

AS-BUILT
**CITY OF WEST LINN
 STORM SEWER IMPROVEMENTS
 PROJECT NO. PW0216, PW0111**

CLACKAMAS COUNTY, OREGON

MAY 2002

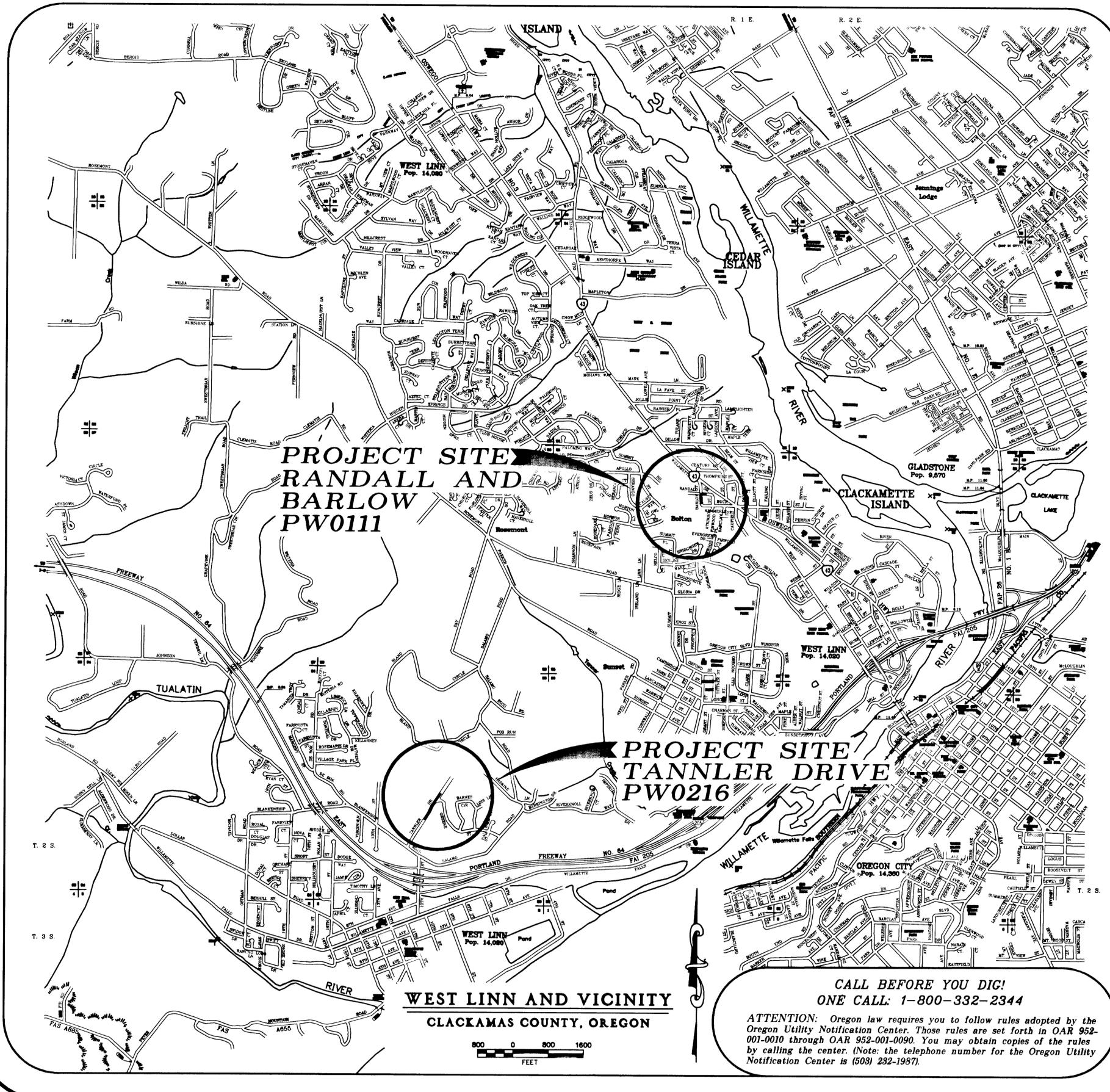
DRAWINGS OF RECORD: APRIL 2003

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PROJECT LEGEND

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

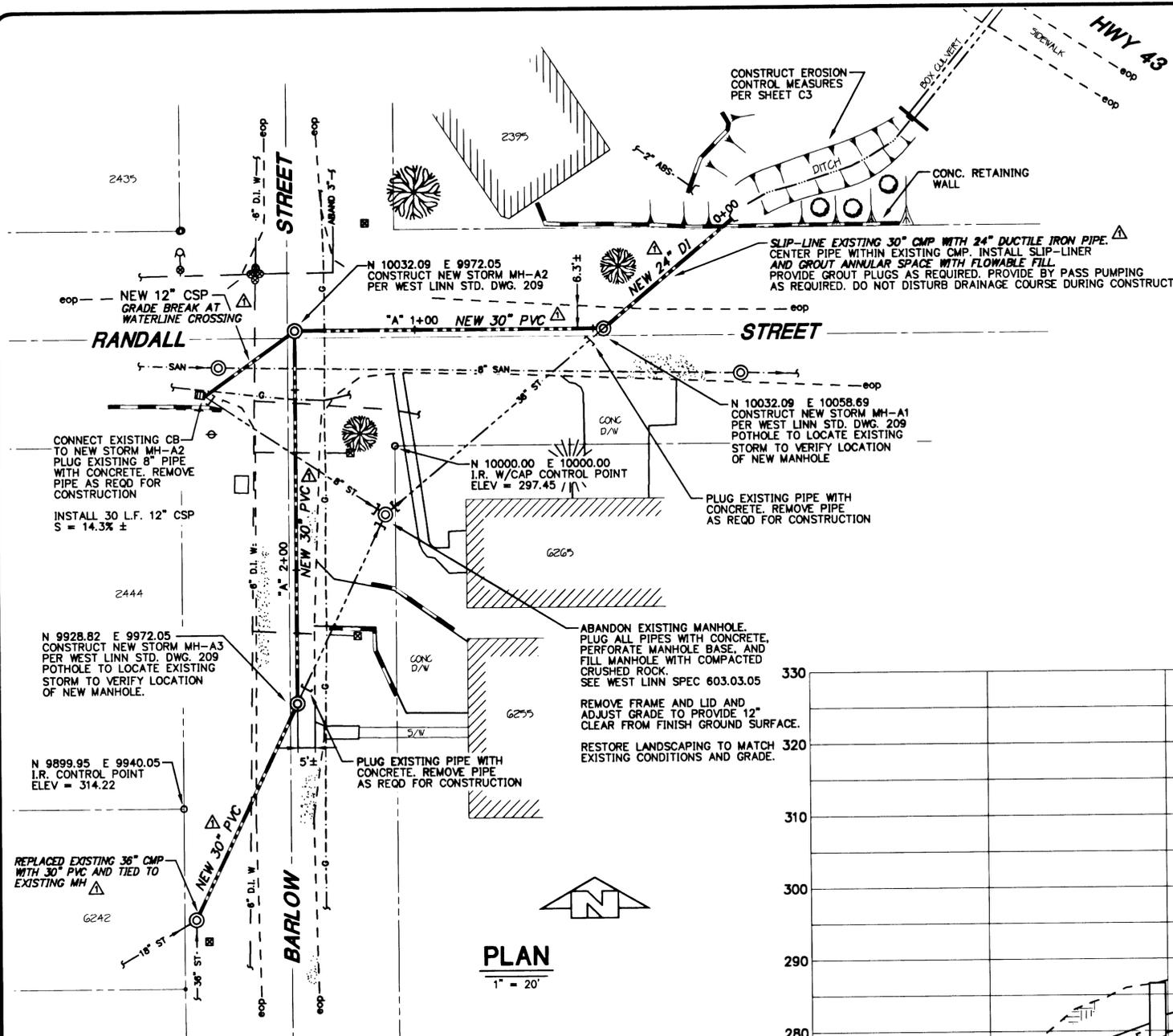


CALL BEFORE YOU DIG!
 ONE CALL: 1-800-332-2344

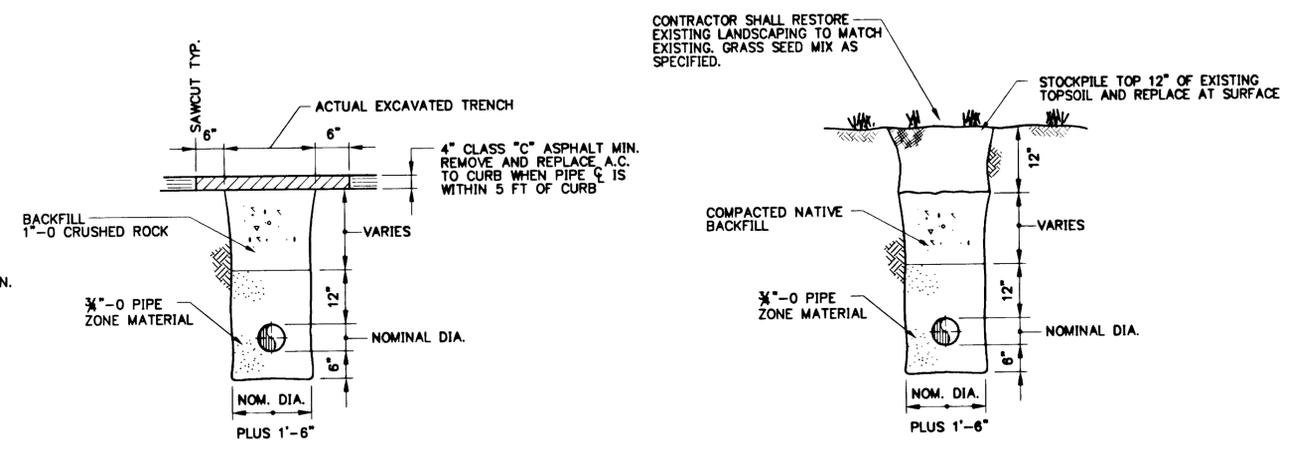
ATTENTION: Oregon law requires you to follow rules adopted by the Oregon Utility Notification Center. Those rules are set forth in OAR 952-001-0010 through OAR 952-001-0090. You may obtain copies of the rules by calling the center. (Note: the telephone number for the Oregon Utility Notification Center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

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

WEST LINN AND VICINITY
 CLACKAMAS COUNTY, OREGON

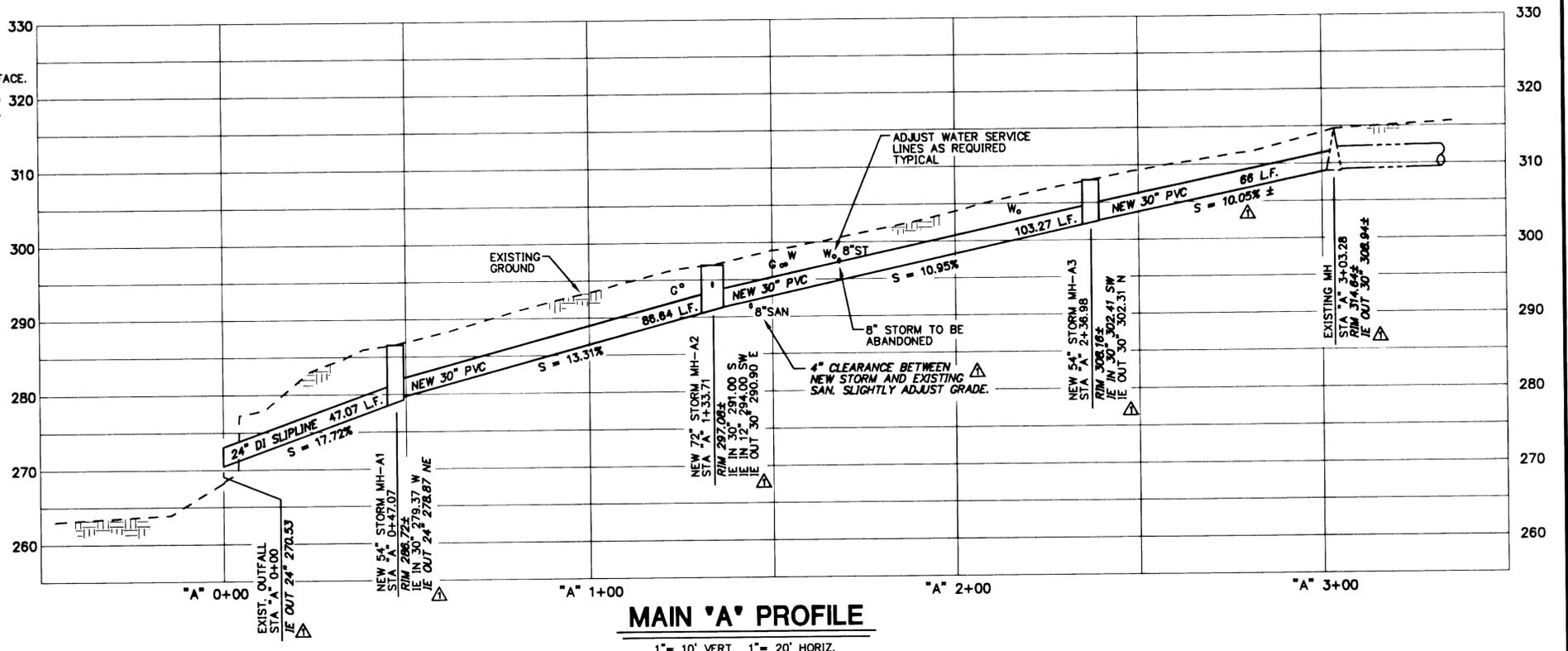


PLAN
1" = 20'



TYPICAL TRENCH SECTION WITH PAVEMENT SURFACE RESTORATION
N.T.S.

TYPICAL TRENCH SECTION WITH LANDSCAPE SURFACE RESTORATION
N.T.S.



MAIN 'A' PROFILE
1" = 10' VERT. 1" = 20' HORIZ.

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

DATE	REV.	REVISION	BY	CHK	REM	PROJECT NO.	DATE
APR 2003	1	DRAWING OF RECORD	MJD	JDE	REM	2928C1.1D	MAY 2002
		AS-BUILT					

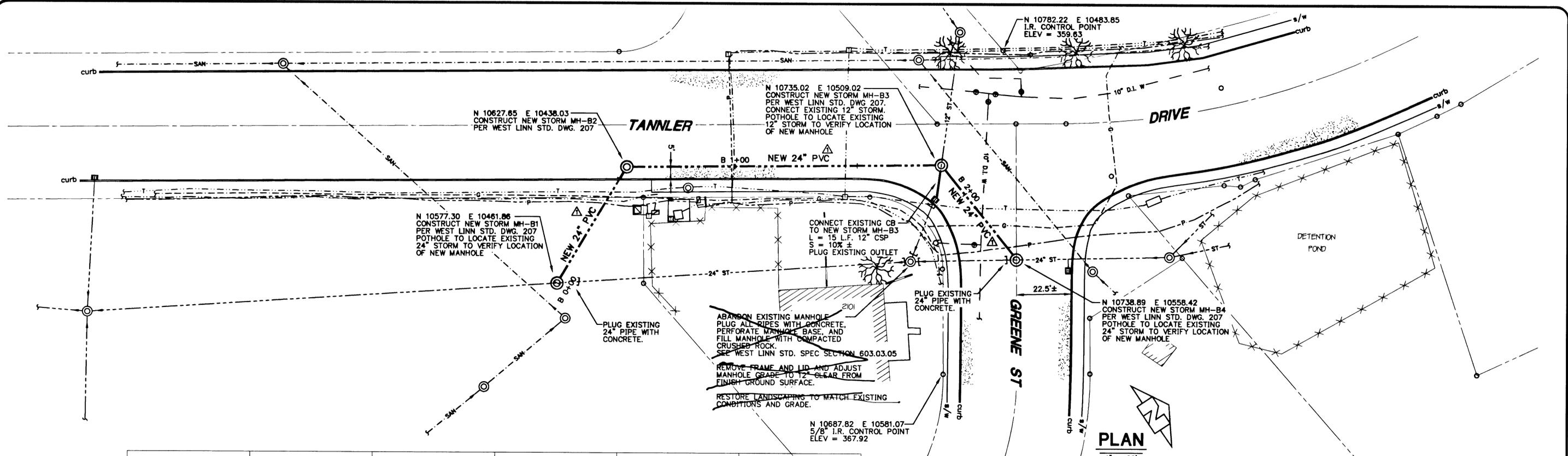
CITY OF WEST LINN
STORM SEWER IMPROVEMENTS
PROJECT NO. PW0111

RANDALL ST. / BARLOW ST.
MAIN 'A' - PLAN AND PROFILE

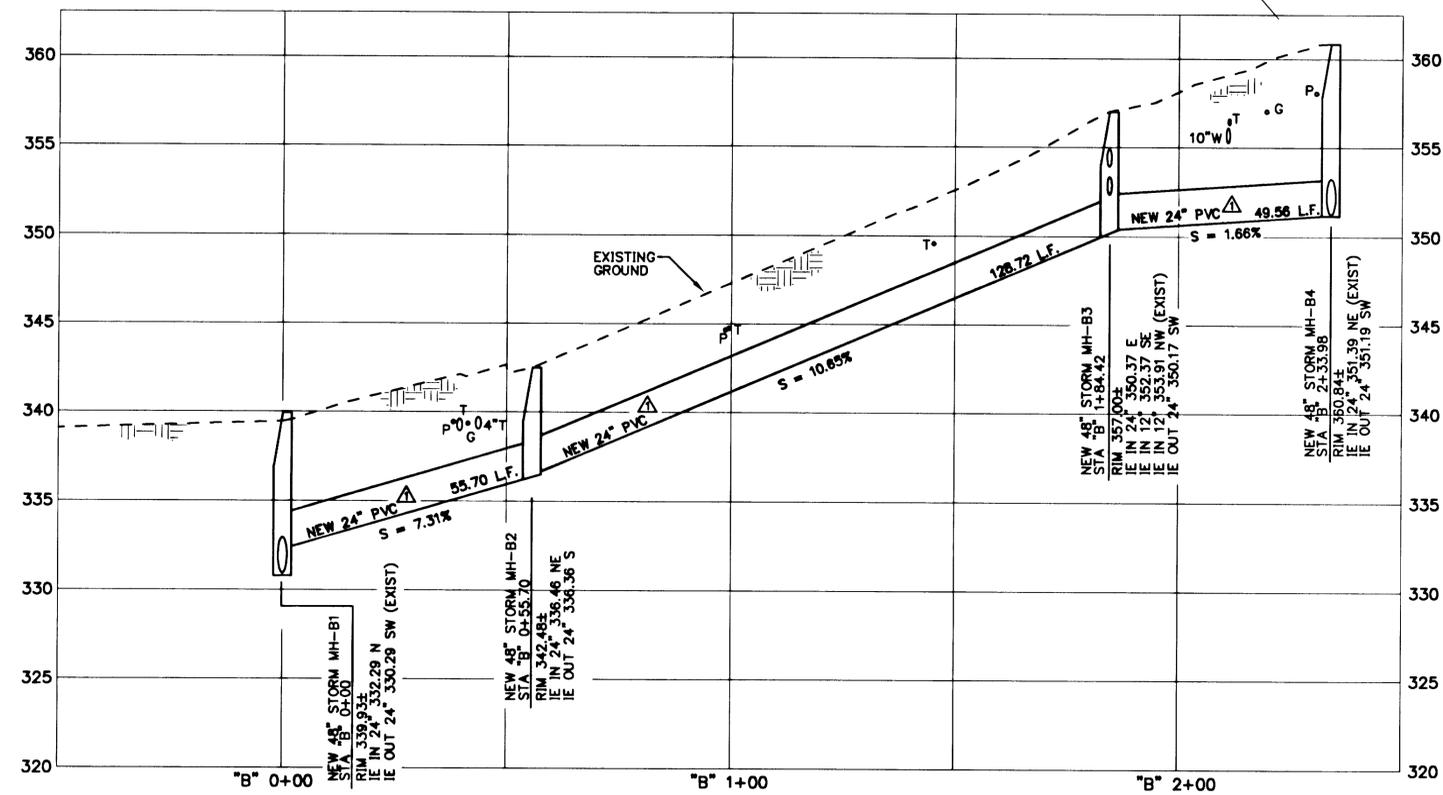
LEE ENGINEERING, INC.
CONSULTING ENGINEERS
OREGON CITY, OREGON

2928
SHEET NO. C1.1
5

REGISTERED PROFESSIONAL ENGINEER 14,444
JOSEPH D. ESKEY
JULY 26, 1988
OREGON
EXP. 12/31/03



PLAN
1" = 20'



MAIN 'B' PROFILE
1" = 5' VERT. 1" = 20' HORIZ.

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 PIPE 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 "AS-BUILT" INFORMATION TO THE CITY UPON COMPLETION OF CONSTRUCTION.
- CONTRACTOR SHALL INFORM CITY 48 HOURS IN ADVANCE OF CONSTRUCTION.
- ALL SEWER WORK SHALL BE IN CONFORMANCE WITH CITY OF WEST LINN SPECIFICATIONS AND ORDINANCE.
- SEWER PIPE SHALL BE AS NOTED ON PLANS OR AS SPECIFIED.
- ALL MANHOLES SHALL BE CONSTRUCTED ACCORDING TO CITY OF WEST LINN STANDARD DRAWINGS AND SPECIFICATIONS.
- DEFLECTION TESTING SHALL BE CONDUCTED ON ALL SEWERS CONSTRUCTED OF FLEXIBLE PIPE NOT LESS THAN 30 DAYS AFTER TRENCH BACKFILL AND COMPACTION. TESTING WILL CONFORM TO APWA SECTION 303.3.10.
- 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 PUMPING AS REQUIRED.
- CITY WILL FURNISH SURVEYING AS REQUIRED FOR NEW CONSTRUCTION.

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

DATE	NO.	REVISION	BY	REM	SCALE	DATE
APR 2003	1	DRAWING OF RECORD	MJC	REM	AS SHOWN	MAY 2002
		AS-BUILT		JDE		

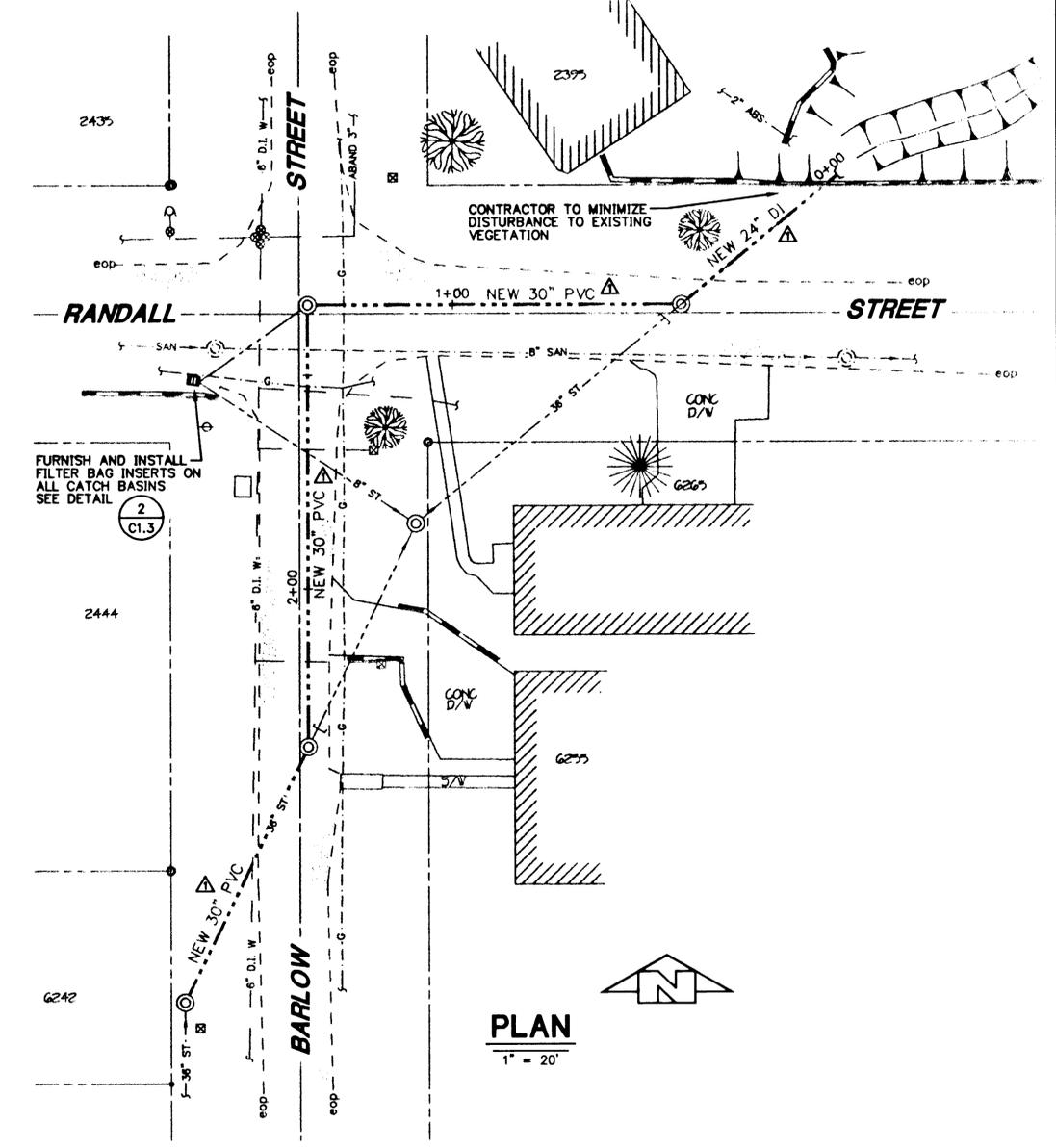
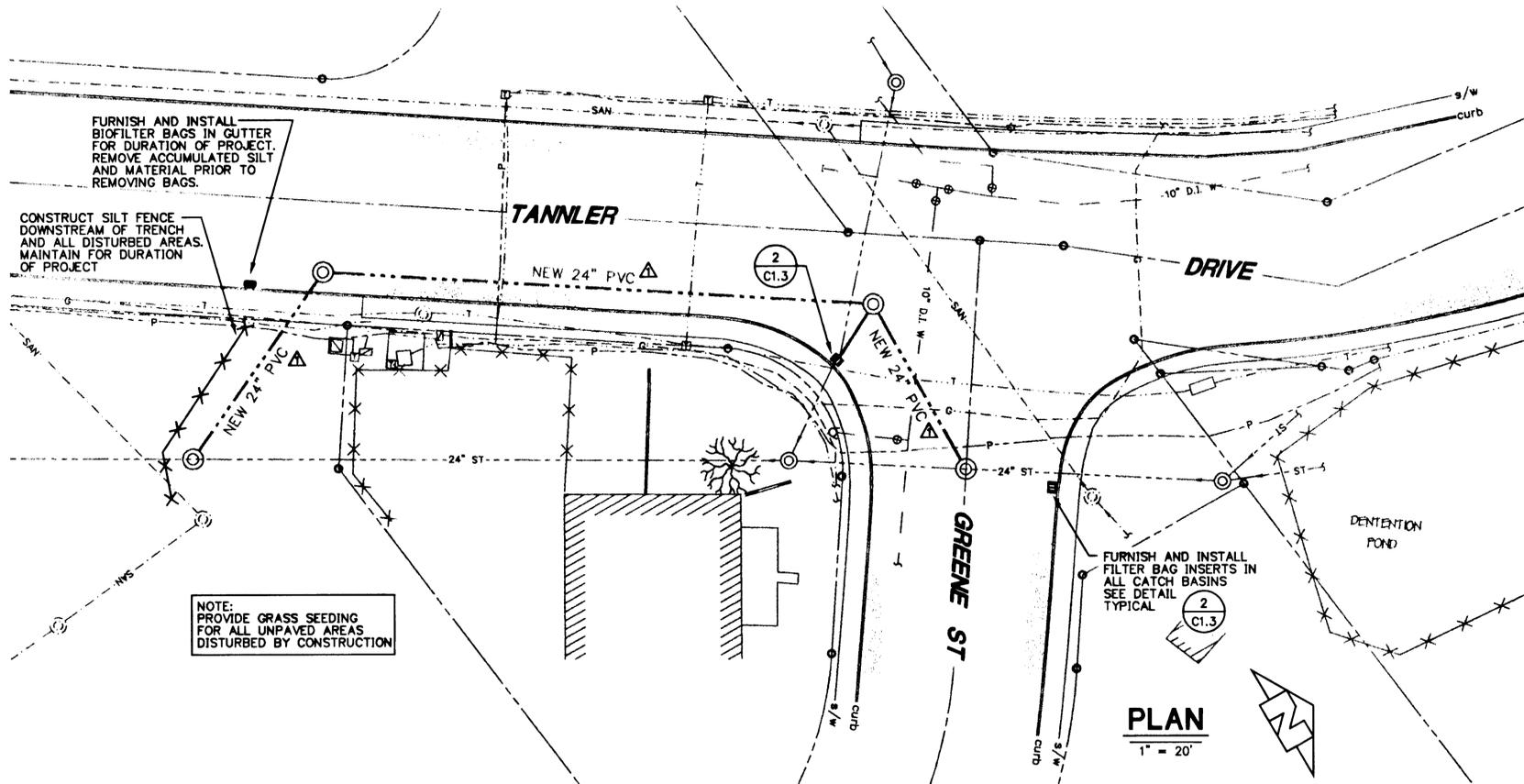
CITY OF WEST LINN
STORM SEWER IMPROVEMENT
PROJECT NO. PW0216

TANLER DRIVE
MAIN 'B' - PLAN AND PROFILE

LEE ENGINEERING, INC.
CONSULTING ENGINEERS
OREGON CITY, OREGON

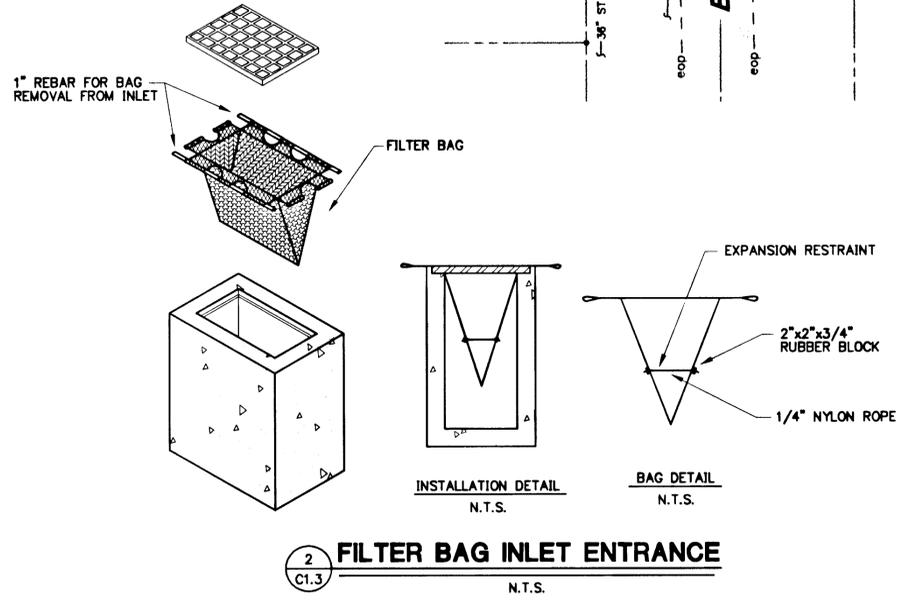
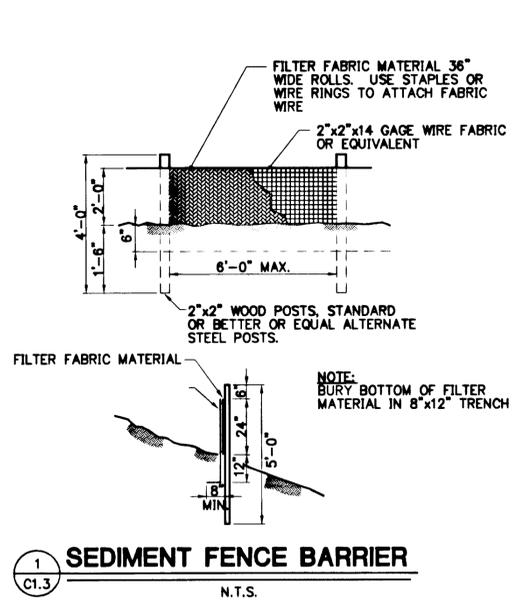
JOB NO. 2928
SHEET NO. C1.2
5

REGISTERED PROFESSIONAL ENGINEER 14,444
JOSEPH D. ESKEN
OREGON JULY 28, 1989
JOSEPH D. ESKEN
EXP. 12/31/03



EROSION CONTROL PLAN NOTES

- IT IS THE INTENT OF THESE PLANS AND SPECIFICATIONS TO ENSURE THAT SEDIMENT LADEN WATER DOES NOT LEAVE THE WORK SITE. THE CONTRACTOR SHALL USE ALL AVAILABLE MEANS TO ACHIEVE THIS RESULT.
- THE IMPLEMENTATION OF THESE PLANS AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT, AND UPGRADING OF THESE EROSION CONTROL PLAN (ECP) FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR UNTIL ALL CONSTRUCTION IS COMPLETED AND APPROVED, AND VEGETATION/LANDSCAPING IS ESTABLISHED.
- THE ECP FACILITIES SHOWN ON THIS PLAN MUST BE CONSTRUCTED IN CONJUNCTION WITH ALL CLEARING AND GRADING ACTIVITIES, AND IN SUCH A MANNER AS TO INSURE THAT SEDIMENT LADEN WATER DOES NOT ENTER THE DRAINAGE SYSTEM OR VIOLATE APPLICABLE WATER STANDARDS.
- THE ECP FACILITIES SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, THESE ECP FACILITIES SHALL BE UPGRADED AS NEEDED FOR UNEXPECTED STORM EVENTS AND TO ENSURE THAT SEDIMENT-LADEN WATER DOES NOT LEAVE THE SITE.
- THE ECP FACILITIES SHALL BE INSPECTED DAILY BY THE CONTRACTOR AND MAINTAINED AS NECESSARY TO ENSURE THEIR CONTINUED FUNCTIONING.
- THE ECP FACILITIES ON INACTIVE SITES SHALL BE INSPECTED AND MAINTAINED A MINIMUM OF ONCE A MONTH OR WITHIN 24 HOURS FOLLOWING A STORM EVENT.
- ALL STORM INLETS SHALL BE PROTECTED TO PREVENT SEDIMENT FROM LEAVING THE PROJECT SITE. AT NO TIME SHALL MORE THAN ONE FOOT OF SEDIMENT BE ALLOWED TO ACCUMULATE WITHIN A TRAPPED CATCH BASIN. ALL CATCH BASINS AND CONVEYANCE LINES SHALL BE CLEANED PRIOR TO PAVING. THE CLEANING OPERATION SHALL NOT FLUSH SEDIMENT LADEN WATER INTO THE DOWNSTREAM SYSTEM.
- ALL AREAS DISTURBED BY CONSTRUCTION OF THIS PROJECT, NOT RECEIVING A HARD, DURABLE SURFACE SHALL BE GRASSED AND/OR LANDSCAPED AT EARLIEST PRACTICABLE TIME.
- IN GENERAL, CONSTRUCTION SHALL PROGRESS FROM DOWNSTREAM TO UPSTREAM. THE CONTRACTOR SHALL CONSTRUCT ECP FACILITIES IN CONJUNCTION WITH ALL CLEARING, GRADING AND OTHER LAND ALTERATION ACTIVITIES.
- TEMPORARY EROSION CONTROL MEASURES SHALL REMAIN FUNCTIONAL AND IN PLACE UNTIL THEIR REMOVAL IS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL COMPLETELY RESTORE ALL AREAS DISTURBED BY REMOVAL OF TEMPORARY EROSION CONTROL MEASURES. REMOVED MATERIALS SHALL BECOME PROPERTY OF THE CONTRACTOR TO BE DISPOSED OF IN ACCORDANCE WITH APPLICABLE LAWS AND JURISDICTIONS.
- STREET CLEANING SHALL BE PERFORMED DAILY. CONTRACTOR IS RESPONSIBLE FOR CLEANING AREAS ALONG TRUCK ROUTES. CONTRACTOR SHALL NOT OVERLOAD TRUCKS AND SHALL CLEAN TRUCKS PRIOR TO LEAVING WORK SITE.



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CITY OF WEST LINN
STORM SEWER IMPROVEMENTS

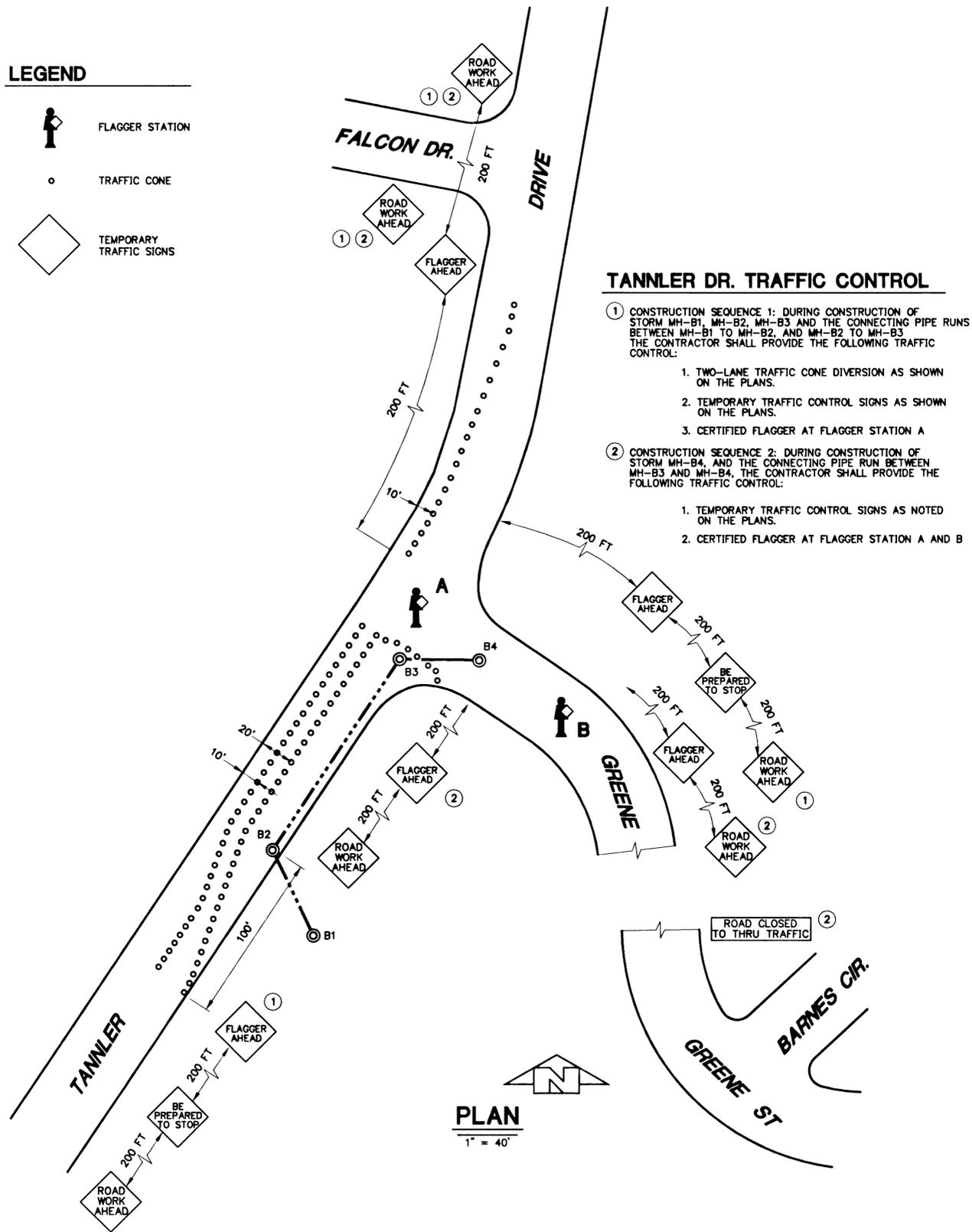
EROSION CONTROL PLAN

LEE ENGINEERING, INC.
CONSULTING ENGINEERS
OREGON CITY, OREGON

2928
 SHEET NO.
C1.3
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LEGEND

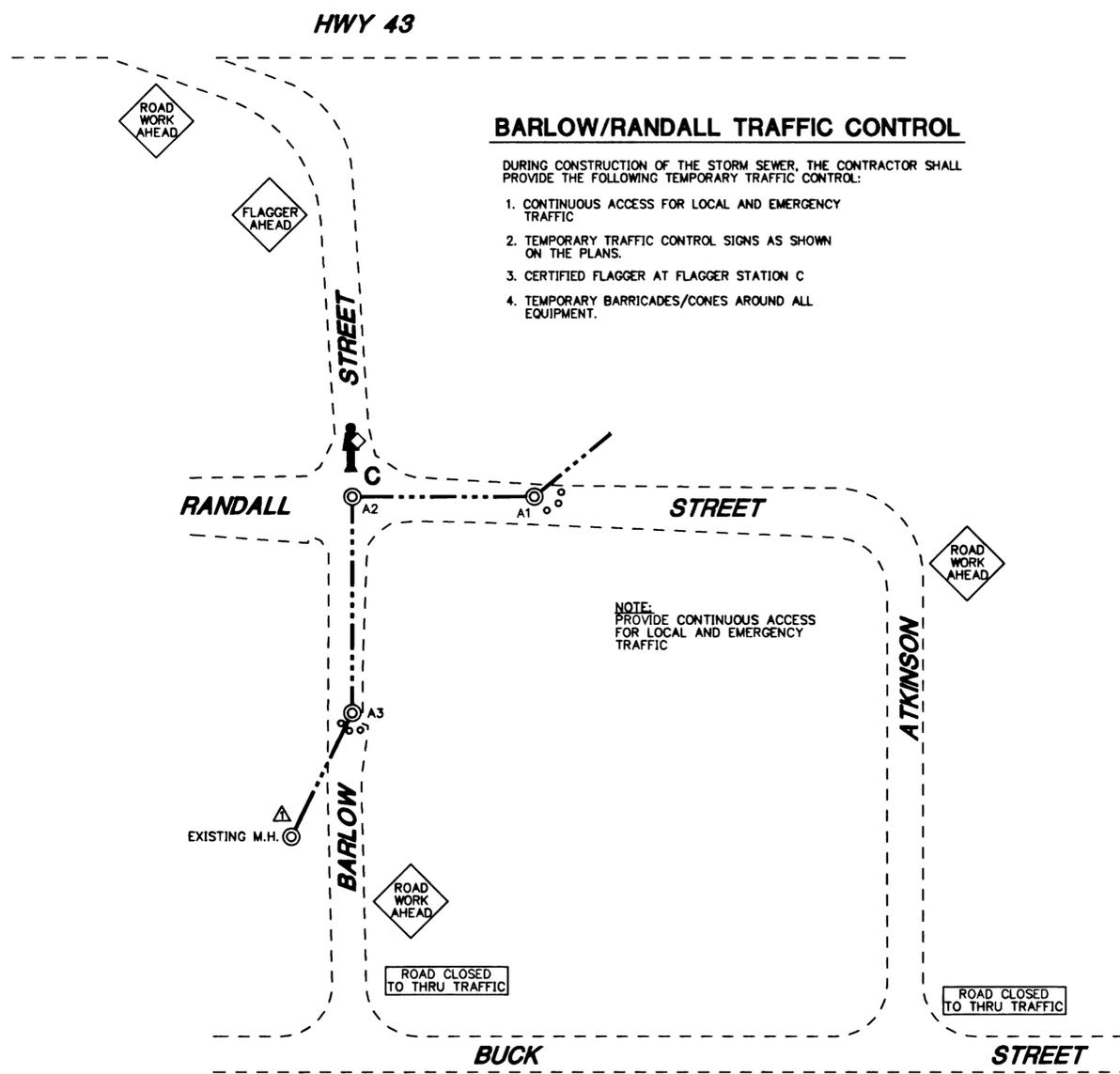
-  FLAGGER STATION
-  TRAFFIC CONE
-  TEMPORARY TRAFFIC SIGNS



TANNER DR. TRAFFIC CONTROL

- ① CONSTRUCTION SEQUENCE 1: DURING CONSTRUCTION OF STORM MH-B1, MH-B2, MH-B3 AND THE CONNECTING PIPE RUNS BETWEEN MH-B1 TO MH-B2, AND MH-B2 TO MH-B3 THE CONTRACTOR SHALL PROVIDE THE FOLLOWING TRAFFIC CONTROL:
- TWO-LANE TRAFFIC CONE DIVERSION AS SHOWN ON THE PLANS.
 - TEMPORARY TRAFFIC CONTROL SIGNS AS SHOWN ON THE PLANS.
 - CERTIFIED FLAGGER AT FLAGGER STATION A
- ② CONSTRUCTION SEQUENCE 2: DURING CONSTRUCTION OF STORM MH-B4, AND THE CONNECTING PIPE RUN BETWEEN MH-B3 AND MH-B4, THE CONTRACTOR SHALL PROVIDE THE FOLLOWING TRAFFIC CONTROL:
- TEMPORARY TRAFFIC CONTROL SIGNS AS NOTED ON THE PLANS.
 - CERTIFIED FLAGGER AT FLAGGER STATION A AND B

PLAN
1" = 40'



BARLOW/RANDALL TRAFFIC CONTROL

- DURING CONSTRUCTION OF THE STORM SEWER, THE CONTRACTOR SHALL PROVIDE THE FOLLOWING TEMPORARY TRAFFIC CONTROL:
- CONTINUOUS ACCESS FOR LOCAL AND EMERGENCY TRAFFIC
 - TEMPORARY TRAFFIC CONTROL SIGNS AS SHOWN ON THE PLANS.
 - CERTIFIED FLAGGER AT FLAGGER STATION C
 - TEMPORARY BARRICADES/CONES AROUND ALL EQUIPMENT.

NOTE:
PROVIDE CONTINUOUS ACCESS FOR LOCAL AND EMERGENCY TRAFFIC

NOTE:
CONTRACTOR SHALL PROVIDE ADDITIONAL BARRICADES AS REQUIRED TO MEET THE INTENT OF THESE DRAWINGS. PROVIDE TRAFFIC CONTROL ACCORDING TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AND THE ODOT SHORT TERM TRAFFIC CONTROL HANDBOOK.

PLAN
1" = 40'

DATE	NO.	REVISION	BY	CHK	APP	TITLE	SCALE	DATE
APR 2003	1	DRAWING OF RECORD	MJC	JDE		2928C1.4D	AS SHOWN	MAY 2002
AS-BUILT								

CITY OF WEST LINN
STORM SEWER IMPROVEMENTS

TRAFFIC CONTROL PLAN

LEE ENGINEERING, INC.
CONSULTING ENGINEERS
OREGON CITY, OREGON

JOB NO.	2928
SHEET NO.	C1.4
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