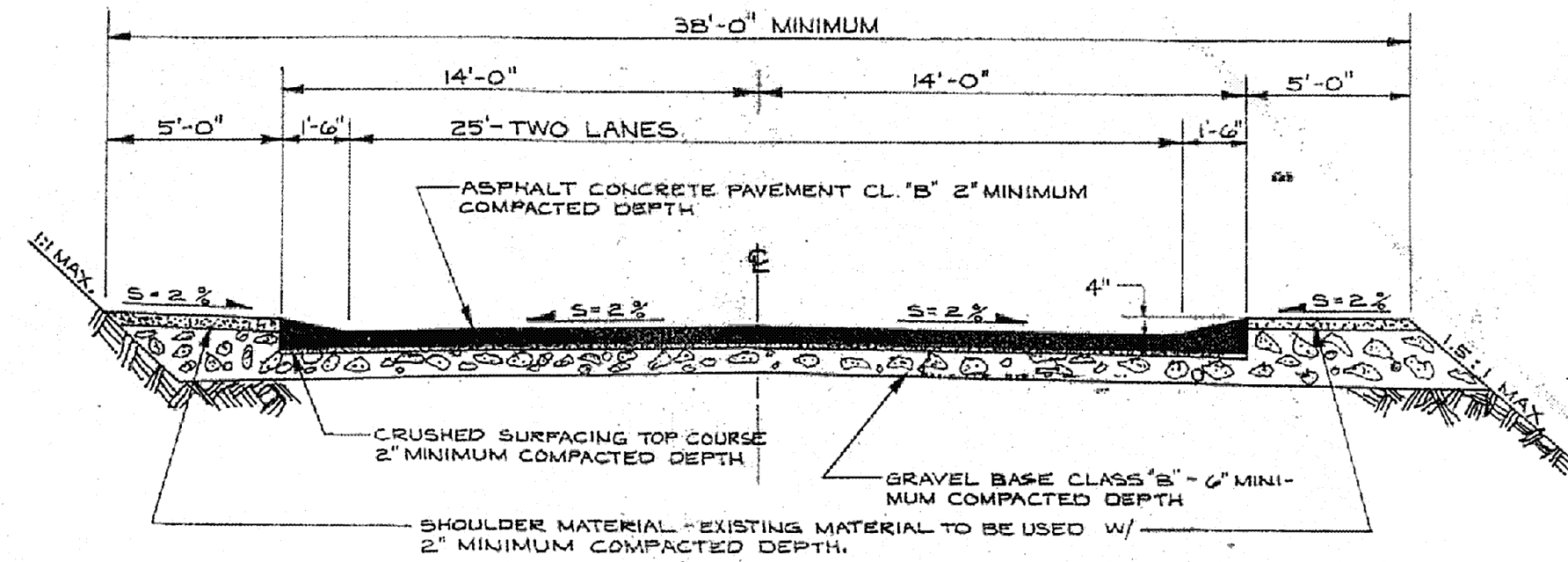


BUSCH ADDITION (DIVISIONS 1 & 2)
 SEC. 15, 16 & 21 TWP 21 N. RGE. 1 E.

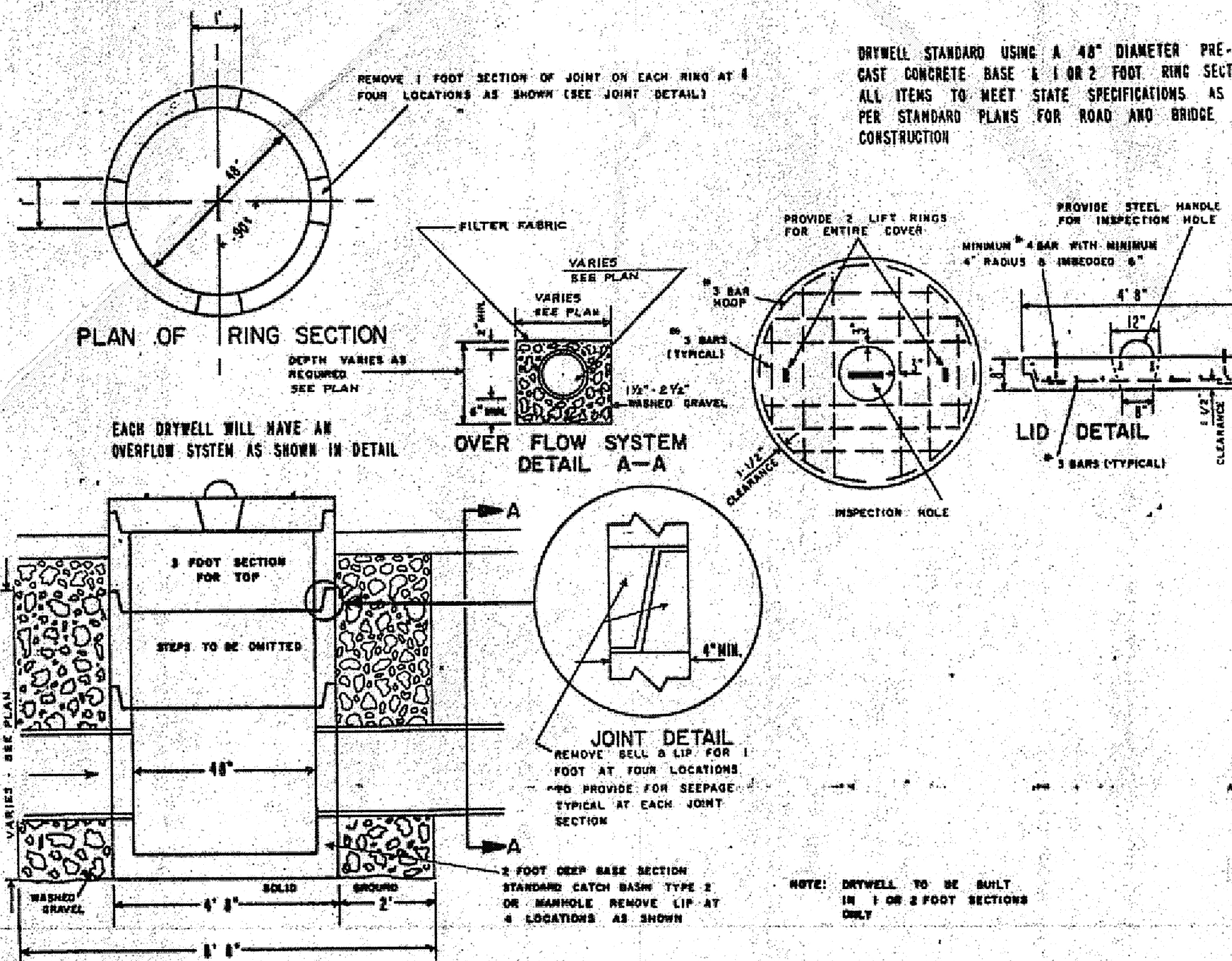
APPROVED: FOR PRIVATE STORM DRAINAGE AND ACCESS ONLY
Donald Anderson 9-12-84
 PUBLIC WORKS DIRECTOR DATE

APPROVED: FOR REVISED PRIVATE STORM DRAINAGE
Donald Anderson 3-29-85
 PUBLIC WORKS DIRECTOR DATE

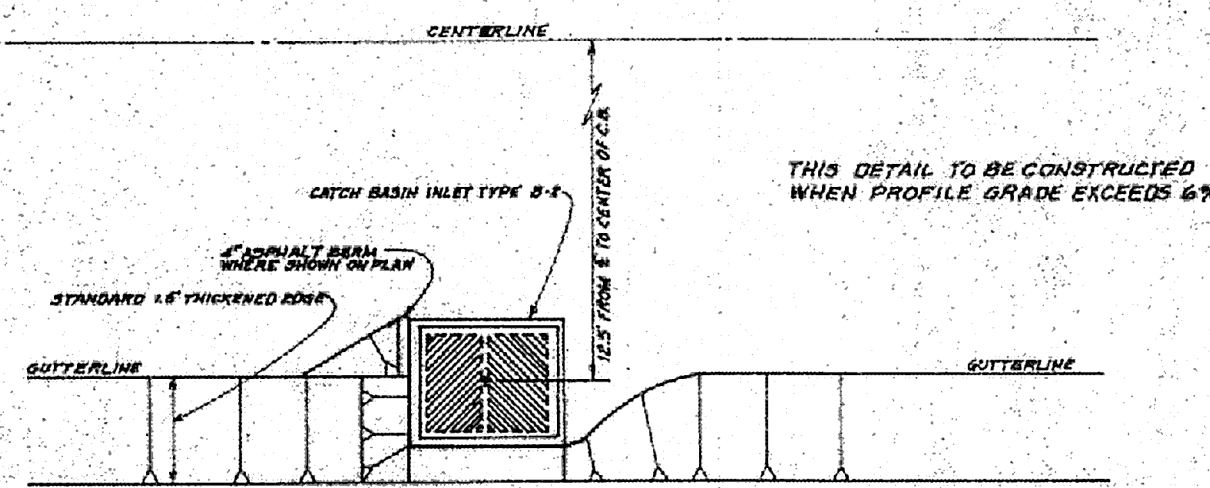


NOTE: ALL MATERIALS & WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE STATE OF WASHINGTON, DEPARTMENT OF HIGHWAYS STANDARDS AND SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION. EXISTING NATIVE MATERIAL MUST NOT CONTAIN COBBLES OR OTHER MATERIALS WHICH HAVE A DIAMETER IN EXCESS OF 3".

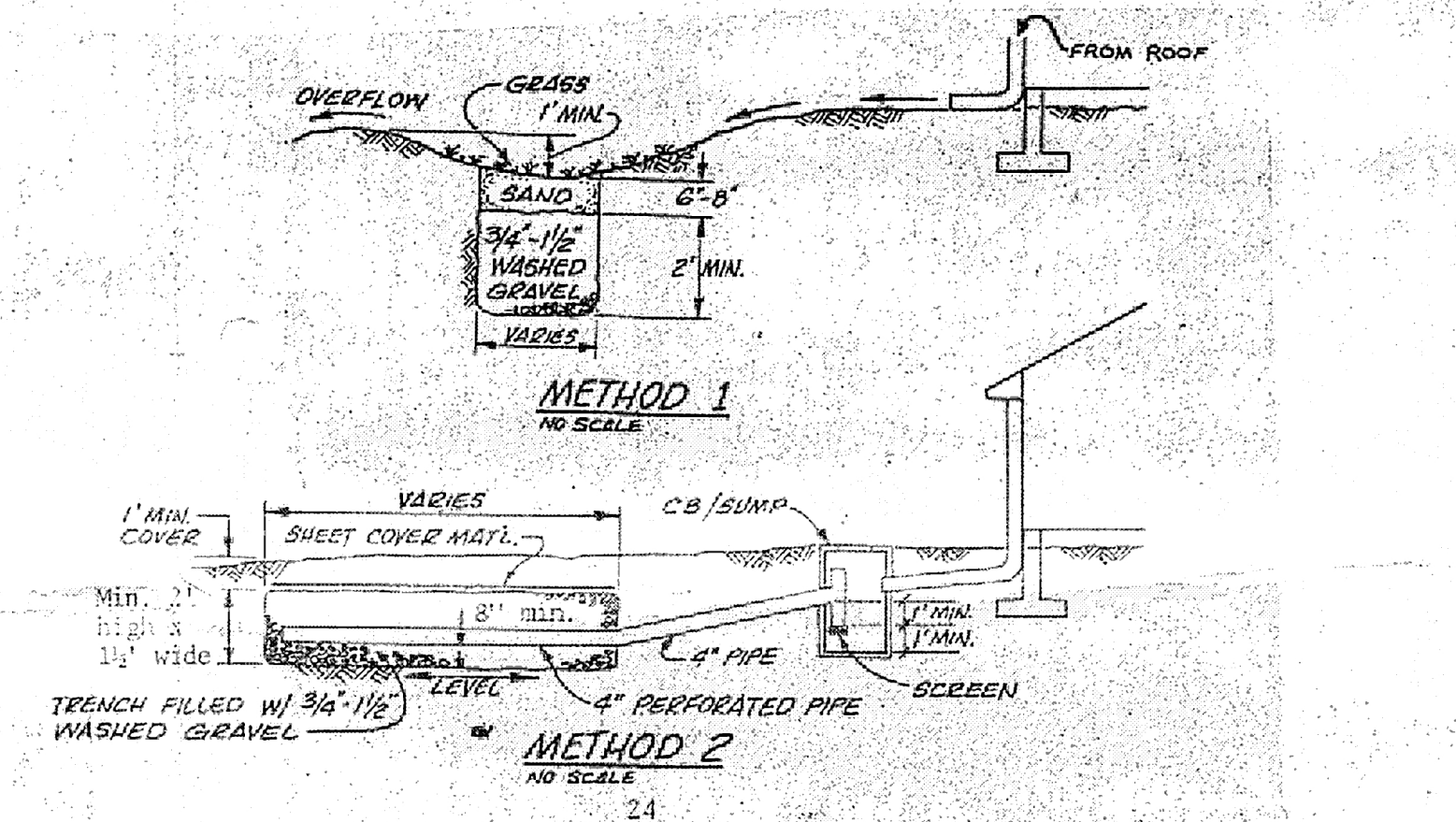
TYPICAL ROADWAY SECTION DETAIL
 N.T.S.



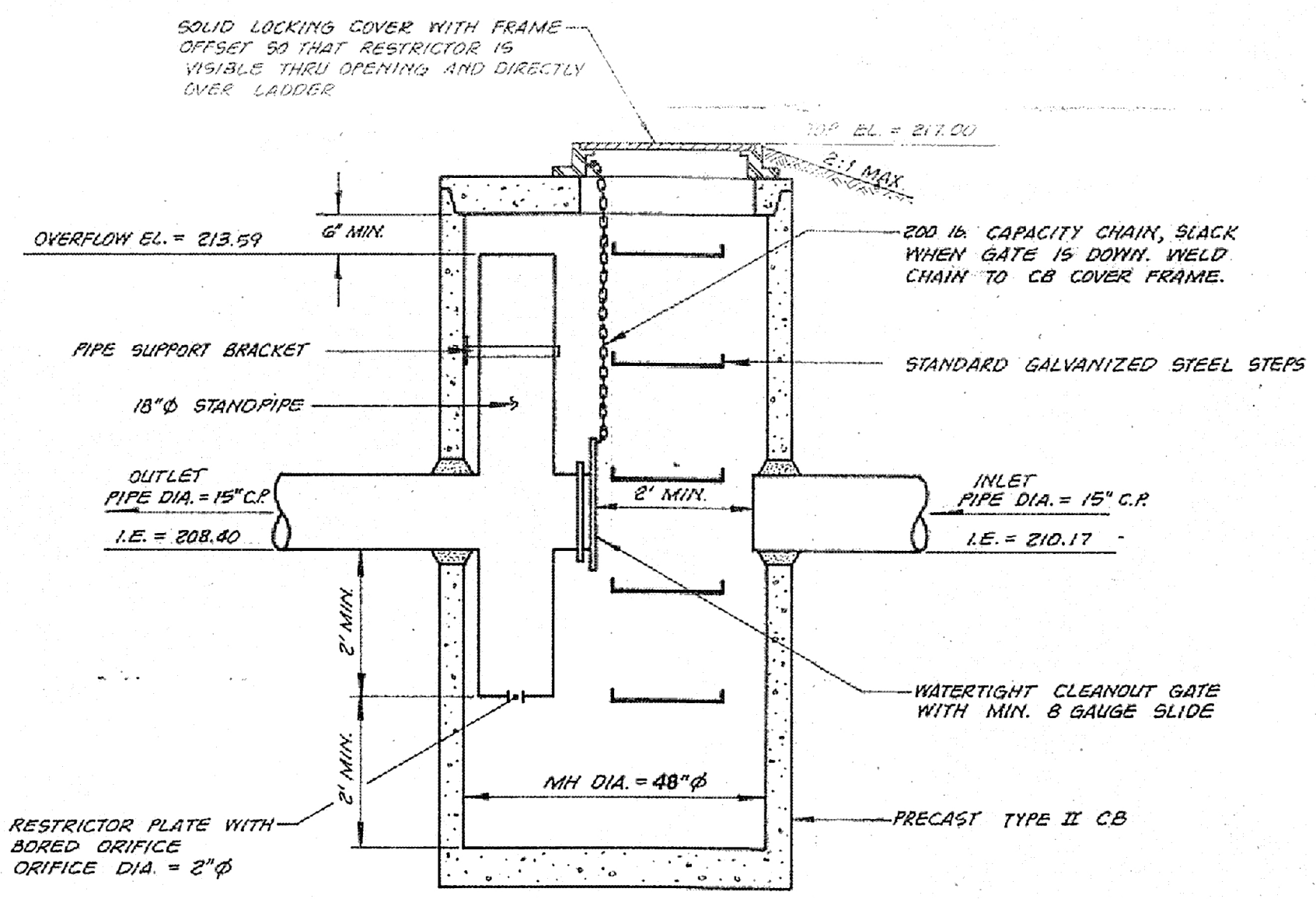
INFILTRATION SYSTEM DETAIL
 N.T.S.



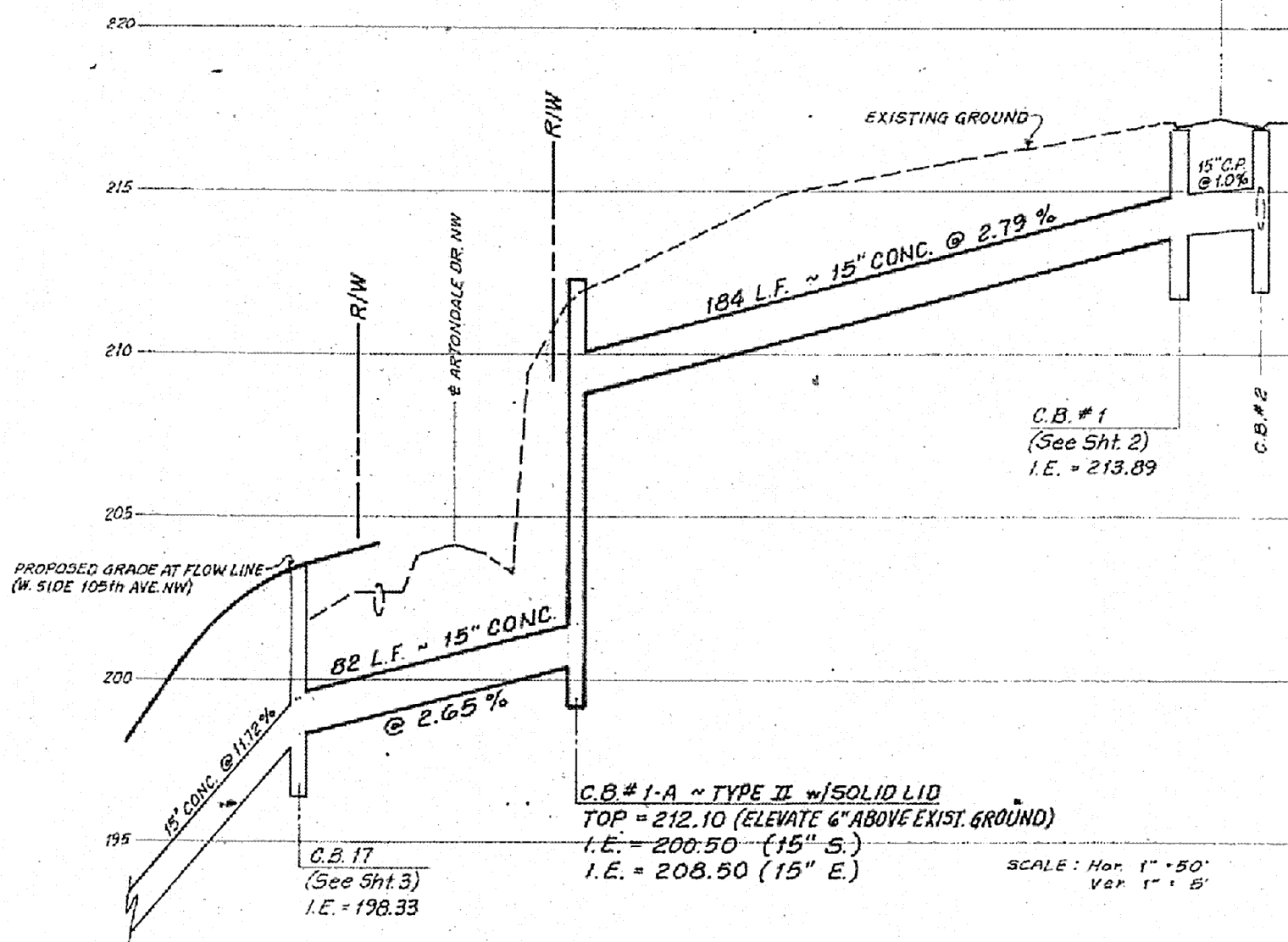
THROUGH CURB CATCH BASIN INLET DETAIL
 N.T.S.



INDIVIDUAL LOT PERKCOLATION SYSTEMS



RESTRICTOR MH - TYPE II 48"Ø
 N.T.S.



STORM DRAIN PROFILE
 From 104th AVE. (C.B. 1) To 105th AVE. (C.B. 17)

STANDARD NOTES

- ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE LATEST STATE OF WASHINGTON, DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND PIERCE COUNTY PUBLIC ROAD STANDARDS.
- INSPECTION OF THE STORM DRAIN SYSTEM MUST BE CALLED FOR BEFORE THE DRAIN SYSTEM IS BACKFILLED. PIERCE COUNTY SHALL BE ADVISED 48 HOURS BEFORE CONSTRUCTION IS STARTED.
- CATCH BASINS SHALL BE TYPE I WITH B-2A FRAME AND GRATE UNLESS OTHERWISE NOTED.
- IF ADEQUATE INSPECTION IS NOT CALLED FOR BEFORE COMPLETION OF THE ROADWAY CONSTRUCTION, IT MAY BE NECESSARY FOR CORE DRILLING AND TESTING TO BE PERFORMED TO ASSURE AN ACCEPTABLE QUALITY OF ROADWAY. WHEN CORE DRILLING IS FOUND TO BE NECESSARY, THE DEVELOPER WILL BE HELD AND HELD RESPONSIBLE FOR ALL COSTS INCURRED.
- IT WILL BE THE DEVELOPER OR HIS AGENT'S RESPONSIBILITY TO CONTACT ALL UTILITY COMPANIES IN ORDER TO ASSURE THAT ALL LINES, PIPES, POLES AND OTHER APPURTENANCES ARE PROPERLY LOCATED AND THEIR INSTALLATION IS COORDINATED WITH THE ROAD CONSTRUCTION. ALL UTILITY RELOCATION WORK SHALL BE AT THE EXPENSE OF THE DEVELOPER AND MUST BE IN ACCORDANCE WITH STANDARDS ADOPTED BY THE COUNTY PRIOR TO ROAD ACCEPTANCE.
- CULVERT PIPE SHALL BE 12-INCH CONCRETE CULVERT PIPE UNLESS OTHERWISE NOTED.
- BURIED UTILITIES ARE SHOWN IN THEIR APPROXIMATE LOCATION. THE CONTRACTOR SHALL HAVE THE UTILITIES VERIFIED ON THE GROUND PRIOR TO ANY CONSTRUCTION.
- BEFORE WORKING IN PIERCE COUNTY RIGHT-OF-WAY, THE CONTRACTOR AND/OR DEVELOPER SHALL PROVIDE PROOF OF LIABILITY INSURANCE IN AN AMOUNT SUFFICIENT TO PIERCE COUNTY RISK MANAGEMENT (AND SHALL POST A \$5,000 BOND TO ASSURE COMPLETION OF WORK). THE PIERCE COUNTY RISK MANAGEMENT OFFICE CAN BE CONTACTED FOR INFORMATION AND DETAILS CONCERNING LIABILITY INSURANCE REQUIREMENTS.
- A SURETY BOND OR ASSIGNMENT OF FUNDS IN THE AMOUNT OF \$5,000 TO GUARANTEE THE SATISFACTORY FUNCTIONING OF THE DRAINAGE AND/OR DRYWELL SYSTEM WILL BE REQUIRED. THE SURETY BOND OR ASSIGNMENT OF FUNDS SHALL REMAIN IN EFFECT FOR A PERIOD OF 18 MONTHS FROM THE TIME THAT PIERCE COUNTY ACCEPTS THE ROAD FOR MAINTENANCE.
- ON-SITE EROSION CONTROL MEASURES SHALL BE THE RESPONSIBILITY OF THE DEVELOPER. ANY PROBLEMS OCCURRING BEFORE FINAL ACCEPTANCE BY PIERCE COUNTY AND WITHIN 18 MONTHS THEREAFTER SHALL BE CORRECTED BY THE DEVELOPER.
- ANY REVISIONS TO THESE PLANS MUST BE REVIEWED AND APPROVED BY PIERCE COUNTY DEPARTMENT OF PUBLIC WORKS PRIOR TO ANY IMPLEMENTATION IN THE FIELD.
- ALL PAVEMENT MARKINGS SHALL CONFORM TO THE REQUIREMENTS OF THE MUTCD.
- BEFORE STRIPPING TAKES PLACE THE CONTRACTOR SHALL CONTACT THE PIERCE COUNTY TRAFFIC OPERATIONS CENTER AT 331-4990 FOR AN ON-SITE MEETING.
- A COPY OF THESE APPROVED PLANS MUST BE ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS.
- PIERCE COUNTY SHALL BE NOTIFIED 48 HOURS BEFORE CONSTRUCTION IS STARTED.
- TEMPORARY CUL-DE-SAC, FILL UNPAVED PORTION OF 48 FOOT RADIUS WITH CRUSHED SURFACING TOP COURSE AND SLOPE AT 0.021' TOWARDS THE ROAD AND LEVEL TO THE THICKENED EDGE.
- SLOPES TO BE STABILIZED TO PREVENT EROSION. IN CASE EROSION OCCURS IN DITCHES, DITCH LINING IS TO BE PROVIDED AS REQUESTED AND SPECIFIED BY THE PUBLIC WORKS DIRECTOR.
- ALL TYPE 2 CATCH BASINS OVER 4 FEET IN HEIGHT SHALL HAVE STANDARD STEPS.
- WHERE NEW PAVING MEETS EXISTING PAVEMENT, OVERLAY AND FINISH EXISTING PAVEMENT TO PROVIDE A SMOOTH TRANSITION FROM EXISTING TO PROPOSED PAVING. APPLY TACK COAT TO INSURE PROPER BONDING.
- PROVIDE 4-FOOT SHOULDER OF 2 INCH COMPACTED DEPTH CRUSHED SURFACING TOP COURSE AROUND ENTIRE RADIUS AND TAPER TO EXISTING SHOULDER ON BOTH SIDES (WHERE APPLICABLE).
- INDIVIDUAL LOT DRAINS WHEN INSTALLED SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER.

REVISIONS

DESIGN: J.D. CHECKED: G.M. DATE: 4-84
 DRAWN: D.G. SCALE: NO. SCALE

STAPAN & ASSOCIATES, Inc.
 Professional Engineers, Surveyors, Planners, and Environmental Scientists
 590 So. 336th Street, Suite A, Federal Way, Washington 98003
 Telephone: (206) 877-7800, Fax: (206) 877-7771

BUSCH ADDITION
 STANDARD DETAILS
 CITIZENS SERVICE CORP.
 BOTHELL, WASHINGTON

SHEET
 6 of 6
 JOB NO. 46021.00