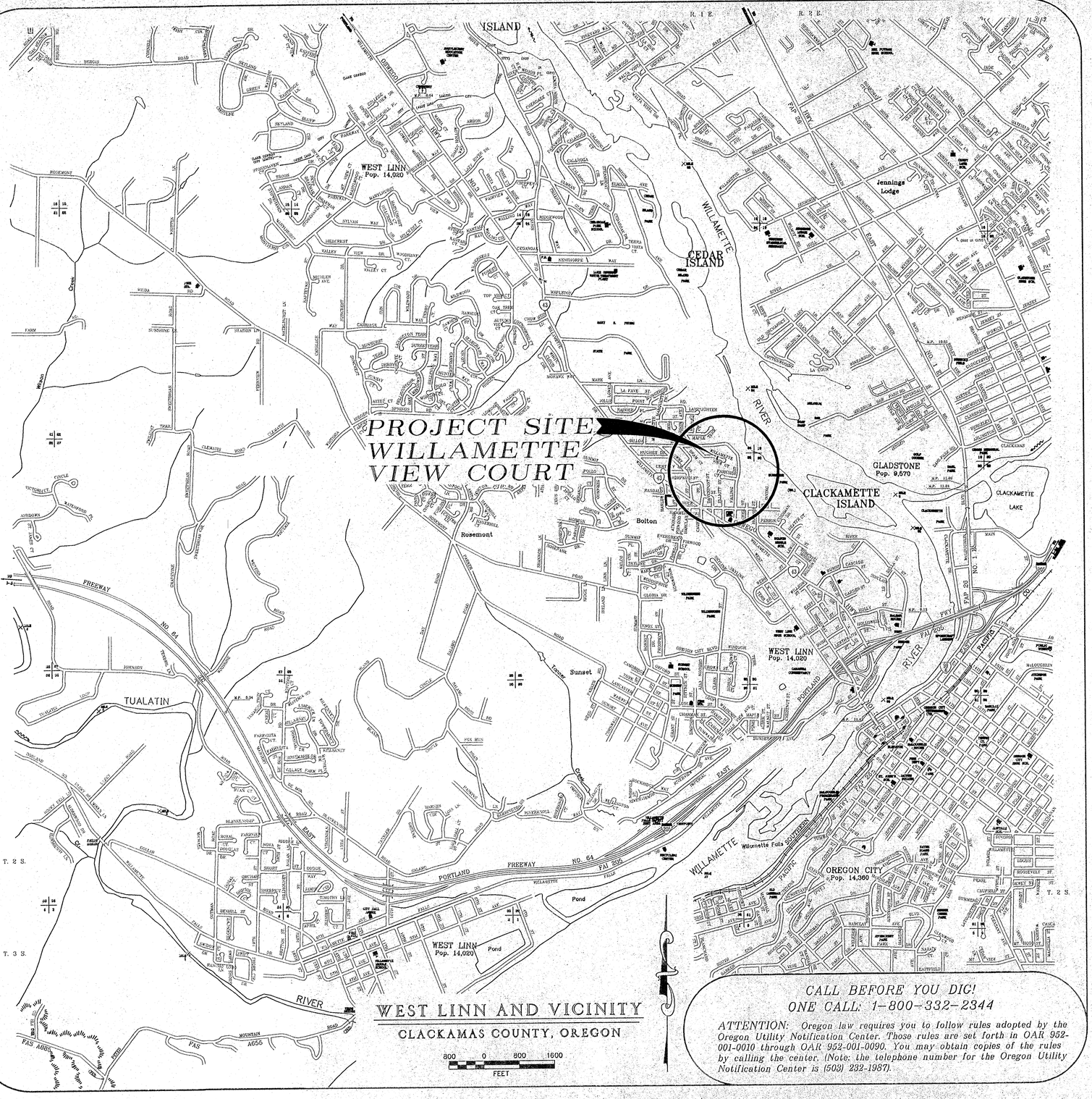

WEST LINN AND VICINITY

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).

CITY OF WEST LINN
STORM SEWER IMPROVEMENTS
PROJECT NO. PW0108

CLACKAMAS COUNTY, OREGON

AUGUST 2003

SHEET INDEX

SHEET NO.	DESCRIPTION	FILE NO.
1	VICINITY MAP AND TITLE SHEET	3095C1.0
2	WILLAMETTE VIEW COURT PLAN AND PROFILE	3095C1.1
3	OUTFALL STRUCTURE DETAILS	3095C1.2

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
- eop — EXISTING EDGE OF PAVEMENT
- EXISTING EDGE OF GRAVEL
- EXISTING TREES
- EXISTING SHRUB
- AC PAVED AREAS

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

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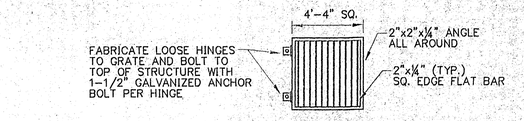
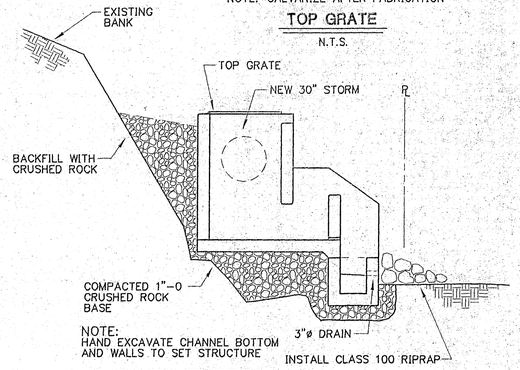


NOTE: GALVANIZE AFTER FABRICATION

TOP GRATE

N.T.S.

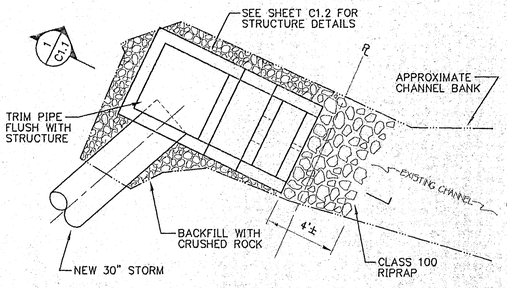


NOTE:
HAND EXCAVATE CHANNEL BOTTOM AND WALLS TO SET STRUCTURE

SEE SHEET C1.2 FOR ADDITIONAL STRUCTURE DETAILS.

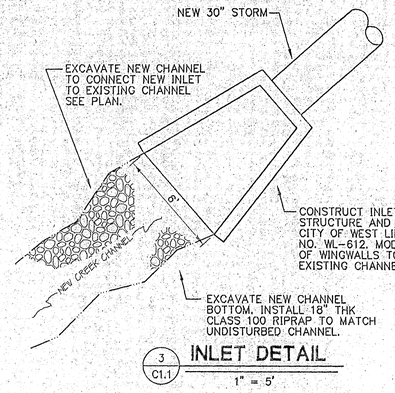
1/C1.1 OUTFALL SECTION

1" = 5'



2/C1.1 OUTFALL STRUCTURE PLAN

1" = 5'

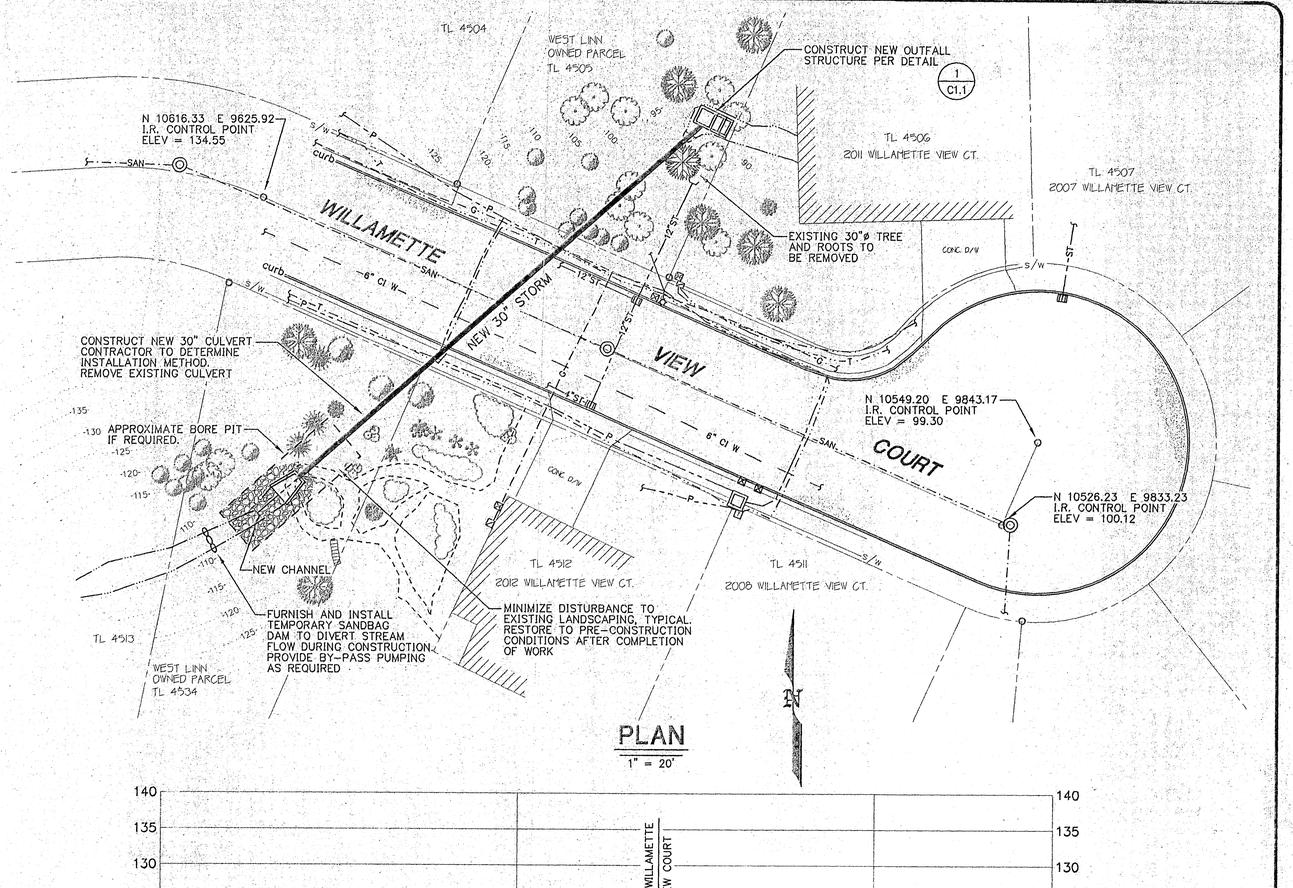


3/C1.1 INLET DETAIL

1" = 5'

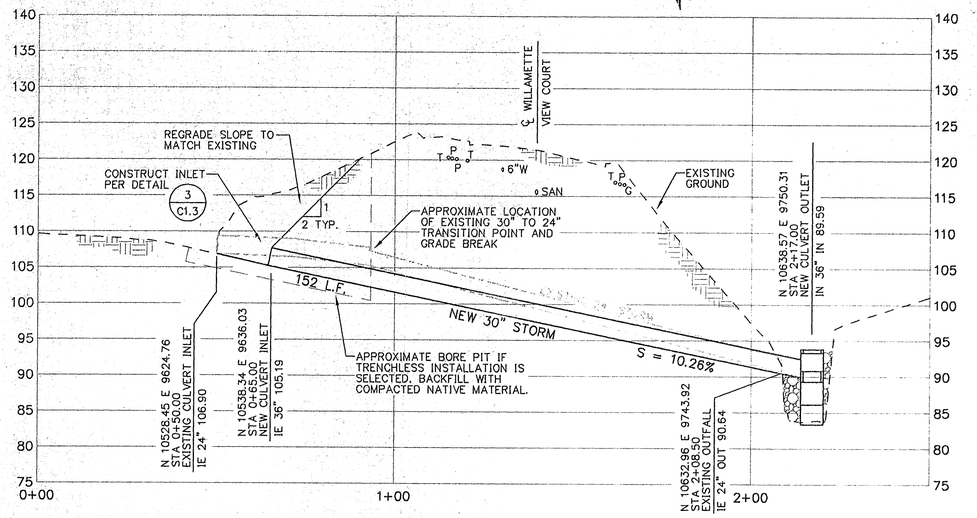
INSTALLATION NOTES

1. CONTRACTOR SHALL DETERMINE OPEN-CUT OR TRENCHLESS INSTALLATION TYPE AND METHOD TO INSTALL NEW 30" CULVERT.
2. PIPE MATERIAL SHALL BE AS FOLLOWS:
   - BORE AND JACK – 30" CLASS V REINFORCED CONCRETE PIPE PER ASTM C-76. MINIMUM CONCRETE STRENGTH SHALL BE 5,000 PSI. OUTSIDE WALLS SHALL BE STRAIGHT WALLED WITH NO BELLS. PROVIDE SUPPLEMENTAL JOINT REINFORCING.
   - PIPE BURSTING – 30" HPDE. CONTRACTOR TO DETERMINE PIPE WALL THICKNESS REQUIRED FOR INSTALLATION.
   - OPEN CUT TRENCH – REINFORCED CONCRETE PIPE PER CITY OF WEST LINN TECHNICAL SPECIFICATIONS.
3. MINOR DEVIATIONS OF THE NEW CULVERT PROFILE WILL BE ALLOWED TO ACCOUNT FOR PIPE MATERIAL WEIGHT IF THE CONTRACTOR SELECTS TRENCHLESS INSTALLATION METHODS.
4. THE VOID SPACE BETWEEN THE PIPE AND THE SOIL SHALL BE COMPLETELY FILLED WITH GROUT UNDER PRESSURE IF PIPE JACKING IS SELECTED BY THE CONTRACTOR
5. CONTRACTOR SHALL DETERMINE METHOD OF REMOVAL OF EXISTING CULVERT.
6. SEE TECHNICAL SPECIFICATIONS FOR ADDITIONAL INFORMATION.



PLAN

1" = 20'

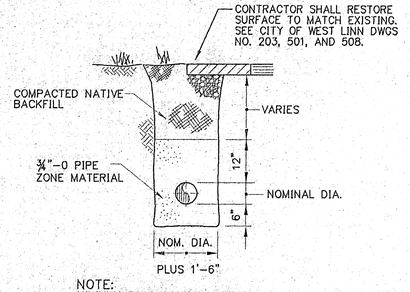


PROFILE

1"= 10' VERT. 1"=20' HORIZ.

CONSTRUCTION NOTES

1. 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.
2. CONTRACTOR SHALL PROVIDE SEDIMENT CONTROL FOR ACCESS EXCAVATION AND BORE PIT DEWATERING AS REQUIRED. CONTRACTOR MAY DISCHARGE TO SANITARY SEWER IF REQUIRED.
3. ALL EXISTING UTILITIES DISTURBED BY CONSTRUCTION SHALL BE REPAIRED IMMEDIATELY AND THE RESPECTIVE UTILITY COMPANY NOTIFIED OF THE DISTURBANCE WITHOUT DELAY.
4. CONTRACTOR SHALL SUBMIT "AS-BUILT" INFORMATION TO THE CITY UPON COMPLETION OF CONSTRUCTION.
5. CONTRACTOR SHALL INFORM CITY 48 HOURS IN ADVANCE OF CONSTRUCTION.
6. ALL SEWER WORK SHALL BE IN CONFORMANCE WITH CITY OF WEST LINN SPECIFICATIONS AND ORDINANCE.
7. SEWER PIPE SHALL BE AS NOTED ON PLANS OR AS SPECIFIED.
8. MAINTAIN BYPASS PUMPING AS REQUIRED.
9. CITY WILL FURNISH SURVEYING AS REQUIRED FOR NEW CONSTRUCTION.
10. CONTRACTOR SHALL SECURE WRITTEN PERMISSION TO ACCESS WORK FROM PRIVATE PROPERTY. OTHERWISE ACCESS WILL BE VIA WEST LINN PARCELS ONLY.



NOTE:
MINIMUM ROAD SECTION SHALL BE 4" AC ON 12" OF 3/4"-0 CRUSHED ROCK.

NEW LANDSCAPING SHALL MATCH EXISTING.

4/C1.1 OPEN CUT TRENCH DETAIL

N.T.S.

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

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DATE	NO.	REVISION	BY

DES. REM | DRW. REM | CH. JDE | FILENAME: 3095C1.1 | SCALE: AS SHOWN | DATE: AUG 2003 | APPROVED:

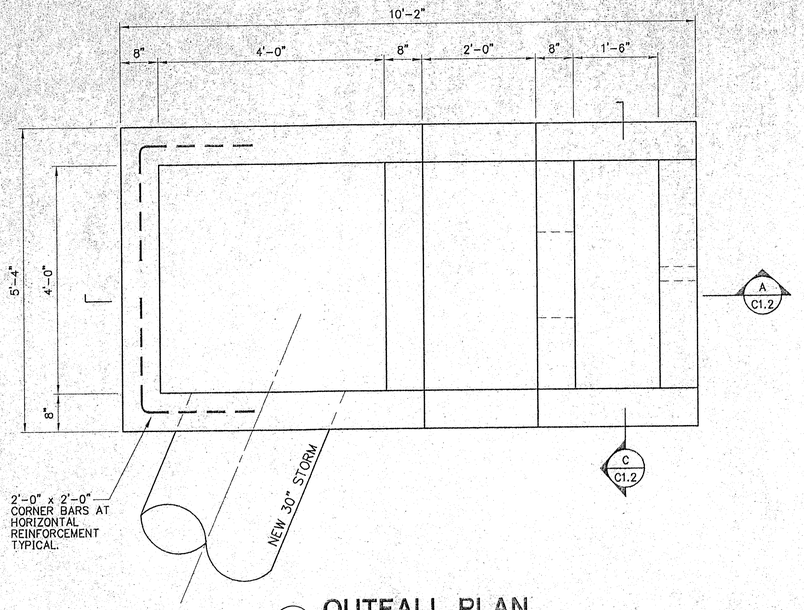
PROJECT: CITY OF WEST LINN
STORM SEWER IMPROVEMENTS
PROJECT NO. PW0108

SHEET TITLE: WILLAMETTE VIEW COURT
PLAN AND PROFILE

LEE ENGINEERING, INC.
CONSULTING ENGINEERS
OREGON CITY, OREGON

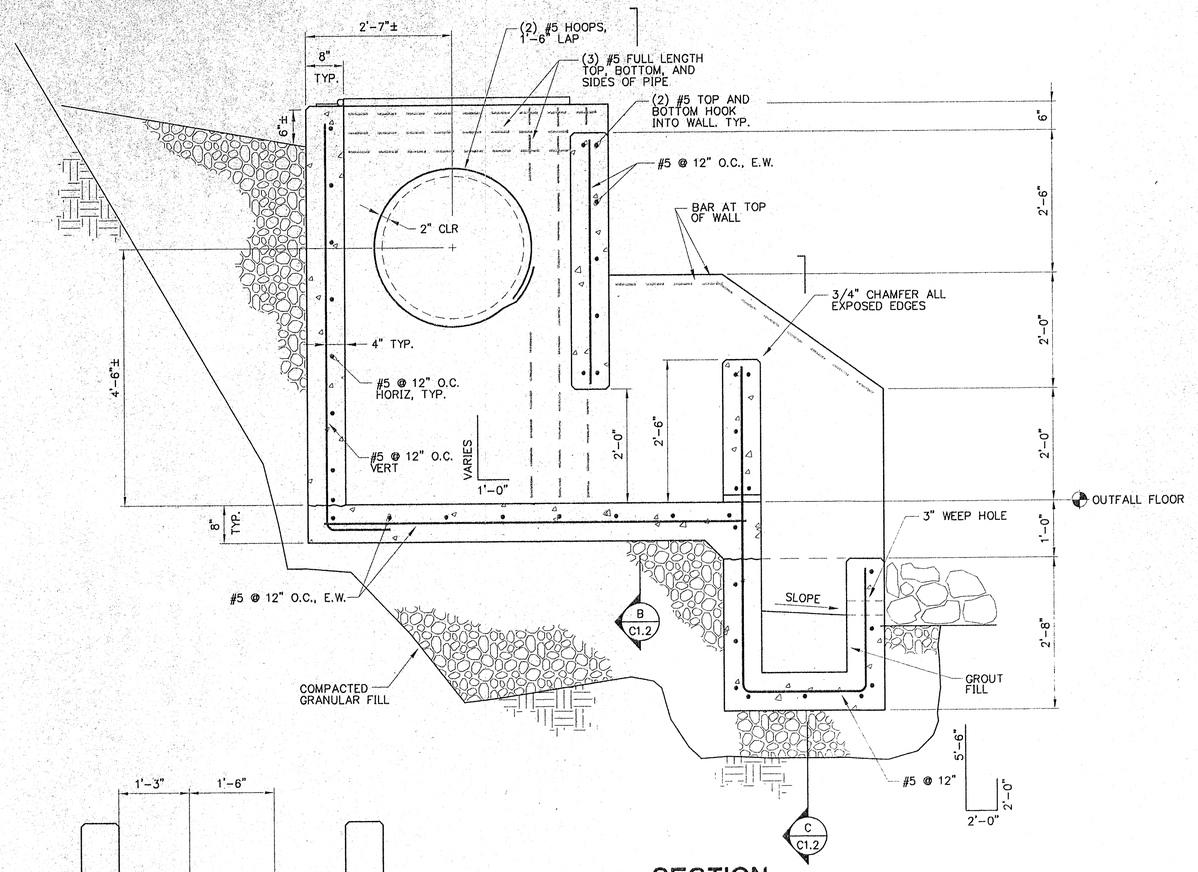
JOB NO. 3095
SHEET NO. C1.1 / 3

REGISTERED PROFESSIONAL ENGINEER 14,444
OREGON JULY 26, 1989 JOSEPH D. ESKEW
EXP. 12/31/03



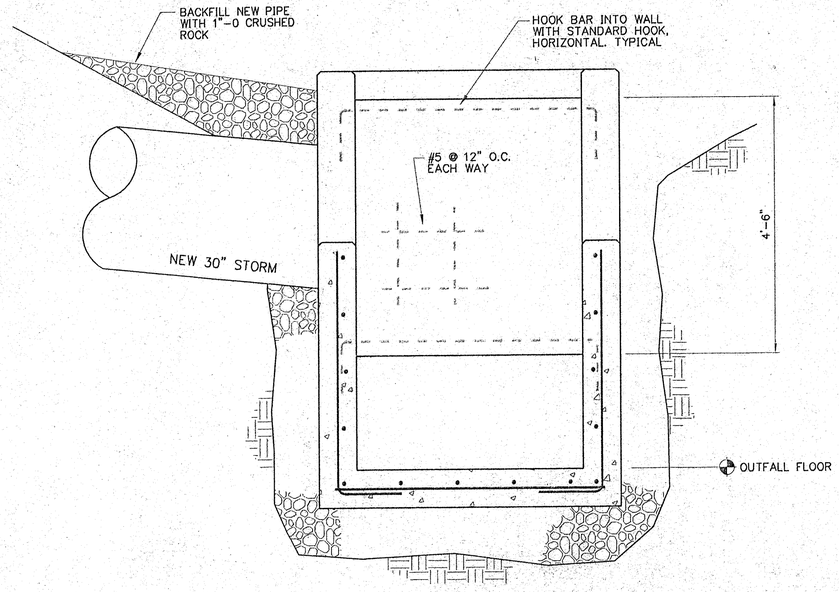
1 C1.2 **OUTFALL PLAN**

3/4" = 1'-0"



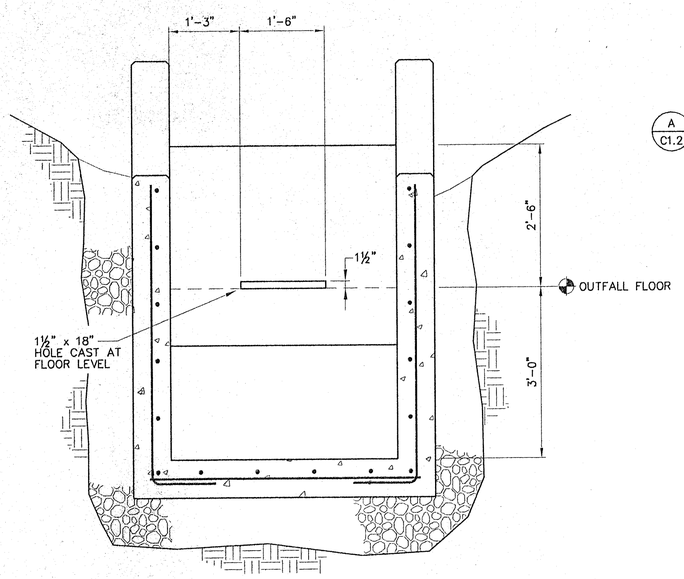
A C1.2 **SECTION**

3/4" = 1'-0"



B C1.2 **SECTION**

3/4" = 1'-0"



C C1.2 **SECTION**

3/4" = 1'-0"

STRUCTURAL NOTES

1. CONCRETE – 3000 PSI AT 28 DAYS
2. REINFORCING – GRADE 60, 60,000 PSI
3. PROVIDE STANDARD HOOKS AND COVER ON REINFORCING PER ACI LATEST EDITION.

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DATE	NO.	REVISION	BY

DES. REM | FILENAME: 3095C1.2
DRW. REM | SCALE: AS SHOWN | DATE: AUG 2003
CH. JDE | APPROVED:

PROJECT: CITY OF WEST LINN
STORM SEWER IMPROVEMENTS
PROJECT NO. PW0108

SHEET TITLE: OUTFALL STRUCTURE DETAILS

LEE ENGINEERING, INC.
CONSULTING ENGINEERS
OREGON CITY, OREGON

JOB NO. 3095

SHEET NO. C1.2 3

REGISTERED PROFESSIONAL ENGINEER 14,444 OREGON JULY 26, 1985 JOSEPH D. ESKEW
EXP. 12/31/03