



RESOLUTION 2007-045

A RESOLUTION AUTHORIZING THE CITY MANAGER TO ENTER INTO THE INTERGOVERNMENTAL AGREEMENT ("IGA") BETWEEN THE CITY OF SHERWOOD ("CITY") AND THE CITY OF WILSONVILLE FOR THE SEGMENT 2 WATER LINE COSTS

WHEREAS, the City desires to enter into an IGA with the City of Wilsonville for the Segment 2 Water line; and

WHEREAS, Resolution 2007-009 authorized the City authority to acquire land for public purposes of constructing, installing and thereafter maintaining water supply and transmission lines, storage facilities and related appurtenances to serve the City and its residents; and

WHEREAS, Resolution 2006-064 authorized the City Manager to enter into an IGA with TVWD to acquire an undivided ownership interest in a portion of Tualatin Valley Water District's ownership interest in water treatment plant facilities in Wilsonville, Oregon in the amount of \$6,962,630; and

WHEREAS, Resolution 2005-077 authorized a line of credit in an amount not to exceed \$10,000,000 to finance water rights and water system improvements in the City; and

WHEREAS, Resolution 2005-057 approved the Water System Master Plan as the comprehensive, public facility planning direction for the City; and

WHEREAS, Resolution 2005-054 proposed a measure seeking voter approval of Willamette River Water as a source for City drinking water.

NOW, THEREFORE, THE CITY RESOLVES AS FOLLOWS:

Section 1. The City Manager is hereby authorized to sign and approve the IGA, attached as Exhibit "A," between the City of Sherwood and the City of Wilsonville

Section 2. The Resolution shall be effective upon its approval and adoption.

Duly passed by the City Council this 5th day of June 2007.

Dave Grant, Council President

ATTEST:

Sylvia Murphy, City Recorder

**Segment 2, WILSONVILLE-SHERWOOD EXISTING KINSMAN ROAD
WATER TRANSMISSION LINE AGREEMENT
FROM WILSONVILLE ROAD TO BARBER STREET**

THIS AGREEMENT, made and entered into this _____ day of _____, 2007 between the City of Wilsonville, Oregon, a municipal corporation of the State of Oregon ("Wilsonville"), and the City of Sherwood, also a municipal corporation of the State of Oregon ("Sherwood").

RECITALS

The parties agree upon the following recitals:

A. Wilsonville and Sherwood each desire to construct transmission line facilities to supply water from the Willamette River Water Treatment Plant in Wilsonville, Oregon ("WRWTP") to their respective service areas and to provide water system redundancy for their respective systems. This Agreement is intended to provide for the acquisition by Sherwood from Wilsonville of an equal ownership interest in one of these transmission line facility segments, and its subsequent joint operation and maintenance, consisting of approximately 2,537 linear feet (lf) of 48-inch diameter pipe, already constructed and in place along SW Kinsman Road from the intersection of SW Kinsman Road and SW Wilsonville Road to the intersection of SW Kinsman Road and SW Barber Street. The transmission line is more particularly described in Exhibit A, identified therein as Segment 2, attached hereto and incorporated by reference, and is hereinafter referred to as "the Existing Kinsman Road Transmission Line." The parties will contemporaneously execute other agreements for other segments of jointly-owned transmission facilities.

B. The parties desire to enter into this Agreement for the acquisition by Sherwood of an equal ownership interest and subsequent operation and maintenance of the Existing Kinsman Road Transmission Line for the purpose of supplying water to the current and future customers of the parties.

C. It is recognized by the parties that it is necessary to enter into this intergovernmental cooperative agreement through ORS Chapter 190 to provide for the purchase of an undivided interest and maintenance and operation of the Existing Kinsman Road Transmission Line.

D. The parties have the authority to enter into this Agreement pursuant to their applicable charter, principal acts, and Oregon Revised Statutes Sections 190.003 through 190.030.

NOW, THEREFORE, in consideration of the mutual covenants and agreements contained herein, the parties agree as follows:

1. DURATION

The duration of this Agreement shall be perpetual unless otherwise agreed to by the parties.

2. OWNERSHIP, MAINTENANCE, AND OPERATION OF THE EXISTING KINSMAN ROAD TRANSMISSION LINE

2.1 *Ownership.* The Existing Kinsman Road Transmission Line has a total as built demand capacity of 40 mgd. It is more particularly described in Exhibit "A" attached hereto and incorporated herein by reference. Each party shall be entitled to a 20 mgd capacity share thereof. Each party shall have a 50 percent ownership share of the transmission line as tenants in common. The respective capacity use of the parties will be metered by appropriate metering facilities. The physical location of meters, their operational characteristics, and an operational metering protocol shall be agreed to by the parties.

2.2 *Purchase Costs.* Sherwood purchases from Wilsonville an undivided 50 percent interest in the Existing Kinsman Road Transmission Line for the sum of \$598,769.00. The parties agree that this sum is the product of the purchase price methodology set forth in Exhibit B, attached hereto and incorporated herein by reference.

2.3 *Easements.* Wilsonville and Sherwood hereby agree to execute and deliver to the other a permanent easement to lay, replace, maintain, and use the Existing Kinsman Road Transmission Line for the purposes intended by this Agreement.

2.4 *Operation and Maintenance Responsibilities.* Unless otherwise agreed to by the parties in writing, Wilsonville shall have the responsibility for operation and maintenance of the Existing Kinsman Road Transmission Line. The actual, direct, out-of-pocket expenses of operation and maintenance of the Existing Kinsman Road Transmission Line together with an allowance as may be agreed upon by the parties for general or administrative expenses shall be billed to the parties monthly in proportion to their ownership interests reflected in paragraph 3.1. Wilsonville shall exercise due diligence in effecting its operation and maintenance responsibilities under this Agreement. Any non-emergency maintenance project or event in excess of \$50,000.00 in total, individual costs will require the coordination and consent of Sherwood. This amount shall be adjusted annually to conform with the Engineering News-Record (ENR) Construction Cost Index (CCI) for Seattle. In any event, Wilsonville shall give reasonable notice to Sherwood of any proposed operation or maintenance activities which could impact Sherwood water quality or quantity. Wilsonville shall insure that all flow meters are maintained properly and calibrated at least annually. Wilsonville shall be responsible for the reading of meters subject to the terms of the metering protocol referenced in Section 3.1 of this Agreement. Subject to shut-downs for emergencies, announced scheduled repairs, or precautionary shut-down to allow upstream spills in the Willamette to flow past the WRWTP, Wilsonville shall operate its water system in a manner which will allow Sherwood to receive its ownership capacity share in keeping with the prior daily notification by Sherwood to Wilsonville of capacity needs at an adequate hydraulic grade.

2.4.1 Wilsonville shall be responsible for the control and supervision of all activities of the Existing Kinsman Road Transmission Line and shall prepare and submit to the parties financial activity reports of the Existing Kinsman Road Transmission Line not less than annually and prepare such other reports and information as the parties may require.

2.4.2 Sherwood acknowledges that it knows Tualatin Valley Water District (TVWD) has certain prior contract rights to operate and maintain the WRWTP based on certain future events and Wilsonville's responsibilities for operation and maintenance would cease upon the occurrence of those events. In that event, Sherwood is responsible to contract for operation and maintenance with TVWD as to producing for Sherwood a share of its capacity needs and at an adequate hydraulic grade.

2.5 *Transmission of Water to Third Parties.* Neither party shall permit use of the Existing Kinsman Road Transmission Line for the purpose of transmitting water to any person other than Wilsonville or Sherwood retail or wholesale customers unless both parties so agree previously in writing. Any revenues derived from transmission of water through the Existing Kinsman Road Transmission Line on behalf of entities other than Wilsonville or Sherwood customers shall be paid to the parties in proportion to their ownership interests in capacity used by a third party in the Existing Kinsman Road Transmission Line as reflected in paragraph 2.1.

2.6 *Budget.* Wilsonville shall annually prepare and adopt a budget for the Existing Kinsman Road Transmission Line and distribute the same to each party not later than 150 days prior to commencement of the next fiscal year. Annually, and 150 days prior to the commencement of each party's fiscal year, Wilsonville shall prepare a forecast of anticipated costs for the Existing Kinsman Road Transmission Line for that ensuing fiscal year, and each party shall contribute its share of this amount in proportion to its ownership interest in the Existing Kinsman Road Transmission Line as reflected in paragraph 2.1.

2.65 *Non-Emergency Major Repair or Replacement.* Wilsonville shall monitor the overall condition of the transmission line and facilities and shall schedule any non-emergency major repair or replacement and the projected annual expenditure for the cost of the repair or replacement five years in advance of such major repair or replacement.

2.7 *Approvals.* All approvals of either Wilsonville or Sherwood in this Agreement shall be made by the City Manager or the City Manager's authorized designee.

2.8 *Leasing of Supply Capacity.* Each party shall have the right to lease from the other party such unused capacity of its capacity share of the Existing Kinsman Road Transmission Line Project as the party with the unused capacity may determine in its sole discretion to be reasonably available and prudent to be leased to the other party. The compensation to the leasing party shall be fairly and equitably agreed upon by the parties.

2.9 *Overuse of Supply Facility.* Wilsonville and Sherwood shall each use the Existing Kinsman Road Transmission Line Project facilities in a manner consistent with prudent water utility practices and to minimize interference with each other's use of its respective share of capacity to meet its demand. Unless caused by system operation conditions not caused by the overusing party, any overuse of 10 percent or greater by either Wilsonville or Sherwood for two consecutive years or for three out of five consecutive years, shall result in the overusing party compensating the other party at a lease rate that will be fairly and equitably agreed upon by the parties.

2.95 *Right of First Offer.* Wilsonville and Sherwood agree not to sell, transfer, exchange, grant an option to purchase, lease, or otherwise dispose of its undivided interest in the

Existing Kinsman Road Transmission Line Project facilities, without first offering the remaining owner in writing ("Notice of Intent to Transfer") on the terms and conditions set forth in this section. This right of first offer shall be perpetual unless it expires by its terms, or the parties mutually agree to its termination. This right of first offer shall run with and burden each owner's undivided interest in the Existing Kinsman Road Transmission Line Project facilities, the owner, owner successors and assigns, and shall run for the benefit of the other owner and its successors and assigns. When an owner receives the notice of intent to transfer, it shall have the prior and preferential right to purchase the undivided interest in the Existing Kinsman Road Transmission Line Project of the transferring party. The notice should disclose the terms and conditions of the transferring owners of the offer of any third party to sell to it, in order to give the other owner fair opportunity to purchase. Such disclosure may be provided as confidential as allowed by law. The purchase price shall be the price agreed to by the parties or the appraised fair market value of the undivided interest in the Existing Kinsman Road Transmission Line Project facilities. The receiving owner shall give notice of its exercise of the right to purchase within 60 days after receipt of the written notice of intent to transfer from the transferring owner declaring the property surplus and offering to sell to the receiving owner. If the receiving owner fails to timely give written notice to the transferring owner of the exercise of its rights to purchase the offered, undivided interest in Existing Kinsman Road Transmission Line Project, then the transferring owner shall be entitled to sell, transfer or assign the undivided interest in the Existing Kinsman Road Transmission Line Project to a third party, at such price, and on such terms and conditions as are acceptable to it, provided such terms and conditions are not inconsistent with the aforementioned notice of intent to transfer of the opportunity to purchase.

3. AMENDMENT

This Agreement may be amended if both parties concur in the proposed amendment by an agreement, signed by authorized representatives of each party.

4. GENERAL PROVISIONS

4.1 *Instruments of Further Assurance.* From time to time, at the request of either party, each party shall, without further consideration, execute and deliver such further instruments and shall take such further action as may be reasonably required to fully effectuate the purposes of this Agreement.

4.2 *Merger Clause.* This Agreement embodies the entire agreement and understanding between the parties hereto with respect to the Existing Kinsman Road Transmission Line and supersedes all previous agreements and understandings relating to the Existing Kinsman Road Transmission Line.

4.3 *Assignment.* Neither party shall have the right to assign its interest in this Agreement (or any portion thereof), without the prior written consent of the other party.

4.4 *Severability.* In case any one or more of the provisions contained in this Agreement shall be invalid, illegal, or unenforceable in any respect, the validity, legality, and enforceability of the remaining provisions contained herein shall not in any way be affected or impaired thereby.

4.5 *Counterparts.* This Agreement may be executed in any number of counterparts and by the parties or separate counterparts, any one of which shall constitute an agreement between and among the parties.

4.6 *Notices.* Any notice herein required or permitted to be given shall be given in writing, shall be effective when actually received, and may be given by hand delivery or by United States mail, first class postage prepaid, addressed to the parties as follows:

If to Wilsonville: Arlene Loble, City Manager
 City of Wilsonville
 29799 SW Town Center Loop E.
 Wilsonville, OR 97070

If to Sherwood: Ross Schultz, City Manager
 City of Sherwood
 22560 SW Pine
 Sherwood, OR 97140-7851

4.7 *Mutual Indemnification.* Wilsonville shall indemnify Sherwood as may be allowed under law, for any and all claims by third parties against Sherwood arising out of the negligence or intentional acts of Wilsonville, its employees, agents, or contractors. Sherwood shall indemnify Wilsonville as may be allowed under law, for any and all claims by third parties arising out of the negligence or intentional acts of Sherwood, its employees, agents, or contractors.

IN WITNESS WHEREOF, the parties have, pursuant to official action of their respective governing bodies, duly authorizing the same, cause their respective officers to execute this instrument on their behalf.

CITY OF WILSONVILLE
an Oregon municipal corporation

CITY OF SHERWOOD
an Oregon municipal corporation

By: _____
 Charlotte Lehan, Mayor

By: _____
 Keith Mays, Mayor

By: _____
 City Recorder

By: _____
 City Recorder

APPROVED AS TO FORM:

APPROVED AS TO FORM:

Attest: _____
 City Attorney

Attest: _____
 City Attorney

Exhibit B

Sherwood Reimbursement to the City of Wilsonville for the Waterline on Kinsman between Wilsonville Road and Barber

4/25/2007

Background

48 inch line from WV Rd to Barber

Capacity shared equally

Cost include pipe purchase, construction, design, inspection and city administration-

Cost

\$1,148,359

Completed- Sep 2003

Methodology: Reconstrion cost new less depreciation (RCNLD)

Share of construction at 50%

\$574,179

Change in Seattle area CCI to get RCN (est. to Mar 2007)Sep 2003-

7641.70, Est. Mar 2007-8568

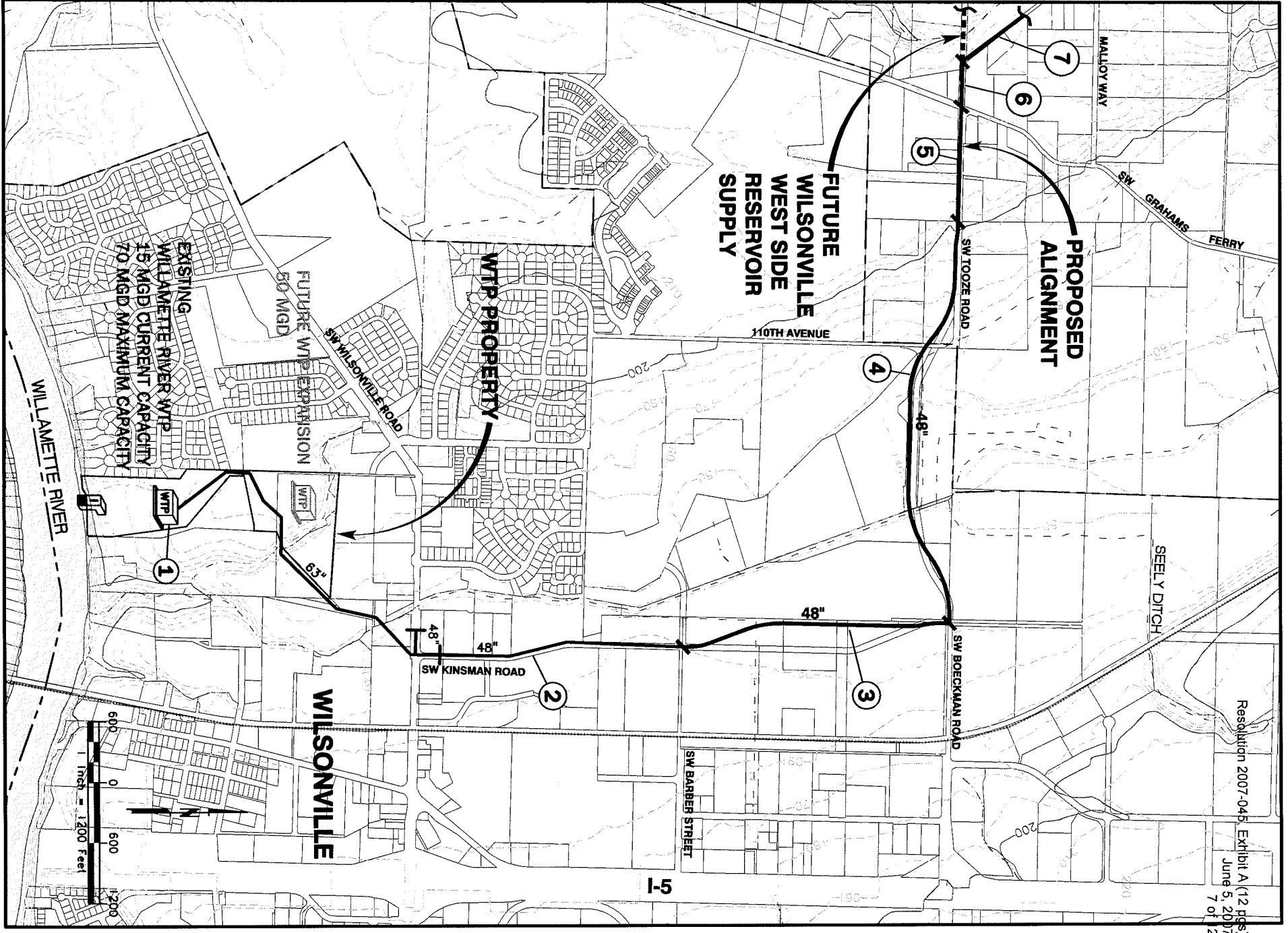
1.121

Depreciation for cathodic protected line 50 year straight line

0.930

Total reimbursement

\$598,769





CITY OF WILSONVILLE

SW KINSMAN ROAD WATERLINE AND ROADWAY IMPROVEMENTS

Resolution 2007-045, Exhibit A (12 pgs)
June 5, 2007
8 of 12

MAY 2002

GENERAL INDEX OF DRAWINGS

GENERAL

- G-1 - COVER/TITLE SHEET
- G-2 - SYMBOLS AND LEGEND
- G-3 - ABBREVIATIONS
- G-4 - GENERAL AND EROSION CONTROL NOTES
- G-5 - TRAFFIC SIGNING AND DETOUR PLAN

WATER

- W-1 - WATER - PLAN AND PROFILE STA W0+00 TO STA W5+40
- W-2 - WATER - PLAN AND PROFILE STA W5+40 TO STA W12+30
- W-3 - WATER - PLAN AND PROFILE STA W12+30 TO STA W19+20
- W-4 - WATER - PLAN AND PROFILE STA W19+20 TO STA W25+20
- W-5 - 14" WATERLINE CONNECTION AND DETAILS
- W-6 - PRV AND METER VAULT PLAN AND SECTIONS
- W-7 - 3" COMBINATION AIR VALVE AND MANWAY VAULT DETAILS
- W-8 - WATERLINE STANDARD DETAILS
- W-9 - WATERLINE CITY STANDARD DETAILS
- W-10 - CORROSION CONTROL DETAILS

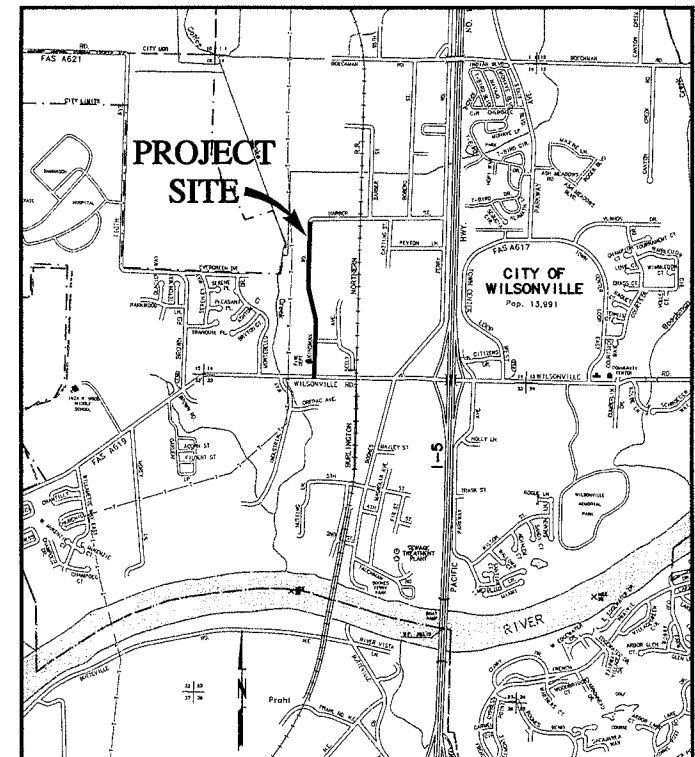
ROAD

- RD-1 - PLAN AND PROFILE STA R0+00 TO STA R5+40
- RD-2 - PLAN AND PROFILE STA R5+40 TO STA R12+30
- RD-3 - PLAN AND PROFILE STA R12+30 TO STA R19+20
- RD-4 - PLAN AND PROFILE STA R19+20 TO STA R25+80
- RD-5 - PCC PAVEMENT SECTIONS AND DETAILS
- RD-6 - PCC JOINT DETAILS
- RD-7 - STORM DRAINAGE DETAILS
- RD-8 - MISCELLANEOUS STREET DETAILS
- RD-9 - STRIPING AND DETECTOR LOOP PLAN
- RD-10 - STRIPING AND DETECTOR LOOP NOTES AND DETAILS

RECORD DRAWINGS

THIS DRAWING IS FOR RECORD PURPOSES ONLY, AND HAS BEEN PREPARED BASED IN PART ON INFORMATION PROVIDED BY OTHERS RELATIVE TO REPORTED CONSTRUCTED CONDITIONS. WHILE THIS INFORMATION IS BELIEVED TO BE RELIABLE, MURRAY, SMITH & ASSOCIATES, INC. MAKES NO ASSURANCES, STATED OR IMPLIED, AS TO THE ACCURACY OF THIS DRAWING. THOSE RELYING ON THIS RECORD DRAWING FOR ANY PURPOSE ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY. CONTRACT MODIFICATION INFORMATION, FABRICATOR'S SHOP DRAWINGS AND OTHER PROJECT SUBMITTAL INFORMATION PROVIDED BY THE CONTRACTOR WHICH FURTHER CLARIFY DETAILS OF CONSTRUCTION MAY BE ON FILE. SEE ORIGINAL CONTRACT DRAWINGS FOR ENGINEER'S SEAL AND SIGNATURES.

VERSION 4.0 12-9-97



VICINITY MAP
SCALE: 1"=1000'

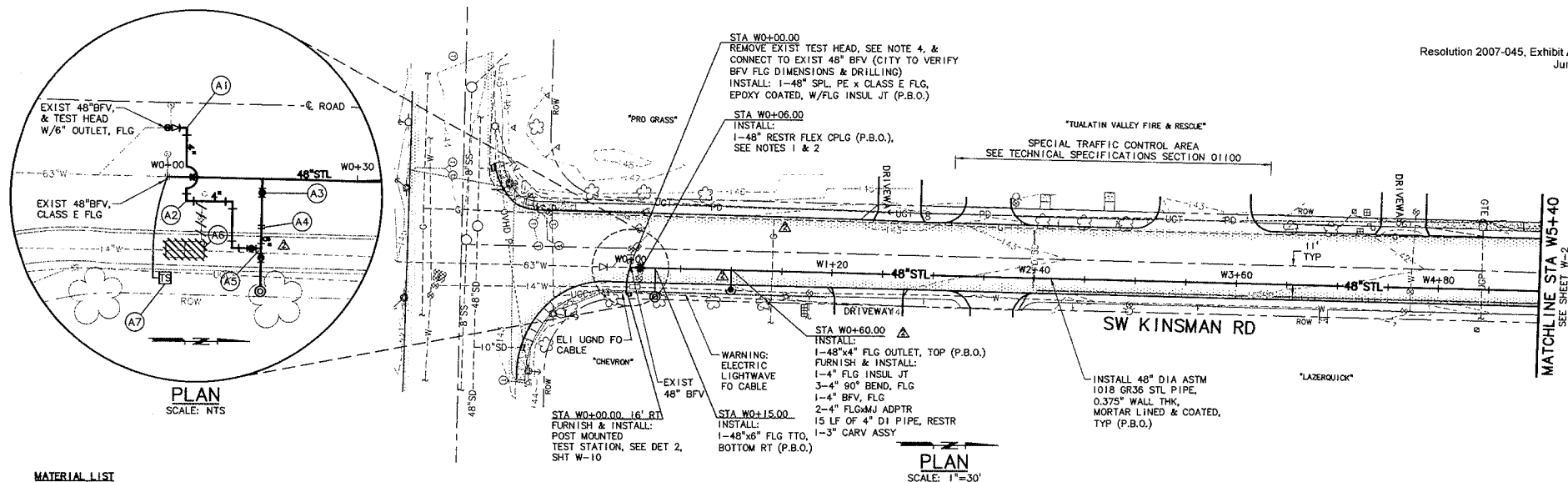


Murray, Smith & Associates, Inc.
Engineers/Planners

121 S.W. Salmon, Suite 900 PHONE 503-225-9010
Portland, Oregon 97204 FAX 503-225-9022

01-0546.210

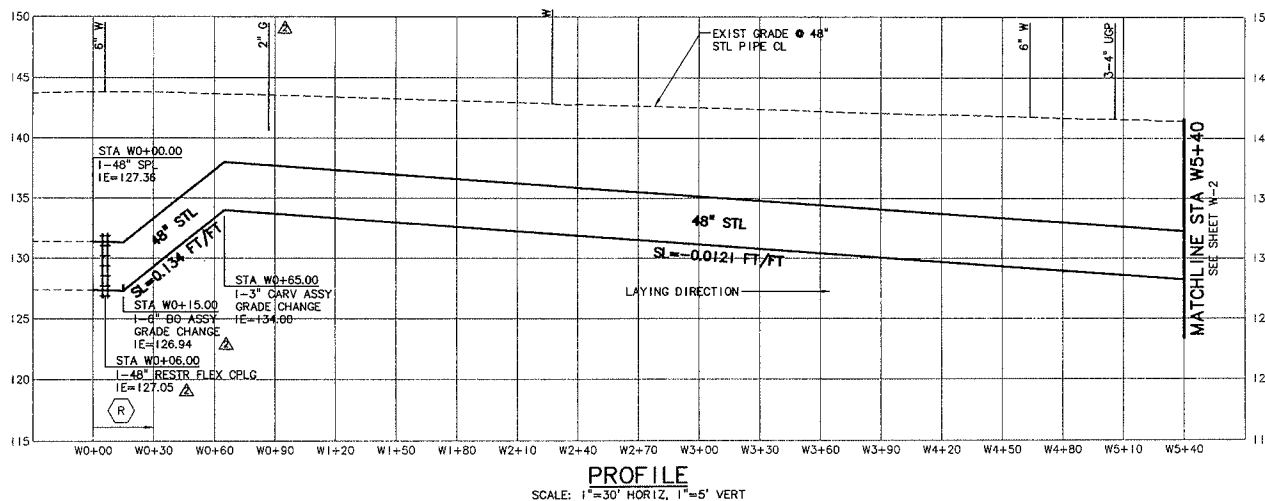
23922



- MATERIAL LIST**
- (A1) FURNISH & INSTALL:
1-6" FLG INSL JT
1-6"x4" RDCR, FLG&MJ
40 LF 4" D1 PIPE
1-4" 90° BEND, MJ, ROLLED UP
1-4" 90° BEND, MJ, ROLLED DOWN
ROUTE 4" PIPE OVER 48" STL, MAINTAIN
MIN 1 FT CLR BTWN D1 & 48" STL PIPE
 - (A2) FURNISH & INSTALL:
1-4" 90° BEND, MJ, ROLLED HORIZ
 - (A3) FURNISH & INSTALL:
1-6" GV, FLG
1-6" ADPTR, MJ&FLG
15 LF 6" D1 PIPE
 - (A4) FURNISH & INSTALL:
1-6" 90° BEND, MJ, ROLLED UP
1-6" 90° BEND, MJ, ROLLED HORIZ
 - (A5) FURNISH & INSTALL:
1-6" BO ASSY
1-6" GV, FLG
1-4" ADPTR, MJ&FLG
1-4" GV, FLG
1-6"x4" TEE, FLG&FLG
 - (A6) COMPLETELY REMOVE EXIST PRV VAULT &
PRV ASSY DISCONNECT PRV ASSY FROM
14" WATERLINE & INSTALL 2" BRASS
PLUG. REMOVE EXIST 6" BO ASSY, 6" GV,
6" PIPING & ASSOCIATED VALVE BOXES
CONNECTED TO 48" TEST HEAD
 - (A7) FURNISH & INSTALL:
20 LF 3" PVC CONDUIT
1-POST MOUNTED TEST STATION

NOTES:

1. FOR RESTRAINED FLEXIBLE COUPLING, PROVIDE ADEQUATE SPACE BETWEEN HARNESS LUG AND COUPLING TO ALLOW COUPLING TO SLIDE CLEAR OF PIPE JOINT. SPOOL MUST BE REMOVABLE.
2. FOR RESTRAINED FLEXIBLE COUPLING, DOUBLE NUT ALL HARNESS TIE BOLTS AND TIGHTEN AGAINST HARNESS LUG PLATE.
3. P.B.O. = MATERIALS PROVIDED BY ANOTHER CONTRACT. SEE GENERAL NOTE 27.
4. CONTRACTOR TO REMOVE EXISTING 48-INCH TEST HEAD CONNECTED TO EXISTING 48-INCH BUTTERFLY VALVE (STA 0+00). STORE AND REINSTALL AT STA W25+20.00.
5. ALL PIPE AND FITTINGS SUPPLIED BY CONTRACTOR TO BE RESTRAINED DUCTILE IRON, UNLESS OTHERWISE SHOWN.
6. CATHODIC PROTECTION POST MOUNTED TEST STATION LOCATIONS TO BE FIELD VERIFIED BY ENGINEER.



NO.	DATE	BY	REVISION
12-31-02	12-31-02	ES	RECORD DRAWING
11-02-02	11-02-02	ES	ADDENDA #1, #2, #3

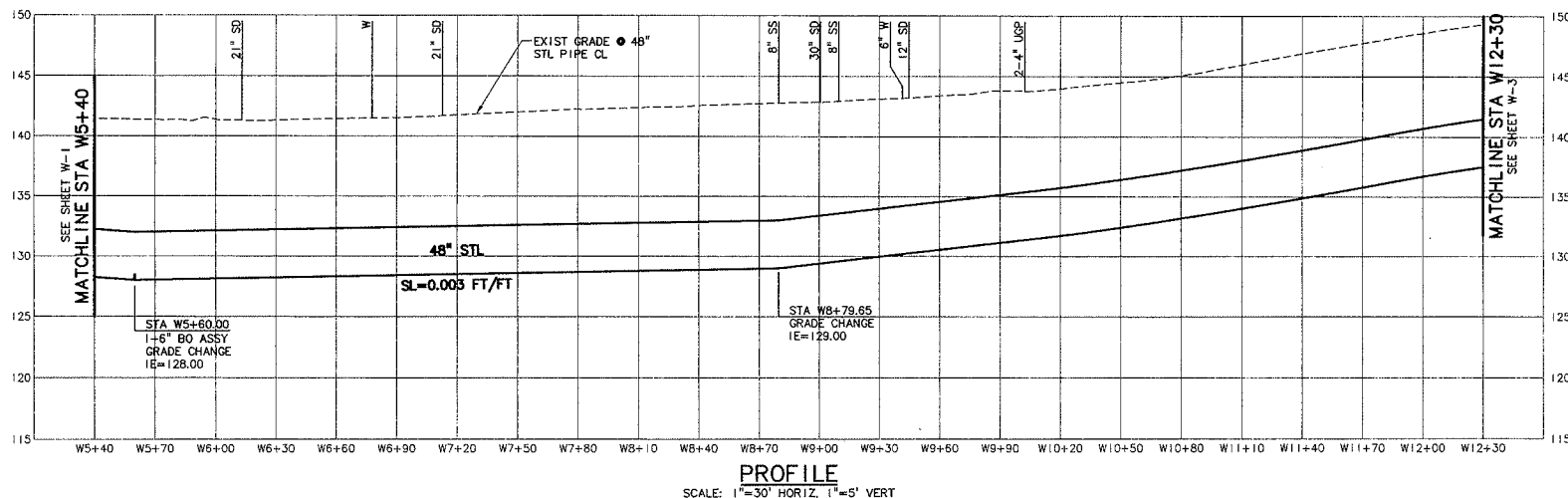
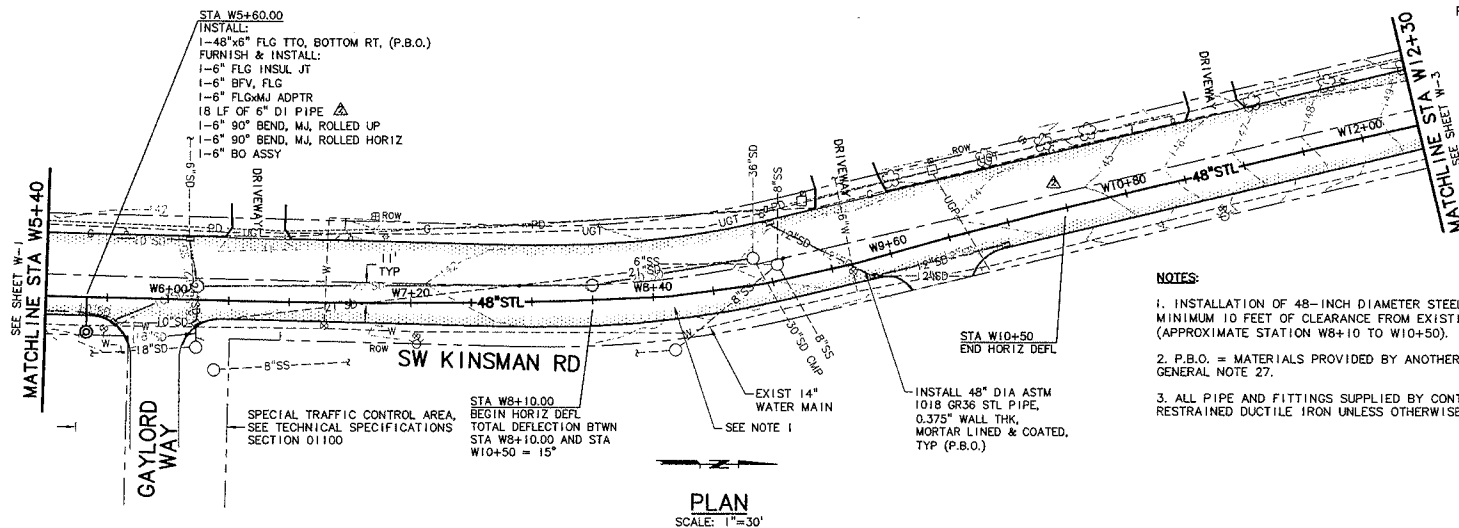
NOTICE	TPB DESIGNED HCM/BAH/DKH DRAWN PHS CHECKED	RECORD DRAWING SEE DISCLAIMER, SHEET 1. VERSION 4.1 12-9-97
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MSA Murray, Smith & Associates, Inc.
Engineers/Planners
121 S.W. Salmon, Suite 900
Portland, Oregon 97204
Phone 503-225-9010
Fax 503-225-9022

City of
WILSONVILLE
in OREGON
**SW KINSMAN ROAD WATERLINE
AND ROADWAY IMPROVEMENTS**

KINSMAN ROAD WATER - PLAN AND PROFILE STA W0+00 TO STA W5+40	SHEET W-1
PROJECT NO.: 01-0546.210 SCALE: AS SHOWN DATE: MAY 2002	6 of 25

2397R



<p>12-31-02 EES RECORD DRAWING</p> <p>NO. DATE BY REVISION</p>	<p>NOTICE</p> <p>0 1/2 1</p> <p>IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE</p>	<p>TPB DESIGNED HCM/BAH/DKH DRAWN PHS CHECKED</p> <p>RECORD DRAWING</p> <p>SEE DISCLAIMER, SHEET 1.</p> <p>VERSION 4.1</p> <p>12-9-97</p>	<p>MSA Murray, Smith & Associates, Inc. Engineers/Planners</p> <p>121 S.W. Salmon, Suite 900 Portland, Oregon 97204</p> <p>Phone 503-225-9010 Fax 503-225-9022</p>	<p>City of WILSONVILLE in OREGON</p> <p>SW KINSMAN ROAD WATERLINE AND ROADWAY IMPROVEMENTS</p>	<p>KINSMAN ROAD</p> <p>WATER - PLAN AND PROFILE</p> <p>STA W5+40 TO STA W12+30</p> <p>PROJECT NO.: 01-0546.210 SCALE: AS SHOWN DATE: MAY 2002</p>	<p>SHEET</p> <p>W-2</p> <p>7 of 25</p>
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NOTES:

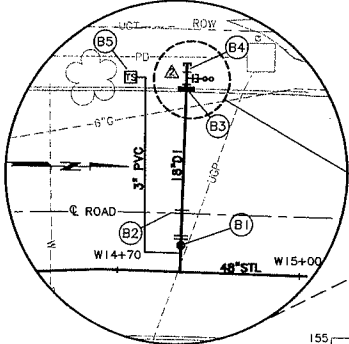
1. P.B.O. = MATERIALS PROVIDED BY ANOTHER CONTRACT. SEE GENERAL NOTE 27.
2. ALL PIPE AND FITTINGS SUPPLIED BY CONTRACTOR TO BE RESTRAINED DUCTILE IRON UNLESS OTHERWISE SHOWN.
3. MAINTAIN MINIMUM 2% SLOPE UP (W) ON 18" DI PIPE.
4. PROVIDE MINIMUM 1 FOOT CLEARANCE BETWEEN 18" PIPE, EXISTING GAS AND POWER UTILITIES. PROVIDE POLYETHYLENE ENCASUREMENT FOR DUCTILE IRON PIPE. SEE GENERAL NOTE 11.
5. APPROXIMATE 1E 6" GAS=146.0. CONTRACTOR TO POTHOLE AND VERIFY EXACT DEPTH AND LOCATION PRIOR TO CONSTRUCTION OF 18" PIPE AND BLOWOFF ASSEMBLY.

STA W13+68.72
INSTALL:
1-48"x30" FLG OUTLET, TOP (P.B.O.)
1-30" BLIND FLG W/4" FLG CONNECTION, OC, EPOXY COATED (P.B.O.)
FURNISH & INSTALL:
1-MANWAY VAULT ASSY, SEE SHT W-7
1-4" 90° BEND, MJ
25 LF 4" DI PIPE
1-3" CARV ASSY

STA W14+80.35
INSTALL:
1-48"x18" FLG OUTLET, LT. (P.B.O.)

STA W17+65.00
INSTALL:
1-48"x6" FLG T/O, BOTTOM, (P.B.O.)
FURNISH & INSTALL:
1-6" FLG INSUL JT
1-6" BFV, FLG
1-6" FLOW MJ ADPTR
14 LF OF 6" DI PIPE
1-6" 90° BEND, MJ, ROLLED UP
1-6" BO ASSY

Resolution 2007-045, Exhibit A (12 pgs)
June 5, 2007
11 of 12



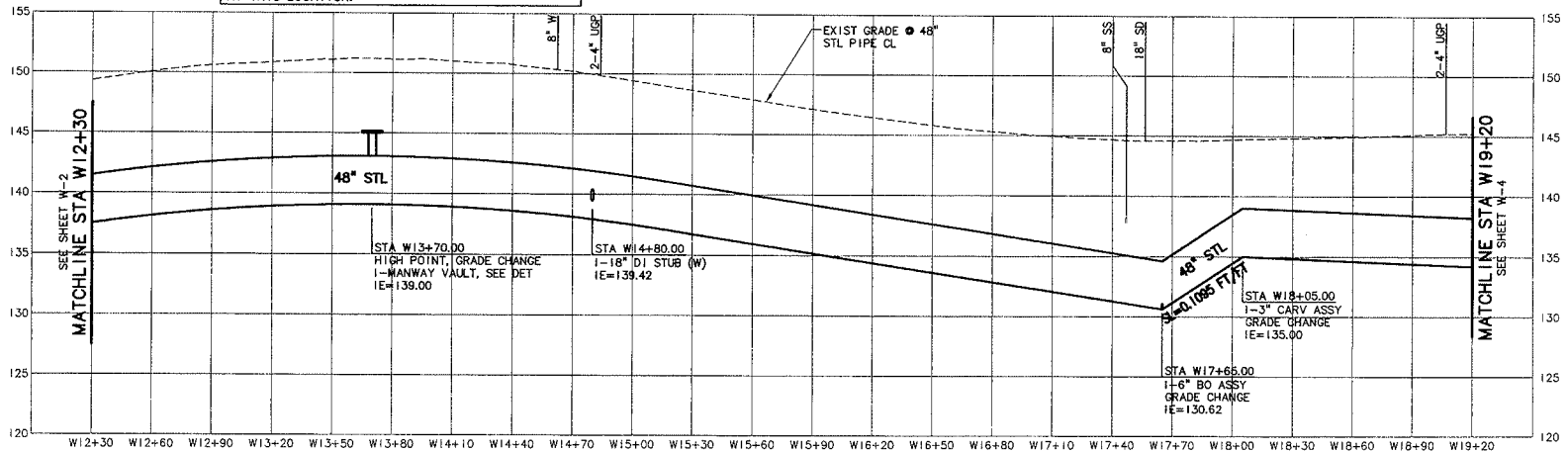
PLAN
SCALE: NTS

NOTES (CONT):

6. IMPORTANT INFORMATION FOR FUTURE CONNECTIONS TO EXIST 18" DI PIPING AT (B4). TO MAINTAIN ADEQUATE CATHODIC PROTECTION, ANY FUTURE EXTENSION OF THE 18" DI PIPING MUST BE ELECTRICALLY ISOLATED FROM THE EXISTING 18" DI PIPING. PROVIDE AN INSULATING COUPLING JOINT AT THIS LOCATION.

PLAN
SCALE: 1"=30'

- MATERIAL LIST**
- (B1) STA W14+80.00
FURNISH & INSTALL:
1-18" INSUL FLG JT
1-18" BFV, FLG
1-18" FLOW MJ ADPTR
1-18" 45° BEND, MJ, ROLLED UP,
1E=140.00
40 LF 18" DI PIPE
 - (B2) 1-18" 45° BEND, MJ, ROLLED
HORIZ, 1E=143.50
 - (B3) 1-STRADDLE THRUST BLOCK
1-18"x6" TEE, MJ
1-6" CAP, MJ
1-2" BO ASSY
 - (B4) 1-18" CAP, MJ, 1E=144.08
SEE NOTE 6
 - (B5) STA W14+72.00, 33' LT
FURNISH & INSTALL:
50 LF OF 3" PVC CONDUIT
1-POST MOUNTED TEST
STATION, SEE DET 2, SHT W-10

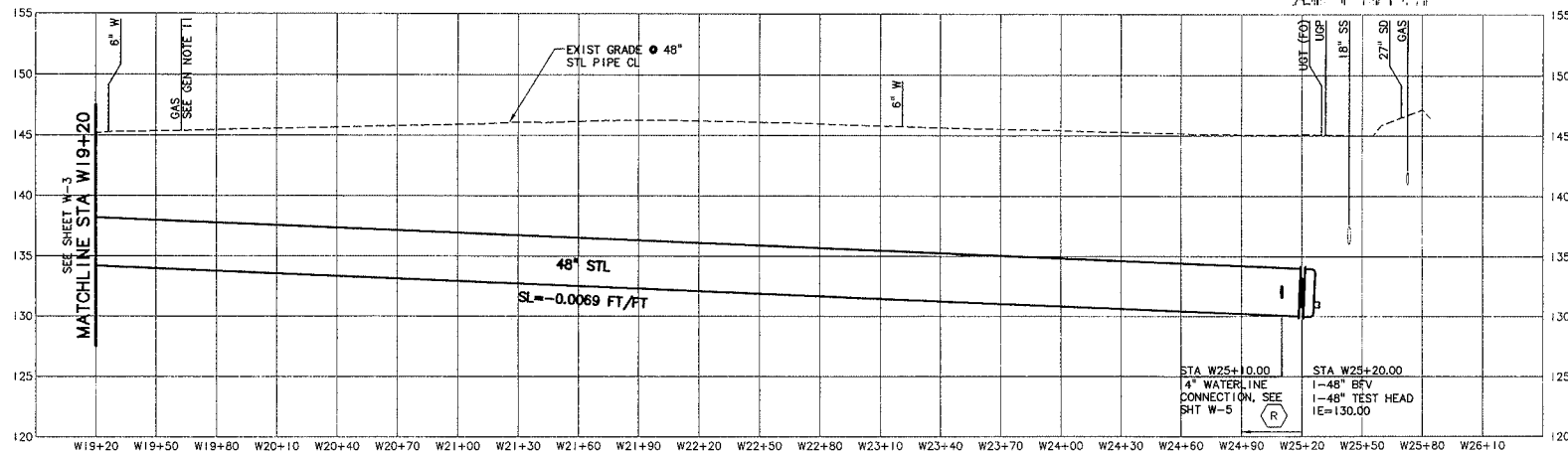
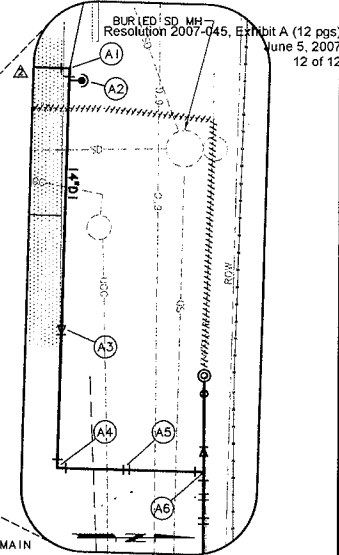
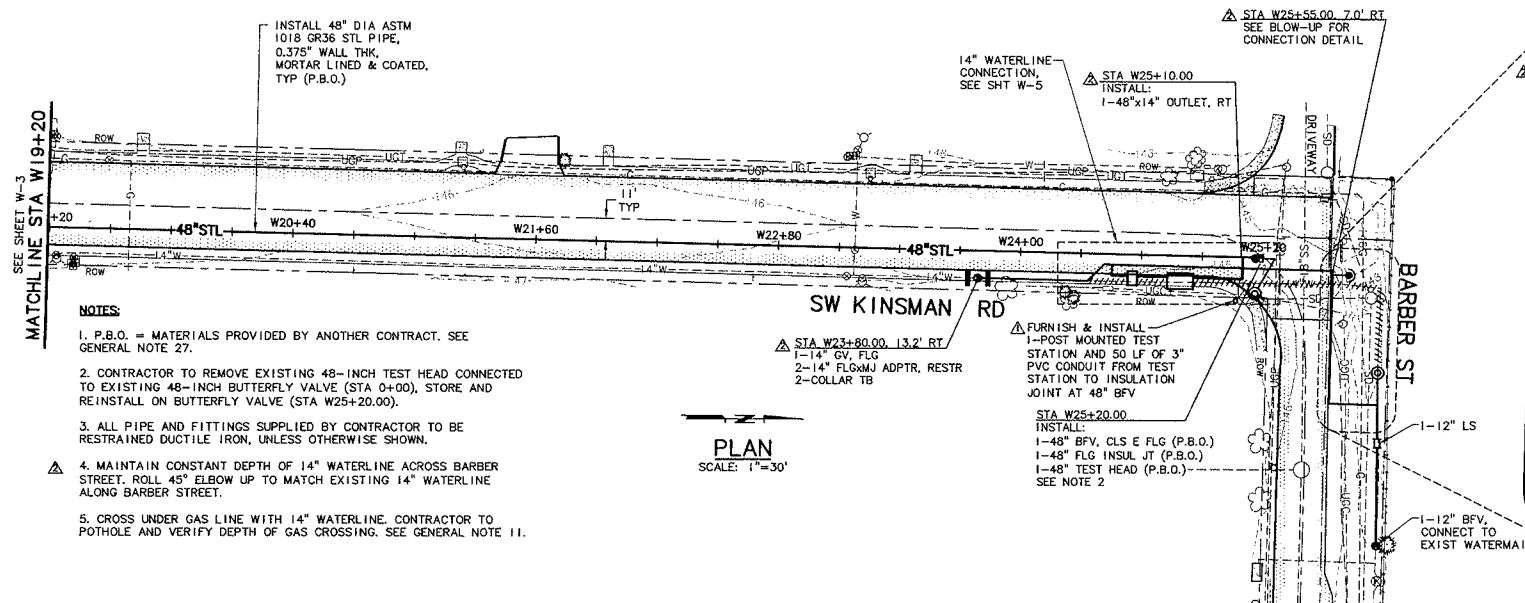


PROFILE
SCALE: 1"=30' HORIZ, 1"=5' VERT

<p>NO. DATE BY REVISION</p> <p>12-31-02 EES RECORD DRAWING</p>	<p>NOTICE</p> <p>0 1/2 1</p> <p>IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE</p>	<p>TPB DESIGNED HCM/BAH/DKH DRAWN PHS CHECKED</p>	<p>RECORD DRAWING</p> <p>SEE DISCLAIMER, SHEET 1.</p> <p>VERSION 4.1 12-9-97</p>	<p>MSA Murray, Smith & Associates, Inc. Engineers/Planners</p> <p>121 S.W. Salmon, Suite 800 Portland, Oregon 97204</p> <p>Phone 503-225-0019 Fax 503-225-0022</p>	<p>City of WILSONVILLE In OREGON</p> <p>SW KINSMAN ROAD WATERLINE AND ROADWAY IMPROVEMENTS</p>	<p>KINSMAN ROAD</p> <p>WATER - PLAN AND PROFILE</p> <p>STA W12+30 TO STA W19+20</p> <p>PROJECT NO.: 01-0546.210 SCALE: AS SHOWN DATE: MAY 2002</p>	<p>SHEET</p> <p>W-3</p> <p>8 of 25</p>
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- KEY NOTES**
- (A1) 1-14" 90° BEND, MJ, IE=141.0
 - (A2) 1-2" CARV ASSY, IE=141.3
 - (A3) 1-14"x12" RDCR
 - (A4) 1-12" 90° BEND, ROLL DOWN = 45°, IE=141.0
 - (A5) 1-12" 45° BEND, ROLL HORIZONTAL, IE=137.0
 - (A6) 1-12"x12" TEE, IE=137.0
 - 1-12" 45° BEND, ROLL UP
 - 1-12" 45° BEND, ROLL DOWN
 - 1-12"x6" RDCR
 - 1-6" GV
 - 1-6" BO ASSY

NO.	DATE	BY	REVISION
12-31-02		EE	RECORD DRAWING
11-02-02		EE	ADDENDA #1, #2, #3

NOTICE
0 1/2 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

RECORD DRAWING
SEE DISCLAIMER, SHEET 1.
VERSION 4.1
12-9-97

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City of WILSONVILLE
in OREGON
SW KINSMAN ROAD WATERLINE AND ROADWAY IMPROVEMENTS

KINSMAN ROAD
WATER - PLAN AND PROFILE
STA W19+20 TO STA W25+20
PROJECT NO.: 01-0546.210 SCALE: AS SHOWN DATE: MAY 2002

W-4
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