. The pond bottoms are filled with vegetation and silt making them ineffective for stormwater treatment. The inlet basins are also covered with vegetation and filled with silt. The scope of work below lists specific items that need to be completed for each pond.

#### **Scope of Work**

##### *Sunnyside Village Green:*

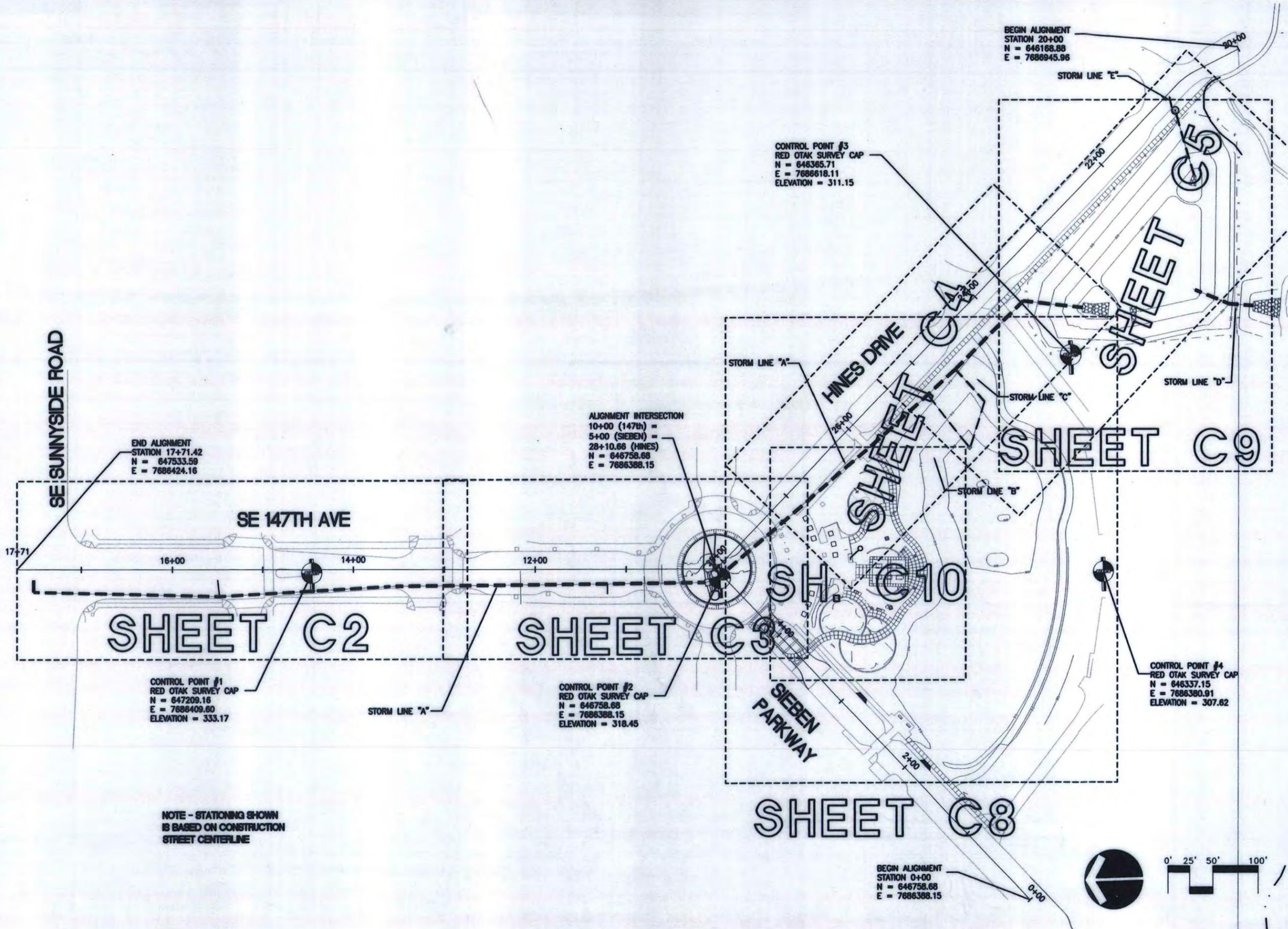
1. Vegetation Removal – Remove all vegetation from pond bottom, including approximately:
  - a. 120 trees greater than 6” in diameter
  - b. 160 trees/shrubs less than 6” in diameter
2. Sediment Removal – Remove and dispose of sediment from bottom of pond to restore the pond bottom to As Built elevation of 293.0 ft. There is approximately 1 foot of sediment on the bottom of the pond that needs to be removed—equates to approximately 600 yd<sup>3</sup> of material.
3. Inlet Rip Rap Basin Restoration – Remove sediment and vegetation from both inlet basins and restore rip rap basin to original plan.
4. Pond Revegetation – Hydroseed the pond with appropriate seed mix—wetland mix for the bottom of the pond and upland mix for the sides and upper portion of the pond.

##### *Sub-Regional Pond B:*

1. Vegetation Removal – Remove all vegetation from bottom of pond and the silt basin, including:
  - a. Cattails that are approximately 8-9ft tall covering pond bottom
  - b. 4 trees/bushes (less than 6’ tall)
2. Sediment Removal – Remove and dispose of sediment from bottom of pond to restore the pond bottom to As Built elevation of 483.0 ft. There is approximately 1 foot of sediment on the bottom of the pond that needs to be removed—equates to approximately 460 yd<sup>3</sup> of material.
3. Silt Basin Restoration – remove sediment and vegetation within silt basin and restore the silt basin to original plan.
4. Pond Revegetation – Hydroseed the pond with appropriate seed mix—wetland mix for the bottom of the pond and upland mix for the sides and upper portion of the pond.

**Exhibit B**  
**Sunnyside Village Green As-Builts**





BEGIN ALIGNMENT  
STATION 20+00  
N = 646168.88  
E = 7686945.96

CONTROL POINT #3  
RED OTAK SURVEY CAP  
N = 646365.71  
E = 7686618.11  
ELEVATION = 311.15

ALIGNMENT INTERSECTION  
10+00 (147th) =  
5+00 (SIEBEN) =  
28+10.66 (HINES)  
N = 646758.68  
E = 7686388.15

END ALIGNMENT  
STATION 17+71.42  
N = 647533.59  
E = 7686424.16

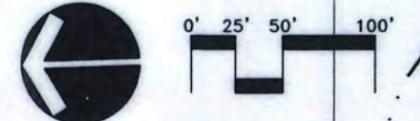
CONTROL POINT #1  
RED OTAK SURVEY CAP  
N = 647209.16  
E = 7686409.60  
ELEVATION = 333.17

CONTROL POINT #2  
RED OTAK SURVEY CAP  
N = 646758.68  
E = 7686388.15  
ELEVATION = 318.45

CONTROL POINT #4  
RED OTAK SURVEY CAP  
N = 646337.15  
E = 7686380.91  
ELEVATION = 307.62

NOTE - STATIONING SHOWN  
IS BASED ON CONSTRUCTION  
STREET CENTERLINE

BEGIN ALIGNMENT  
STATION 0+00  
N = 646758.68  
E = 7686388.15



**SUNNYSIDE VILLAGE GREEN**  
PROJECT SITE PLAN AND SURVEY CONTROL  
WATER ENVIRONMENT SERVICES  
CLACKAMAS COUNTY, OR



105 W Evergreen Blvd. #300  
Vancouver, WA 98660-3123  
Phone: (360) 737-9613  
FAX: (360) 737-9651  
Internet: WWW.otak.COM

11236 CE04  
Project No. Drawing No.

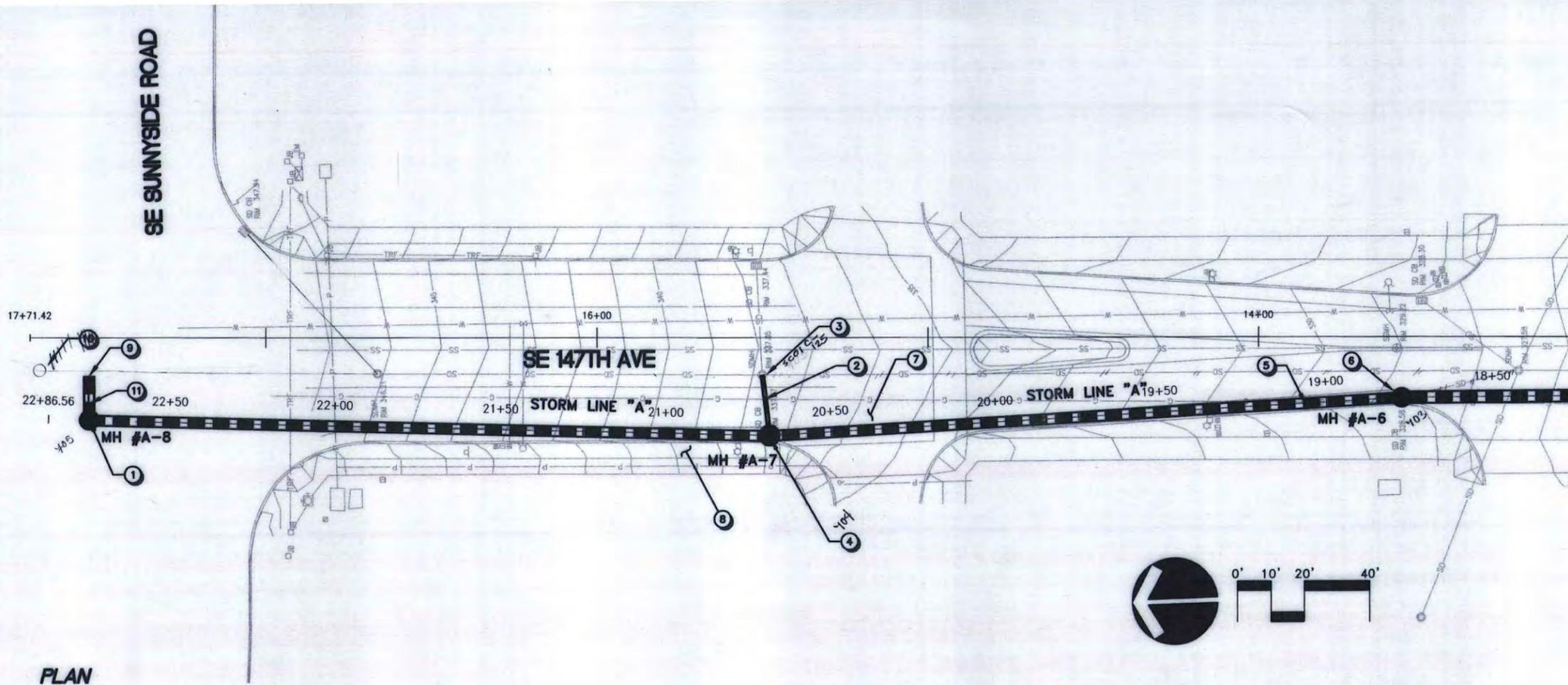
**C1**

Sheet No.  
Copyright 2002 ©

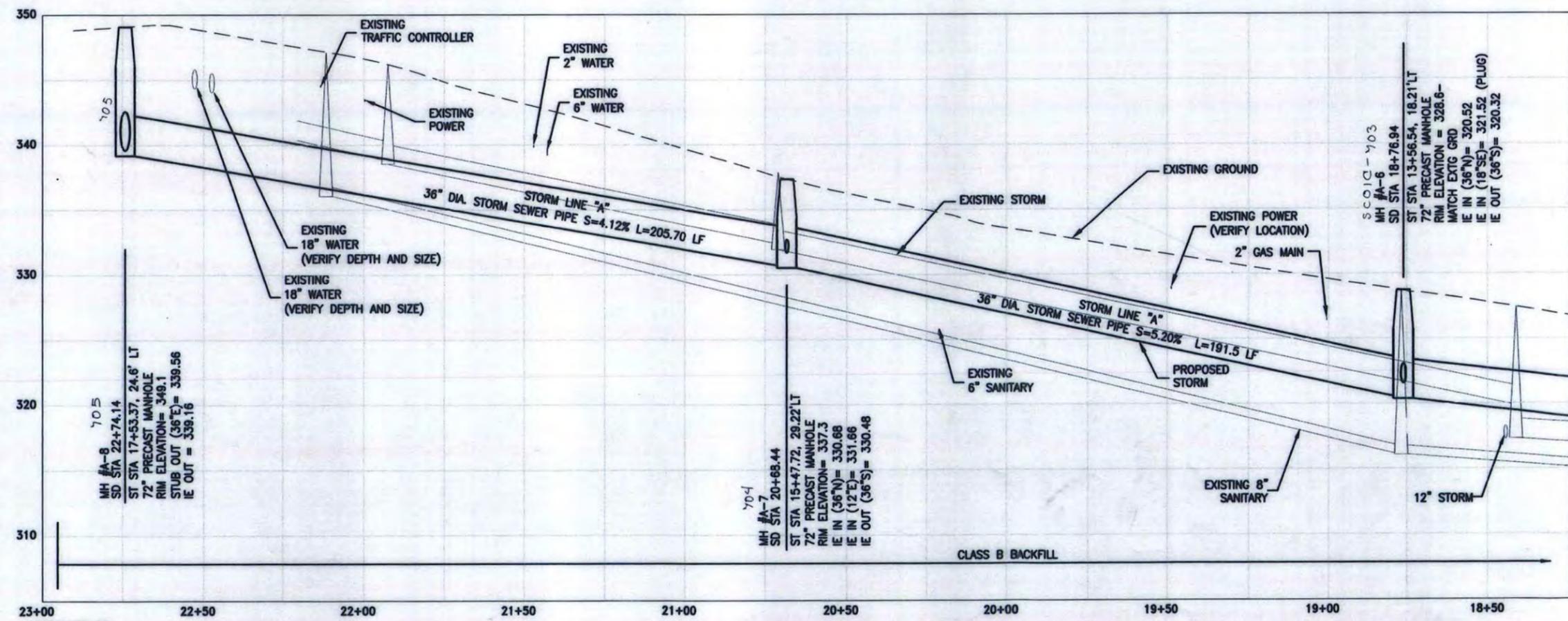
NO.	DATE	BY	REVISION COMMENTS

Design Drawn Checked Date Initial Issue Date  
July 24, 2003

EXPIRATION DATE: 08/20/2006



PLAN



PROFILE

**CONSTRUCTION NOTES**

- 1 INSTALL 72" DIAMETER CONCRETE MANHOLE WITH INLET. COORDINATE CONNECTION OF STORM SYSTEM TO NEW STORM SYSTEM ALONG SE SUNNYSIDE ROAD.
- 2 INSTALL 18 LF 12" STORM SEWER PIPE, S=5.9%
- 3 PLUG EXISTING STORM SEWER PIPE SOUTH. CONNECT 12" STORM SEWER PIPE AT EXISTING OUTLET ELEVATION.
- 4 REMOVE EXISTING CATCH BASIN. INSTALL 72" DIAMETER CONCRETE MANHOLE WITH INLET. RECONSTRUCT EXISTING CURB AS REQUIRED.
- 5 RELOCATE EXISTING GAS LINE AS REQUIRED (BY OTHERS). COORDINATE WORK WITH UTILITY CREWS.
- 6 REMOVE EXISTING CATCH BASIN. INSTALL 72" DIAMETER CONCRETE MANHOLE WITH INLET. RECONSTRUCT EXISTING CURB AS REQUIRED.
- 7 SAWCUT EXISTING FINISHED SURFACES AS REQUIRED.
- 8 WHERE EXISTING SIDEWALK IS DAMAGED BY CONSTRUCTION, REMOVE EXISTING SIDEWALK TO NEAREST EXISTING TOOLED JOINT. REPLACE SIDEWALK PER CLACKAMAS COUNTY STD. DWG. S900.
- 9 CONNECT 36" DIAMETER STORM SEWER PIPE TO EXISTING 36" STORM SEWER PIPE. CUT AND PLUG EXISTING 15" STORM SEWER PIPE.
- 10 ABANDON EXISTING CATCHBASIN. PLUG EXISTING 15" STORM SEWER LINE AT CATCH BASIN.
- 11 INSTALL 13.2 LF 36" DIAMETER STORM SEWER PIPE AT 0.0212 FT/FT SLOPE. ADJUST UPSTREAM INVERT AND PIPE LENGTH FOR POSITIVE CONNECTION TO EXISTING 36" DIAMETER STORM SEWER PIPE.

MATCH LINE - SHEET C-3

**"AS-BUILT"**  
DATE 1-25 BY RLW/jh

These As-built Plans were compiled from survey data, data collected from others, and periodic observation during construction. It is suggested that these plans be used in conjunction with field verification of location and elevations of improvements in question. These plans are an accurate record of public improvements to the best of my information, knowledge and belief.

*Bob Young*  
1-3-05

NO.	DATE	BY	REVISION COMMENTS

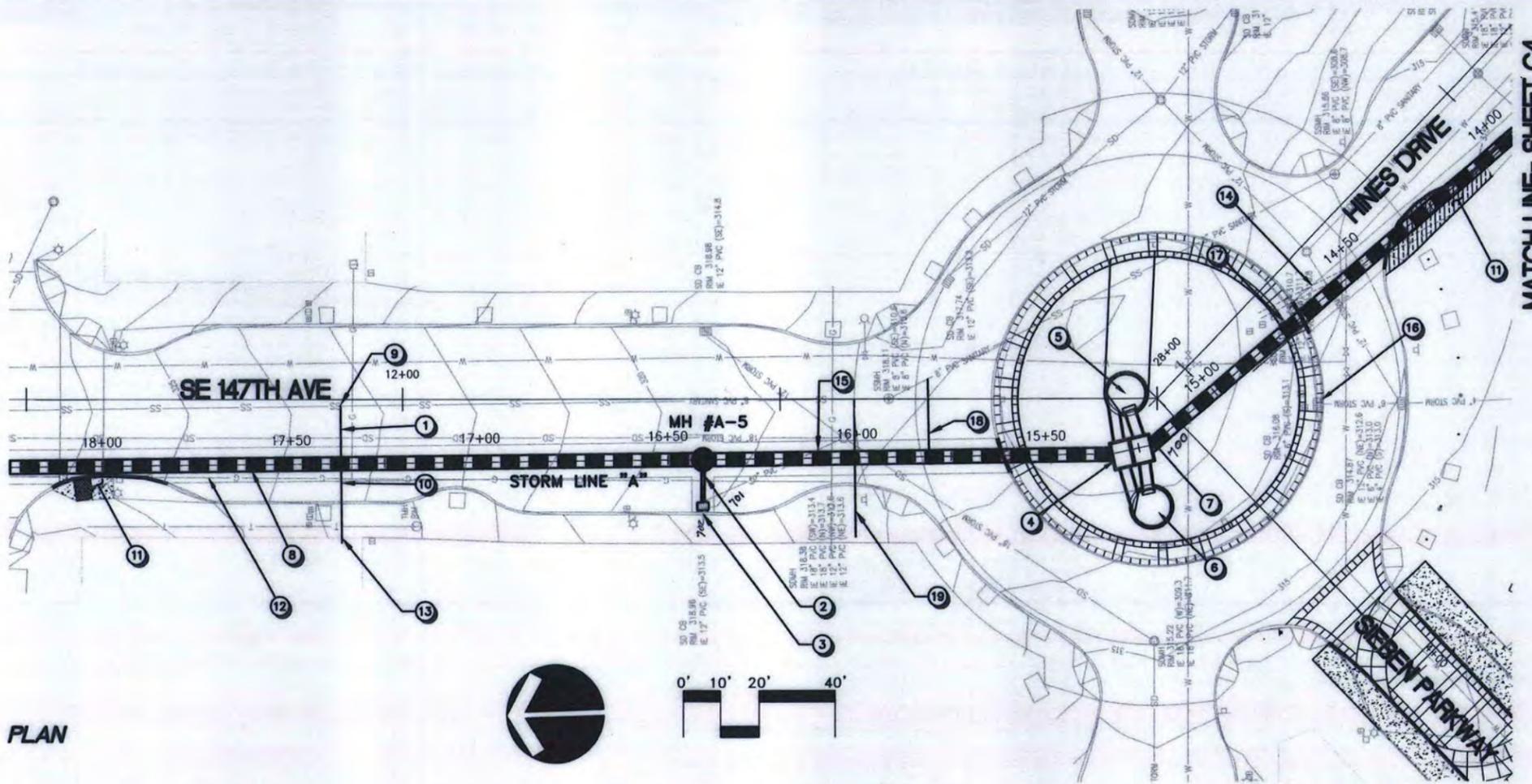
**SUNNYSIDE VILLAGE GREEN**  
PLAN AND PROFILE (LINE A - STATION 22+75 TO 18+25)  
WATER ENVIRONMENT SERVICES  
CLACKAMAS COUNTY, OREGON

**otak**  
Incorporated

105 W Evergreen Blvd. #300  
Vancouver, WA 98660-3123  
Phone: (360) 737-9613  
FAX: (360) 737-9651  
Internet: WWW.OTAK.COM

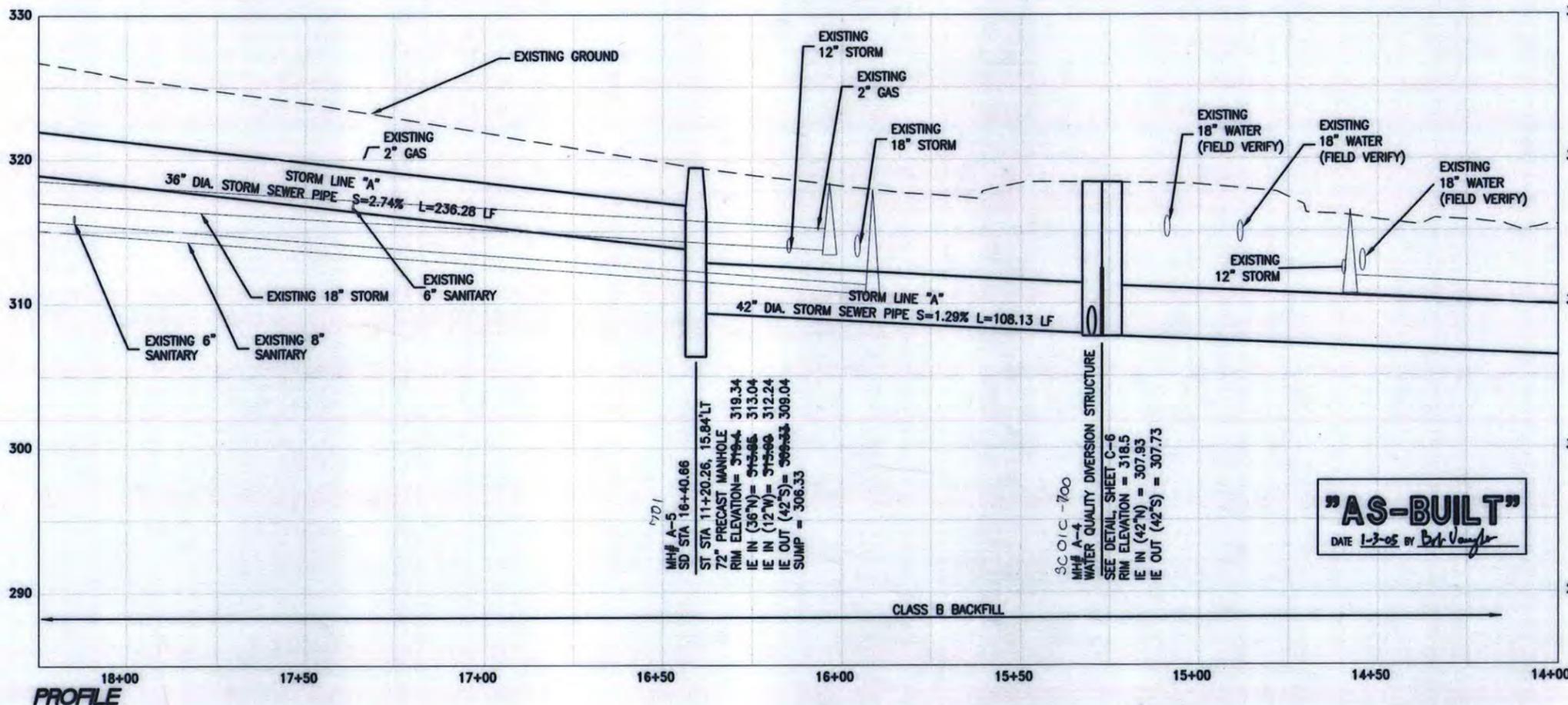
11236 CE04  
Project No. Drawing No.  
**C2**  
Sheet No.  
Copyright 2002 ©

MATCH LINE-SHEET C2



PLAN

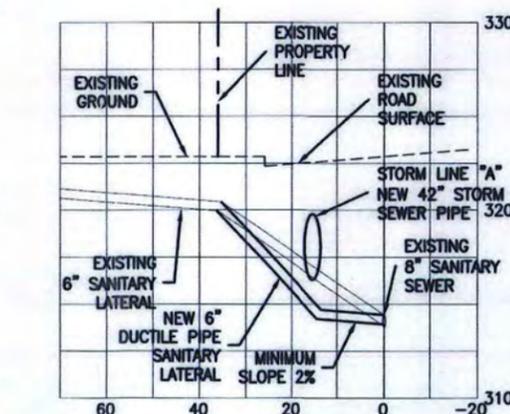
MATCH LINE-SHEET C4



PROFILE

CONSTRUCTION NOTES

- 1 REMOVE EXISTING 6-INCH SANITARY LATERAL TO AVOID PROPOSED STORM SEWER PIPE. RECONSTRUCT WITH 6" DUCTILE IRON PIPE AT LOWER DEPTH AS SHOWN IN SANITARY CONNECTION PROFILE BELOW.
- 2 11 LF 12-INCH STORM SEWER PIPE, S= 4.55% 72" DIAMETER CONCRETE MANHOLE.
- 3 DISCONNECT EXISTING STORM SEWER PIPE FROM EXISTING CATCH BASIN. INSTALL PLUG AS REQUIRED TO PREVENT WATER FROM ENTERING DISCONNECTED PIPE. RECONNECT CATCH BASIN TO NEW 12" STORM SEWER PIPE.
- 4 INLET TO WATER QUALITY DIVERSION STRUCTURE MH/A-4. SD STA 15+32.53 ST STA 10+12.14, 14.50'LT SEE DETAIL SHEET C7 FOR DETAILS OF WATER QUALITY FACILITY.
- 5 WATER QUALITY FACILITY "A" ST STA 10+08.19, 1.28'RT RIM=318.6 318.80
- 6 WATER QUALITY FACILITY "A" ST STA 10+01.38, 28.43'LT RIM=318.6 318.85
- 7 OUTLET FROM WATER QUALITY DIVERSION STRUCTURE. SD STA 15+21.52 ST STA 10+01.38, 12.21'LT
- 8 SAWCUT EXISTING FINISHED SURFACE AS REQUIRED. COORDINATE WORK WITH UTILITY CREWS.
- 9 RECONNECT NEW 6" SANITARY LATERAL TO EXISTING 6" SANITARY SEWER.
- 10 VERTICALLY DEFLECT NEW 6" SANITARY LATERAL UNDER NEW 42" STORM SEWER PIPE.
- 11 WHERE EXISTING SIDEWALK IS DAMAGED BY CONSTRUCTION, REMOVE EXISTING SIDEWALK TO NEAREST EXISTING TOOLED JOINT. REPLACE SIDEWALK PER CLACKAMAS COUNTY STD. DWG. S900 AND AS REQUIRED IN SPECIAL PROVISIONS.
- 12 RELOCATE EXISTING 2" GAS MAIN AS REQUIRED.
- 13 RECONNECT TO EXISTING SANITARY SEWER LATERAL AT PROPERTY LINE.
- 14 CONTRACTOR SHALL NOTE SCHEDULE 40 PVC SLEEVE FOR IRRIGATION PIPE IS SHOWN HERE AND ON SHEETS C8 AND L3.1. CONTRACTOR SHALL SUBMIT DETAIL FOR INSTALLATION OF THIS SLEEVE FOR REVIEW AND APPROVAL.
- 15 REMOVE EXISTING STORM SEWER PIPE AS REQUIRED AND PLUG PIPE END.
- 16 MAINTAIN AND PROTECT EXISTING CATCH BASIN.
- 17 DISCONNECT EXISTING WATER METER PER SUNRISE WATER AUTHORITY STANDARDS.
- 18 EXISTING SANITARY SEWER CONFLICT FOUND WITH PROPOSED STORM SEWER. SANITARY LINE ABANDONED AND PLUGGED.
- 19 NEW 6" DUCTILE IRON PIPE SANITARY LATERAL EXTENDED TO PROPERTY LINE.



SANITARY CONNECTION PROFILE

NOT TO SCALE

These As-built Plans were compiled from survey data, data collected from others, and periodic observation during construction. It is suggested that these plans be used in conjunction with field verification of location and elevations of improvements in question. These plans are an accurate record of public improvements to the best of my information, knowledge and belief.

**"AS-BUILT"**  
DATE 1-3-05 BY *Bob Vanja*



SUNNYSIDE VILLAGE GREEN

PLAN AND PROFILE (LINE A- STATION 18+25 TO 14+00)  
WATER ENVIRONMENT SERVICES  
CLACKAMAS COUNTY, OREGON



105 W Evergreen Blvd. #300  
Vancouver, WA 98660-3123  
Phone: (360) 737-9613  
FAX: (360) 737-9651  
Internet: WWW.OTAK.COM

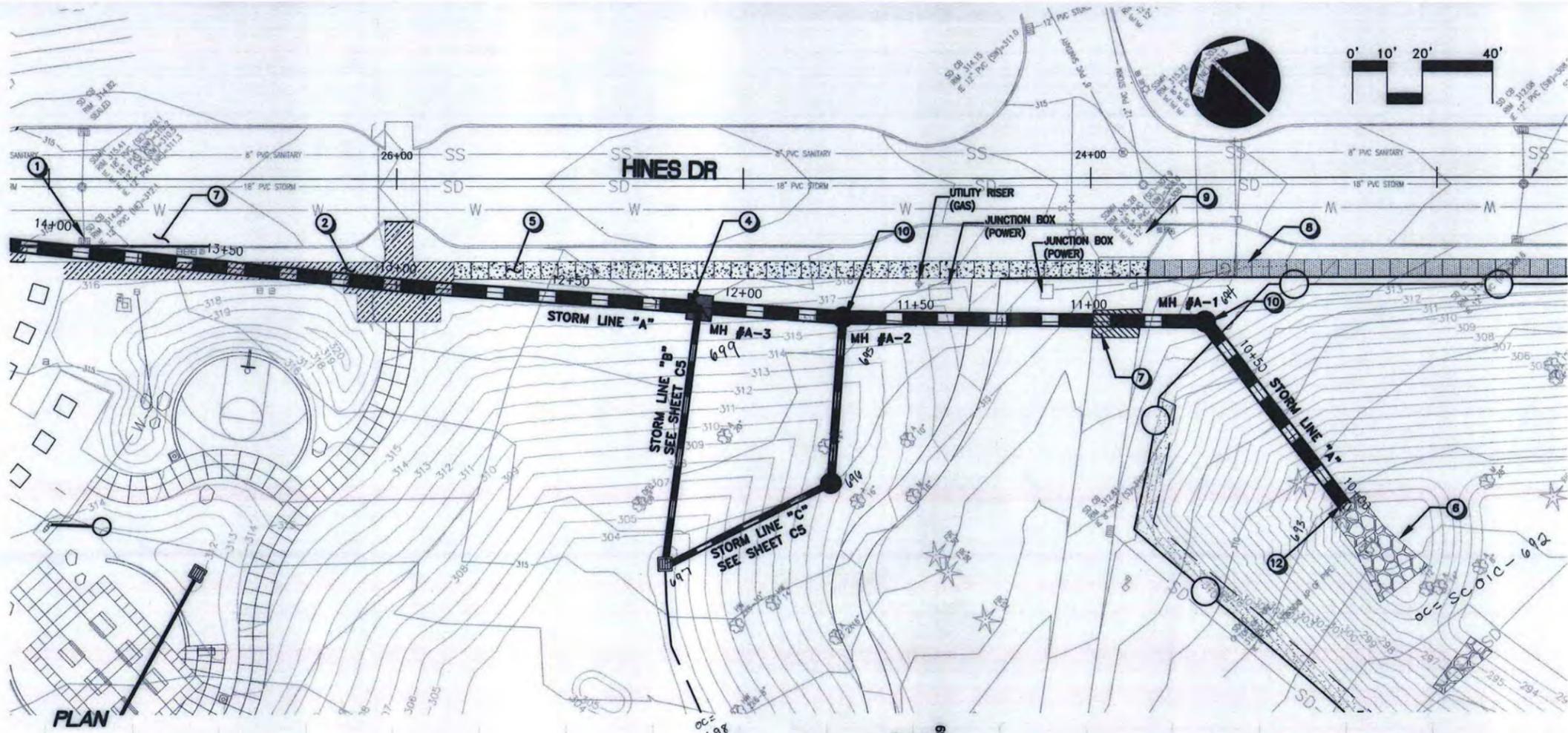
11236 CEO4  
Project No. Drawing No.

C3

Sheet No. Copyright 2002 ©

NO.	DATE	BY	REVISION COMMENTS

MATCH LINE - SHEET C-3

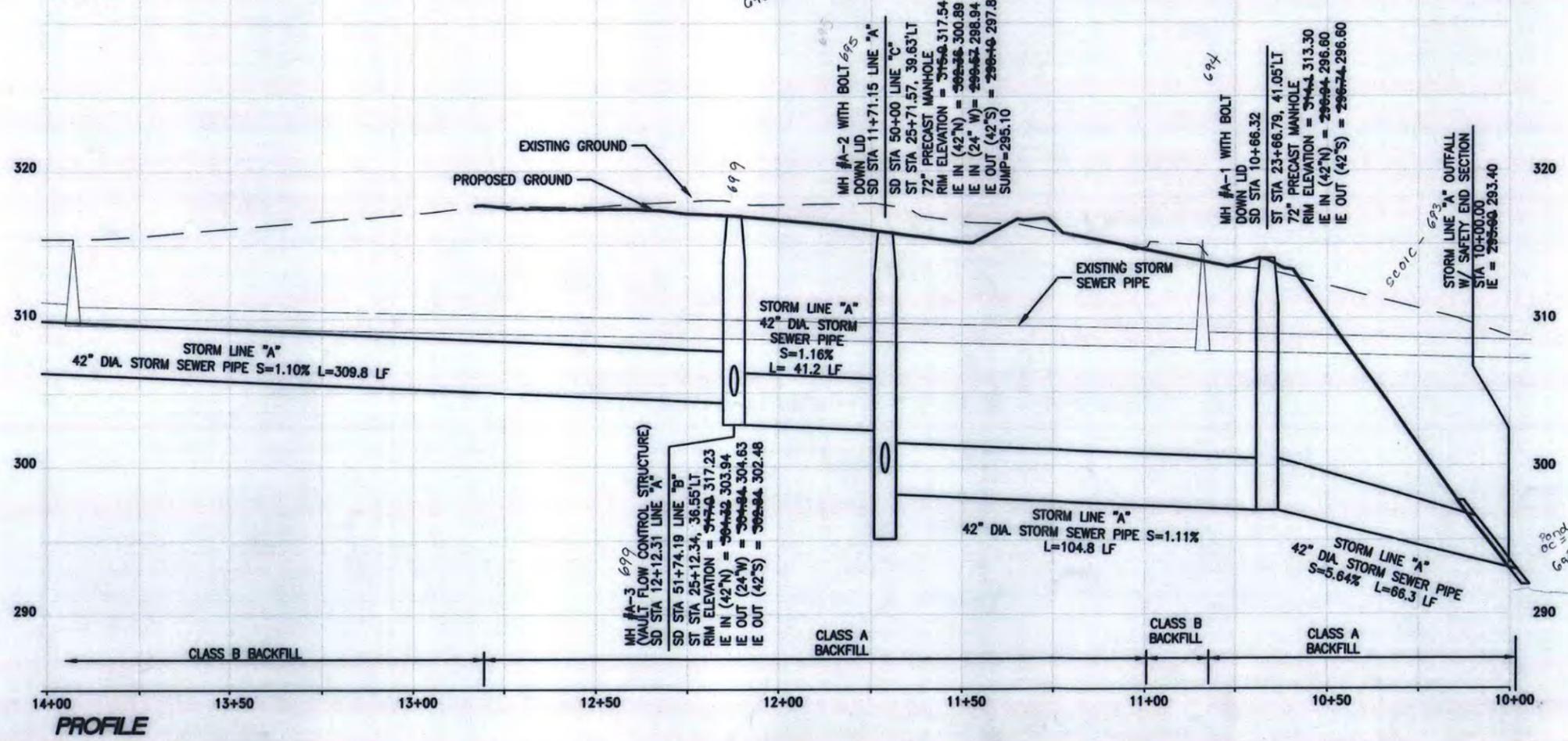


**CONSTRUCTION NOTES**

- 1 RECONSTRUCT EXIST. CATCH BASIN AFTER INSTALLATION OF STORM SEWER PIPE "A"
- 2 WHERE EXISTING SIDEWALK IS DAMAGED BY CONSTRUCTION, REMOVE EXISTING SIDEWALK TO NEAREST EXISTING TOOLED JOINT. REPLACE SIDEWALK PER CLACKAMAS COUNTY STD DWG. S900.
- 4 INSTALL VAULT FLOW CONTROL STRUCTURE MH#A-3. SEE DETAIL SHEET C6.
- 5 NEW STANDARD SIDEWALK. SEE SHEET C16.
- 6 INSTALL RIPRAP BASIN FOR STORM LINE "A". SEE DETAIL SHEET C14.
- 7 SAWCUT EXISTING FINISHED SURFACE AS REQUIRED AND REPAIR TO ORIGINAL CONDITION.
- 8 INSTALL PERVIOUS PORTLAND CEMENT CONCRETE SIDEWALK. SEE SHEET C16.
- 9 PROTECT EXISTING DRIVEWAY DROP.
- 10 INSTALL 72" CONCRETE MANHOLE.



**SUNNYSIDE VILLAGE GREEN**  
 PLAN AND PROFILE (STATION 14+00 TO 10+00)  
 WATER ENVIRONMENT SERVICES  
 CLACKAMAS COUNTY, OREGON



These As-built Plans were compiled from survey data, data collected from others, and periodic observation during construction. It is suggested that these plans be used in conjunction with field verification of location and elevations of improvements in question. These plans are an accurate record of public improvements to the best of my information, knowledge and belief.

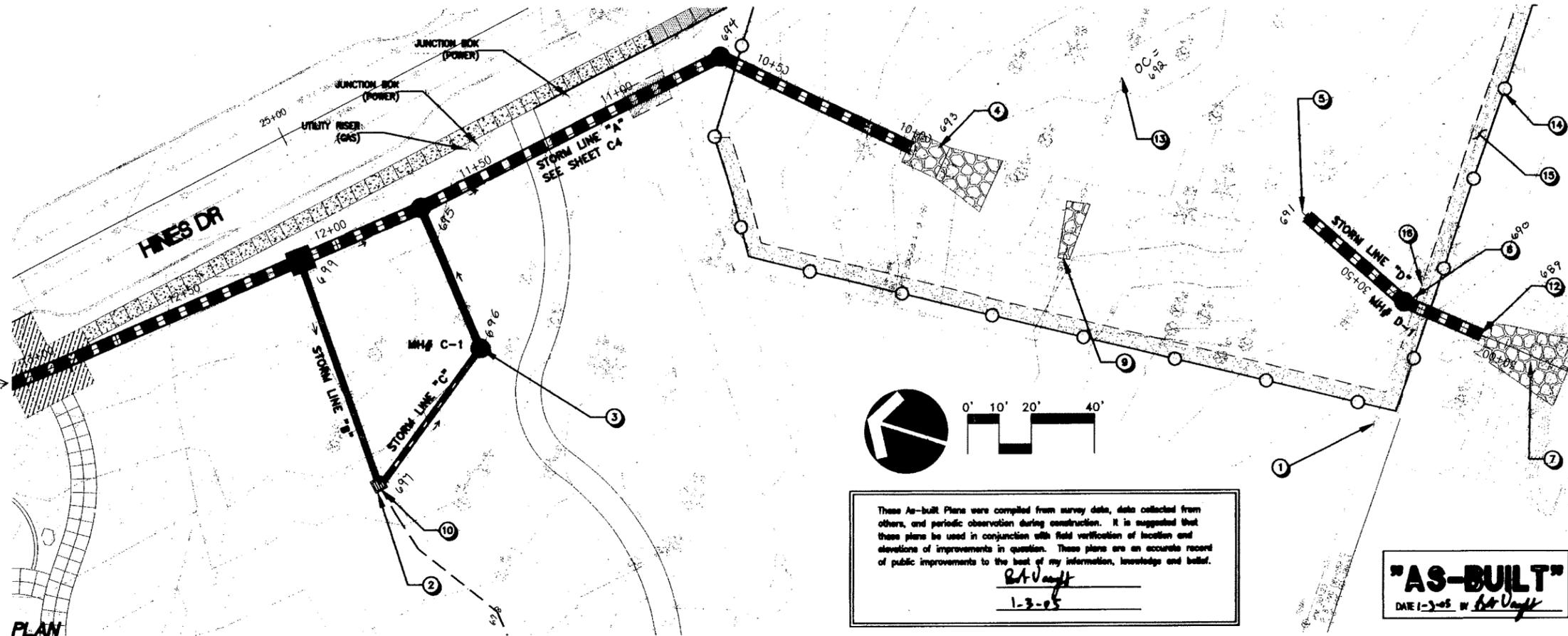
*Bob Vang*  
 1-3-05

**"AS-BUILT"**  
 DATE 1-3-05 BY *Bob Vang*

**otak**  
 Incorporated  
 105 W Evergreen Blvd. #300  
 Vancouver, WA 98660-3123  
 Phone: (360) 737-9613  
 FAX: (360) 737-9651  
 Internet: WWW.OTAK.COM  
 11236 CEO4  
 Project No. Drawing No.  
**C4**  
 Sheet No.  
 Copyright 2002 © E

V: JOHNMA 10/15/04 3:48pm --> R: JUNEVA/SMBUL/1/22/2005/05/01/06

XREF LIST  
 Ltscale: 1  
 Resolved  
 0TK22X34  
 S236X900  
 S236X1111  
 S236X1114  
 S236X1116  
 L236X2350  
 C236X630  
 C236X430  
 C236X500  
 B080R



These As-built Plans were compiled from survey data, data collected from others, and periodic observation during construction. It is suggested that these plans be used in conjunction with field verification of location and elevations of improvements in question. These plans are an accurate record of public improvements to the best of my information, knowledge and belief.

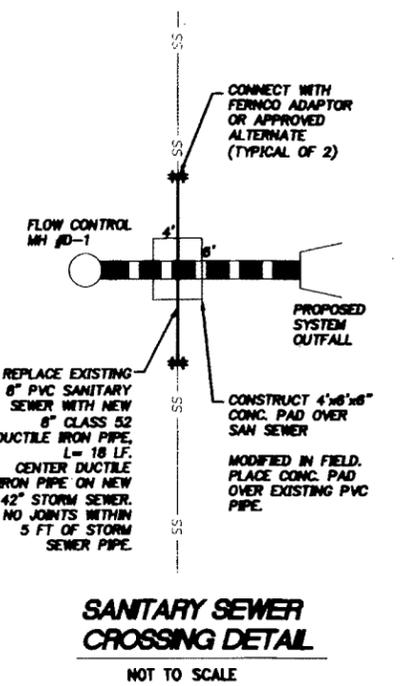
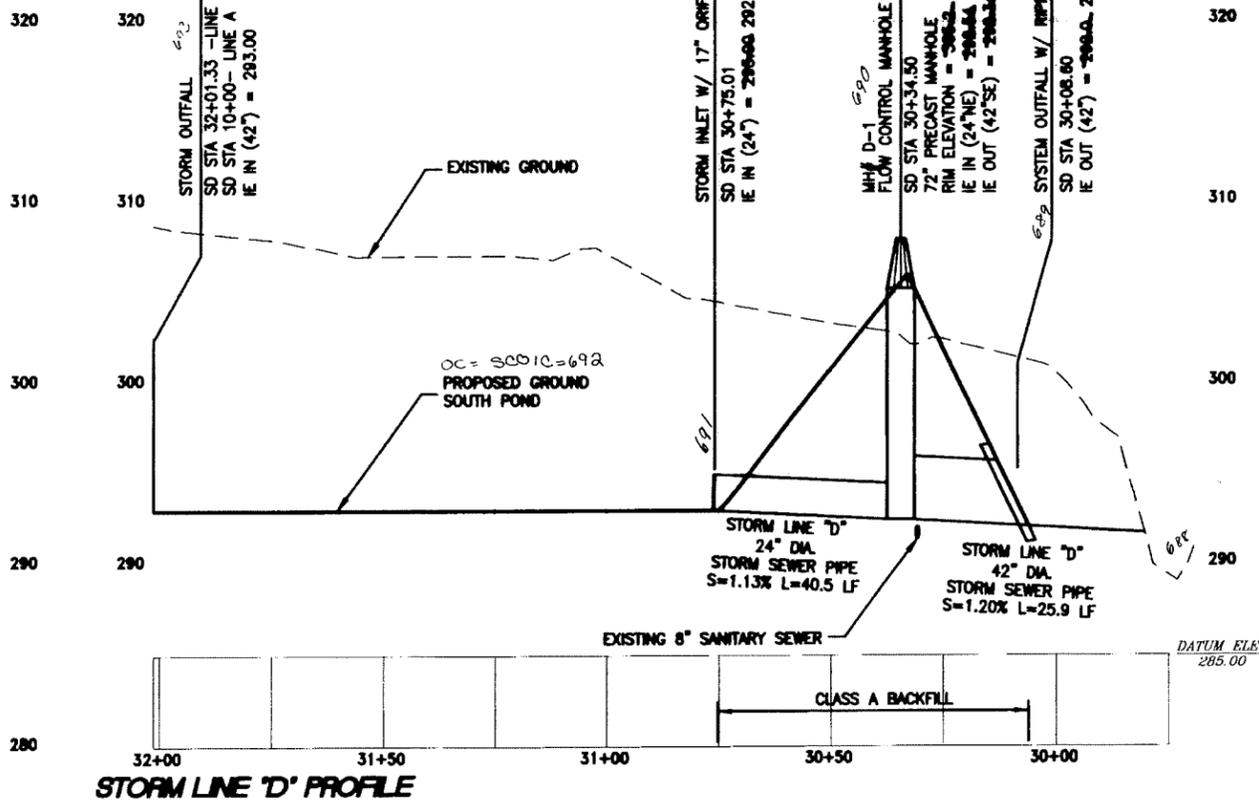
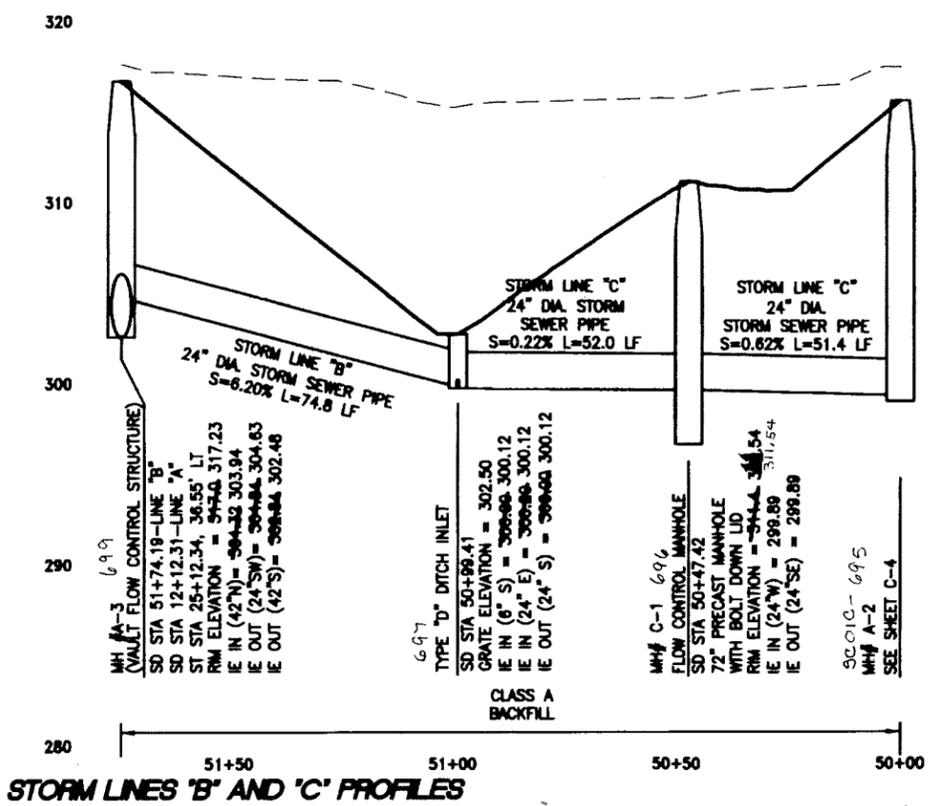
*R.V. [Signature]*  
 1-3-05

**"AS-BUILT"**  
 DATE 1-3-05 BY *R.V. [Signature]*

**CONSTRUCTION NOTES**

- 1 POTHOLE PRIOR TO BEGINNING STORM SEWER AND GRADING WORK TO VERIFY SANITARY SEWER ELEVATION AND LOCATION.
- 2 INSTALL TYPE "D" DITCH INLET. FINISH GRADE TO BE FLUSH WITH TOP BACK OF DITCH INLET. SEE DETAIL SHEET C12.
- 3 FLOW CONTROL STRUCTURE MH#C-1. SEE DETAIL SHEET C6.
- 4 INSTALL RIPRAP BASIN FOR STORM LINE A. SEE DETAIL SHEET C14.
- 5 INSTALL 17" DIA. ORIFICE CAP OVER 24" PIPE END.
- 6 FLOW CONTROL STRUCTURE MH#D-1. SEE DETAIL SHEET C6.
- 7 INSTALL RIPRAP BASIN FOR STORM LINE D. SEE DETAIL SHEET C14.
- 8 CONTRACTOR TO DAYLIGHT EXISTING STORM SEWER PIPE. INSTALL RIPRAP BASIN FOR OFFSITE OUTFALL TO BOTTOM OF PROPOSED FACILITY. SEE DETAIL SHEET C14.
- 9 CONNECT 6" DRAIN PIPE TO TYPE "D" DITCH INLET.
- 10 INSTALL 42" SAFETY INLET WITH PAVED END. SEE DETAIL SHEET C14.
- 11 REMOVE EXISTING STORM DRAIN LINE.
- 12 CHAIN LINK FENCE. SEE DETAIL SHEET C9.
- 13 5' WIDE, 3" DEPTH GRAVEL PATH INSIDE FENCE ALONG SOUTH AND WEST FENCE AS SHOWN. (SEE ALSO SHEET C9)

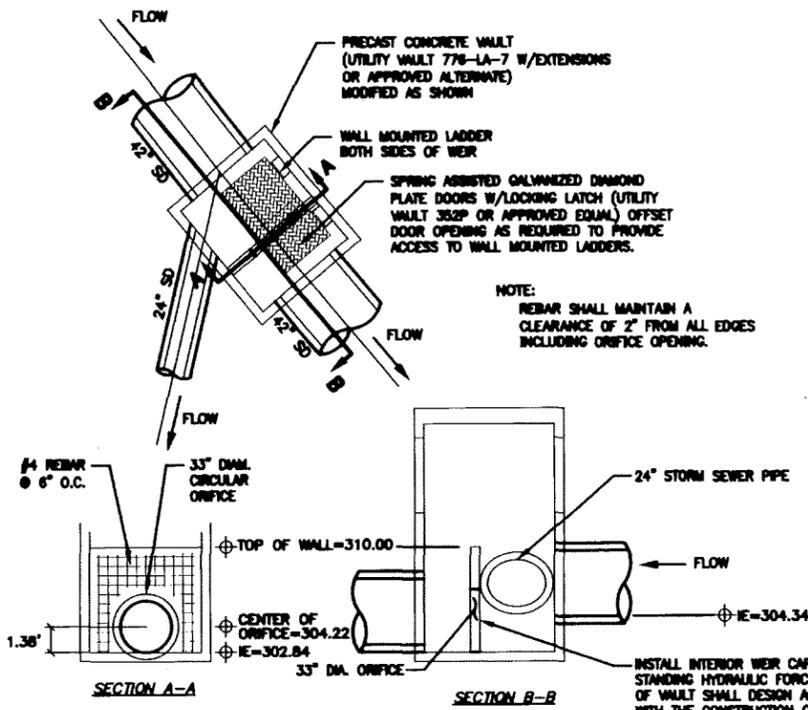
NO.	DATE	BY	REVISION COMMENTS



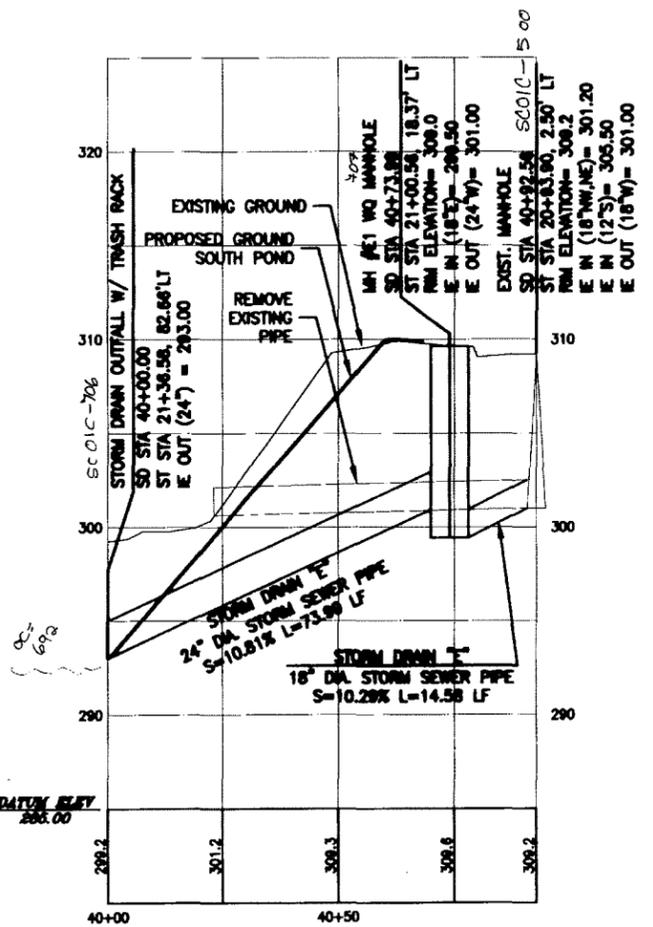
**SUNNYSIDE VILLAGE GREEN**  
 PLAN AND PROFILE STORM LINES "B", "C" & "D"  
 WATER ENVIRONMENT SERVICES  
 CLACKAMAS COUNTY, OREGON

**OTAK**  
 Incorporated  
 105 W Evergreen Blvd. #300  
 Vancouver, WA 98600-3123  
 Phone: (360) 737-9613  
 FAX: (360) 737-9651  
 Internet: WWW.OTAK.COM

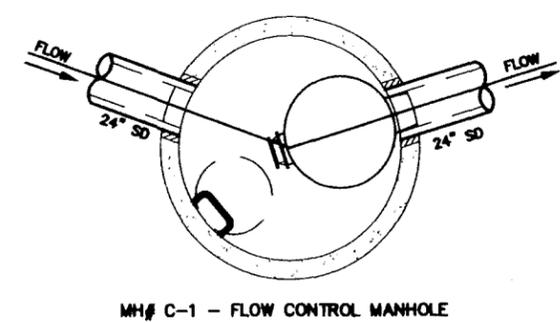
11236 CE04  
 Project No. Drawing No.  
**C5**  
 Sheet No.  
 Copyright 2002 ©



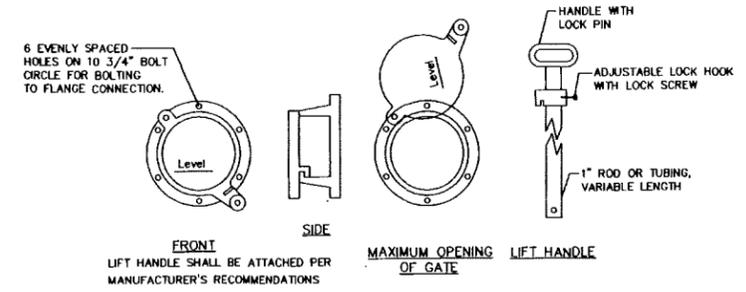
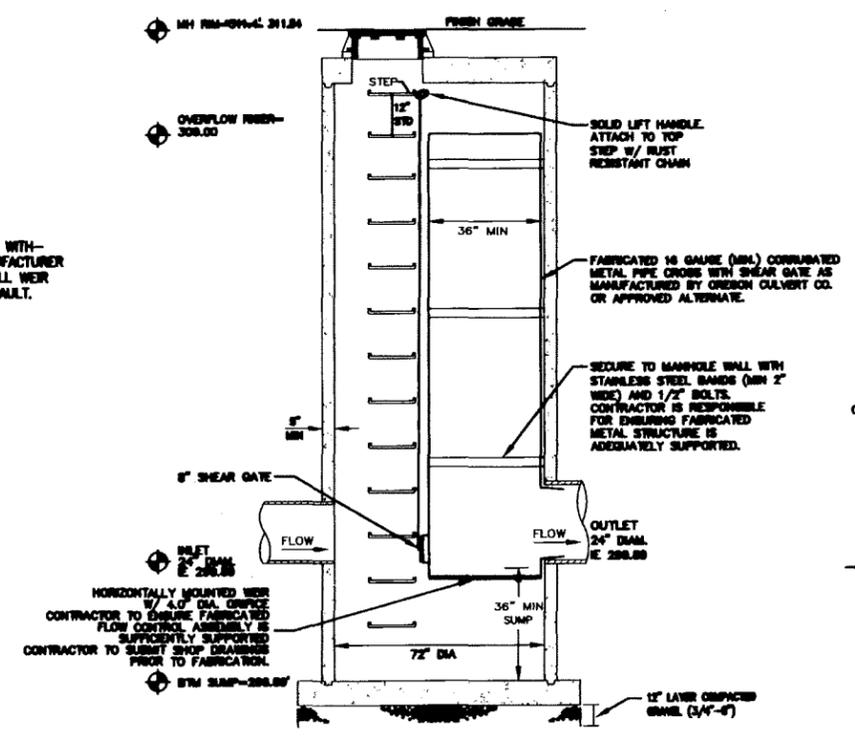
**VAULT FLOW CONTROL STRUCTURE MH# A-3**  
NOT TO SCALE



**STORM LINE 'E' PROFILE**  
SEE SHEET C9 FOR PLAN VIEW

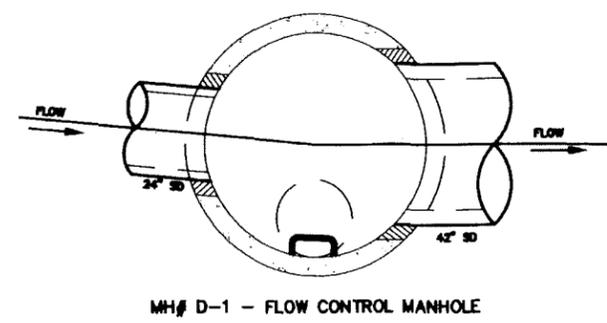


**MH# C-1 - FLOW CONTROL MANHOLE**

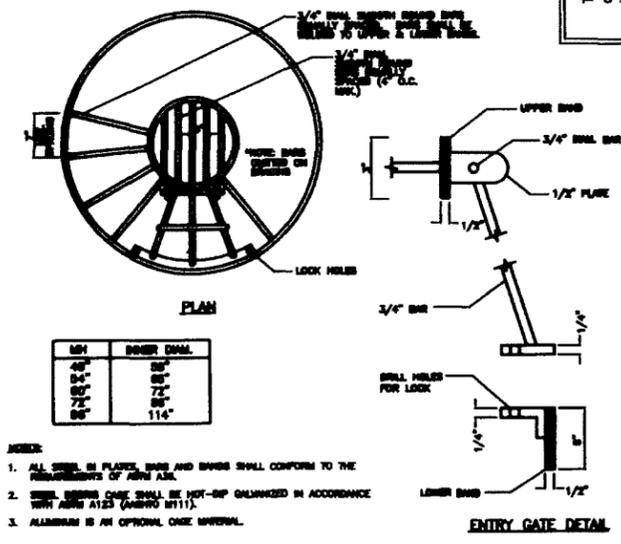
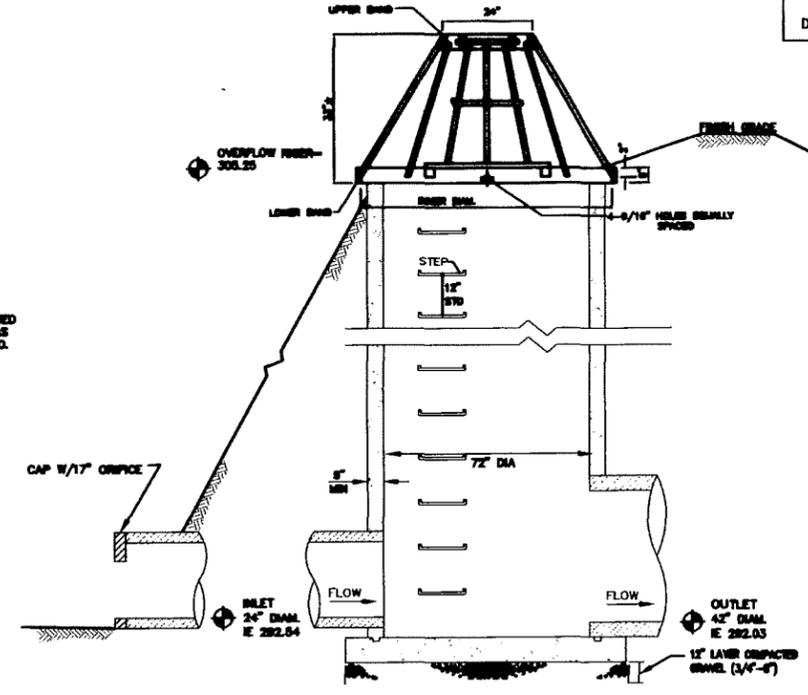


**CLEANOUT/SHEAR GATE**  
N.T.S.  
ALTERNATIVES ARE ACCEPTABLE PROVIDED MATERIAL SPECIFICATIONS ARE MET AND FLANGE BOLT PATTERN MATCHES.

**FLOW CONTROL MH# C-1**  
72" CONCRETE MANHOLE STORM SEWER FLOW CONTROL  
NOT TO SCALE



**MH# D-1 - FLOW CONTROL MANHOLE**



**DEBRIS CAGE DETAIL**  
**ENTRY GATE DETAIL**

**FLOW CONTROL MH# D-1**  
72" CONCRETE MANHOLE STORM SEWER FLOW CONTROL  
NOT TO SCALE

**"AS-BUILT"**  
DATE 1-2-05 BY *Bob Vajta*

These As-built Plans were compiled from survey data, data collected from others, and periodic observation during construction. It is suggested that these plans be used in conjunction with field verification of location and elevations of improvements in question. These plans are an accurate record of public improvements to the best of my information, knowledge and belief.  
*Bob Vajta*  
1-3-05

NO.	DATE	BY	REVISION COMMENTS

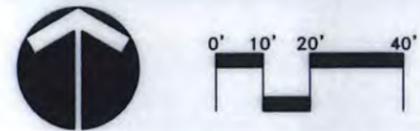
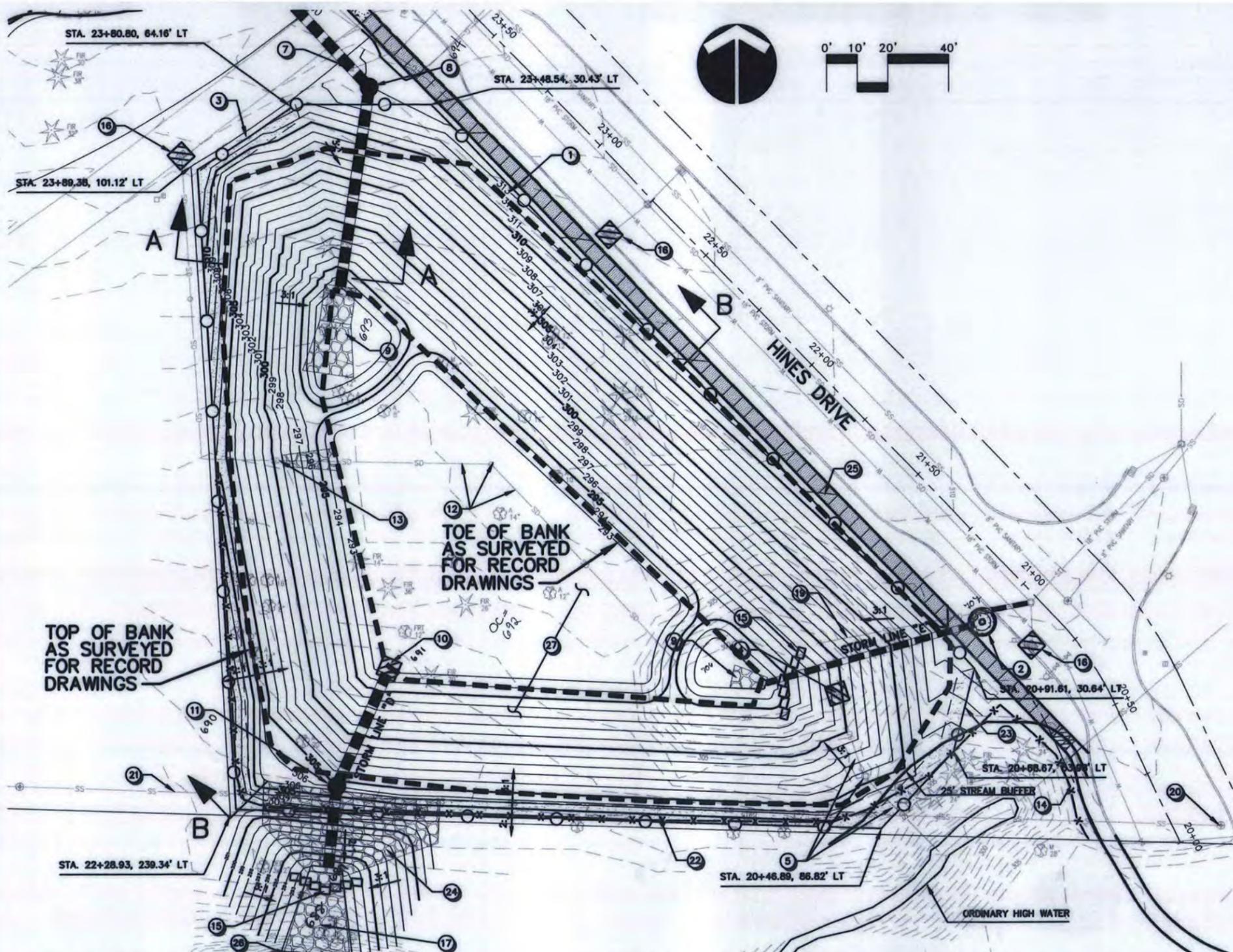


**SUNNYSIDE VILLAGE GREEN**  
STORM LINE "E" PROFILE AND FLOW CONTROL DETAILS  
WATER ENVIRONMENT SERVICES  
CLACKAMAS COUNTY, OREGON

**otak**  
Incorporated  
105 W Evergreen Blvd. #300  
Vancouver, WA 98660-3123  
Phone: (360) 737-9613  
FAX: (360) 737-9651  
Internet: WWW.otak.COM  
11236 CEO4  
Project No. Drawing No.  
**C6**  
Sheet No.  
Copyright 2002 ©







**"AS-BUILT"**  
DATE 1-3-05 *Bob Wajtk*

These As-built Plans were compiled from survey data, data collected from others, and periodic observation during construction. It is suggested that these plans be used in conjunction with field verification of location and elevations of improvements in question. These plans are an accurate record of public improvements to the best of my information, knowledge and belief.

*Bob Wajtk*  
1-3-05



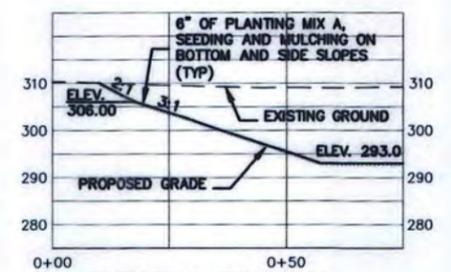
**SUNNYSIDE VILLAGE GREEN**  
SOUTH POND GRADING AND EROSION CONTROL  
WATER ENVIRONMENT SERVICES  
CLACKAMAS COUNTY, OREGON

**otak**  
Incorporated  
105 W Evergreen Blvd. #300  
Vancouver, WA 98660-3123  
Phone: (360) 737-9613  
FAX: (360) 737-9651  
Internet: WWW.otak.com  
11236 CEO4  
Project No. Drawing No.  
**C9**  
Sheet No.  
Copyright 2002 ©

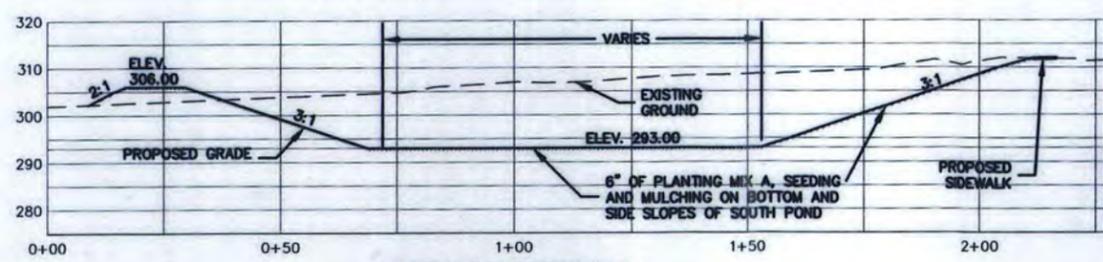
**CONSTRUCTION NOTES**

- 1 INSTALL 810± LF OF CL-6 CHAIN-LINK BLACK VINYL CLAD FENCE.
- 2 WATER QUALITY FACILITY E. SEE PLAN AND PROFILE SHEET C6.
- 3 ST. STA. 23+84, 82' LT  
INSTALL 6' X 72" DOUBLE CHAIN LINK GATE
- 4 REMOVE EXISTING POND OUTLET STRUCTURE. PROVIDE INLET PROTECTION DURING CONSTRUCTION PRIOR TO REMOVAL. SEE EROSION CONTROL DETAIL SHEET C15.
- 5 REMOVE EXISTING MANHOLE AND ALL ASSOCIATED STORM SEWER PIPE.
- 7 COORDINATE RELOCATION OF EXISTING METERS.
- 8 PROPOSED MANHOLE A-1, SEE SHEET C5.
- 9 INSTALL RIP RAP BASIN FOR STORM LINE "E". SEE DETAIL ON DETAIL SHEET C14.
- 10 POND OUTLET. SEE PLAN AND PROFILE SHEET C5. PROVIDE INLET PROTECTION DURING CONSTRUCTION. SEE EROSION CONTROL DETAIL SHEET C15.
- 11 INSTALL FLOW CONTROL STRUCTURE MH/D-1. SEE PLAN AND PROFILE SHEET C5 AND STORM DETAIL SHEET C6.
- 12 REMOVE EXISTING STORM MANHOLE AND ALL ASSOCIATED STORM SEWER PIPE TO OUTFALL.
- 13 DAYLIGHT NEW PIPE AT PROPOSED POND GRADE. PLACE RIP RAP BASIN FOR OFFSITE SYSTEM PER DETAIL SHEET C14.
- 14 INSTALL 430± LF OF SILT FENCE. SEE EROSION CONTROL DETAIL SHEET C15.
- 15 PLACE BIOFILTRATION BAGS PER DETAIL ON SHEET C15.
- 16 INSTALL INLET PROTECTION AT EXISTING CATCHBASIN.
- 17 INSTALL RIPRAP BASIN FOR STORM LINE "D". SEE DETAIL SHEET C14.
- 19 REMOVE 72 LF EXISTING STORM SEWER PIPE.

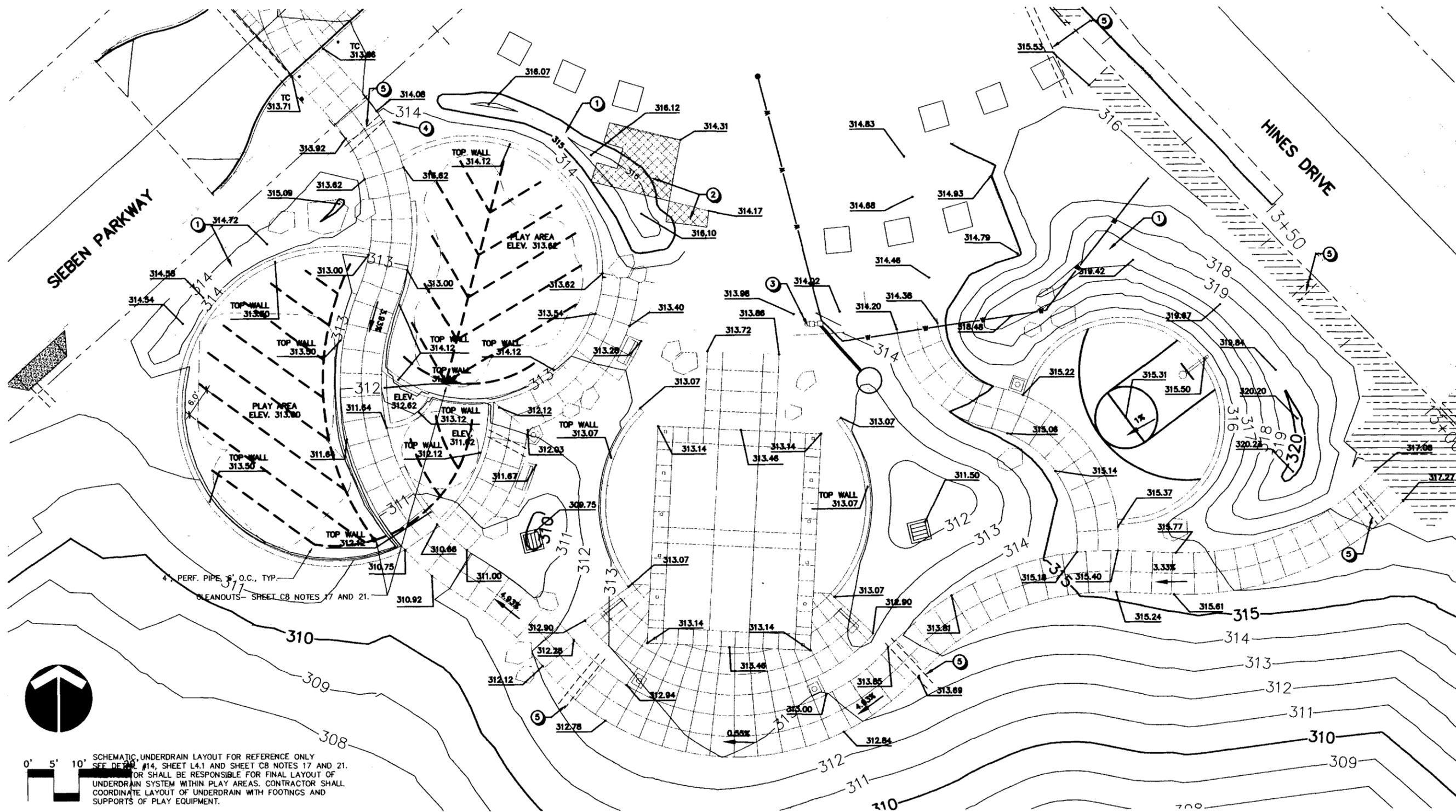
- 20 VERIFY DEPTH & INVERTS OF MANHOLE BURIED BY ASPHALT. NOTIFY ENGINEER IF INVERTS VARY BY MORE THAN 0.5' FROM 293.60. REPAIR ASPHALT AFTER VERIFICATION.
- 21 VERIFY DEPTH OF EXISTING SANITARY SEWER PRIOR TO TRENCHING FOR STORM SYSTEM "D".
- 22 5' WIDE, 3" DEPTH GRAVEL PATH INSIDE FENCE ALONG SOUTH AND WEST FENCE.
- 23 INSTALL 3' X 72" CHAIN LINK SINGLE GATE.
- 24 INSTALL 1265 S.F. OF RIPRAP PROTECTION, 22" DEPTH, CLASS 250, WITH FILTER MATERIAL AND CLAY LINER PER DETAIL, SHEET C15.
- 25 INSTALL PERVIOUS PORTLAND CEMENT CONCRETE SIDEWALK. SEE SHEET C16.
- 26 INSTALL 30 LF OF SILT FENCE. SEE EROSION CONTROL DETAIL SHEET C15.
- 27 HYDROSEED ALL DISTURBED AREAS OF SOUTH POND IN ACCORDANCE WITH PROJECT SPECIFICATIONS. SEED MIXES TO BE USED SHALL BE AS SHOWN ON SHEET L2.3.
- 28 CONSTRUCT 2' HIGH BERMS AND APPLY 6" PLANTING MIX B, SEEDING AND MULCH.



**SOUTH POND SECTION A-A**  
SCALE: HOR 1"=50', VERT 1"=5'



**SOUTH POND SECTION B-B**  
SCALE: HOR 1"=50', VERT 1"=5'



SCHEMATIC UNDERDRAIN LAYOUT FOR REFERENCE ONLY  
 SEE DETAIL #14, SHEET L4.1 AND SHEET C8 NOTES 17 AND 21.  
 CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL LAYOUT OF  
 UNDERDRAIN SYSTEM WITHIN PLAY AREAS. CONTRACTOR SHALL  
 COORDINATE LAYOUT OF UNDERDRAIN WITH FOOTINGS AND  
 SUPPORTS OF PLAY EQUIPMENT.



**CONSTRUCTION NOTES**

- ① CONSTRUCT LANDSCAPE BERM. SEE DETAILS SHEET L4.1.
- ② SAW CUT AND REMOVE EXISTING SIDEWALK.
- ③ CONSTRUCT CONCRETE SLAB FOR DRINKING FOUNTAIN. SEE DETAILS SHEET L4.1.
- ④ RELOCATE EXISTING IRRIGATION CONTROLLERS.
- ⑤ INSTALL SLEEVE FOR IRRIGATION SYSTEM PER SHEET L3.1.



NO.	DATE	BY	REVISION COMMENTS

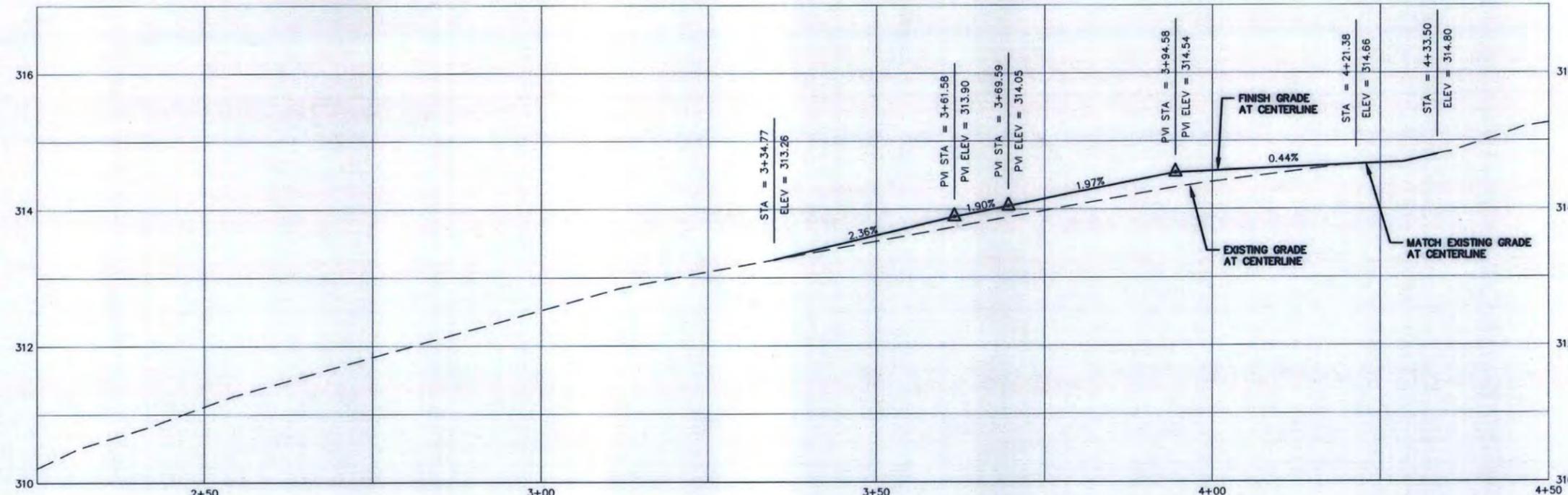
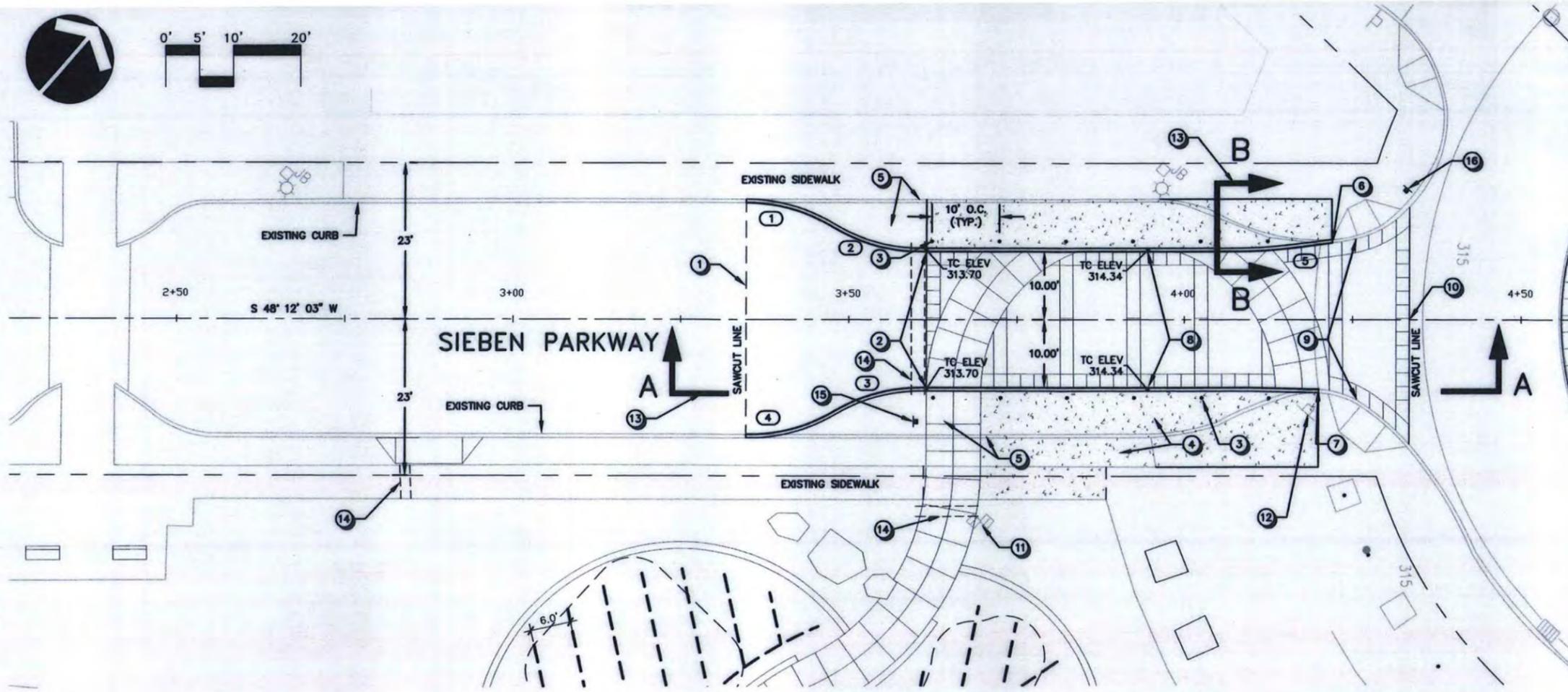
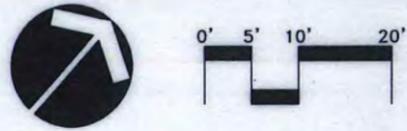
**SUNNYSIDE VILLAGE GREEN**

PLAY AREA GRADING PLAN  
 WATER ENVIRONMENT SERVICES  
 CLACKAMAS COUNTY, OREGON

**otak**  
 Incorporated  
 105 W Evergreen Blvd. #300  
 Vancouver, WA 98660-3123  
 Phone: (360) 737-9613  
 FAX: (360) 737-9651  
 Internet: WWW.OTAK.COM

11236 CEO4  
 Project No. Drawing No.  
**C10**  
 Sheet No.  
 Copyright 2002 ©

V: JMN 01/17/03 11:32am --> R:\DWG\C2365007B.DWG

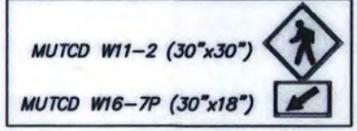


**PROFILE VIEW**  
SCALE: 1"=10' HOR. 1"=1' VERT.

**CONSTRUCTION NOTES**

- 1 STA 3+34.77, SAWCUT AND MATCH EXISTING CURB AND PAVEMENT. BEGIN PAVEMENT TRANSITION FROM 0" EXPOSURE CURB TO 0" EXPOSURE CURB AT RAISED PEDESTRIAN CROSSING.
- 2 STA 3+61.58, END PAVEMENT TRANSITION. BEGIN RAISED PEDESTRIAN CROSSING PER DETAIL ON SHEET C12.
- 3 INSTALL BOLLARDS 2' O.C. FROM FACE OF CURB PER LANDSCAPE DETAIL SHEET L4.1. (TYP.)
- 4 CONSTRUCT 4" THICK CONCRETE SIDEWALK PER LANDSCAPE DETAIL SHEET L4.1.
- 5 SAWCUT AND REMOVE EXISTING CURB AND ASPHALT SURFACING.
- 6 STA 4+21.97, END CURB CONSTRUCTION LEFT. MATCH EXISTING.
- 7 STA 4+19.95, END CURB CONSTRUCTION RIGHT. MATCH EXISTING.
- 8 STA 3+94.58, BEGIN PAVEMENT TRANSITION FROM 0" EXPOSURE CURB TO 6" EXPOSURE CURB.
- 9 STA 4+25.70, END PAVEMENT TRANSITION. MATCH EXISTING PAVEMENT.
- 10 STA 4+33.50, END RAISED PEDESTRIAN CROSSING PER DETAIL ON SHEET C12. SAWCUT AND MATCH EXISTING CONCRETE PAVEMENT.
- 11 RELOCATE AND ADJUST EXISTING WATER METERS TO FINISH GRADE.
- 12 REMOVE AND RELOCATE EXISTING SIGN AS DIRECTED BY OWNER.
- 13 SEE SHEET C12 FOR SECTIONS A-A AND B-B.
- 14 INSTALL SLEEVE FOR IRRIGATION SYSTEM PER SHEET L3.1.
- 15 STA 3+60, 15' RT INSTALL MUTCD SIGNS W11-2 & W16-7P AS SHOWN BELOW FACING APPROACHING TRAFFIC. COORDINATE SIGN PLACEMENT WITH MIKE HATTAN 503-353-4703.
- 16 STA 4+33, 19' LT INSTALL MUTCD SIGNS W11-2 & W16-7P AS SHOWN BELOW FACING APPROACHING TRAFFIC. COORDINATE SIGN PLACEMENT WITH MIKE HATTAN 503-353-4703.

**SIGN LEGEND**



**CURB CURVE TABLE  
SIEBEN PARK WAY**

1	PC=3+34.76, 17.48' LT PCC=3+47.68, 13.59' LT Δ = 31°07'10" R = 25.00' L = 13.58'
2	PC=3+47.68, 13.59' LT PCC=3+60.59, 10.00' LT Δ = 31°05'01" R = 25.00' L = 13.56'
3	PC=3+60.59, 10.00' RT PCC=3+47.90, 13.46' RT Δ = 28°03'32" R = 25.00' L = 12.24'
4	PC=3+47.90, 13.46' RT PCC=3+36.28, 16.89' RT Δ = 28°03'32" R = 25.00' L = 12.24'
5	PC=4+07.07, 10.00' LT PCC=4+21.97, 11.31' LT Δ = 10°04'23" R = 85.00' L = 14.98'



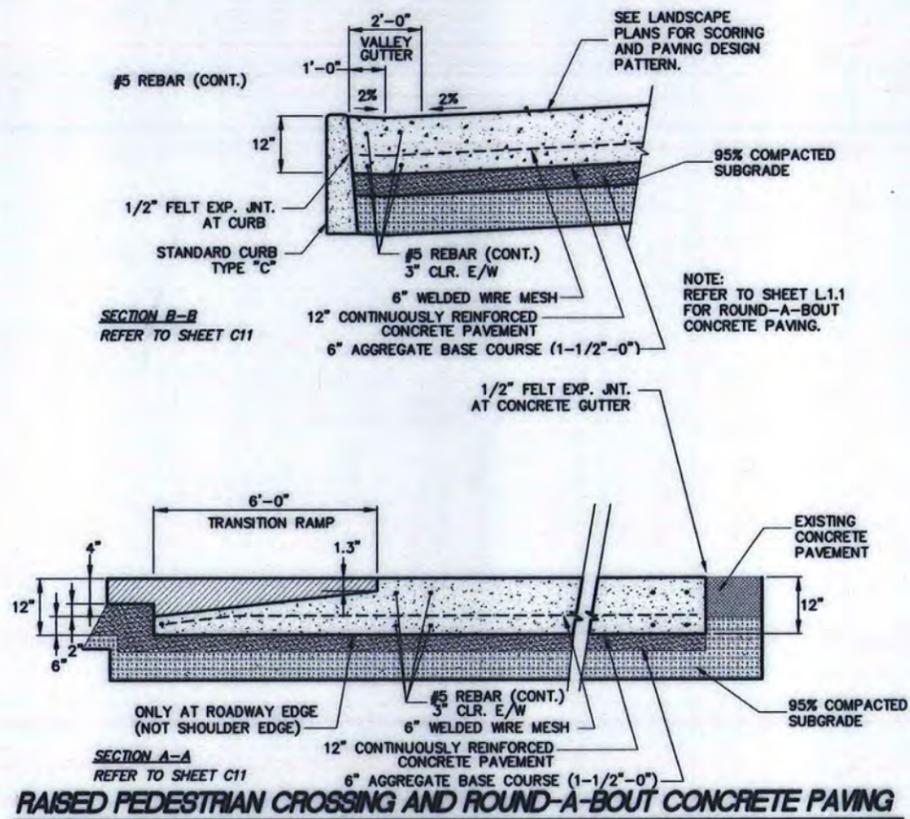
**SUNNYSIDE VILLAGE GREEN**  
SIEBEN PARKWAY PEDESTRIAN CROSSING PLAN  
WATER ENVIRONMENT SERVICES  
CLACKAMAS COUNTY, OREGON

**otak**  
Incorporated  
105 W Evergreen Blvd. #300  
Vancouver, WA 98660-3123  
Phone: (360) 737-9613  
FAX: (360) 737-9651  
Internet: WWW.Otak.COM

11236 CEO4  
Project No. Drawing No.  
**C11**  
Sheet No.  
Copyright 2002 ©

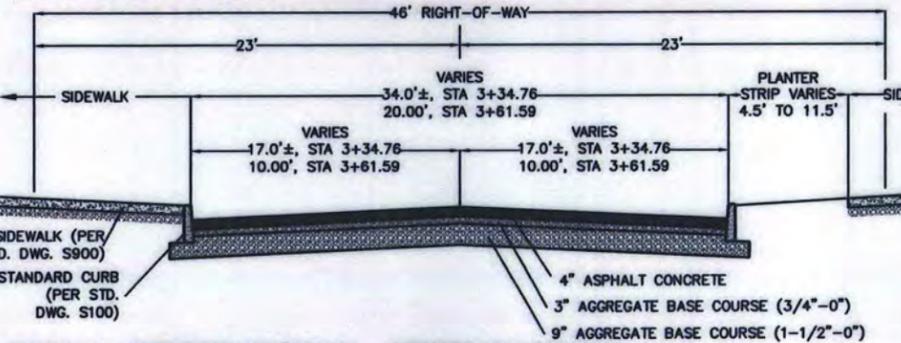
NO.	DATE	BY	REVISION COMMENTS

V:\SHANE 11/15/03 3:05pm -> R:\JW\G\C238501.DWG



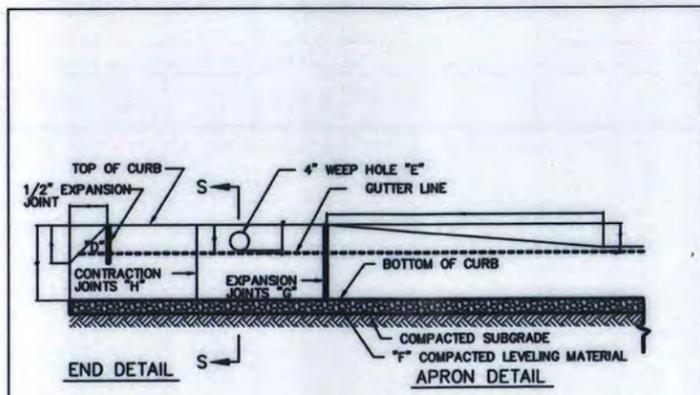
**RAISED PEDESTRIAN CROSSING AND ROUND-A-BOUT CONCRETE PAVING**

STATION 3+61.59 TO 4+33.50, NOT TO SCALE



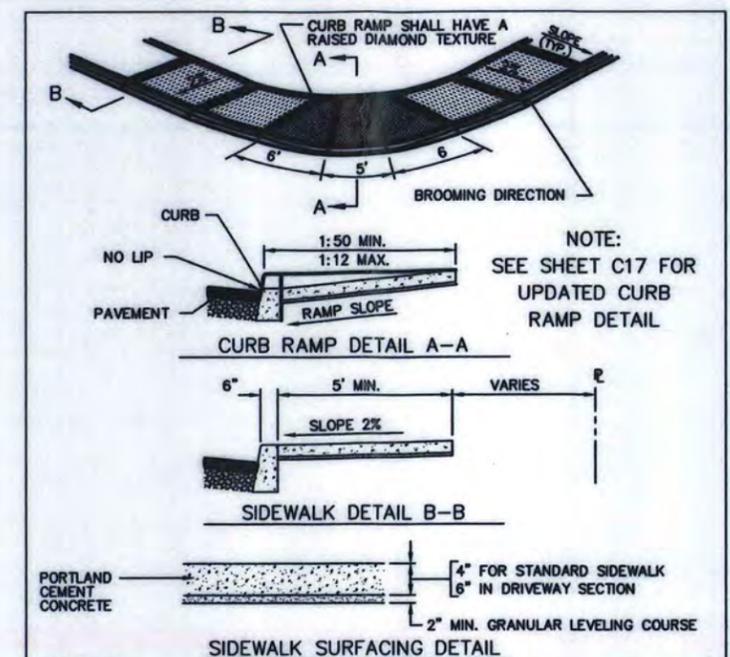
**TYPICAL STREET SECTION - SIEBEN PARKWAY**

STATION 3+34.76 TO 3+61.59, NOT TO SCALE



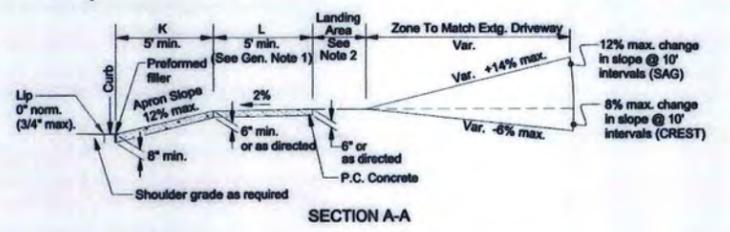
- NOTES:**
- "A" CURB EXPOSURE, STANDARD 6", VARY AS SHOWN ON TYPICAL SECTION, OR AS DIRECTED.
  - "B" CURB EXPOSURE ADJACENT TO DRIVEWAY, STANDARD 1", OR AS DIRECTED.
  - "C" DRIVEWAY APRON, STANDARD RESIDENTIAL & COMMERCIAL 5" MIN, OR AS DIRECTED.
  - "D" END CURB SECTION, TOP TO BE REMOVED UPON EXTENSION OF CURB.
  - "E" WEEP HOLE, 4" PLASTIC DRAIN PIPE OR APPROVED EQUIVALENT, LOCATED AS INDICATED ON THE PLANS OR AS DIRECTED. DRAIN PIPE SHALL HAVE A BELL OR A 3" EXTENSION, FOR FUTURE HOOK-UP. LEVELING COURSE, 3/4"-0" OR 1/2"-0" CRUSHED ROCK, 4" MIN.
  - "G" EXPANSION JOINTS, MAX. 45' SPACING AND AT BEGINNING AND END OF CURVES OR AS DIRECTED.
  - "H" CONTRACTION JOINTS, MAX. 15' SPACING AND AT LOCATIONS AS DIRECTED.

CLACKAMAS COUNTY DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT		<b>STANDARD VERTICAL CURB TYPE "C"</b>		S100	
REV.	DESCRIPTION	DATE	BY	CHKD.	DATE
1-1-99				N.T.S.	

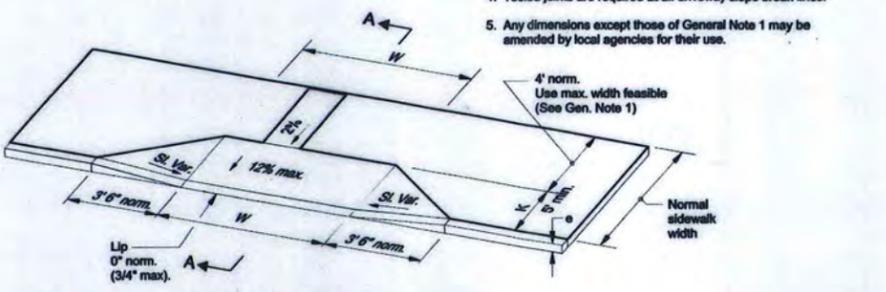


- NOTES:**
- FOR CONCRETE AND MISC. MATERIALS USED IN CONSTRUCTION SHALL CONFORM TO CURRENT APWA STANDARD SPECIFICATIONS.
  - EXPANSION JOINT EVERY 45' MIN OR AT EQUAL INTERVALS CORRESPONDING TO CURB LINE. CONTRACTION JOINT EVERY 15'. TOOLED JOINT EVERY 5 FEET.
  - THE SURFACE FINISH SHALL BE CROSS BROOMED.
  - CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3300 PSI IN 28 DAYS.
  - APPROVAL MUST BE OBTAINED FROM THE COUNTY DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT FOR SIDEWALK AT ANY LOCATION IN THE PUBLIC ROAD R/W.
  - PROVIDE MEDIUM BROOM FINISH, PRIOR TO APPLYING WHEELCHAIR RAMP TEXTURE.

CLACKAMAS COUNTY DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT		<b>STANDARD SIDEWALK AND CURB RAMP RESIDENTIAL AREAS</b>		S900	
REV.	DESCRIPTION	DATE	BY	CHKD.	DATE
1-1-99				N.T.S.	

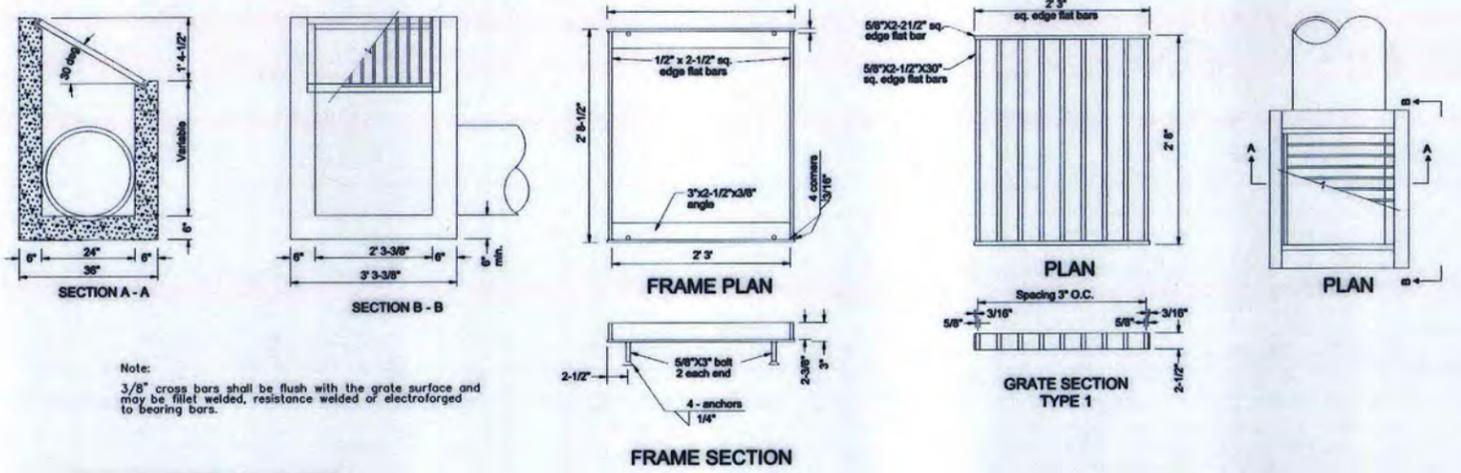


- GENERAL NOTES:**
- 5' sidewalk width with slope of 2% is required through driveways. 3' 6" min. width is acceptable where full sidewalk width is less than 6'.
  - Width of driveway (W) and length of landing area shall be as shown on plans or as directed.
  - Where existing driveway is in good condition, and meets slope requirements construct only as much as required for satisfactory connection with new work.
  - Tooled joints are required at all driveway slope break lines.
  - Any dimensions except those of General Note 1 may be amended by local agencies for their use.



**CONCRETE DRIVEWAY DROP**

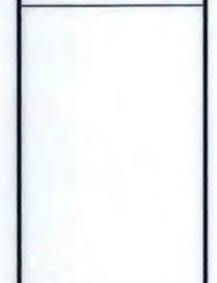
NOT TO SCALE



**TYPE 'D' DITCH INLET**

NTS

REVISION COMMENTS	DATE	BY	DESIGN	DRAWN	CHECKED	DATE	INITIAL	ISSUE DATE
			JGN	JGN	JGN			July 24, 2003

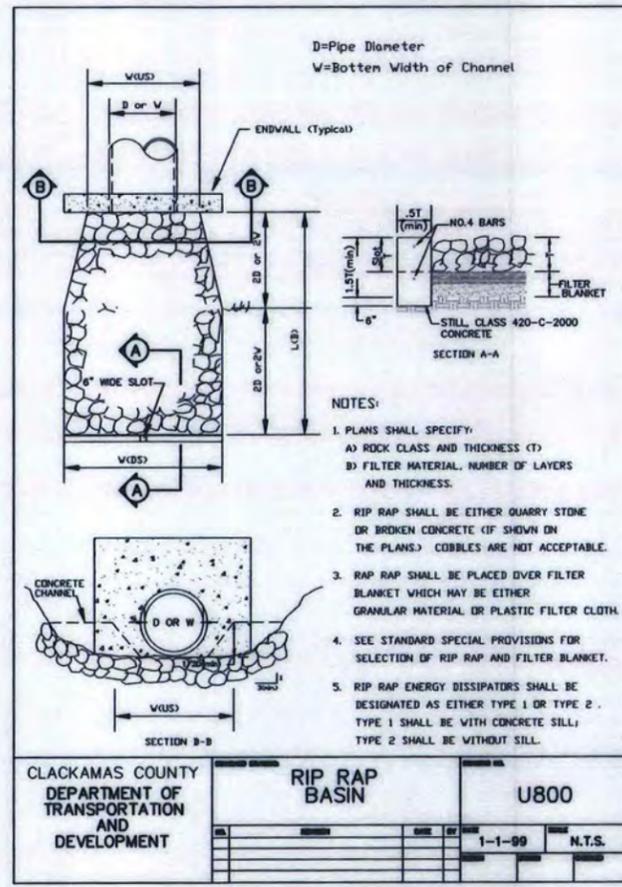
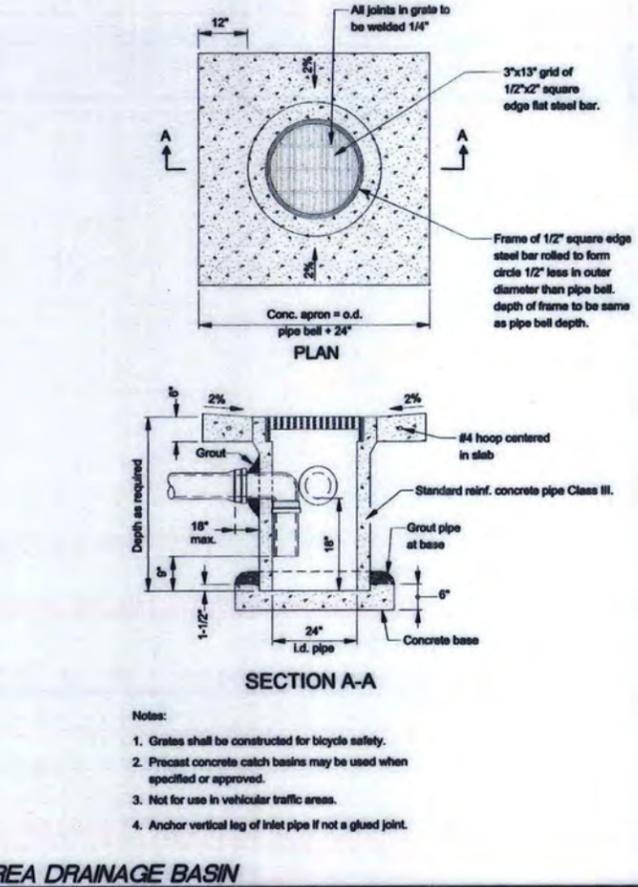
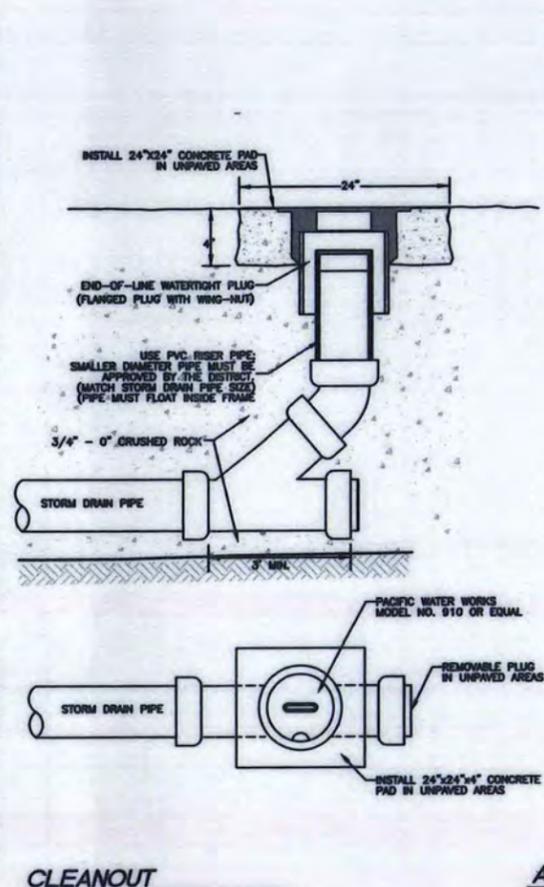
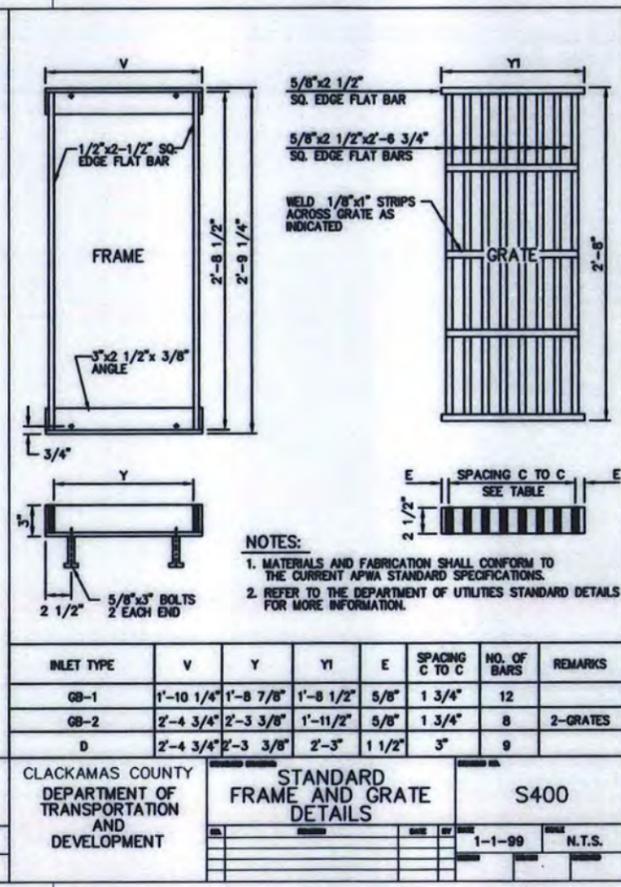
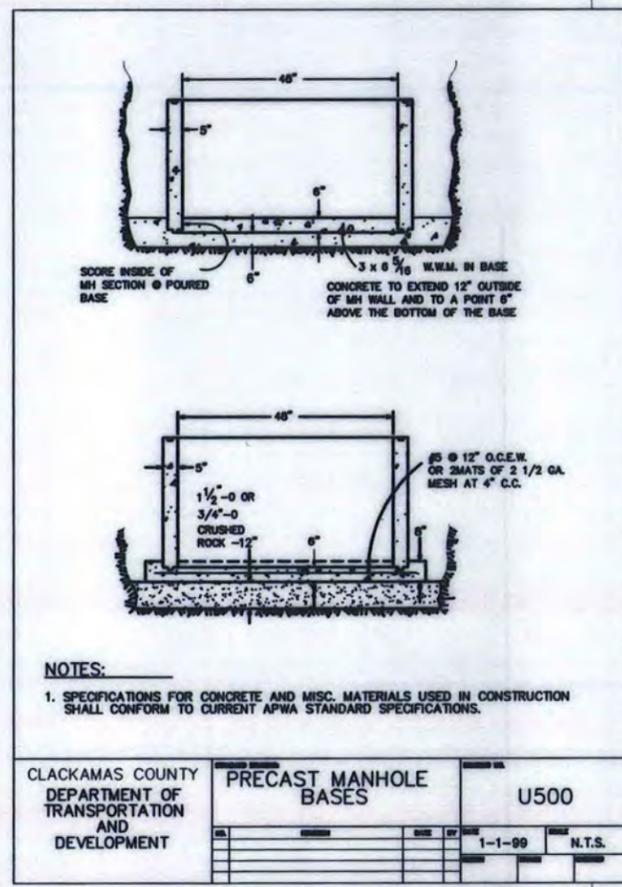


**SUNNYSIDE VILLAGE GREEN**  
STREET DETAILS  
WATER ENVIRONMENT SERVICES  
CLACKAMAS COUNTY, OREGON

**otak**  
Incorporated  
105 W Evergreen Blvd. #300  
Vancouver, WA 98660-3123  
Phone: (360) 737-9813  
FAX: (360) 737-9851  
Internet: WWW.OTAK.COM  
11236 CEO4  
Project No. Drawing No.  
**C12**  
Sheet No.  
Copyright 2002 © M

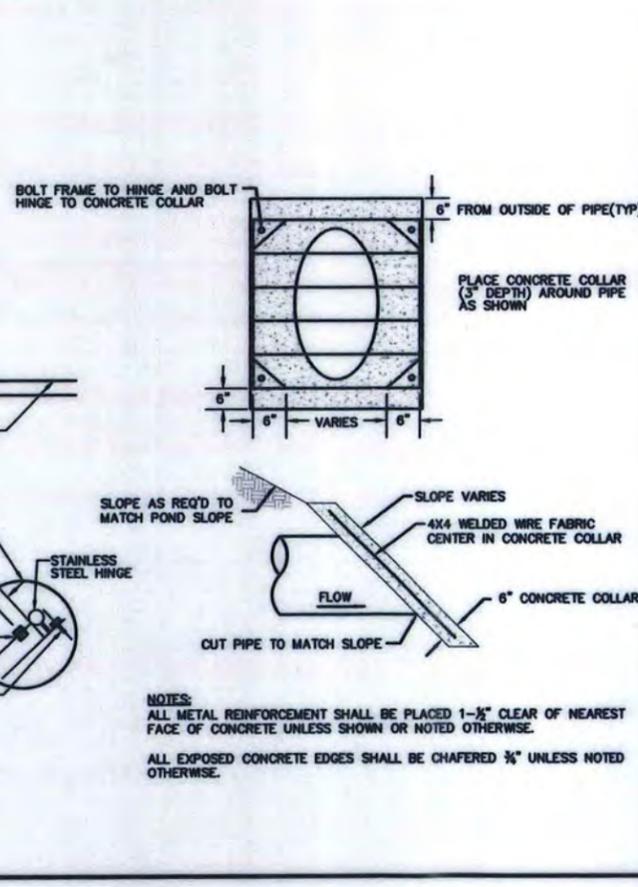
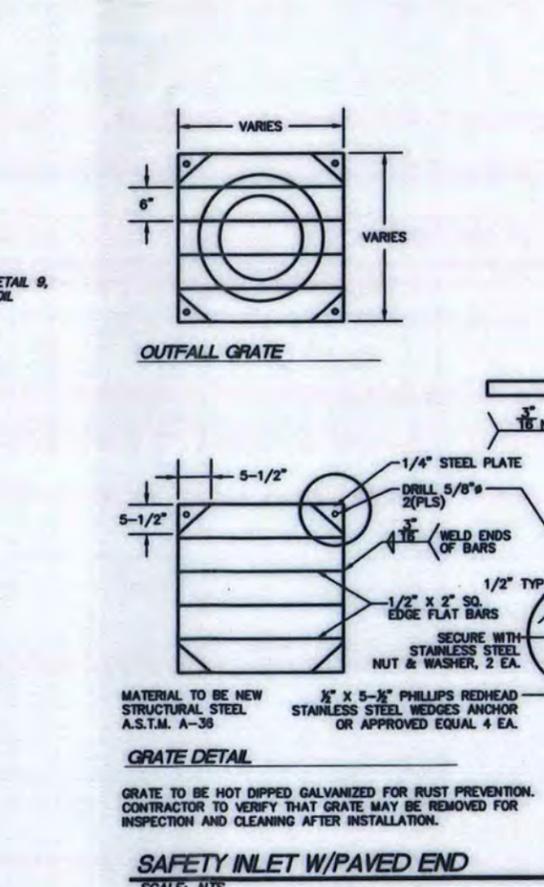
V: johndia 05/14/03 8:24pm --> R:\DWG\C2365013.DWG





**RIPRAP BASIN SUMMARY TABLE**

STORMLINE	A	D	E	OFFSITE
BASIN LENGTH L(B) - FT	29	29	10	10
UPSTREAM BASIN WIDTH, W(US) - FT	10.5	10.5	3.0	3.0
DOWNSTREAM BASIN WIDTH, W(DS) - FT	22.0	22.0	7.0	7.0
RIPRAP CLASS (ODOT)	250	250	100	100
RIPRAP DEPTH - INCH	22	22	15	15
FILTER MATERIAL	4'-0	4'-0	NONE	NONE
FILTER MATERIAL DEPTH - INCH	6"	6"	N/A	N/A



**SUNNYSIDE VILLAGE GREEN**

STORM DRAIN DETAILS  
 WATER ENVIRONMENT SERVICES  
 CLACKAMAS COUNTY, OREGON

**otak**  
 Incorporated

105 W Evergreen Blvd. #300  
 Vancouver, WA 98660-3123  
 Phone: (360) 737-9613  
 FAX: (360) 737-9651  
 Internet: WWW.otak.com

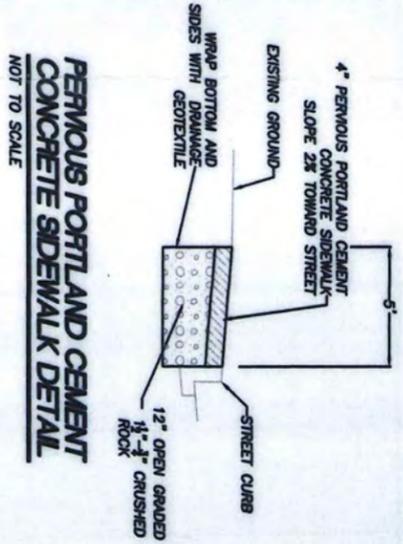
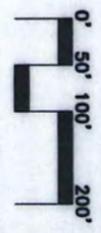
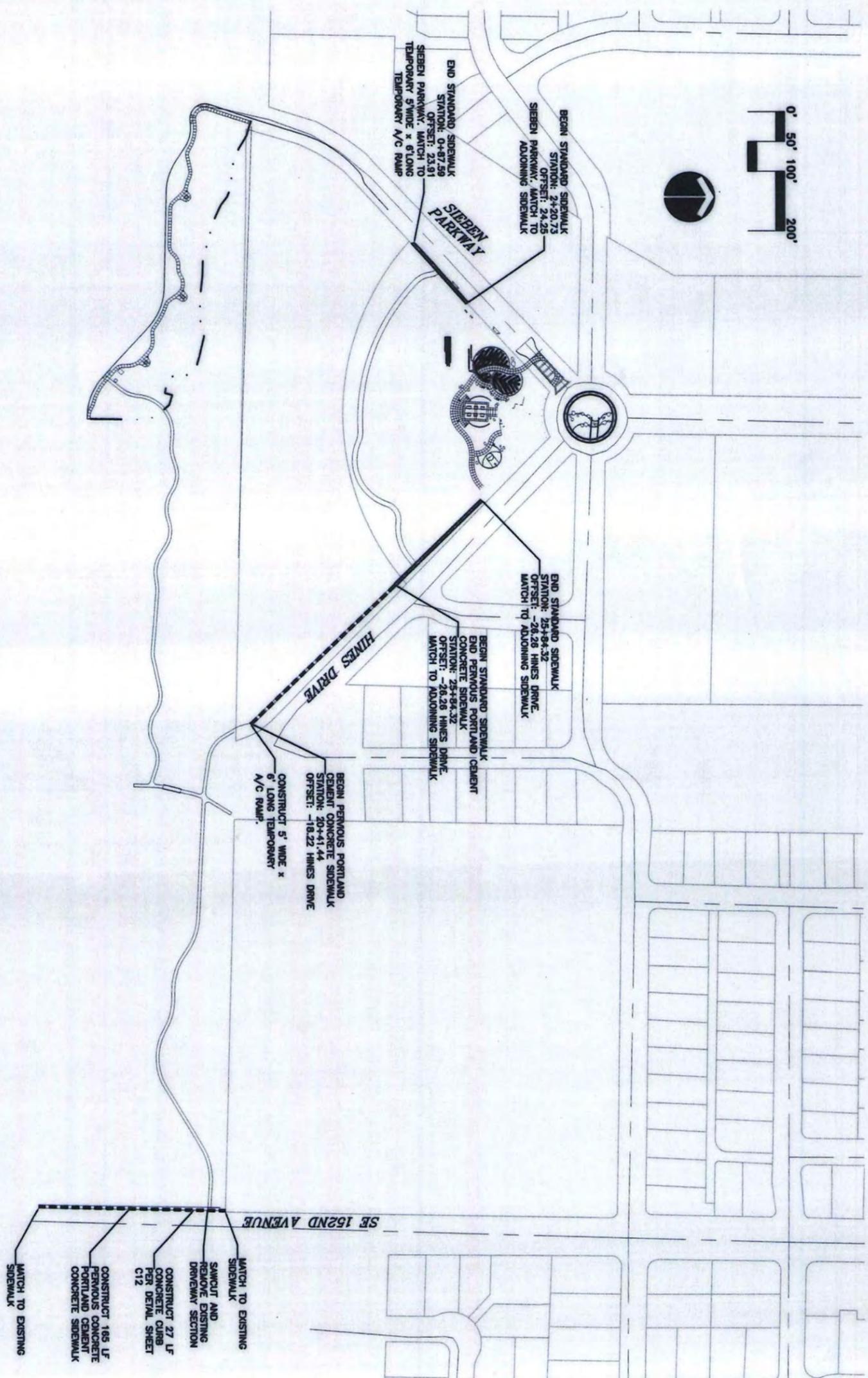
11236 CE04  
 Project No. Drawing No.

**C14**

Sheet No.  
 Copyright 2002 © O

NO. DATE BY REVISION COMMENTS

DESIGN: JGN  
 CHECKED: JGN  
 DATE: JULY 24, 2003  
 INITIAL ISSUE DATE: JULY 24, 2003



SE 162ND AVENUE

MATCH TO EXISTING SIDEWALK

SAW CUT AND REMOVE EXISTING DRIVEWAY SECTION

CONSTRUCT 27 LF CONCRETE CURB PER DETAIL SHEET C12

CONSTRUCT 165 LF PERVIOUS PORTLAND CEMENT CONCRETE SIDEWALK

MATCH TO EXISTING SIDEWALK

# SUNNYSIDE VILLAGE GREEN

PERVIOUS SIDEWALK PLAN AND DETAIL  
 WATER ENVIRONMENT SERVICES  
 CLACKAMAS COUNTY, OREGON

**otak**  
 Incorporated

105 W. Evergreen Blvd. #300  
 Vancouver, WA 98660-3123  
 Phone: (360) 737-8813  
 FAX: (360) 737-8811  
 Internet: WWW.OTAK.COM

11236 C236X001  
 Project No. Drawing No.

Sheet No. **C16**

Copyright 2003



NO.	DATE	BY	REVISION	COMMENTS

Design	Drawn	Checked	Date	Initial Issue Date:
SKC	SKC	SKC		July 24, 2003

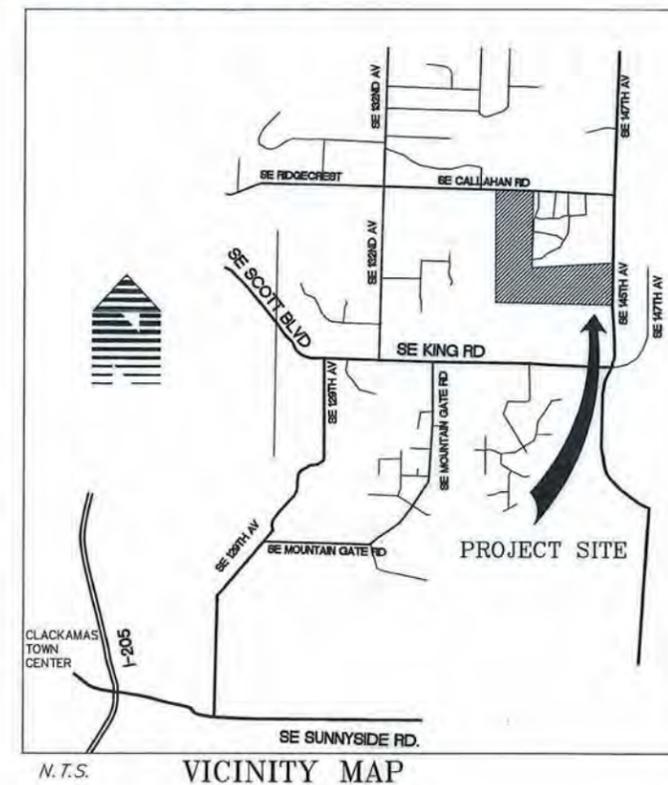


**Exhibit C**  
**Sub-Regional B Pond As-Builts**

# CLACKAMAS COUNTY - SERVICE DISTRICT #1 SUBREGIONAL DETENTION FACILITIES

## LEGEND

EXISTING LEGEND	PROPOSED LEGEND
□ WATER METER	— CURB
□ MAIL BOX	▨ CONCRETE SIDEWALK
—OHW— OVERHEAD ELECTRIC POWER	— ROADWAY CENTERLINE
—USW— UNDERGROUND TELEPHONE	— RIGHT-OF-WAY
— G — GAS LINE	— PROPOSED STORM
— W — WATER LINE	— PROPOSED SANITARY
— S — SEWER LINE	— SS — PROPOSED WATER
— x — EXISTING FENCE	● PROPOSED HYDRANT
★ CONIFEROUS TREE	○ PROPOSED VALVE
○ DECIDUOUS TREE	□ PROPOSED WATER SERVICE
▭ CATCH BASIN	▭ PROPOSED CATCH BASIN
○ STORM SEWER MANHOLE	○ PROPOSED STORM MANHOLE
○ SANITARY SEWER MANHOLE	○ PROPOSED SANITARY MANHOLE
○ GAS VALVE	○ PROPOSED BLOW OFF
○ SPRINKLER VALVE	
○ WATER VALVE	
○ FIRE HYDRANT	
○ STREET LIGHT	
□ SIGN POST	
□ TELEPHONE PEDESTAL	
□ POWER PEDESTAL	
□ TELEPHONE VAULT	
▨ EXISTING PAVEMENT	



### CONTACT LIST:

- 1.) WATER ENVIRONMENT SERVICE, DEPT. OF CLACKAMAS CO. (OWNER) - JOHN CRAMER - 353-4569
- 2.) CLACKAMAS COUNTY (STORM SEWER) - MIKE NACRELLI - 353-4595
- 3.) CLACKAMAS COUNTY (SANITARY SEWER) - TIM FINLEY - 353-4575
- 4.) MT. SCOTT WATER DISTRICT - DARYL ZINSER - 761-0220
- 5.) CITY OF HAPPY VALLEY - BUD HOUSTON - 760-3325
- 6.) CITY OF HAPPY VALLEY - BILL SANDERS - 760-3325
- 7.) PORTLAND GENERAL ELECTRIC - RALPH GOINS - 669-5278
- 8.) PARAGON CABLE - AMANDA - 667-9390 x 229
- 9.) NORTHWEST NATURAL - JIM STOELTING - 220-2357
- 10.) QWEST - TIM WITKOWSKI - 503-249-5402

## INDEX OF DRAWINGS

<del>C000 COVER SHEET</del>	C300 HALF STREET IMPROVMENT PLAN PROFILE - 145TH
<del>C100 EXISTING CONDITIONS - POND A</del>	C400 STORM PLAN AND PROFILE - 145TH
<del>C101 EXISTING CONDITIONS - POND B</del>	C401 STORM PLAN AND PROFILE - 145TH
<del>C102 EXISTING CONDITIONS - 145TH/CALLAHAN RD</del>	C402 STORM PLAN AND PROFILE - CALLAHAN
<del>C103 EXISTING CONDITIONS - CALLAHAN RD</del>	C403 VISITOR PARKING LOT GRADING, PAVING AND DIMENSION PLAN
<del>C104 EXISTING CONDITIONS - SWALE A</del>	C500 WATER QUALITY STRUCTURE
<del>C105 EXISTING CONDITIONS - SPORTS FIELDS</del>	<del>C501 PEDESTRIAN WOOD BRIDGE</del>
C200 GRADING AND DRAINAGE PLAN/PROFILE - POND A	<del>C502 STORM DETAILS</del>
C201 GRADING AND DRAINAGE PLAN/PROFILE - POND B	C503 STORM DETAILS
C202 POND B BYPASS LINE AND CUTOFF TRENCH PLAN/PROFILE	C504 STREET AND STORM DETAILS
C203 GRADING AND DRAINAGE PLAN/PROFILE - 145TH	FIG5 WETLAND MITIGATION GRADING PLAN
<del>C204 GRADING AND DRAINAGE PLAN/PROFILE - CALLAHAN RD</del>	FIG8 WETLAND MITIGATION PLANTING PLAN
C205 GRADING AND DRAINAGE PLAN/PROFILE - SWALE A	
C206 GRADING AND DRAINAGE PLAN STORM LINE J AND SWALE B	
C206A VERTICAL PROFILE STORM LINE J AND SWALE B	
<del>C207 ACCESS ROAD</del>	
<del>C208 EROSION CONTROL DETAILS</del>	

VERTICAL DATUM: ELEVATIONS ARE BASED ON "TBM #2" AS SHOWN ON THE SE 145TH AVE. (HALF STREET IMPROVEMENTS) CONSTRUCTION PLAN DATED JUNE, 1998 (MOST CURRENT REVISION) BY COMPASS CORPORATION FOR THE CITY OF HAPPY VALLEY. DATUM IS BASED ON NGVD 1929 PER VERTICAL CONTROL FOR THE CLACKAMAS COUNTY SERVICE DISTRICT (PRE 1997). THE ORIGINAL BENCH MARK WAS THE ONE-QUARTER CORNER OF SECTIONS 25/26 (SINCE DESTROYED) AND WAS USED FOR MT. SCOTT SEWER INTERCEPTOR PROJECT AND SUBSEQUENTLY RUN TO SAID "TBM #2" BY COMPASS CORPORATION.

DESIGN INC.  
5415 SW Westgate Dr., Portland Oregon 972213  
503 419-2500 FAX: 503 419-2600

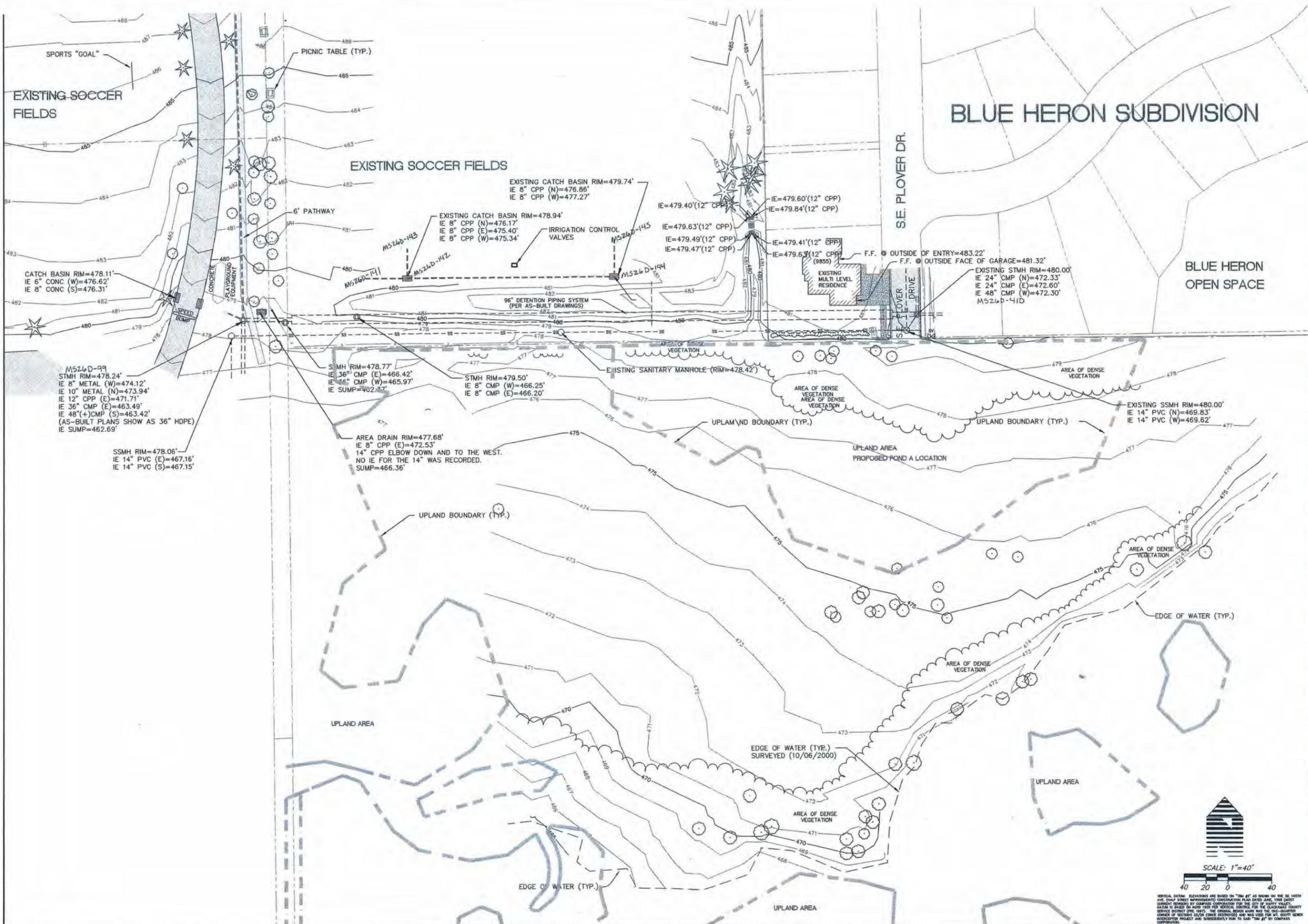
3/21/03  
REGISTERED PROFESSIONAL ENGINEER  
NATHAN P. REIMANN  
EXPIRES 12/31/04

COVER SHEET / PHASE I WETLAND MITIGATION  
PHASE I DRAWINGS  
SUBREGIONAL DETENTION FACILITIES/WETLAND MITIGATION  
CLACKAMAS COUNTY - SERVICE DISTRICT #1  
9101 SE SUNNYBROOK BLVD., CLACKAMAS OR 97015

AS-BUILT DRAWING  
10/17/2002  
THESE AS-BUILT DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY THE CONTRACTOR AND OTHERS. THE ENGINEER CERTIFIES THAT THESE PLANS REPRESENT ACTUAL IMPROVEMENTS CONSTRUCTED AND THAT THESE IMPROVEMENTS ARE IN CONFORMANCE WITH GOVERNING JURISDICTIONAL STANDARDS.

PROJECT NO.  
WES2114  
DATE 04/29/2002  
DESIGNED C. JESIC  
ENGINEER J. REIMANN  
CHECKED

SHEET TITLE  
COVER SHEET  
SHEET NUMBER  
C000



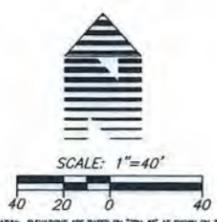
W R G  
 D E S I G N  
 5415 SW Westgate Dr., Suite 100, Portland, OR 97221  
 503 | 419-2500 | 503 | 419-2600  
 PLANNERS • ENGINEERS • LANDSCAPE ARCHITECTS • SURVEYORS



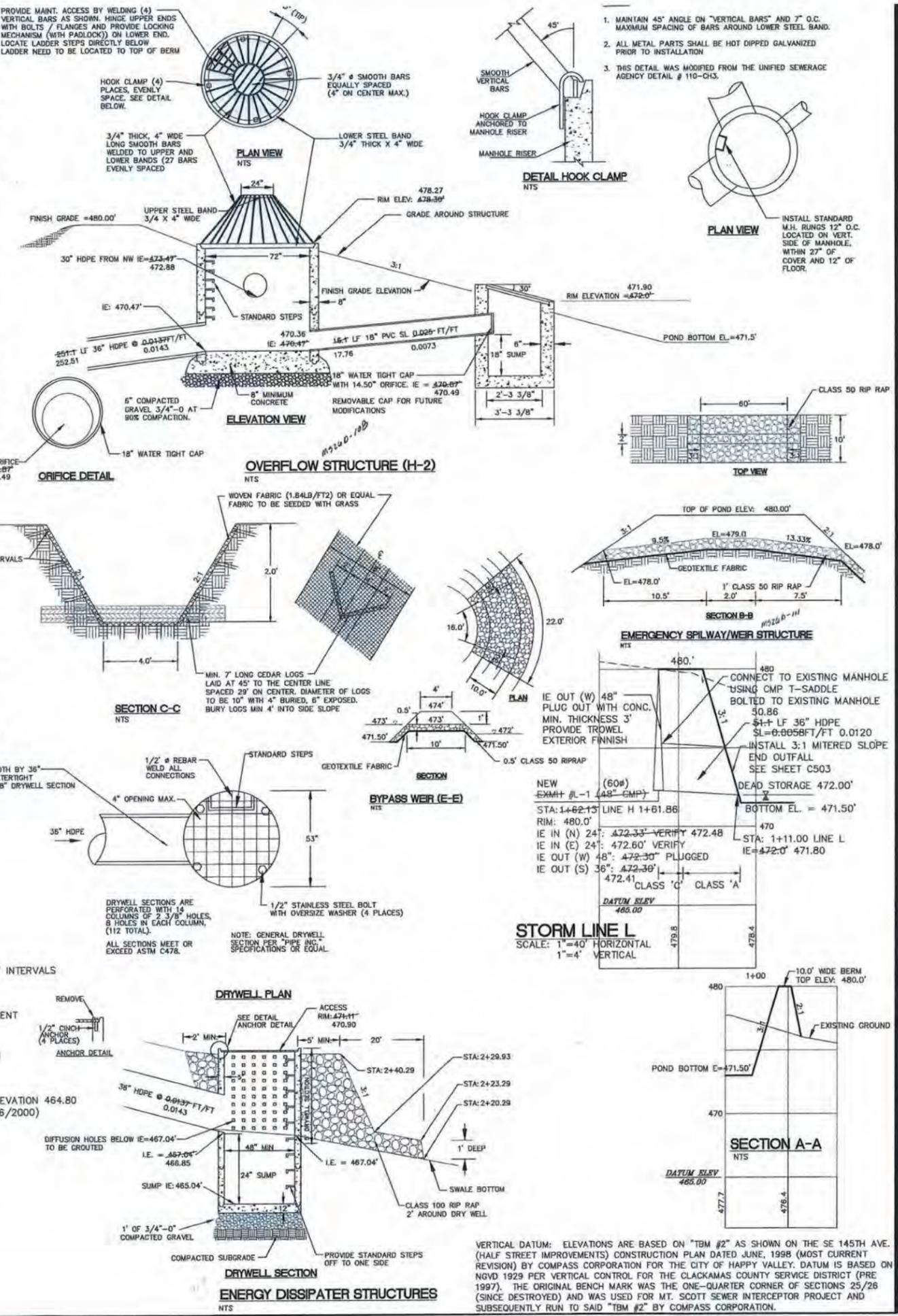
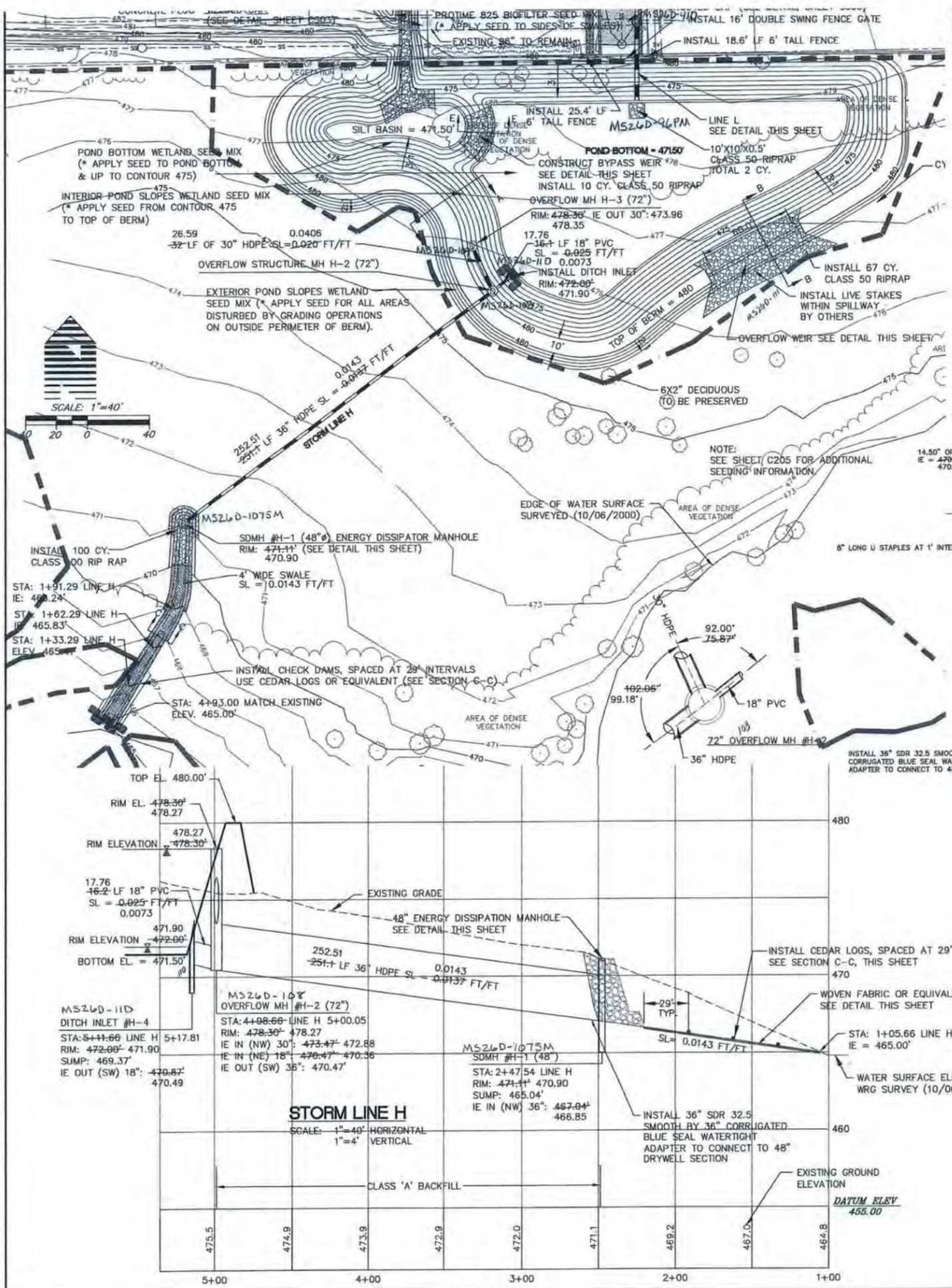
**EXISTING CONDITIONS - POND A**  
 SUBREGIONAL DETENTION FACILITIES/WETLAND MITIGATION  
 CLACKAMAS COUNTY - SERVICE DISTRICT #1  
 9101 SE SUNNYBROOK BLVD., CLACKAMAS OR 97015

**AS-BUILT DRAWING**  
 10/17/2002  
 THESE AS-BUILT DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY THE CONTRACTOR AND OTHERS. THE ENGINEER CERTIFIES THAT THESE PLANS REPRESENT ACTUAL IMPROVEMENTS CONSTRUCTED AND THAT THESE IMPROVEMENTS ARE IN CONFORMANCE WITH GOVERNING JURISDICTIONAL STANDARDS.

PROJECT NO. **WES2114**  
 DATE 04/29/2002  
 DESIGNED C. JESIC  
 ENGINEER J. REIMANN  
 CHECKED  
 SHEET TITLE **EX. CONDITION**  
 SHEET NUMBER **C100**



VERTICAL DATUM: ELEVATIONS ARE BASED ON "BM #1" AS SHOWN ON THE SE. 14TH AND SE. 14TH STREET IMPROVEMENTS CONSTRUCTION PLAN DATED JUNE, 1998 (SEE SHEET WES2114) BY COMPASS CORPORATION FOR THE CITY OF HAPPY VALLEY. DATA IS BASED ON A SURVEY FOR METEOROLOGICAL CONTROL FOR THE CLACKAMAS COUNTY SERVICE DISTRICT (PRE 1997). THE ORIGINAL BENCH MARK WAS THE ONE-QUARTER CORNER OF SECTION 23.0N (LINE DESTROYED) AND WAS USED FOR SETTING BENCH MARKS FOR THIS PROJECT AND SUBSEQUENTLY RUN TO SAID "BM #1" BY COMPASS CORPORATION.



**GRADING AND DRAINAGE PLAN/PROFILE POND A**

**SUBREGIONAL DETENTION FACILITIES/WETLAND MITIGATION CLACKAMAS COUNTY - SERVICE DISTRICT #1**

9101 SE SUNNYBROOK BLVD., CLACKAMAS OR 97015

**REGISTERED PROFESSIONAL ENGINEER**  
THAN P. REIMANN  
EXPIRES 12/31/04

**AS-BUILT DRAWING**  
10/17/2002

THESE AS-BUILT DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY THE CONTRACTOR AND OTHERS. THE ENGINEER CERTIFIES THAT THESE PLANS REPRESENT ACTUAL IMPROVEMENTS CONSTRUCTED AND THAT THESE IMPROVEMENTS ARE IN CONFORMANCE WITH GOVERNING JURISDICTIONAL STANDARDS.

PROJECT NO. **WES2114**

DATE **04/29/2002**

DESIGNED BY **C. JESIC**

ENGINEER **J. REIMANN**

CHECKED

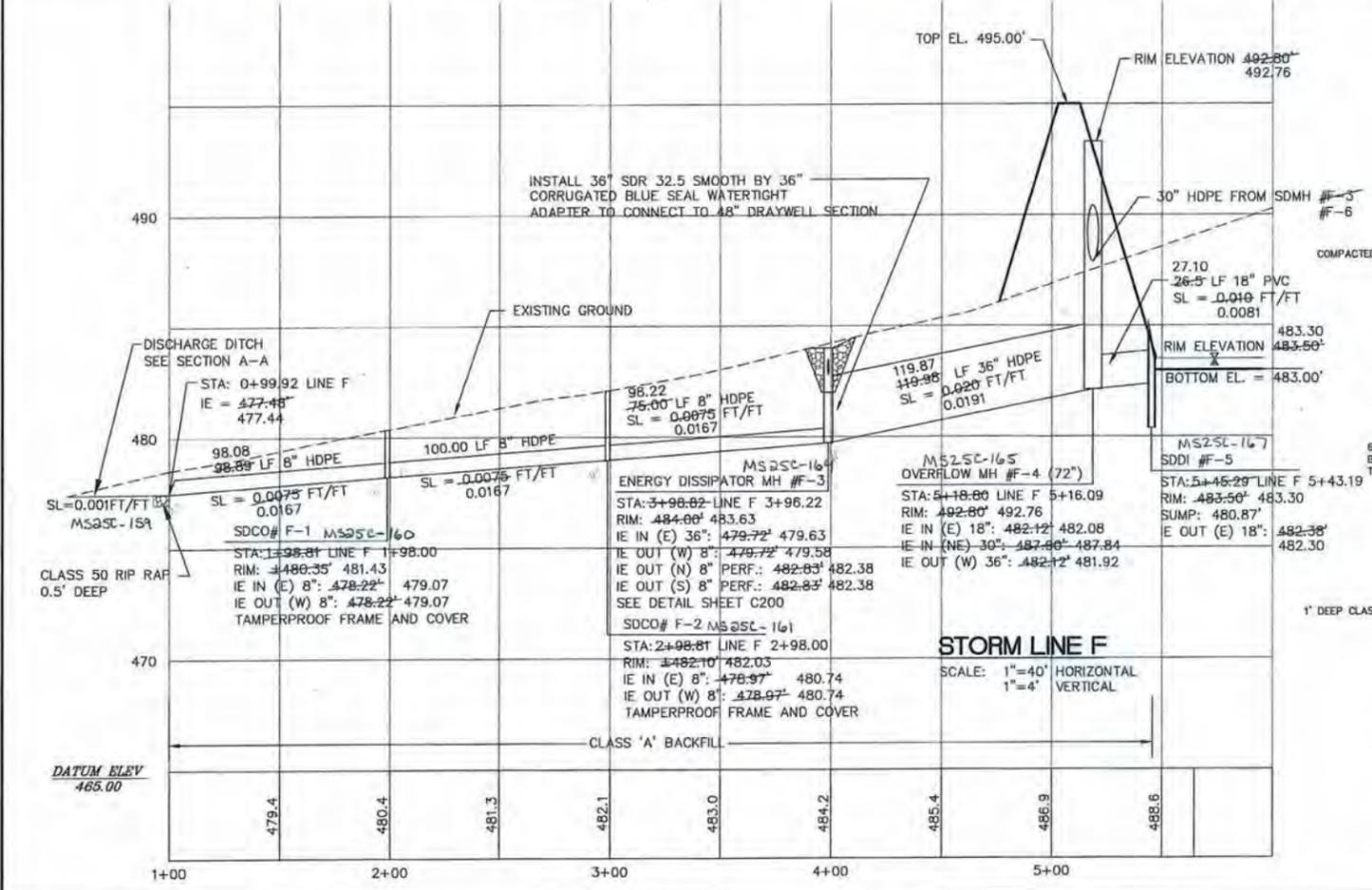
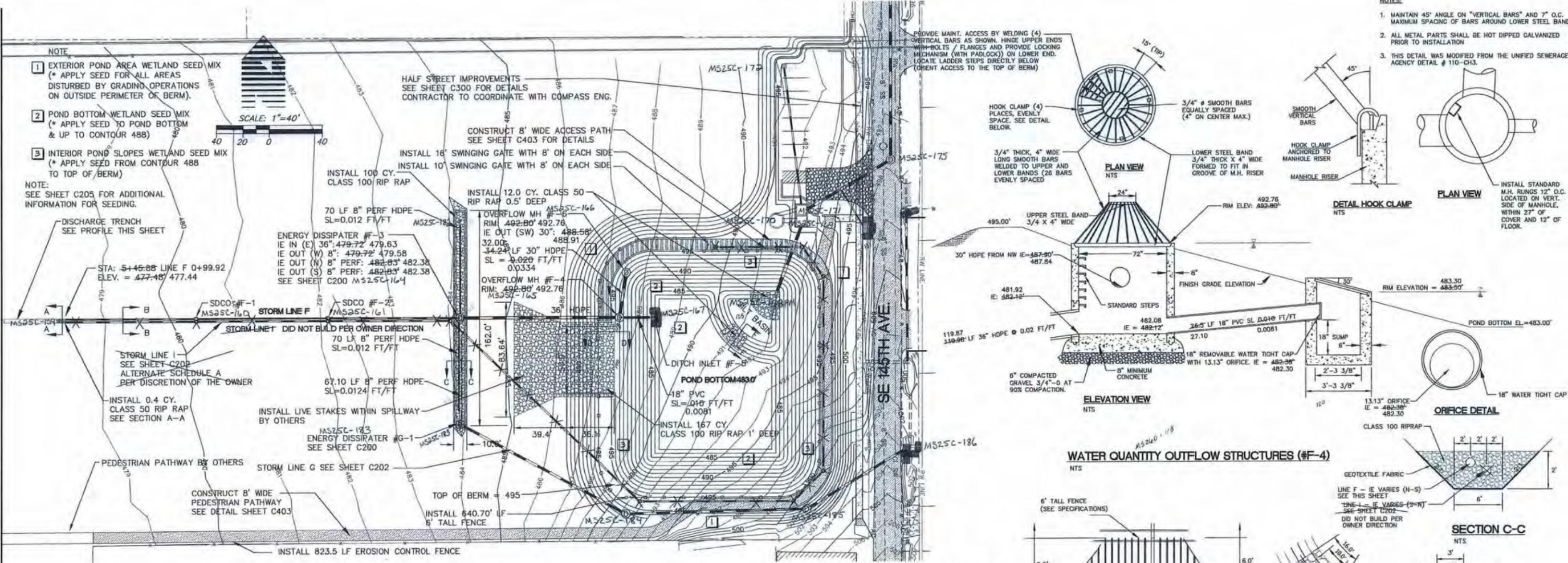
SHEET TITLE **GRADING/DRAIN.**

SHEET NUMBER **C200**

**MS187E**

PLANNERS + ENGINEERS + LANDSCAPE ARCHITECTS + SURVEYORS

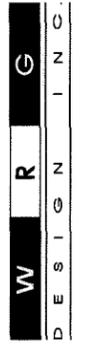
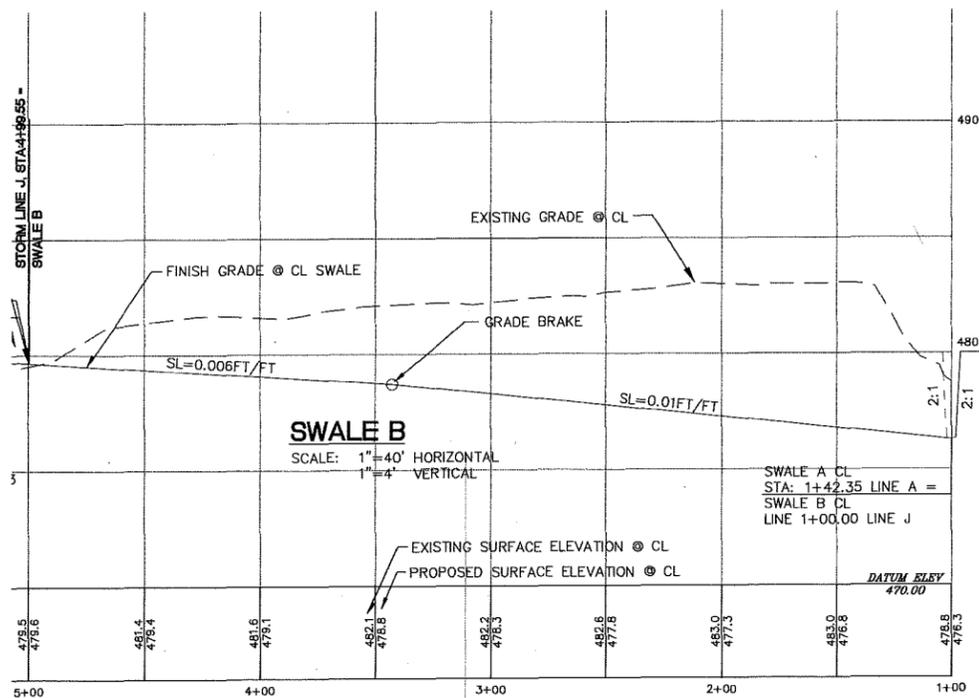
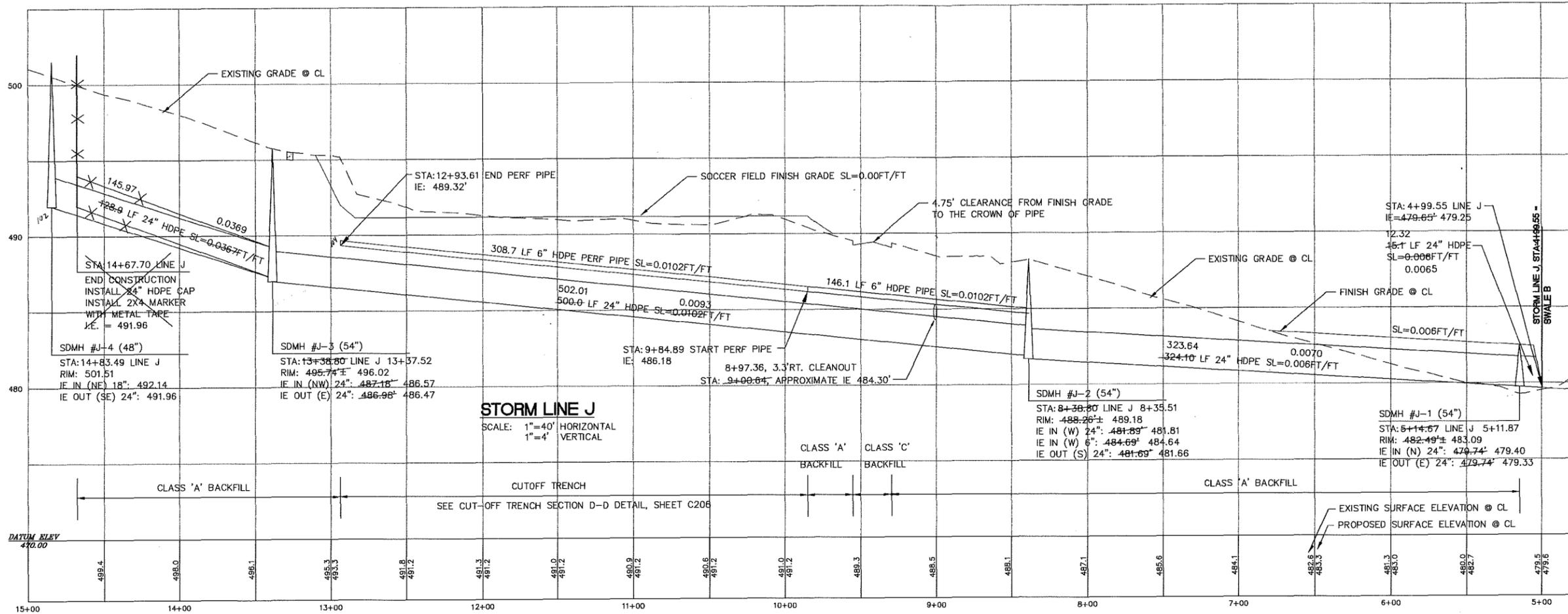
5415 SW Westgate Dr., Suite 100, Portland, OR 97221  
503 | 419-2500  
503 | 419-2600











5415 SW Westgate Dr., Suite 100, Portland, OR 97221  
503 | 419-2500 FAX: 503 | 419-2600  
PLANNERS • ENGINEERS • LANDSCAPE ARCHITECTS • SURVEYORS



**VERTICAL PROFILE STORM LINE J AND SWALE B**

**SUBREGIONAL DETENTION FACILITIES/WETLAND MITIGATION  
CLACKAMAS COUNTY - SERVICE DISTRICT #1**  
91D1 SE SUNNYBROOK BLVD., CLACKAMAS OR 97015

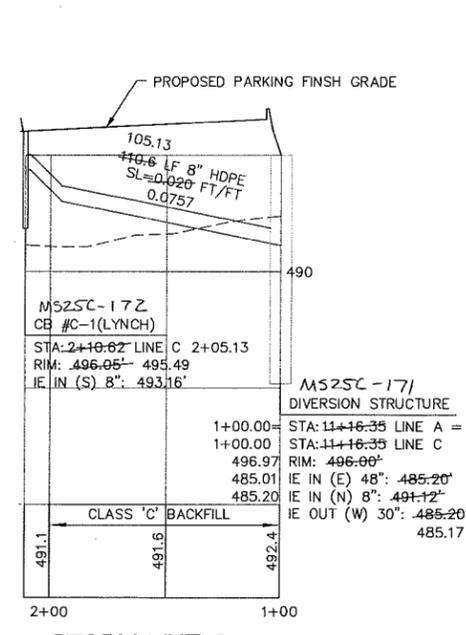
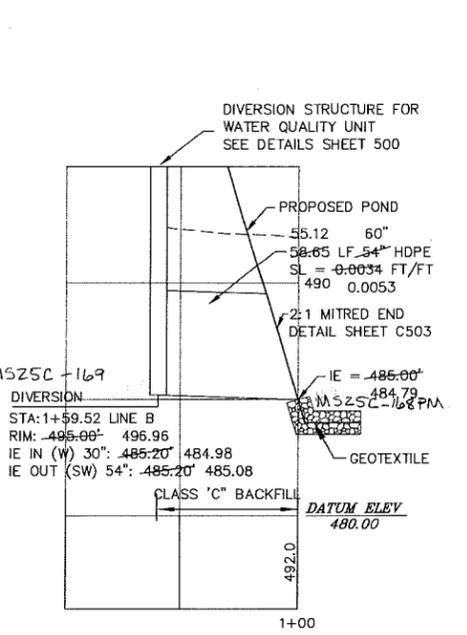
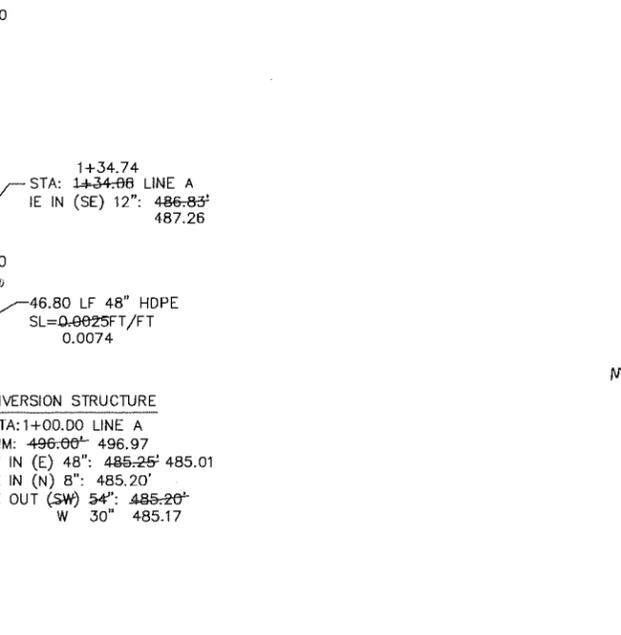
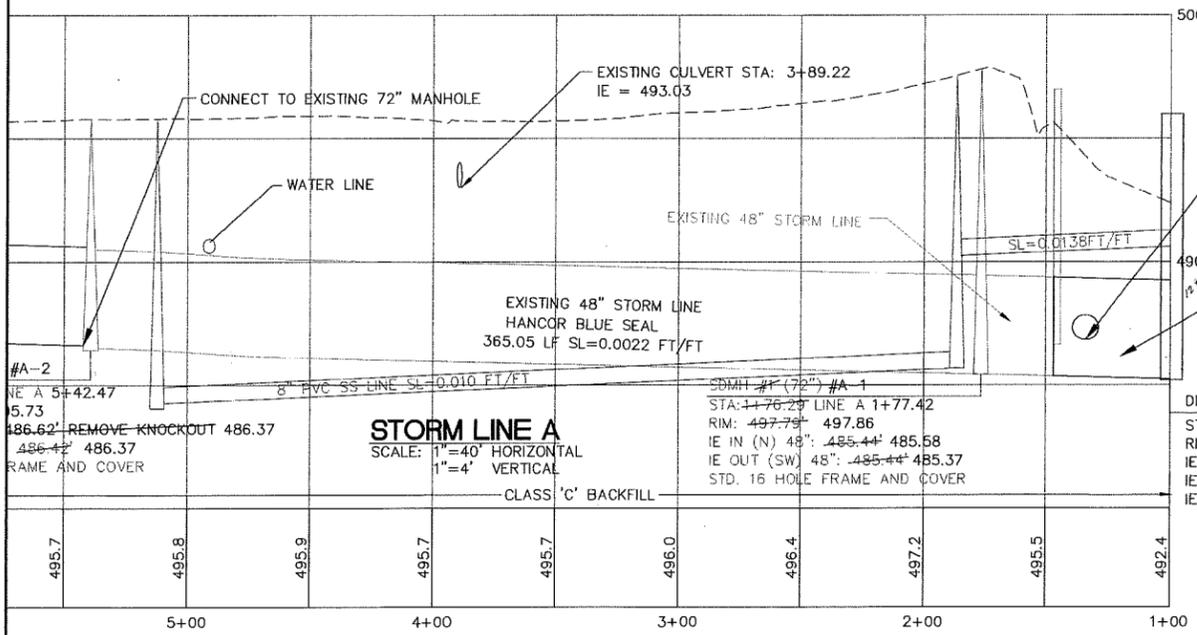
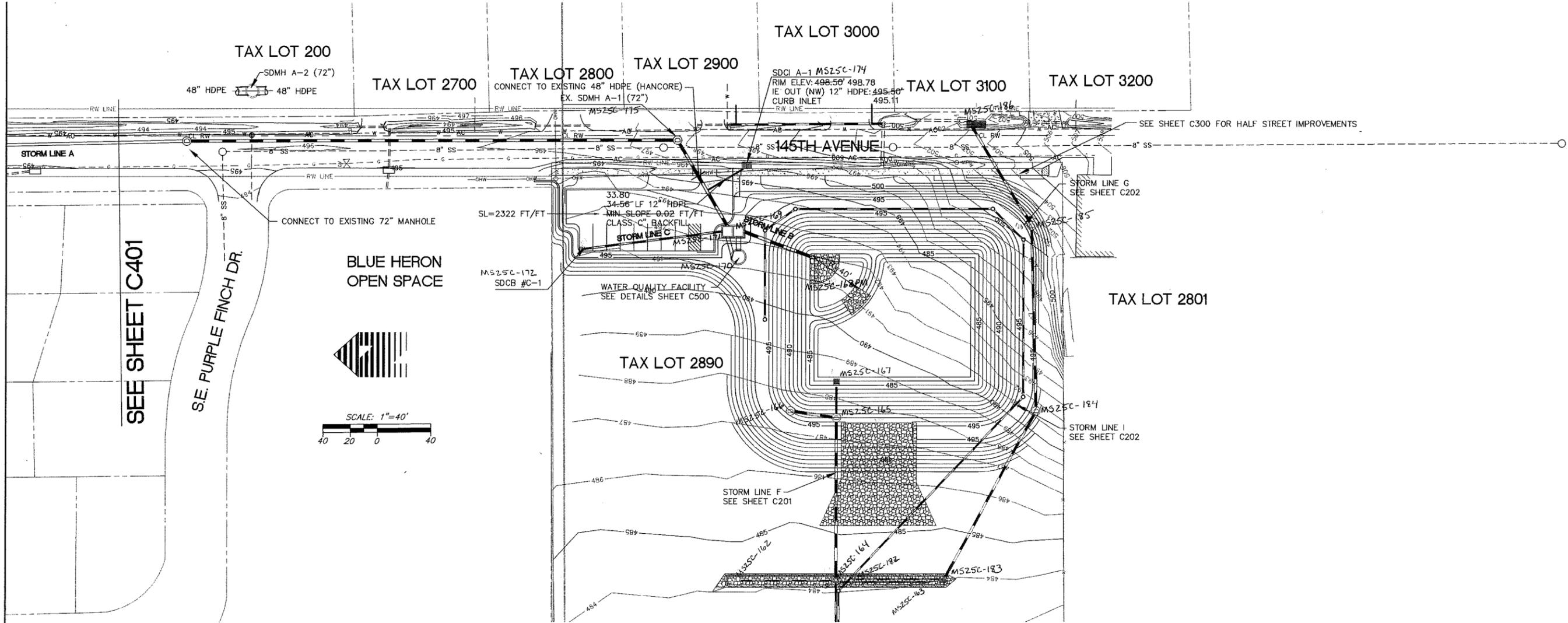
**AS-BUILT  
DRAWING**

10/17/2002  
THESE AS-BUILT DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY THE CONTRACTOR AND OTHERS. THE ENGINEER CERTIFIES THAT THESE PLANS REPRESENT ACTUAL IMPROVEMENTS CONSTRUCTED AND THAT THESE IMPROVEMENTS ARE IN CONFORMANCE WITH GOVERNING JURISDICTIONAL STANDARDS.

PROJECT NO. **WES2114**  
DATE **04/29/2002**  
DESIGNED **C. JESIC**  
ENGINEER **J. REIMANN**  
CHECKED

SHEET TITLE **GRADING/DRAIN.**  
SHEET NUMBER

**C206A**



Station	Elevation (ft)	Notes
5+00	495.7	RM AND COVER
4+00	495.8	
3+00	495.9	
2+00	495.7	
1+00	495.7	
5+00	496.0	
4+00	496.4	
3+00	497.2	
2+00	495.5	
1+00	492.4	

0  
 1  
 2  
 3  
 4  
 5  
 6  
 7  
 8  
 9  
 10  
 11  
 12  
 13  
 14  
 15  
 16  
 17  
 18  
 19  
 20  
 21  
 22  
 23  
 24  
 25  
 26  
 27  
 28  
 29  
 30  
 31  
 32  
 33  
 34  
 35  
 36  
 37  
 38  
 39  
 40  
 41  
 42  
 43  
 44  
 45  
 46  
 47  
 48  
 49  
 50  
 51  
 52  
 53  
 54  
 55  
 56  
 57  
 58  
 59  
 60  
 61  
 62  
 63  
 64  
 65  
 66  
 67  
 68  
 69  
 70  
 71  
 72  
 73  
 74  
 75  
 76  
 77  
 78  
 79  
 80  
 81  
 82  
 83  
 84  
 85  
 86  
 87  
 88  
 89  
 90  
 91  
 92  
 93  
 94  
 95  
 96  
 97  
 98  
 99  
 100

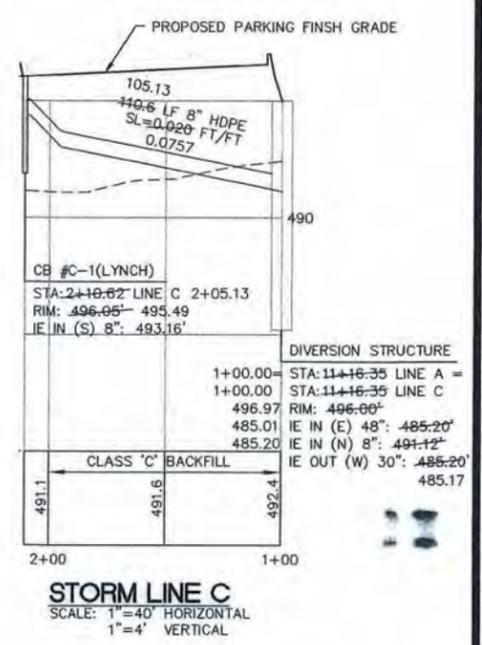
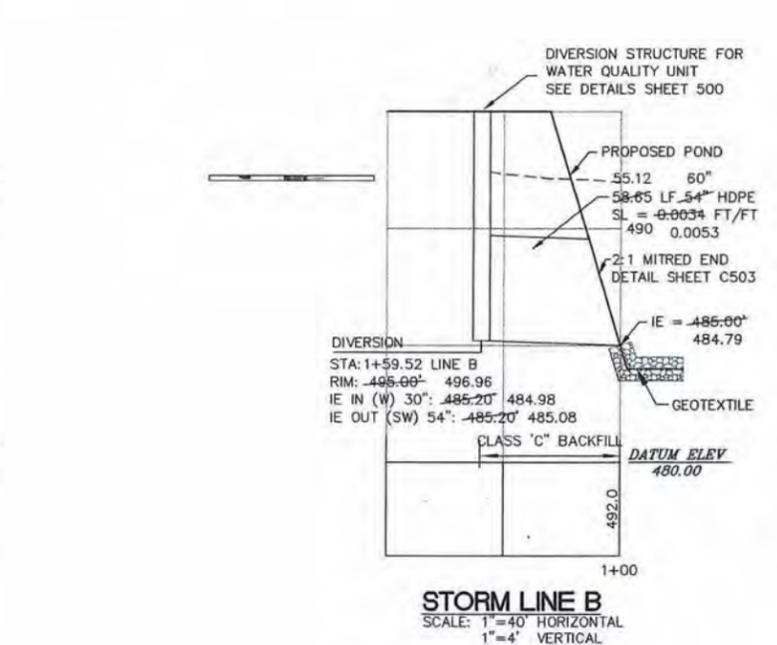
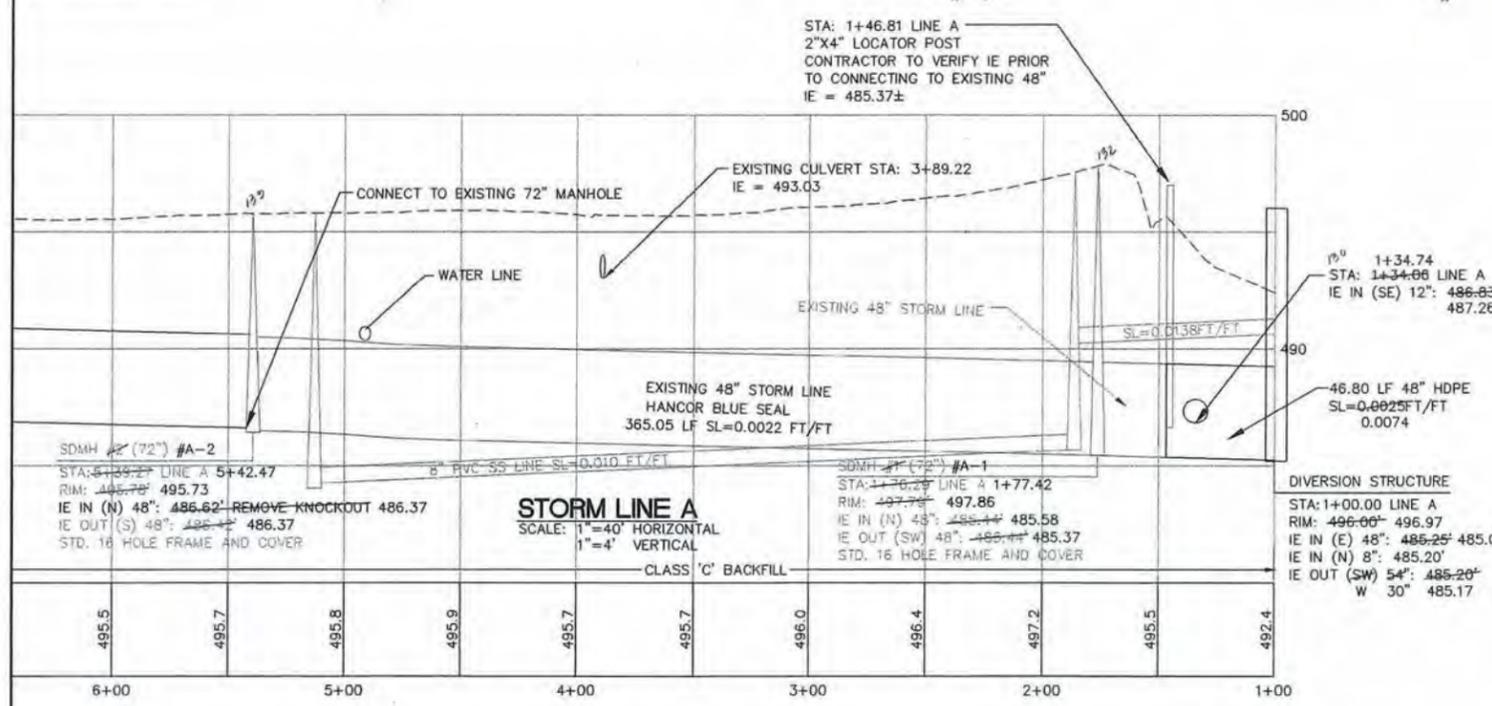
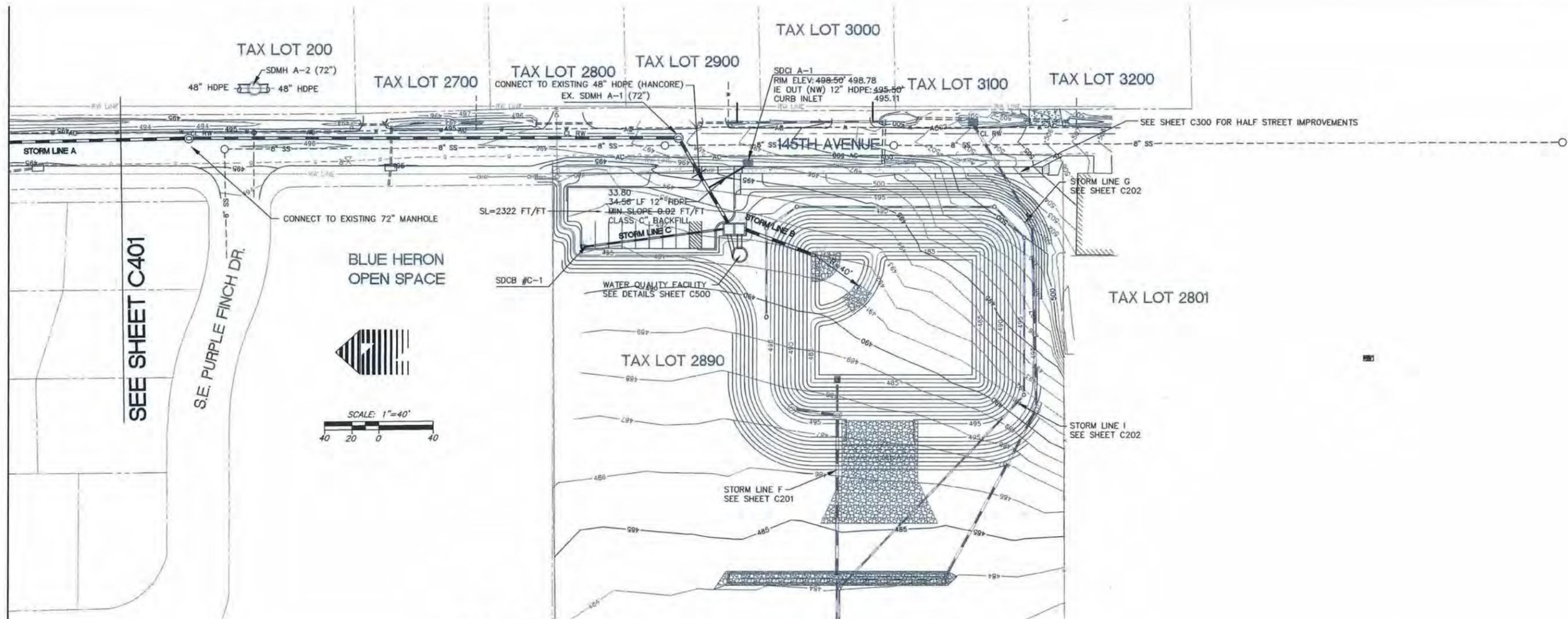
REGISTERED PROFESSIONAL ENGINEER  
 NATHAN P. REIMANN  
 EXPIRES 12/31/04

**STORM PLAN AND PROFILE - 145TH**  
 SUBREGIONAL DETENTION FACILITIES/WETLAND MITIGATION  
 CLACKAMAS COUNTY - SERVICE DISTRICT #1  
 9101 SE SUNNYBROOK BLVD., CLACKAMAS OR 97015

**AS-BUILT DRAWING**  
 10/17/2002  
 THESE AS-BUILT DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY THE CONTRACTOR AND OTHERS. THE ENGINEER CERTIFIES THAT THESE PLANS REPRESENT ACTUAL IMPROVEMENTS CONSTRUCTED AND THAT THESE IMPROVEMENTS ARE IN CONFORMANCE WITH GOVERNING JURISDICTIONAL STANDARDS.

PROJECT NO. **WES2114**  
 DATE **04/29/2002**  
 DESIGNED BY **C. JESIC**  
 ENGINEER **J. REIMANN**  
 CHECKED  
 SHEET TITLE **STORM**  
 SHEET NUMBER **C400**

VERTICAL DATUM: ELEVATIONS ARE BASED ON "TBM #2" AS SHOWN ON THE SE 145TH AVE. (HALF STREET IMPROVEMENTS) CONSTRUCTION PLAN DATED JUNE, 1998 (MOST CURRENT REVISION) BY COMPASS CORPORATION FOR THE CITY OF HAPPY VALLEY. DATUM IS BASED ON NGVD 1929 PER VERTICAL CONTROL FOR THE CLACKAMAS COUNTY SERVICE DISTRICT (PRE 1997). THE ORIGINAL BENCH MARK WAS THE ONE-QUARTER CORNER OF SECTIONS 25/26 (SINCE DESTROYED) AND WAS USED FOR MT. SCOTT SEWER INTERCEPTOR PROJECT AND SUBSEQUENTLY RUN TO SAID "TBM #2" BY COMPASS CORPORATION.



W  
 E  
 S  
 T  
 I  
 N  
 G  
 S  
 U  
 R  
 V  
 E  
 R  
 S

5415 SW Westgate Dr., Suite 100, Portland, OR 9722  
 503 | 419-2500  
 503 | 419-2600  
 PLANNERS • ENGINEERS • LANDSCAPE ARCHITECTS • SURVEYORS



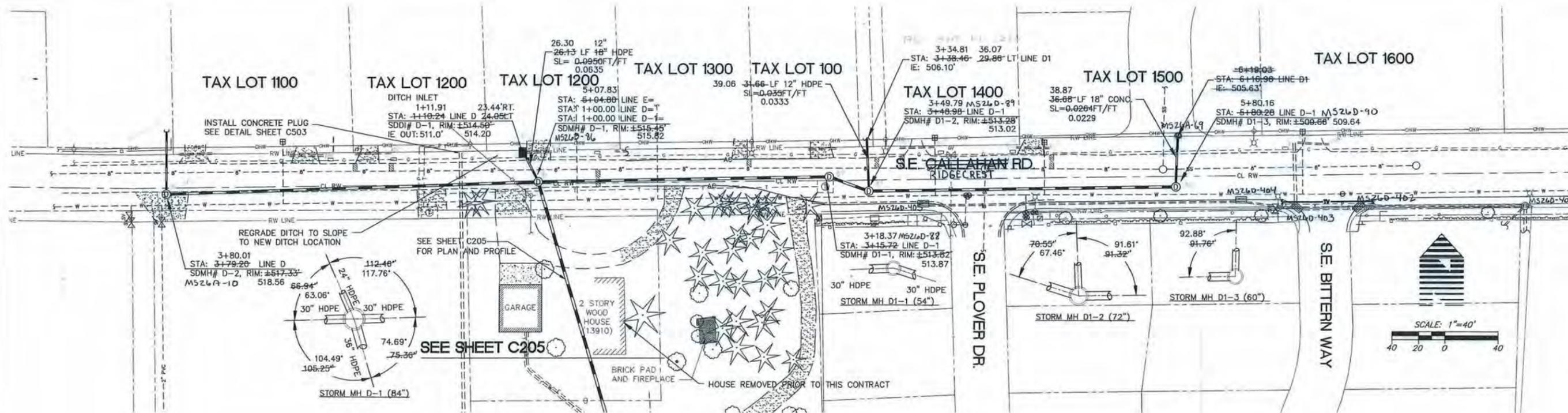
**STORM PLAN AND PROFILE - 145TH**  
**SUBREGIONAL DETENTION FACILITIES/WETLAND MITIGATION**  
**CLACKAMAS COUNTY - SERVICE DISTRICT #1**  
 9101 SE SUNNYBROOK BLVD., CLACKAMAS OR 97015

**AS-BUILT DRAWING**  
 10/17/2002  
 THESE AS-BUILT DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY THE CONTRACTOR AND OTHERS. THE ENGINEER CERTIFIES THAT THESE PLANS REPRESENT ACTUAL IMPROVEMENTS CONSTRUCTED AND THAT THESE IMPROVEMENTS ARE IN CONFORMANCE WITH GOVERNING JURISDICTIONAL STANDARDS.

PROJECT NO.  
**WES2114**  
 DATE 04/29/2002  
 DESIGNED C. JESIC  
 ENGINEER J. REIMANN  
 CHECKED

SHEET TITLE  
**STORM**  
 SHEET NUMBER  
**C400**

VERTICAL DATUM: ELEVATIONS ARE BASED ON "TBM #1" AS SHOWN ON THE SE 145TH AVE. GULF STREET IMPROVEMENTS CONSTRUCTION PLAN DATED JUNE, 1998 (NOT CURRENT REVISION) BY COMPASS CORPORATION FOR THE CITY OF HAPPY VALLEY. DATUM IS BASED ON BENCH MARK FOR VERTICAL CONTROL FOR THE CLACKAMAS COUNTY SERVICE DISTRICT (PRE 1997). THE ORIGINAL BENCH MARK WAS THE ONE-QUARTER CORNER OF SECTION 23/04 (ORANGE RECTIFIED) AND WAS USED FOR ALL SCOTT TOWER INTERSECTION PROJECT AND SUBSEQUENTLY RAN TO SAID "TBM #1" BY COMPASS CORPORATION.

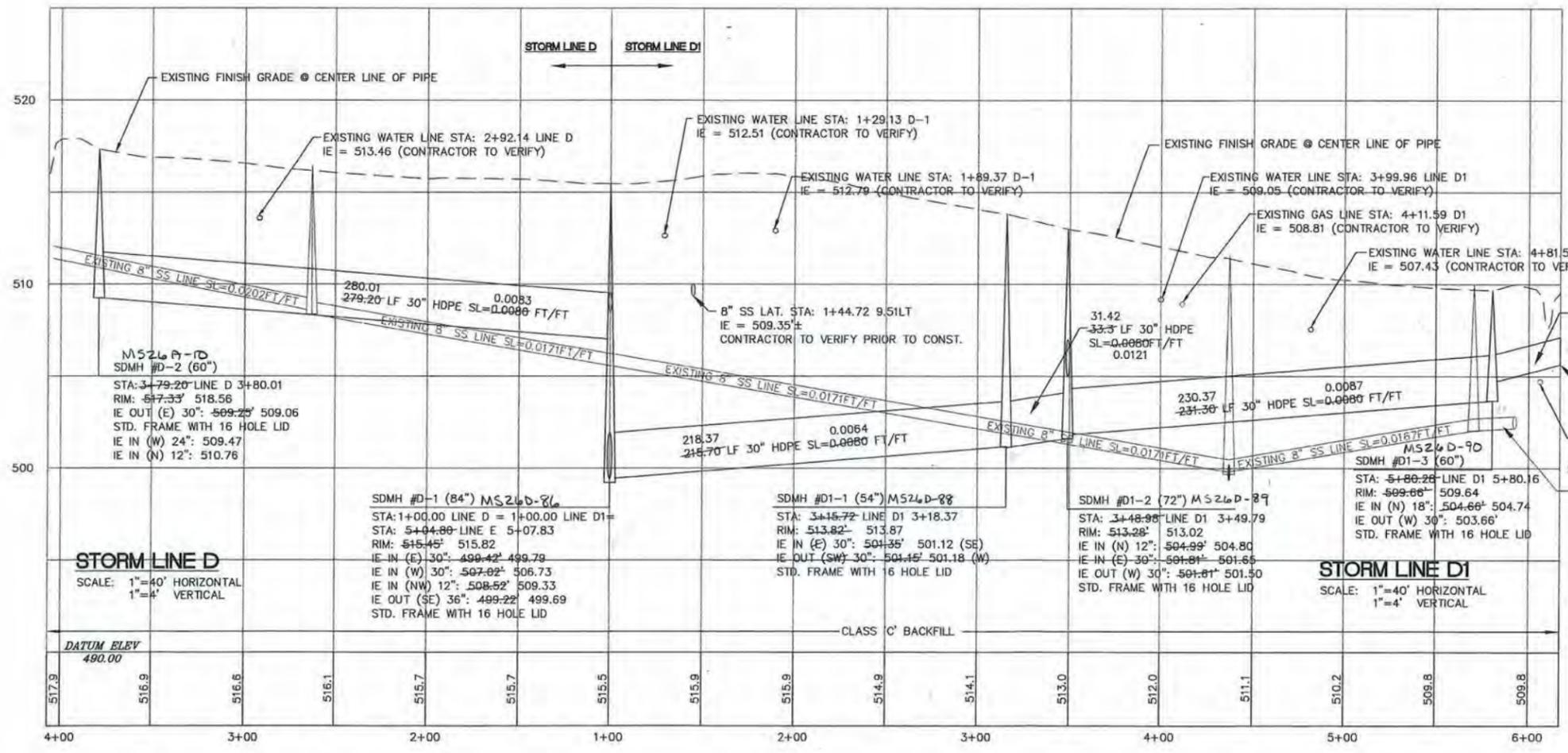
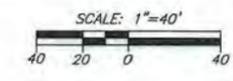


TAX LOT 1600

W  
R  
Z  
E  
D

5415 SW Westgate Dr., Suite 100, Portland, OR 97221  
503 | 419-2500  
503 | 419-2600

PLANNERS + ENGINEERS + LANDSCAPE ARCHITECTS + SURVEYORS



**STORM PLAN AND PROFILE - CALLAHAN**

SUBREGIONAL DETENTION FACILITIES/WETLAND MITIGATION  
CLACKAMAS COUNTY - SERVICE DISTRICT #1

**AS-BUILT DRAWING**  
10/17/2002

THESE AS-BUILT DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY THE CONTRACTOR AND OTHERS. THE ENGINEER CERTIFIES THAT THESE PLANS REPRESENT ACTUAL IMPROVEMENTS CONSTRUCTED AND THAT THESE IMPROVEMENTS ARE IN CONFORMANCE WITH GOVERNING JURISDICTIONAL STANDARDS.

PROJECT NO.  
**WES2114**

DATE 04/29/2002  
DESIGNED C. JESIC  
ENGINEER J. REIMANN  
CHECKED

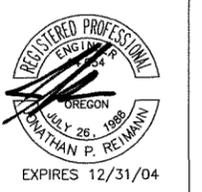
SHEET TITLE  
**STORM**

SHEET NUMBER

**C402**

MS187C

VERTICAL DATUM: ELEVATIONS ARE BASED ON "TBM #2" AS SHOWN ON THE SE 145TH AVE. (HALF STREET IMPROVEMENTS) CONSTRUCTION PLAN DATED JUNE, 1998 (MOST CURRENT REVISION) BY COMPASS CORPORATION FOR THE CITY OF HAPPY VALLEY. DATUM IS BASED ON NGVD 1929 PER VERTICAL CONTROL FOR THE CLACKAMAS COUNTY SERVICE DISTRICT (PRE 1997). THE ORIGINAL BENCH MARK WAS THE ONE-QUARTER CORNER OF SECTIONS 25/26 (SINCE DESTROYED) AND WAS USED FOR MT. SCOTT SEWER INTERCEPTOR PROJECT AND SUBSEQUENTLY RUN TO SAID "TBM #2" BY COMPASS CORPORATION.



**WATER QUALITY STRUCTURE  
REGIONAL DETENTION FACILITIES**

SUB REGIONAL DETENTION FACILITIES/WETLAND MITIGATION  
CLACKAMAS COUNTY - SERVICE DISTRICT #1  
9101 SE SUNNYBROOK BLVD., CLACKAMAS OR 97015

**AS-BUILT  
DRAWING**  
10/17/2002

THESE AS-BUILT DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY THE CONTRACTOR AND OTHERS. THE ENGINEER CERTIFIES THAT THESE PLANS REPRESENT ACTUAL IMPROVEMENTS CONSTRUCTED AND THAT THESE IMPROVEMENTS ARE IN CONFORMANCE WITH GOVERNING JURISDICTIONAL STANDARDS.

PROJECT NO.  
**WES2114**

DATE | 04/29/2002  
DESIGNED | C. JESIC  
ENGINEER | J. REIMANN  
CHECKED |

SHEET TITLE  
**DETAILS**

SHEET NUMBER  
**C500**

MS187.1

- Notes**
- THIS DRAWING IS A LEDGER SIZE ORIGINAL.
  - DIMENSIONS ARE GENERAL AND INTENDED FOR GUIDANCE ONLY.
  - THE ORIENTATION OF INLET PIPE AND OVERFLOW PIPE CAN BE ADJUSTED TO SITE REQUIREMENTS. SEE SITE PLAN FOR ORIENTATION OF INLET AND OVERFLOW PIPES.
  - INLET PIPE MUST BE TANGENT TO CONCRETE MANHOLE.
  - OVERFLOW PIPE STUB O.D. MATCHES ADS.
  - MASONRY FIXING BOLTS TO BE SUPPLIED BY CONCRETE SUPPLIER.

A	MPW 7/22/99	FIRST ISSUE	
Rev	By	Date	Description
		4/25/01	NTS
Date		Scale	
Drawn by		Checked Eng.	
Checked Prod.		Approved by	

Title  
10 FT. DIA.  
DOWNSTREAM DEFENDER™  
HAPPY VALLEY  
CLACKAMAS COUNTY, OR

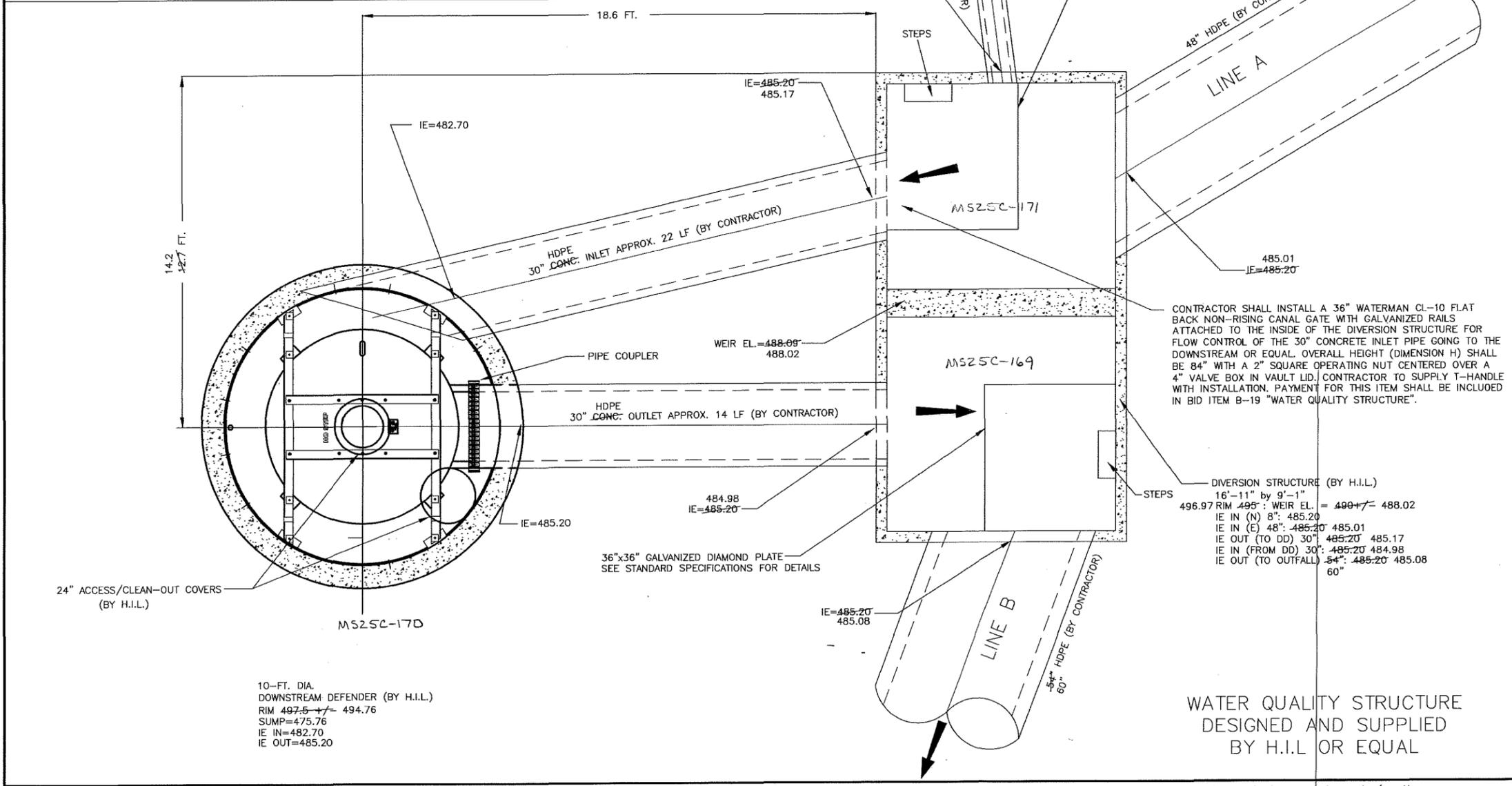
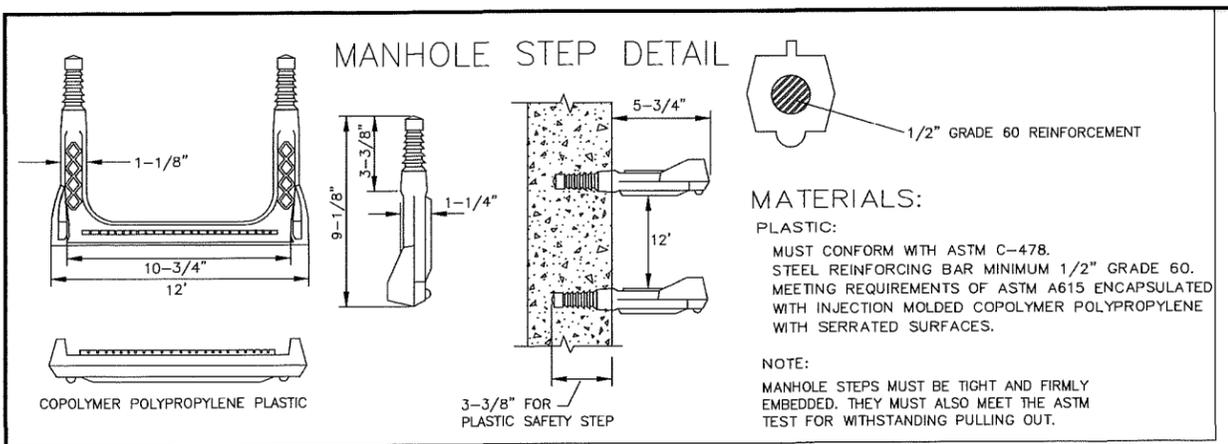
PLAN VIEW

**H.I.L.  
TECHNOLOGY  
INC.**

H.I.L. TECHNOLOGY INC.  
94 Hutchins Drive  
Portland, Maine 04102  
TEL - (207) 756-6200  
FAX - (207) 756-6212  
E-mail: HILTECH@HIL-TECH.COM

CAD Ref: 10qa1a

Wipe No. 2000-332  
Drawing No. 10GA1 Rev. 4



WATER QUALITY STRUCTURE  
DESIGNED AND SUPPLIED  
BY H.I.L. OR EQUAL

© 1994 Hydro International Ltd. Any warranty given by Hydro International Limited ("HIL") will apply only to those items supplied by it. Accordingly HIL cannot accept any responsibility for any structure, plant, or equipment, (or the performance there-of) designed, built, manufactured, or supplied by any third party. HIL have a policy of continuous product development and reserve the right to amend the specification. HIL cannot accept liability for performance of its equipment, (or any part there-of), if the equipment is subject to conditions outside any design specification. HIL owns the copyright of this drawing, which is supplied in confidence. It must not be used for any purpose other than that for which it is supplied and must not be reproduced, in whole or in part, without prior permission in writing from HIL.

## **SAMPLE CONTRACT FORM**

### **GOODS AND SERVICES CONTRACT**

This Goods and Services Contract (“Contract”) is entered into between XXXXX (“Contractor”), and Clackamas County Service District No. 1 a political subdivisions of the State of Oregon (“District”) for the purposes of providing Detention Pond Maintenance.

#### **I. TERM**

This Contract shall become effective upon signature of both parties and shall remain in effect until XXXXX. This Contract and any amendments to this Contract will not be effective until approved in writing by an authorized representative of the Board of County Commissioners of Clackamas County acting as the Governing Body for the District. This Contract supersedes and cancels any prior contracts between the parties hereto for similar services.

#### **II. SCOPE**

This Contract consists of the following documents which are listed in descending order of precedence and are attached and incorporated by reference, this Contract, the Request for Quotes for Detention Pond Maintenance issued on August 17, 2016, attached as Attachment “A”, and the Contractor’s Quote attached as Attachment “B.” Work shall be performed in accordance with a schedule approved by the District. The Contractor shall meet the highest standards prevalent in the industry or business most closely involved in providing the appropriate goods or services.

#### **III. COMPENSATION**

The District agree to compensate the Contractor on a fee-for-services basis as detailed in this Contract. Invoices submitted for payment in connection with this Contract shall be properly documented and shall indicate pertinent District contract and/or purchase order numbers. All charges shall be billed monthly and will be paid net thirty (30) days from receipt of invoice. The maximum annual compensation authorized under this Contract shall not exceed \$XXXX.

#### **IV. CONTRACT PROVISIONS**

**1. ACCESS TO RECORDS.** Contractor shall maintain books, records, documents, and other evidence and accounting procedures and practices sufficient to reflect properly all costs of whatever nature claimed to have been incurred and anticipated to be incurred in the performance of this Contract. District and their duly authorized representatives shall have access to the books, documents, papers, and records of Contractor which are directly pertinent to this Contract for the purpose of making audit, examination, excerpts, and transcripts. Such books and records shall be maintained by Contractor for a minimum of three (3) years, or such longer period as may be required by applicable law, following final payment and termination of this Contract, or until the conclusion of any audit, controversy or litigation arising out of or related to this Contract, whichever date is later.

**2. AVAILABILITY OF FUNDS.** District certify that sufficient funds are available and authorized for expenditure to finance costs of this Contract within its current annual appropriation or expenditure limitation, provided, however, that continuation of this Contract, or any extension, after the end of the fiscal period in which it is written, is contingent on a new appropriation or limitation for each succeeding fiscal period sufficient in amount, in the exercise of the District’s reasonable administrative discretion, to continue to make payments under this Contract.

**3. CAPTIONS.** The captions or headings in this Contract are for convenience only and in no way define, limit, or describe the scope or intent of any provisions of this Contract.

**4. COMPLIANCE WITH APPLICABLE LAW.** Contractor shall comply with all federal, state, county, and local laws, ordinances, and regulations applicable to the work to be done under this Contract. Contractor specifically agrees to comply with all applicable requirements of federal and state civil rights and rehabilitation statutes, rules, and regulations. Contractor shall also comply with the Americans with Disabilities Act of 1990 (Pub. L. No. 101-336), title VI of the civil Rights Act of 1964, Section V of the Rehabilitation Act of 1973, ORS 659A.142, and all regulations and administrative rules established pursuant to those laws. Contractor further agrees to make payments promptly when due, to all persons supplying to such Contractor, labor or materials for the prosecution of the work provided in this Contract; pay all contributions or amounts due the Industrial Accident Funds from such Contractor responsibilities incurred in the performance of this Contract; not permit any lien or claim to be filed or prosecuted against the state on account of any labor or material furnished; pay to the Department of Revenue all sums withheld from employees pursuant to ORS 316.167. If Contractor fails or refuses to make any such payments required herein, the appropriate District official may pay such claim. Any payment of a claim in the manner authorized in this section shall not relieve the Contractor or Contractor's surety from obligation with respect to unpaid claims. Contractor shall promptly pay any person or entity that furnishes medical care to Contractor's employees those sums which Contractor agreed to pay for such services and all money Contractor collected or deducted from employee's wages to provide such services.

**5. EXECUTION AND COUNTERPARTS.** This Contract may be executed in several counterparts, each of which shall be an original, all of which shall constitute but one and the same instrument.

**6. GOVERNING LAW.** This Contract shall be governed and construed in accordance with the laws of the State of Oregon without regard to principles of conflicts of law. Any claim, action, or suit between District and Contractor that arises out of or relates to the performance of this Contract shall be brought and conducted solely and exclusively within the Circuit Court for Clackamas County, for the State of Oregon. Provided, however, that if any such claim, action, or suit may be brought in a federal forum, it shall be brought and conducted solely and exclusively within the United States District Court for the District of Oregon.

**7. HAZARD COMMUNICATION.** Contractor shall notify District prior to using products containing hazardous chemicals to which District employees may be exposed. Products containing hazardous chemicals are those products defined by Oregon Administrative Rules, Chapter 437. Upon District's request, Contractor shall immediately provide Material Safety Data Sheets for the products subject to this provision.

**8. INDEMNITY, RESPONSIBILITY FOR DAMAGES.** The Contractor agrees to indemnify, hold harmless and defend the District AND Clackamas County, and their officers, commissioners, agents and employees from and against all claims and actions, and all expenses incidental to the investigation and defense thereof, arising out of or based upon damage or injuries to persons or property caused by the errors, omissions, fault or negligence of the Contractor or the Contractor's employees or agents.

**9. INDEPENDENT CONTRACTOR STATUS.** The service(s) to be rendered under this Contract are those of an independent contractor. Although the District reserves the right to determine (and modify) the delivery schedule for the Work to be performed and to evaluate the quality of the completed performance, District cannot and will not control the means or manner of Contractor's performance. Contractor is responsible for determining the appropriate means and manner of performing the work. Contractor is not to be considered an agent or employee of District for any purpose, including, but not limited to: (A) The Contractor will be solely responsible for payment of any Federal or State taxes required as a result of this Contract; (B) This Contract is not intended to entitle the Contractor to any benefits generally granted to the District employees, including, but not limited to, vacation, holiday and sick leave, other leaves with pay, tenure, medical and dental coverage, life and disability insurance, overtime, Social Security, Workers' Compensation, unemployment compensation, or retirement benefits (except insofar as benefits are otherwise required by law

if the Contractor is presently a member of the Oregon Public Employees Retirement System); (C) If the Contractor has the assistance of other persons in the performance of this Contract, and the Contractor is a subject employer, the Contractor shall qualify and remain qualified for the term of this Contract as an insured employer under Oregon Revised Statutes (“ORS”) Chapter 656.

At present, the Contractor certifies that he or she, if an individual is not a program, County, District or Federal employee. The Contractor, if an individual, certifies that he or she is not a member of the Oregon Public Employees Retirement System.

**10. INSURANCE.** Insurance policies, which cannot be excess to a self-insurance program, are to be issued by an insurance company authorized to do business in the State of Oregon. Contractor shall provide insurance as indicated below:

**A. COMMERCIAL GENERAL LIABILITY**

The Contractor agrees to furnish the District evidence of commercial general liability insurance in the amount of not less than \$1,000,000 combined single limit per occurrence/\$2,000,000 general annual aggregate for personal injury and property damage for the protection of the District, its officers, commissioners, agents and employees against liability for damages because of personal injury, bodily injury, death or damage to property, including loss of use thereof, in any way related to this Contract. The general aggregate shall apply separately to this project / location. The District, at its option, may require a complete copy of the above policy.

**B. AUTOMOBILE LIABILITY**

The Contractor agrees to furnish the District evidence of business automobile liability insurance in the amount of not less than \$1,000,000 combined single limit for bodily injury and property damage for the protection of the District, its officers, commissioners, agents and employees against liability for damages because of bodily injury, death or damage to property, including loss of use thereof in any way related to this Contract. The District, at its option, may require a complete copy of the above policy.

**C.** Contractor shall provide District a certificate of insurance naming the District and Clackamas County and their agents, officers, and employees as an additional insured. If Contractor’s insurance policy does not include a blanket endorsement for additional insured status when/where required by written contract (as required in this Contract), the insurance, shall include the District and Clackamas County and their agents, officers, and employees as expressly scheduled additional insured. Use CG 20 10 or its equivalent. Such insurance shall provide sixty (60) days written notice to the District in the event of a cancellation or material change and include a statement that no act on the part of the insured shall affect the coverage afforded to the District under this insurance. This policy(s) shall be primary insurance with respect to the District. Any insurance or self-insurance maintained by the District shall be excess and shall not contribute to it.

**D.** If the Contractor has the assistance of other persons in the performance of this Contract, and the Contractor is a subject employer, the Contractor agrees to qualify and remain qualified for the term of this Contract as an insured employer under ORS 656. The Contractor shall maintain employer’s liability insurance with limits of \$100,000 for each accident, \$100,000 per disease for each employee, and \$500,000 each minimum policy limit.

**E.** If any other required liability insurance is arranged on a “claims made” basis, “tail” coverage will be required at the completion of this Contract for a duration of thirty-six (36) months or the maximum time period the Contractor’s insurer will provide “tail” coverage as subscribed, whichever is greater, or continuous “claims made” liability coverage for thirty-six (36) months following the contract completion. Continuous “claims made” coverage will be acceptable in lieu of “tail” coverage, provided it’s retroactive date is on or before the effective date of this Contract.

**F.** There shall be no cancellation, material change, exhaustion of aggregate limits or intent not to renew insurance coverage without 60 days written notice by the Contractor to the District. This policy(s) shall be primary insurance with respect to the District. Any insurance or self-insurance maintained by the District shall be excess and shall not contribute to it.

**G.** Contractor shall require that all of its subcontractors of any tier provide insurance coverage (including additional insured provisions) and limits identical to the insurance required of the Contractor under this Contract, unless this requirement is expressly modified or waived by the District.

**11. LIMITATION OF LIABILITIES.** Except for liability arising under or related to sections 14(A) or 22(B), neither party shall be liable for (i) any indirect, incidental, consequential or special damages under this Contract or (ii) any damages of any sort arising solely from the termination of this Contract in accordance with its terms. This Contract is expressly subject to the debt limitation of Oregon counties set forth in Article XI, Section 10, of the Oregon Constitution, and is contingent upon funds being appropriated therefore. Any provisions herein which would conflict with law are deemed inoperative to that extent.

**12. NOTICES.** Except as otherwise expressly provided in this Contract, any communications between the parties hereto or notices to be given hereunder shall be given in writing by personal delivery, facsimile, or mailing the same, postage prepaid, to Contractor or District at the address or number set forth on the signature page of this Contract, or to such other addresses or numbers as either party may hereafter indicate. Any communication or notice so addressed and mailed shall be deemed to be given five (5) days after mailing. Any such communication or notice delivered by facsimile shall be deemed to be given when receipt of transmission is generated by the transmitting machine. To be effective against District, such facsimile transmission must be confirmed by telephone notice to District's supervising representative. Any communication or notice by personal delivery shall be deemed to be given when actually delivered.

**13. OWNERSHIP OF WORK PRODUCT.** All work product of Contractor that results from this Contract (the "Work Product") is the exclusive property of District. District and Contractor intend that such Work Product be deemed "work made for hire" of which District shall be deemed the author. If for any reason the Work Product is not deemed "work for hire," Contractor hereby irrevocably assigns to District all of its right, title, and interest in and to any and all of the Work Product, whether arising from copyright, patent, trademark or trade secret, or any other state or federal intellectual property law or doctrine. Contractor shall execute such further documents and instruments as District may reasonably request in order to fully vest such rights in District. Contractor forever waives any and all rights relating to the Work Product, including without limitation, any and all rights arising under 17 USC § 106A or any other rights of identification of authorship or rights of approval, restriction or limitation on use or subsequent modifications.

**14. REPRESENTATIONS AND WARRANTIES.** Contractor represents and warrants to District that (1) Contractor has the power and authority to enter into and perform this Contract; (2) this Contract, when executed and delivered, shall be a valid and binding obligation of Contractor enforceable in accordance with its terms; (3) the Work under this Contract shall be performed in a good and workmanlike manner and in accordance with the highest professional standards; and (4) Contractor shall at all times during the term of this Contract, be qualified, professionally competent, and duly licensed to perform the Work. The warranties set forth in this section are in addition to, and not in lieu of, any other warranties provided.

**15. SURVIVAL.** All rights and obligations shall cease upon termination or expiration of this Contract, except for the rights and obligations set forth in the Section VI and the following Sections of Section III: 1, 6, 8, 11, 13, 14, 15, and 21.

**16. SEVERABILITY.** If any term or provision of this Contract is declared by a court of competent jurisdiction to be illegal or in conflict with any law, the validity of the remaining terms and provisions shall not be affected, and the rights and obligations of the parties shall be construed and enforced as if the Contract did not contain the particular term or provision held to be invalid.

**17. SUBCONTRACTS AND ASSIGNMENTS.** Contractor shall not enter into any subcontracts for any of the work required by this Contract, or assign or transfer any of its interest in this Contract, without obtaining prior written approval from the District. In addition to any provisions the District may require, Contractor

shall include in any permitted subcontract under this Contract a requirement that the subcontractor be bound by this section and Sections 1, 8, 13, and 26 as if the subcontractor were the Contractor. District's consent to any subcontract shall not relieve Contractor of any of its duties or obligations under this Contract.

**18. SUCCESSORS IN INTEREST.** The provisions of this Contract shall be binding upon and shall inure to the benefit of the parties hereto, and their respective authorized successors and assigns.

**19. TAX COMPLIANCE CERTIFICATION.** Contractor must, throughout the duration of this Contract and any extensions, comply with all tax laws of this state and all applicable tax laws of any political subdivision of this state. Any violation of this section shall constitute a material breach of this Contract. Further, any violation of Contractor's warranty in this Contract that Contractor has complied with the tax laws of this state and the applicable tax laws of any political subdivision of this state also shall constitute a material breach of this Contract. Any violation shall entitle District to terminate this Contract, to pursue and recover any and all damages that arise from the breach and the termination of this Contract, and to pursue any or all of the remedies available under this Contract, at law, or in equity, including but not limited to: (A) Termination of this Contract, in whole or in part; (B) Exercise of the right of setoff, and withholding of amounts otherwise due and owing to Contractor, in an amount equal to DISTRICT'S setoff right, without penalty; and (C) Initiation of an action or proceeding for damages, specific performance, declaratory or injunctive relief. DISTRICT'S shall be entitled to recover any and all damages suffered as the result of Contractor's breach of this Contract, including but not limited to direct, indirect, incidental and consequential damages, costs of cure, and costs incurred in securing replacement performance. These remedies are cumulative to the extent the remedies are not inconsistent, and DISTRICT'S may pursue any remedy or remedies singly, collectively, successively, or in any order whatsoever.

The Contractor represents and warrants that, for a period of no fewer than six calendar years preceding the effective date of this Contract, has faithfully complied with: (A) All tax laws of this state, including but not limited to ORS 305.620 and ORS chapters 316, 317, and 318; (B) Any tax provisions imposed by a political subdivision of this state that applied to Contractor, to Contractor's property, operations, receipts, or income, or to Contractor's performance of or compensation for any work performed by Contractor; (C) Any tax provisions imposed by a political subdivision of this state that applied to Contractor, or to goods, services, or property, whether tangible or intangible, provided by Contractor; and (D) Any rules, regulations, charter provisions, or ordinances that implemented or enforced any of the foregoing tax laws or provisions.

**20. TERMINATION.** This Contract may be terminated for the following reasons: (A) This Contract may be terminated at any time by mutual consent of the parties, or by the District for convenience upon thirty (30) days' written notice to the Contractor; (B) District may terminate this Contract effective upon delivery of notice to Contractor, or at such later date as may be established by the District, if (i) federal or state laws, rules, regulations, or guidelines are modified, changed, or interpreted in such a way that either the work under this Contract is prohibited or the District are prohibited from paying for such work from the planned funding source; or (ii) any license or certificate required by law or regulation to be held by the Contractor to provide the services required by this Contract is for any reason denied, revoked, or not renewed; (C) This Contract may also be immediately terminated by the District for default (including breach of Contract) if (i) Contractor fails to provide services or materials called for by this Contract within the time specified herein or any extension thereof; or (ii) Contractor fails to perform any of the other provisions of this Contract or so fails to pursue the work as to endanger performance of this Contract in accordance with its terms, and after receipt of notice from the District, fails to correct such failure within ten (10) business days; and (D) If sufficient funds are not provided in future approved budgets of the District (or from applicable federal, state, or other sources) to permit the District in the exercise of its reasonable administrative discretion to continue this Contract, or if the program for which this Contract was executed is abolished, District may terminate this Contract without further liability by giving Contractor not less than ninety (90) days' notice.

**21. REMEDIES.** Upon receiving a notice of termination of this Contract, Contractor shall immediately cease all activities under this Contract, unless District expressly directs otherwise in such notice of

termination. Upon termination of this Contract, Contractor shall deliver to District all documents, information, works-in-progress and other property that are or would be deliverables had the Contract work been completed. Upon District's request, Contractor shall surrender to anyone District designates, all documents, research or objects or other tangible things needed to complete the work.

**22. NO THIRD PARTY BENEFICIARIES.** District and Contractor are the only parties to this Contract and are the only parties entitled to enforce its terms. Nothing in this Contract gives, is intended to give, or shall be construed to give or provide any benefit or right, whether directly, indirectly or otherwise, to third persons unless such third persons are individually identified by name herein and expressly described as intended beneficiaries of the terms of this Contract.

**23. TIME IS OF THE ESSENCE.** Contractor agrees that time is of the essence under this Contract.

**24. FOREIGN Contractor.** If the Contractor is not domiciled in or registered to do business in the State of Oregon, Contractor shall promptly provide to the Oregon Department of Revenue and the Secretary of State, Corporate Division, all information required by those agencies relative to this Contract. The Contractor shall demonstrate its legal capacity to perform these services in the State of Oregon prior to entering into this Contract.

**25. FORCE MAJEURE.** Neither District nor Contractor shall be held responsible for delay or default caused by fire, riot, acts of God, or war where such cause was beyond, respectively, District's or Contractor's reasonable control. Contractor shall, however, make all reasonable efforts to remove or eliminate such a cause of delay or default and shall upon the cessation of the cause, diligently pursue performance of its obligations under this Contract.

**26. WAIVER.** The failure of District to enforce any provision of this Contract shall not constitute a waiver by District of that or any other provision.

**27. RECYCLING.** In the performance of this Contract the Contractor shall use, to the maximum extent economically feasible, recycled paper.

**28. COMPLIANCE.** Pursuant to the requirements of ORS 279B.020 and 279B.220 through 279B.235 and Article XI, Section 10, of the Oregon Constitution, the following terms and conditions are made a part of this Contract:

(A) Contractor shall: (i) Make payments promptly, as due, to all persons supplying to the Contractor labor or materials for the prosecution of the work provided for in this Contract; (ii) Pay all contributions or amounts due the Industrial Accident Fund from such Contractor or subcontractor incurred in the performance of this Contract; (iii) Not permit any lien or claim to be filed or prosecuted against the COUNTY on account of any labor or material furnished.

(B) If the Contractor fails, neglects or refuses to make prompt payment of any claim for labor or services furnished to the Contractor or a subcontractor by any person in connection with this Contract as such claim becomes due, the proper officer representing the DISTRICT may pay such claim to the person furnishing the labor or services and charge the amount of the payment against funds due or to become due the Contractor by reason of this Contract.

(C) The Contractor shall pay employees for work in accordance with ORS 279B.020 and ORS 279B.235, which is incorporated herein by this reference. All subject employers working under the contract are either employers that will comply with ORS 656.017 or employers that are exempt under ORS 656.126.

(D) The Contractor shall promptly, as due, make payment to any person or copartnership, association or corporation furnishing medical, surgical and hospital care or other needed care and attention incident to sickness and injury to the employees of the Contractor, of all sums which the Contractor agrees to pay for such services and all moneys and sums which the Contractor collected or deducted from the wages of the Contractor's employees pursuant to any law, contract or agreement for the purpose of providing or paying for such services.



**INSURANCE CERTIFICATES**  
**(To be submitted at time of contract execution)**