



CITY OF WEST LINN

CHESTNUT ST & SKYE PKWY

SMALL WATERLINE IMPROVEMENT 2014

PW-14-01

BENCHMARK

West Linn Benchmark Locations, NGS Survey Location
 Station Name: SALAMO
 Location: THE STATION IS LOCATED ABOUT 16.7 KM (10.4 MI) SOUTH OF PORTLAND, 2.7 KM (1.7 MI) WEST OF WEST LINN, 0.3 KM (0.2 MI) NORTHERLY OF PARKER ROAD, ON TOP OF A HILL, AT THE SOUTHEAST CORNER OF THE ROSEMONT RIDGE MIDDLE SCHOOL GROUNDS, IN T.2.S., R.1.E., W.M.
 USGC Quad: CANBY (1985). PID: AJ8196. State/County: OR/CLACKAMAS
 Station Name: SHERPHERD
 Location: THE STATION IS LOCATED ABOUT 13.4 KM (8.3 MI) SOUTH OF PORTLAND, 2.7 KM (1.7 MI) SOUTH OF LAKE OSWEGO, ON STATE HIGHWAY 43, AT THE ENTRANCE OF MARYLHURST UNIVERSITY, IN T.2.S., R.1.E.W.M.
 USGC Quad: LAKE OSWEGO (1984). PID: AJ8198. State/County: OR/CLACKAMAS



CITY OF WEST LINN
 22500 SALAMO ROAD
 WEST LINN, OREGON 97068
 WWW.WESTLINNOREGON.GOV
 PHONE: (503) 722-5500
 FAX: (503) 656-4106



EXPIRES: 12/31/2014

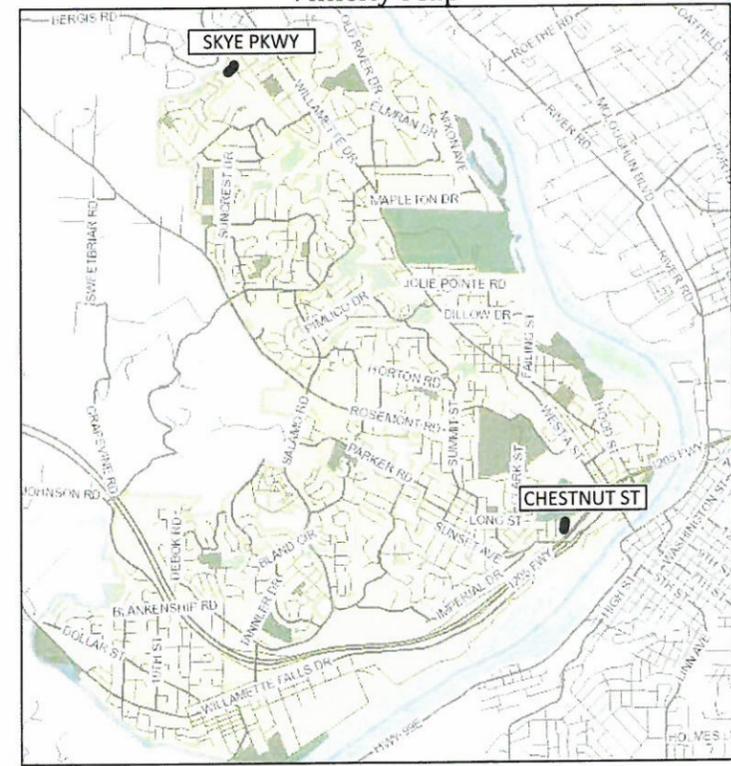
CONTRACTOR

NAME:
 ADDRESS:
 PHONE:
 FAX:

LEGEND

- NEW WATER MAIN
- NEW WATER MAIN (RESTRAINED JOINT)
- EXISTING WATER LINE
- ABANDON WATER LINE
- SANITARY SEWER LINE
- STORM LINE
- NEW FIRE HYDRANT
- NEW WATER VALVE
- NEW WATER METER & BOX
- SANITARY SEWER MANHOLE
- EXISTING HYDRANT (TO BE REMOVED)

Vinicity Map



SHEET INDEX	
SHEET NO.	SHEET TITLE
CS	COVER SHEET
GN	GENERAL NOTES
QT	ODOT INDEX SHEET
B1	CHESTNUT STREET
B2	SKYE PARKWAY
SD	STANDARD DETAILS

2014 SMALL WATERLINE IMPROVEMENTS
 COVER SHEET

UTILITY PROVIDERS

WATER:	CITY OF WEST LINN	PUBLIC WORKS	503-656-6081
STORM:	CITY OF WEST LINN	PUBLIC WORKS	503-656-6081
SEWER:	CITY OF WEST LINN	PUBLIC WORKS	503-656-6081
POWER:	PGE	MIKE HIEB	503-570-4412
STREET LIGHTS:	PGE	LORI SWANSON	503-742-8322
GAS:	NW NATURAL	JUDITH RANDLE	503-226-4211x2357
CATV:	COMCAST	KENNETH WILLS	360-793-9981
PHONE:	QWEST	KENNETH SCIULLI	503-242-0304

GENERAL NOTE
 All work within the public right-of-way shall conform to the current City of West Public Works Design Standards, Standard Construction Specifications, and Standard Drawings.

GIS BASE MAP INFORMATION
 Data Source: West Linn GIS
 OGIC Disclaimer: This product is for informational purposes and may not have been prepared for, or be suitable for legal, engineering, or surveying purposes. Users of this information should review or consult the primary data and information sources to ascertain the usability of the information.

811
 Know what's below. Call before you dig.
ATTENTION
 Oregon law requires you to follow rules adopted by the Oregon Utility Notification Center. Those rules are set forth in OAR 952-001-0010 through OAR 952-001-0090. You may obtain copies of the rules by calling the center. (Note: the telephone number for the Oregon Utility Notification Center is (503) 232-1987).

PROJECT NO.:	PW-14-01
DESIGNED BY:	KLE
DRAWN BY:	NBRENNAN
CHECKED BY:	ELAIS
DATE:	01/21/2014

REVISION	
DATE	DESCRIPTION

COVER SHEET

SCALE:

CS



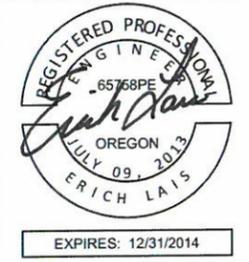
CITY OF WEST LINN

SMALL WATERLINE IMPROVEMENT 2014

PW-14-01



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GENERAL NOTES:

1. All construction shall conform to the latest City of West Linn Public Works Standard Construction Specifications and Standard Drawings. The ODOT standard specifications for construction will apply for measurement and payment.
2. This set of plans has been reviewed for compliance with City of West Linn requirements prior to issuance for construction. However such review shall not prevent the City Engineer from requiring correction of errors or omissions in plans found to be in violation of any law or ordinance.
3. The City Engineer does not warrant any quantities shown on these plans.
4. The Engineering Division, Inspection Section shall be notified twenty-four (24) hours prior to any construction work by telephone at 503-722-5501. Any work concealed without inspection shall be subject to removal and replacement at the Contractor's expense.
5. Any approved set of plans must be available on the job site at all times. The contractor's representative (capable of communicating with the City's representatives) shall be on the job at all times the work is being pursued.
6. The Contractor is responsible to provide emergency telephone numbers to the City of West Linn at time of receiving Project Notice to Proceed and have personnel available 24-hours a day to respond to emergencies. If the City is required to respond and make emergency repairs on behalf of the Contractor, the Contractor is responsible to reimburse the City for all costs incurred.
7. It is understood that there will be interfering utilities, service laterals, and other underground pipes, drains or structures encountered on underground projects that are not shown or are shown incorrectly on the plans and/or have not been previously discovered in the field. Contractor agrees this is a normal and usual occurrence in the construction of underground IMPROVEMENT. Furthermore, bidders understand and agree that work in some cases must be done in close proximity to said utilities and underground pipes, drains, and structures which may require a change in operations and may cause sloughing of the trench, additional traffic control, additional pavement and backfill costs, and time. The contractor agrees that a reasonable number of these occurrences are usual and ordinary on underground projects and are reflected in the bid and plan of operation.
8. It is the responsibility of the contractor to obtain any and all other permits and meet any requirements set forth by other agencies or utilities which have jurisdiction at the contractors expense.

WATER NOTES:

1. Water and sanitary sewer line crossings shall conform with the Oregon Administrative Regulation 333-061-0050(9).
2. The existing water lines to be taken out of service are marked on the drawings. These lines are to remain in service until the new lines are properly installed and tested, and water services have been connected. Approval from the City Engineer shall be obtained before any line is abandoned. The existing lines shall then be abandoned and their actual location and abandoned designation recorded on all record drawings. Unless called for otherwise, the abandoned lines will remain in the ground. The ends of all pipes which are abandoned shall be plugged with concrete or other methods approved by the City Engineer.
3. The contractor shall remove all existing valve boxes, meter boxes, hydrants and other fittings required to properly perform the scope of work, or as shown in the drawings. All such materials shall be transported to an area designated by the City and stockpiled. Materials shall be removed and handled in such a manner which will prevent damage. All other existing valves, meters and hydrants not used in the new system or not specified for removal will be removed by the city after the new system is in operation. Salvaged material shall remain the property of the City.
4. The abandoned existing pipe is to remain in the ground, unless otherwise specified. The contractor shall apply black bag the same day to all existing hydrants when permanently disconnected from service.
5. Pipe bedding and trench backfill are incidental to pipe.
6. It is the responsibility of the contractor to schedule water and sewer testing with the City inspector, per West Linn Standards.

TRAFFIC CONTROL GENERAL NOTES:

1. No road closure shall be allowed without City Engineer's prior approval as delegated by the City Manager.

The Contractor shall provide traffic control plan for City Approval
2. Traffic control shall conform to the ODOT Temporary Traffic Control Handbook and MUTCD. The Contractor shall submit a Traffic Control Plan to the City of West Linn Engineering Division for review and acceptance a minimum of 48-hours prior to construction. A copy of the accepted Traffic Control Plan must remain on the job site at all times.
3. Maintain vehicular, bicycle, pedestrian and emergency vehicle access to area homes throughout construction.

CONSTRUCTION NOTES:

1. Contractor shall provide erosion control best management practices per City of West Linn Standards. Provide catch basin protection and continual sweeping so that no mud, sediment, or rock is left on the streets, with no additional compensation.
2. The contractor is responsible for all construction surveying and construction staking for the project with no additional compensation.
3. Drain abandoned pipes and plug watertight. Plug abandoned pipes with gasketed mechanical plugs or grout seals, as directed.
4. All new water main and services shall be tested and approved prior to connection. All tests to follow West Linn Standard Section 403.
5. Water used for construction must be filled at the designated fire hydrant located in front of second driveway entrance at the Willamette Market Place on 8th Avenue - West of 10th St and South of I-205. No hydrant meters will be provided, except for when testing the water main.
6. Contractor shall provide ingress and egress to residential driveways with limited delay.
7. Working Hours: 7:00 AM - 5:00 PM Monday - Friday
9:00 AM - 5:00 PM Saturday - Sunday & Holidays

CONTRACTOR

NAME:
ADDRESS:

PHONE:
FAX:

2014 SMALL WATERLINE IMPROVEMENTS

GENERAL NOTES

PROJECT NO.: PW-14-01
DESIGNED BY: KLE
DRAWN BY: NBRENNAN

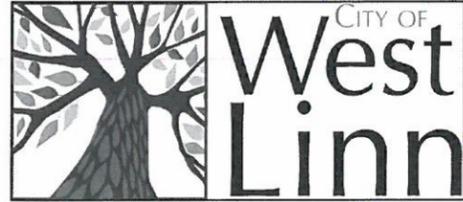
CHECKED BY: ELAIS
DATE: 01/21/2014

REVISION
DATE DESCRIPTION

COVER SHEET

SCALE:

GN



CITY OF WEST LINN

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PW-14-01



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CONTRACTOR

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	ODOT SPEC	DESCRIPTION	TOTAL QUANTITY	UNIT
1	00210	MOBILIZATION/DEMOBILIZATION	1	LS
2	00225	TRAFFIC CONTROL	1	LS
3	01160	HYDRANT REMOVAL	1	EA
4	01150	ABANDON GATE VALVE	1	EA
3	01140	6 INCH CONNECTION TO EXISTING 6 INCH MAIN	2	EA
5	01140	6 INCH DIP, FITTINGS & COUPLINGS W/ RESTRAINED JOINTS AND CLASS B BACKFILL	27*	LF
6	01140	8 INCH DIP, FITTINGS & COUPLINGS, CLASS B BACKFILL	240*	LF
7	01140	8 INCH DIP, FITTINGS & COUPLINGS W/ RESTRAINED JOINTS AND CLASS B BACKFILL	438*	LF
8	01170	1 INCH WATER SERVICE CONNECTION	4	EA
9	01170	2 INCH WATER SERVICE CONNECTION	1	EA
9	01150	6 INCH GATE VALVE	3	EA
10	01150	8 INCH GATE VALVE	1	EA
11	01140	THRUST BLOCKING	6	EA
12	01160	HYDRANT ASSEMBLY	2	EA
13	00495	TRENCH RESURFACING: 4" MIN. OF LEVEL 3, 1/2" HMAC	226	YD ²
16	00405	ROCK EXCAVATION	45	YD ³

*FITTING EQUIVALENT PIPE LENGTH PER ODOT SPEC 01140

2014 SMALL WATERLINE IMPROVEMENTS
 ODOT INDEX SHEET

PROJECT NO.: PW-14-01
 DESIGNED BY: KLE
 DRAWN BY: NBRENNAN
 CHECKED BY: ELAIS
 DATE: 01/21/2014

DATE	REVISION DESCRIPTION

COVER SHEET
 SCALE:

QT

PLAN



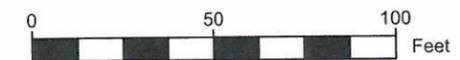
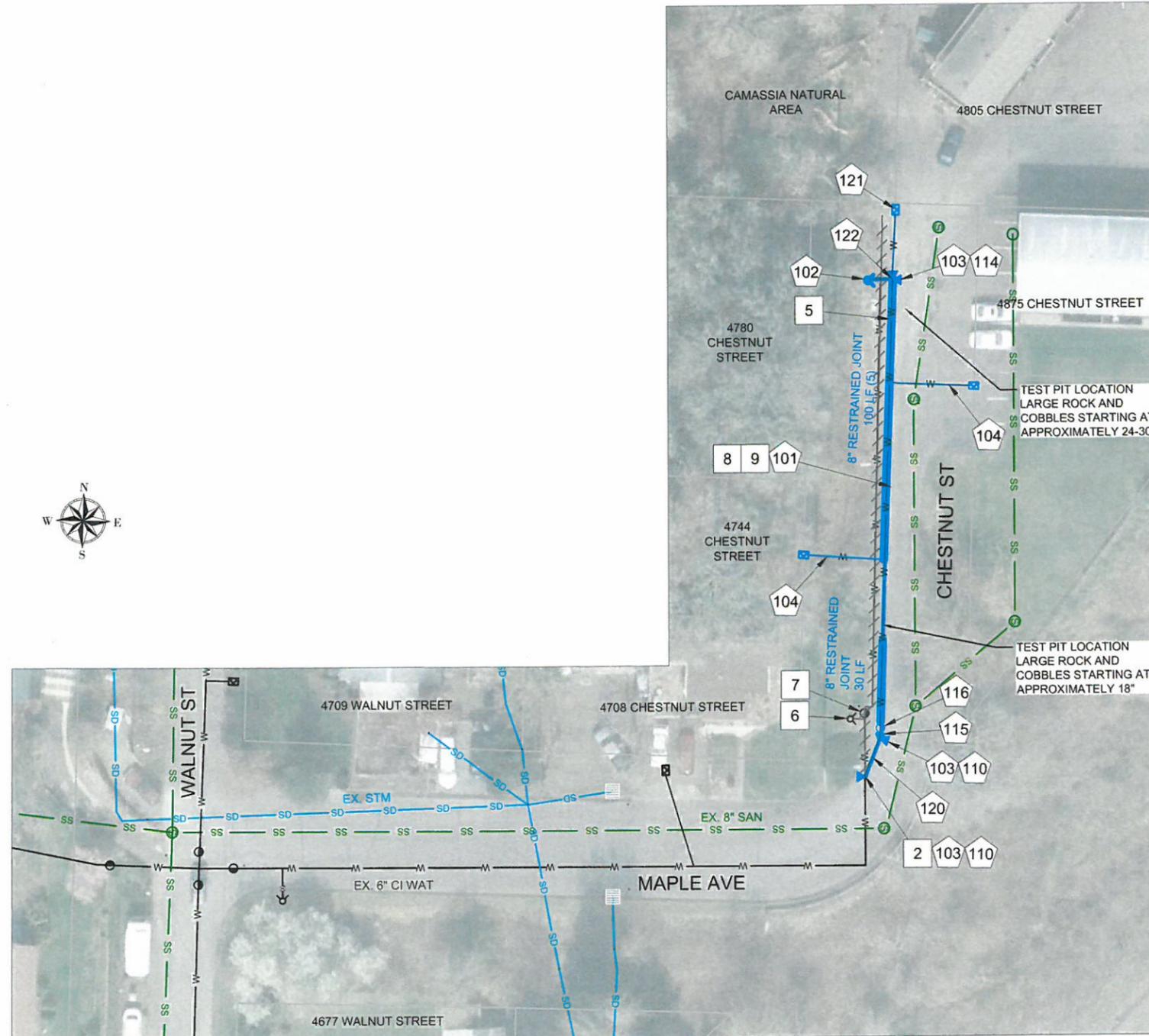
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CONTRACTOR

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CONSTRUCTION NOTES

NO	DESCRIPTION	UNIT	QTY
101	8" DUCTILE IRON PIPE	LF	165
102	FIRE HYDRANT W/ VALVE, VB & C, PER DETAIL WL-401	EA	1
103	THRUST BLOCK, PER DETAIL WL-406	EA	4
104	INSTALL NEW 1" WATER SERVICE AND BOX, CITY TO INSTALL METER	EA	2
110	6" - 22.5" BEND, RESTRAINED JOINT	EA	2
114	8"x8"x6" MJ xMJx FLG TEE, RESTRAINED JOINT	EA	1
115	8"x6" FLGxFLG REDUCER	EA	1
116	8" GATE VALVE, VB & C, FLG x MJ, PER DETAIL WL-411	EA	1
119	ROCK EXCAVATION	YD ³	45
120	6" DUCTILE IRON PIPE	LF	15
121	INSTALL NEW 2" WATER SERVICE AND BOX, CITY TO INSTALL METER	EA	1
122	MJ PLUG, THREADED 2"	EA	1
GENERAL CONSTRUCTION NOTES			
2	CONNECT NEW WATERLINE TO EXISTING WATERLINE		
5	EXISTING WATER LINE TO BE ABANDONED IN PLACE		
6	CONTRACTOR TO REMOVE ALL EXISTING METER BOXES, VALVE BOXES, AND HYDRANTS, SALVAGE TO CITY OF WEST LINN (TYP.)		
7	ABANDON EXISTING GATE VALVE IN PLACE		
8	STREET CUT AND TRENCH BACKFILL PER DETAIL WL-200 & WL-203		
9	PLACE NEW WATER LINE 10' FROM EX. SANITARY SEWER. CONSULT AND GET APPROVAL FROM CITY FOR SPACING LESS THAN 10'		

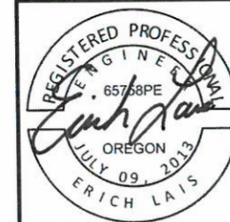


2014 SMALL WATERLINE IMPROVEMENT

CHESTNUT ST

REVISION

DATE	DESCRIPTION



PROJECT NO.: PW-14-01
 DESIGNED BY: KLE
 DRAWN BY: NBRENNAN
 CHECKED BY: ELAIS
 DATE: 01/21/2014

PLAN
 SCALE:

B1

PLAN



CITY OF WEST LINN
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CONTRACTOR

NAME:
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 FAX:

CONSTRUCTION NOTES

NO	DESCRIPTION	UNIT	QTY
101	8" DUCTILE IRON PIPE	LF	445
102	FIRE HYDRANT W/ VALVE, VB & C, PER DETAIL WL-401	EA	1
103	THRUST BLOCK, PER DETAIL WL-406	EA	2
104	INSTALL NEW 1" WATER SERVICE AND BOX, CITY TO INSTALL METER	EA	2
105	6"x6"x8" FLGxFLGxFLG TEE, RESTRAINED JOINT	EA	1
106	8"x8"x6" MJxMJxFLG TEE, RESTRAINED JOINT	EA	1
107	8" DI PLUG WITH MEGALUG BOLTS	EA	1
108	6" GATE VALVE, VB & C, FLG x MJ, PER DETAIL WL-411	EA	2
116	8" GATE VALVE, VB & C, FLG x MJ, PER DETAIL WL-411	EA	1
109	8" - 11.25" MJ ELBOW RESTRAINED JOINT	EA	1

GENERAL CONSTRUCTION NOTES

- 1 CONNECT NEW WATERLINE TO EXISTING WATERLINE
- 2 NEW WATER SHALL BE PLACED MINIMUM 5' FROM FACE OF CURB WITH A MINIMUM 3' OF COVER.
- 3 WHERE UTILITY CROSSING OCCURS, A MINIMUM 12" VERTICAL SEPARATION SHALL BE REQUIRED. 18" VERTICAL SEPARATION SHALL BE REQUIRED BETWEEN WATER AND SANITARY SEWER.
- 4 EXISTING METER AND WATER SERVICE LINE TO 1358 SKYE PARKWAY SHALL BE ABANDONED IN PLACE
- 8 STREET CUT AND TRENCH BACKFILL PER DETAIL WL-200 & WL-203

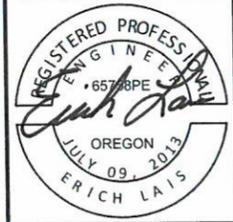
2014 SMALL WATERLINE IMPROVEMENT

SKYE PARKWAY

REVISION

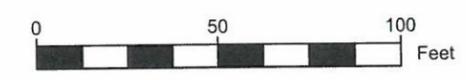
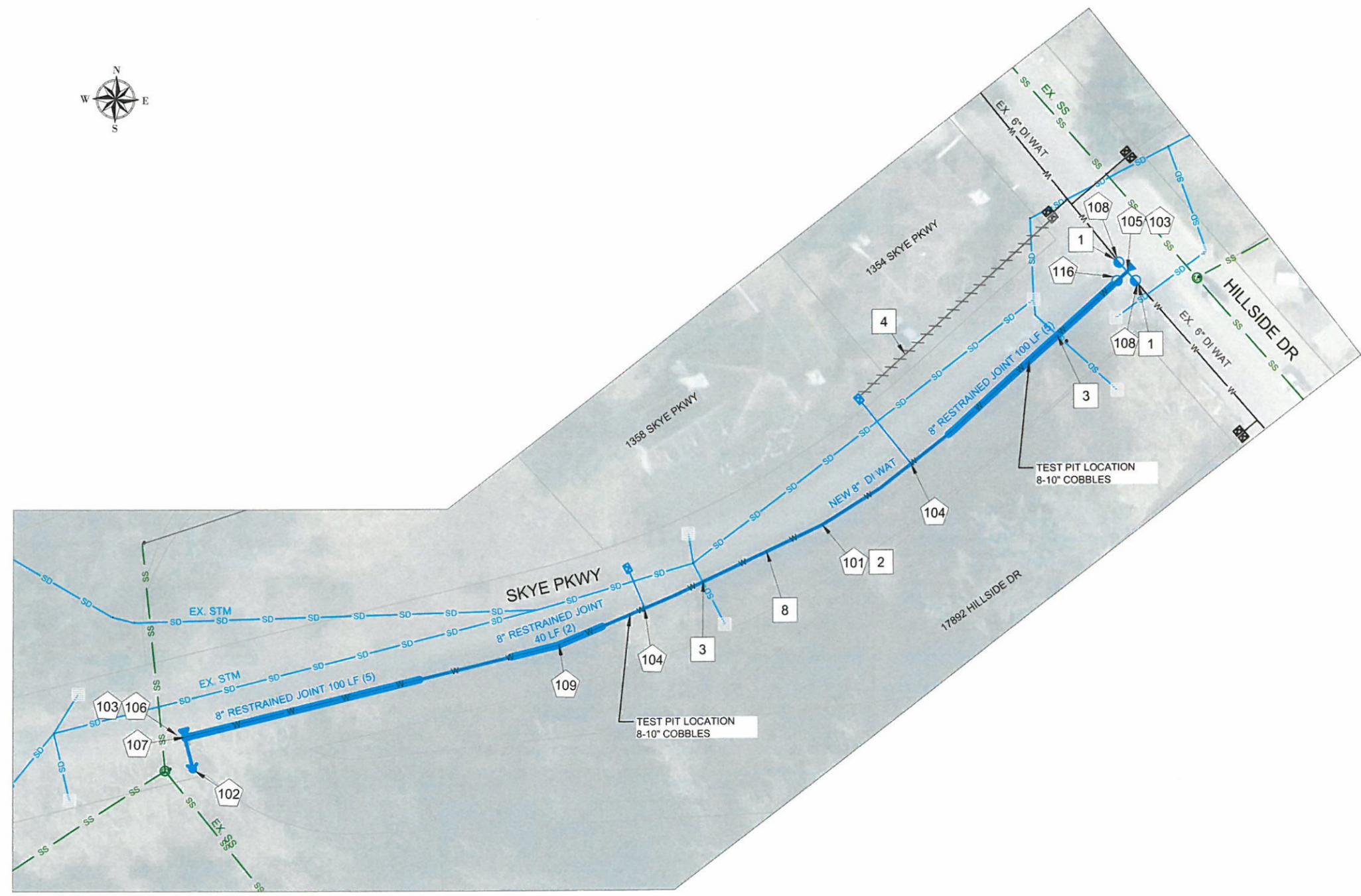
DATE	DESCRIPTION

PROJECT NO.: PW-14-01
 DESIGNED BY: KLE
 DRAWN BY: NBRENNAN
 CHECKED BY: ELAIS
 DATE: 01/21/2014



PLAN

SCALE: **B2**





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22500 SALAMO ROAD
WEST LINN, OREGON 97068
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EXPIRES: 12/31/2014

CONTRACTOR
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2014 SMALL WATERLINE
IMPROVEMENT
WEST LINN PUBLIC WORKS STANDARD
DETAIL DRAWINGS

PROJECT NO.: PW-14-01
DESIGNED BY: KLE
DRAWN BY: NBRENNAN
CHECKED BY: ELAIS
DATE: 01/21/2014

REVISION	
DATE	DESCRIPTION

STANDARD DETAILS
SCALE:
SD

