

**CITY OF WEST LINN  
JOHNSON ROAD CULVERT  
PROJECT NO. PW0507**

**CLACKAMAS COUNTY, OREGON**

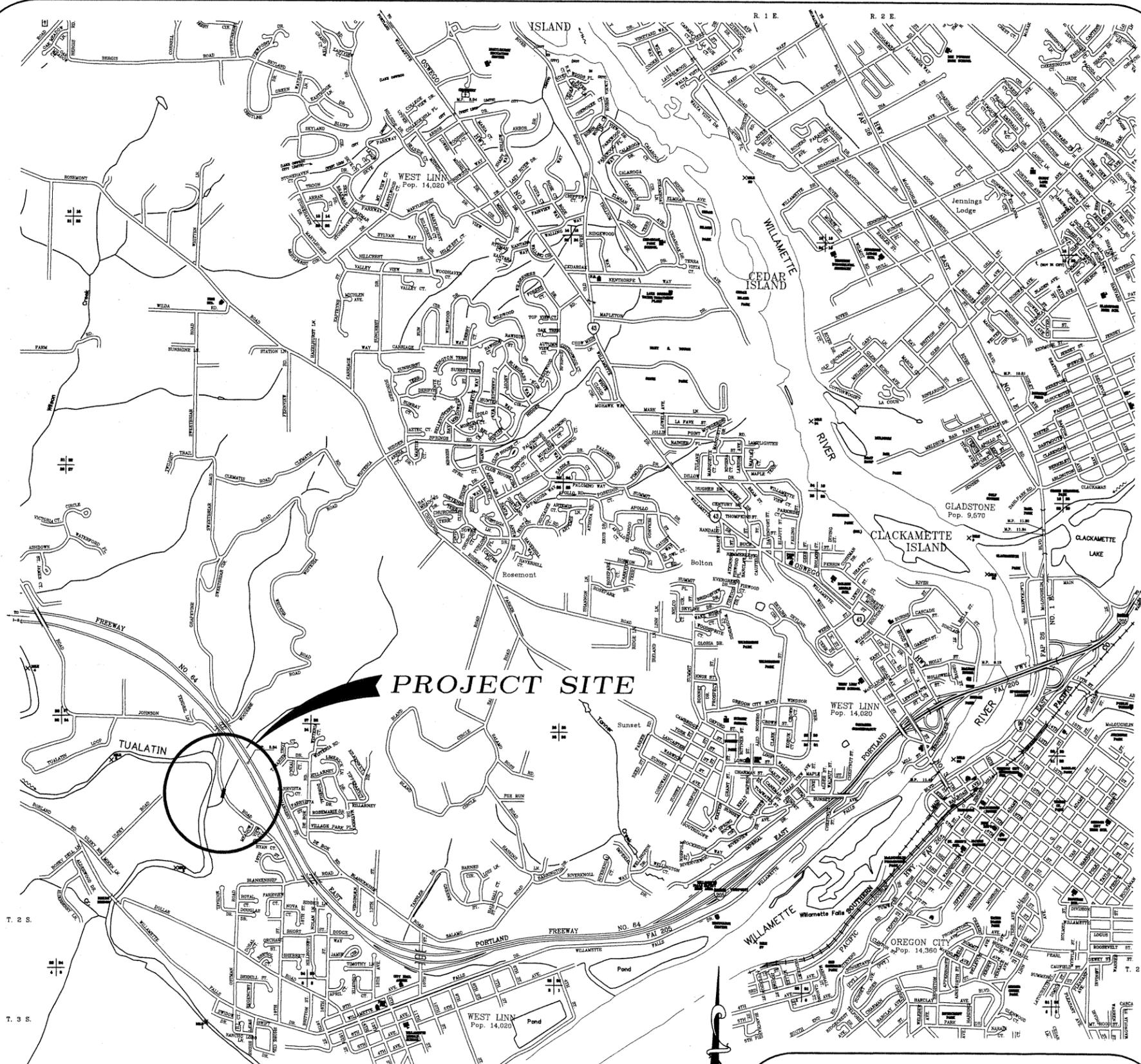
**APRIL 2005**

**SHEET INDEX**

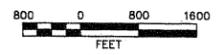
SHEET NO.	DESCRIPTION	FILE NO.
1	VICINITY MAP AND TITLE SHEET	3370C1
2	JOHNSON ROAD CULVERT PLAN AND PROFILE	3370C2
3	MISCELLANEOUS DETAILS	3370C3

**PROJECT LEGEND**

⊙	EXISTING MANHOLE	— 6" CI W —	EXISTING WATER LINE
⊕	EXISTING POWER POLE	- - - - - P -	EXISTING UNDERGROUND POWER
⊗	EXISTING CATCH BASIN	- - - - - SAN -	EXISTING SANITARY SEWER LINE
⊛	EXISTING LIGHT POLE	- - - - - ST -	EXISTING STORM SEWER LINE
⊙	EXISTING WATER VALVE	- - - - - 2" G -	EXISTING GAS LINE
⊙	EXISTING WATER METER	- - - - -	EXISTING TELEPHONE LINE
⊙	EXISTING GAS VALVE	- - - - -	ROAD CENTERLINE
⊙	EXISTING GAS METER	- - - - -	EXIST. FENCE
⊙	EXISTING MAILBOX	- - - - -	PROPERTY LINE
⊙	EXISTING FIRE HYDRANT	- - - - -	EXISTING EDGE OF PAVEMENT
⊙	EXISTING STREET SIGN	- - - - -	EXISTING EDGE OF GRAVEL
⊙	EXISTING TELEPHONE PEDESTAL	⊙	EXISTING TREES
⊙	EXISTING CONTROL BOX	⊙	EXISTING SHRUB
⊙	EXISTING RAILROAD WARNING DEVICE	⊙	AC PAVED AREAS
⊙	EXISTING TRAFFIC SIGNAL J-BOX		
⊙	EXISTING SPRINKLER HEAD		
⊙	FOUND IRON ROD		
⊙	NEW MANHOLE		
⊙	NEW CATCH BASIN		
⊙	NEW CURB INLET		



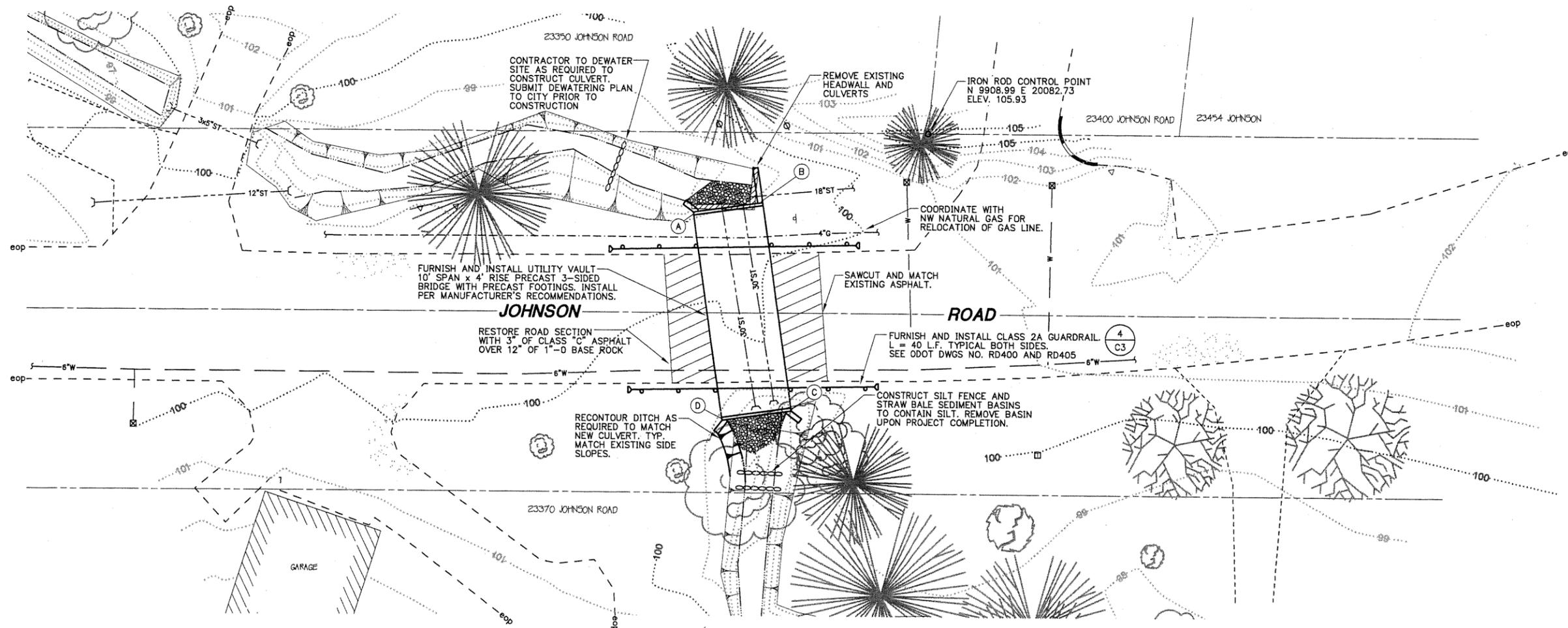
**WEST LINN AND VICINITY  
CLACKAMAS COUNTY, OREGON**



**CALL BEFORE YOU DIG!  
ONE CALL: 1-800-332-2344**

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.

PREPARED BY:  
**LEE ENGINEERING, INC.  
CONSULTING ENGINEERS  
1300 JOHN ADAMS STREET  
OREGON CITY, OREGON 97045  
(503) 655-1342**



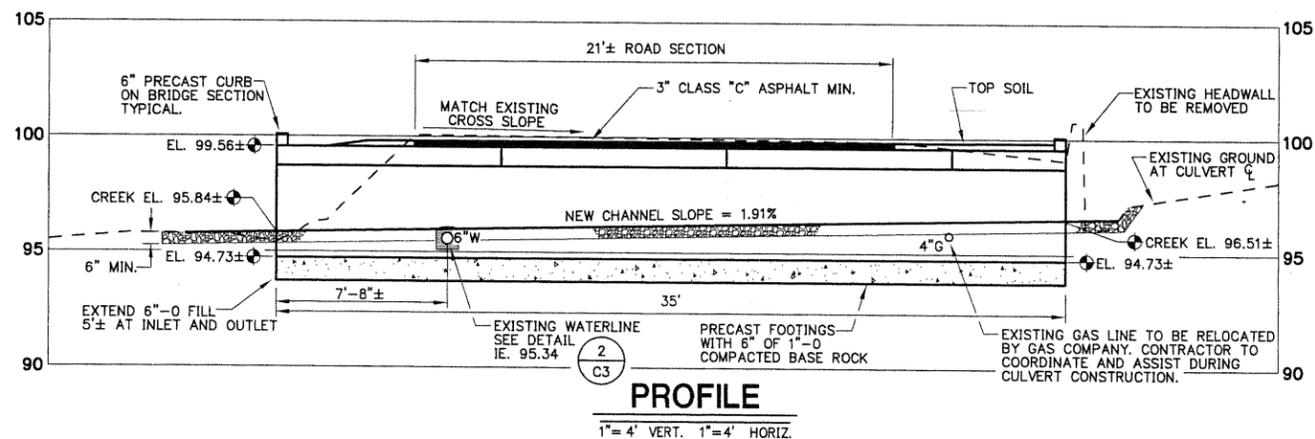
**PLAN**  
1" = 10'

**END OF FOOTING**

(A)	N 9941.24	E 20057.03	ELEV. 94.73
(B)	N 9931.67	E 20062.10	ELEV. 94.73
(C)	N 9915.28	E 20031.17	ELEV. 94.73
(D)	N 9924.86	E 20026.10	ELEV. 94.73

**CONSTRUCTION NOTES:**

- EXISTING UTILITY LOCATIONS SHOWN ON THE DRAWINGS ARE APPROXIMATE ONLY AND ADDITIONAL UTILITIES MAY EXIST. CONTRACTOR SHALL HAVE UTILITIES LOCATED IN ACCORDANCE WITH ORS 952-001-0010 THROUGH 952-001-0090 PRIOR TO CONSTRUCTION.
- CONTRACTOR SHALL VERIFY LOCATION AND DEPTH OF ALL EXISTING UTILITIES WHERE FACILITIES CROSS. CONTRACTOR SHALL POT HOLE EXISTING UTILITIES AHEAD OF LAYING CULVERT AT ALL CROSSINGS. IF CONFLICTS ARISE, THE CONTRACTOR SHALL NOTIFY THE OWNER PRIOR TO CONSTRUCTION.
- ALL EXISTING UTILITIES DISTURBED BY CONSTRUCTION SHALL BE REPAIRED IMMEDIATELY AND THE RESPECTIVE UTILITY COMPANY NOTIFIED OF THE DISTURBANCE WITHOUT DELAY.
- CONTRACTOR SHALL COORDINATE ALL STREET AND SIDEWALK CLOSURES WITH THE CITY. CONTRACTOR SHALL SUPPLY SIGNING AND BARRICADES AS REQUIRED TO ASSURE AUTOMOTIVE AND PEDESTRIAN SAFETY. CONTRACTOR SHALL SUBMIT TRAFFIC CONTROL PLAN TO THE CITY PRIOR TO STARTING CONSTRUCTION.
- CONTRACTOR SHALL SUBMIT "AS-BUILT" INFORMATION TO THE CITY UPON COMPLETION OF CONSTRUCTION.
- CONTRACTOR SHALL INFORM CITY 48 HOURS IN ADVANCE OF CONSTRUCTION.
- ALL WORK SHALL BE IN CONFORMANCE WITH CITY OF WEST LINN SPECIFICATIONS AND ORDINANCE.
- CONTRACTOR SHALL MAINTAIN ONE LANE OF TRAFFIC DURING CONSTRUCTION HOURS. PROVIDE SURFACE RESTORATION AT THE END OF EACH DAY'S WORK. CONTRACTOR MAY ELECT TO USE STEEL PLATE COVERS OVER THE DAILY WORK IN LIEU OF BACKFILLING THE CULVERT. MAINTAIN TWO LANES OF TRAFFIC AFTER CONSTRUCTION HOURS.
- LINE AND GRADE SHALL BE MAINTAINED AS SHOWN ON THE PLANS OR AS ESTABLISHED BY THE ENGINEER. VARIATIONS OF MORE THAN 1/2 INCH FOR LINE AND 1/4 INCH FOR GRADE WILL NOT BE PERMITTED.
- MAINTAIN BYPASS AS REQUIRED. CONTRACTOR SHALL DIVERT STREAM FLOW IN A MANNER ACCEPTABLE TO THE FISH AND WILDLIFE DEPARTMENT AND SUCH THAT THE WORK IS PROTECTED UNTIL COMPLETE.
- CITY WILL FURNISH SURVEYING AS REQUIRED FOR NEW CONSTRUCTION.
- NOTIFY AND COORDINATE WITH APPROPRIATE UTILITY COMPANY ALL WORK THAT EFFECTS EXISTING UTILITIES.
- CONTRACTOR SHALL RESTORE CHANNEL BOTTOM TO NATURAL CONDITION. CONTOUR WITH WELL GRADED 6"-0 CRUSHED ROCK. CONTRACTOR SHALL SUBMIT A SAMPLE TO THE CITY FOR APPROVAL PRIOR TO CONSTRUCTION.
- SEED ALL DISTURBED AREAS NOT RECEIVING A HARD SURFACE UPON COMPLETION OF CONSTRUCTION.
- CONTRACTOR TO PERFORM WORK WITHIN PERMIT REQUIREMENTS.
- CONTRACTOR TO VERIFY CULVERT CHANNEL COMPACTION METHOD WITH CITY PRIOR TO CONSTRUCTION.



**PROFILE**  
1" = 4' VERT. 1" = 4' HORIZ.

ALL DIMENSIONS SHALL BE OBTAINED FROM DIMENSIONS SHOWN ON DRAWING, NOT FROM SCALING BY ANY MEANS.

DATE	NO.	REVISION	BY	DES.	REM	FILENAME:	PROJECT:
						3370C2	
						SCALE: AS SHOWN	DATE: APR 2005
						APPROVED:	

**CITY OF WEST LINN  
JOHNSON ROAD CULVERT  
PROJECT NO. PWO507**

**JOHNSON ROAD CULVERT  
PLAN AND PROFILE**

**LEE ENGINEERING, INC.  
CONSULTING ENGINEERS  
OREGON CITY, OREGON**

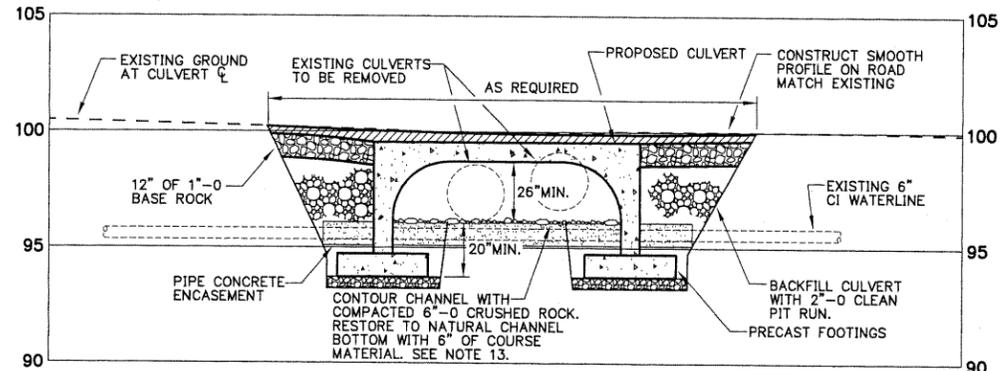
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JOB NO. 3370

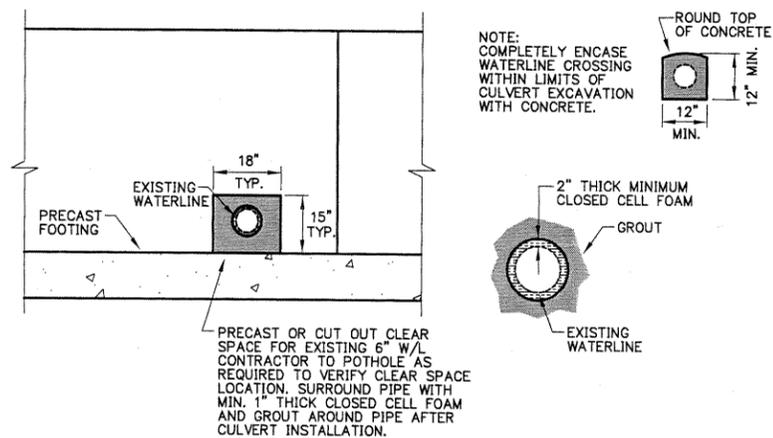
SHEET NO. C2

3

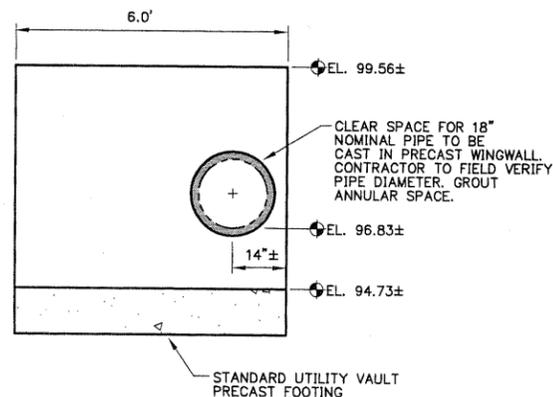
REGISTERED PROFESSIONAL ENGINEER 72479  
Oregon  
OREGON  
JULY 15, 2003  
FRAN EDWARD MILKOVSKI  
EXPIRATION DATE: 12/31/06



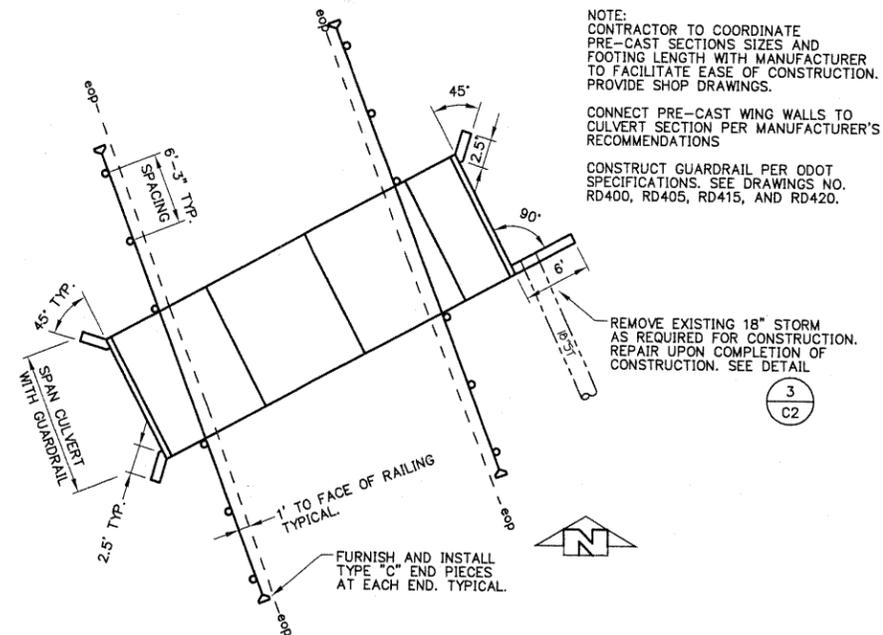
**1**  
C3  
**TYPICAL SECTION**  
1" = 4' VERT. 1" = 4' HORIZ.



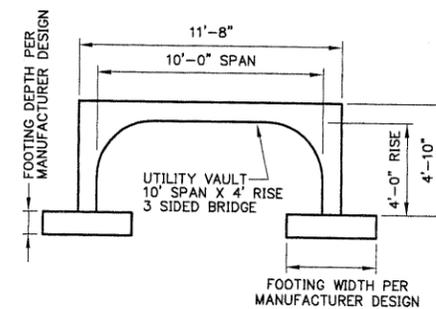
**2**  
C3  
**UTILITY CROSSING DETAIL**  
N.T.S.



**3**  
C3  
**SOUTHEAST WINGWALL DETAIL**  
N.T.S.



**4**  
C3  
**CULVERT PLAN DETAIL**  
N.T.S.



**5**  
C3  
**CULVERT SECTION DETAIL**  
N.T.S.

NOTE:  
CONTRACTOR TO COORDINATE PRE-CAST SECTIONS SIZES AND FOOTING LENGTH WITH MANUFACTURER TO FACILITATE EASE OF CONSTRUCTION. PROVIDE SHOP DRAWINGS.  
CONNECT PRE-CAST WING WALLS TO CULVERT SECTION PER MANUFACTURER'S RECOMMENDATIONS  
CONSTRUCT GUARDRAIL PER ODOT SPECIFICATIONS. SEE DRAWINGS NO. RD400, RD405, RD415, AND RD420.

REMOVE EXISTING 18" STORM AS REQUIRED FOR CONSTRUCTION. REPAIR UPON COMPLETION OF CONSTRUCTION. SEE DETAIL.

DATE	NO.	REVISION	BY	DES.	REM	FILENAME:	PROJECT:
				REM		3370C3	
				REM		AS SHOWN	DATE: APR 2005
				JDE		APPROVED:	

CITY OF WEST LINN  
JOHNSON ROAD CULVERT  
PROJECT NO. PWO507

SHEET TITLE:  
MISCELLANEOUS DETAILS

LEE ENGINEERING, INC.  
CONSULTING ENGINEERS  
OREGON CITY, OREGON

3370C3.DWG 04/19/05 14:32:28

JOB NO. 3370

SHEET NO. C3

3

EXPIRATION DATE: 12/31/06

REGISTERED PROFESSIONAL ENGINEER 72478  
Oregon Edward Milbank  
OREGON JULY 15, 2003  
FRAN EDWARD MILKOWSKI