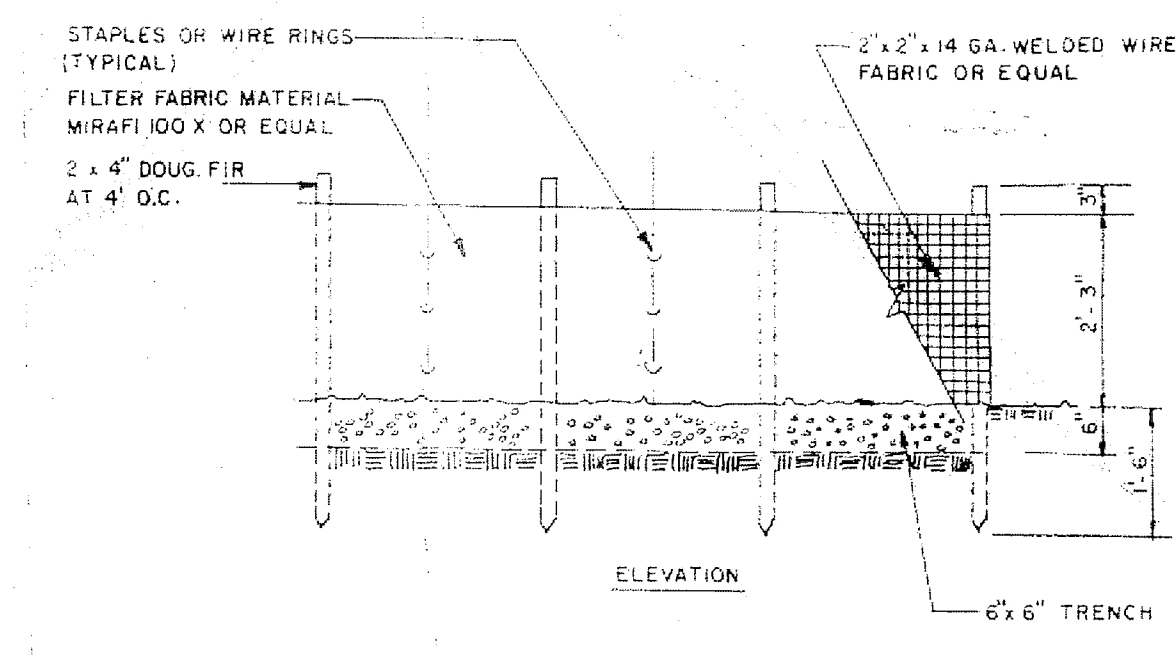
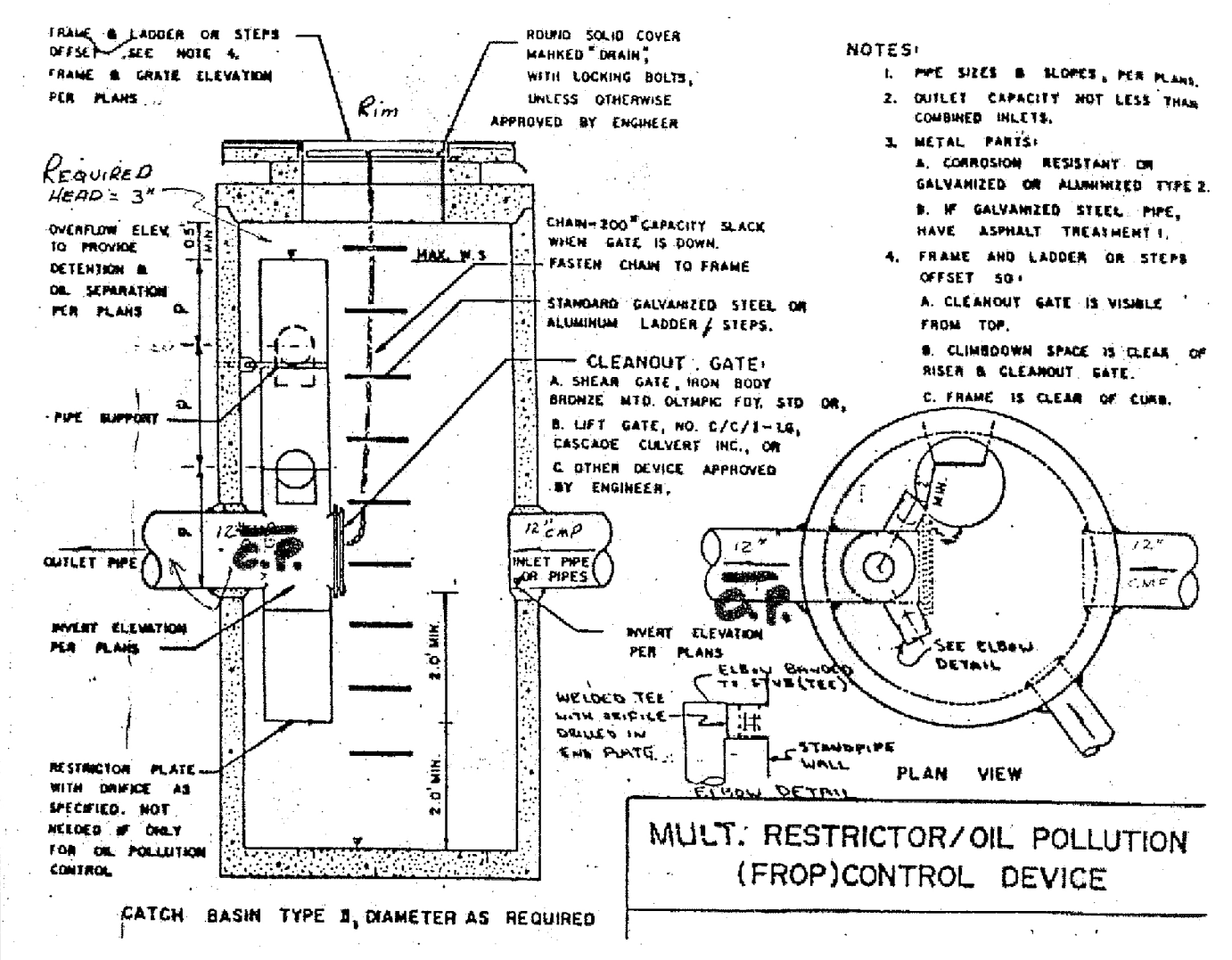


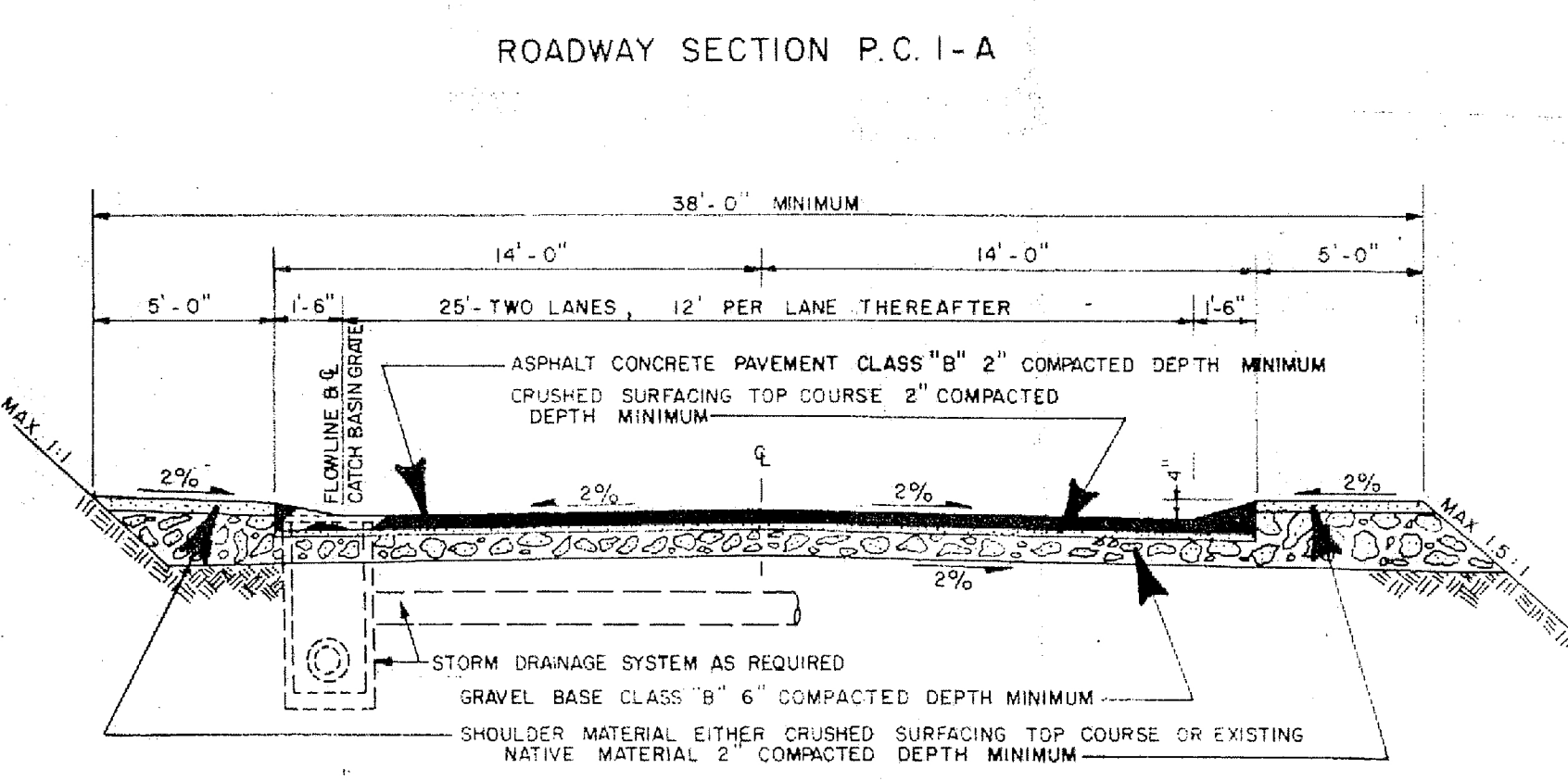
NOTE:
 ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE LATEST STATE OF WASHINGTON, DEPARTMENT OF HIGHWAYS STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.



NOTES:
 1. PLACE 1' OF 3/4"-1/2" WASHED ROCK OR PEA GRAVEL ON BOTH SIDES OF FENCE TO CREATE A BEVEL SHAPE.
 2. FABRIC SHALL COVER BOTTOM OF 6" x 6" TRENCH AND EXTEND BEYOND THE LIMITS OF OVERLAP OF 2" MINIMUM AS SHOWN IN TYPICAL CROSS-SECTION.

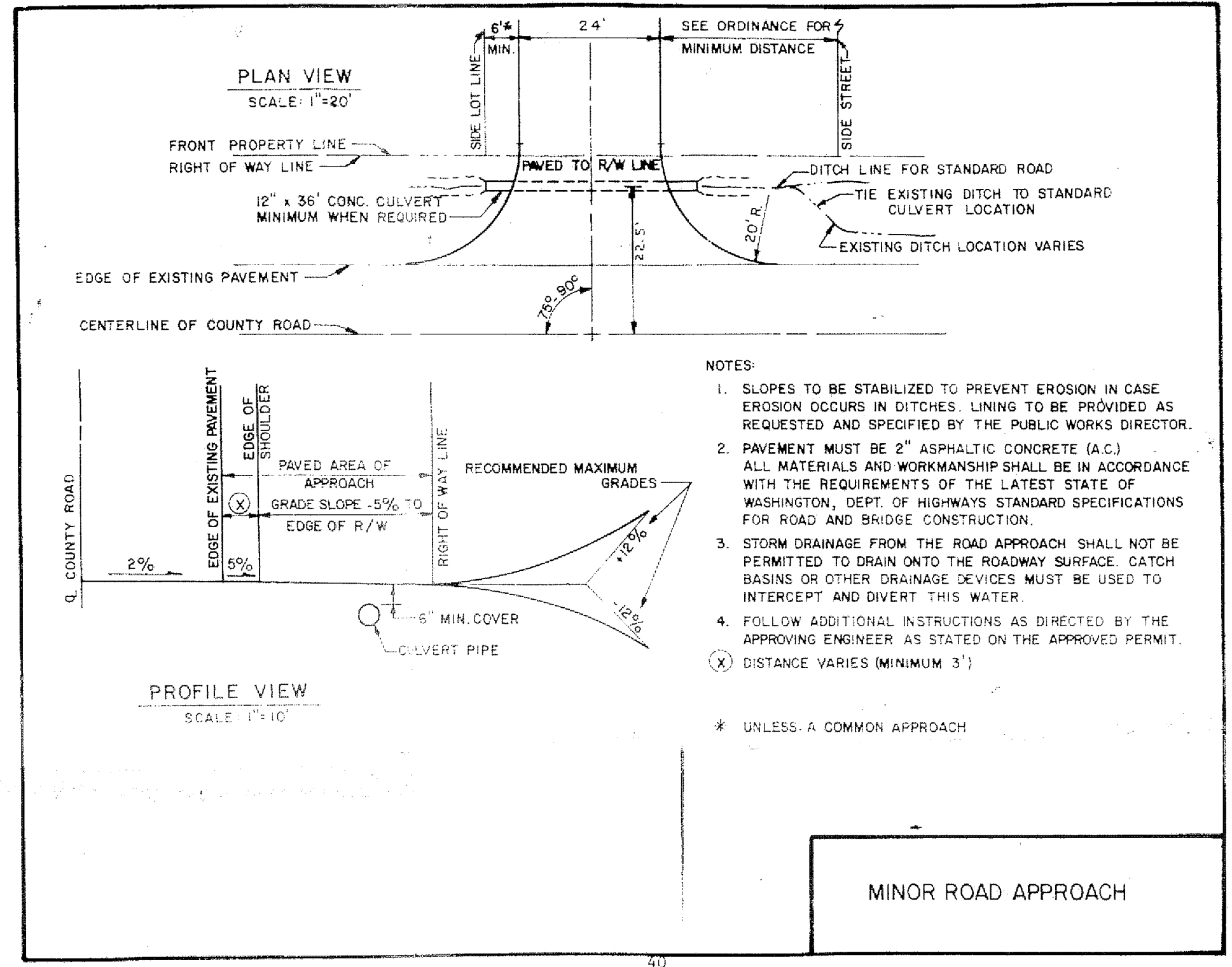


NOTES:
 1. PIPE SIZES & SLOPES, PER PLAN.
 2. OUTLET CAPACITY NOT LESS THAN COMBINED INLETS.
 3. METAL PARTS:
 A. CORROSION RESISTANT OR GALVANIZED OR ALUMINIZED TYPE 2.
 B. IF GALVANIZED STEEL, PIPE, HAVE ASPHALT TREATMENT.
 4. FRAME AND LADDER OR STEPS OFFSET 50".
 A. CLEARANCE GATE IS VISIBLE FROM TOP.
 B. CLIMBDOWN SPACE IS CLEAR OF RISER & CLEANOUT GATE.
 C. FRAME IS CLEAR OF CURB.



NOTE:
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- CONSTRUCTION SEQUENCE
1. 1ST PHASE EROSION CONTROL MEASURES - SILT FENCES
 2. CLEAR CONSTRUCTION AREA
 3. 2ND PHASE EROSION CONTROL MEASURES - STRAW DAMS AND SILT FENCES IN NEWLY CLEARED AREAS
 4. EXCAVATION - ROADS, STORM DRAINS, DETENTION PONDS
 5. 3RD PHASE EROSION CONTROL MEASURES - ADDITIONAL SILT FENCES AS NEEDED
 6. INSTALL STORM DRAINS AND F.R.D.P.
 7. PLACE BALLAST FOR ROADS
 8. INSTALL WATER SYSTEM, TELEPHONE AND POWER
 9. PLACE CRUSHED ROCK ROAD BASE, PAVE ROADS
 10. 4TH PHASE EROSION CONTROL MEASURES - SOIL STABILIZATION AND SEEDING
 11. SITE CLEAN UP

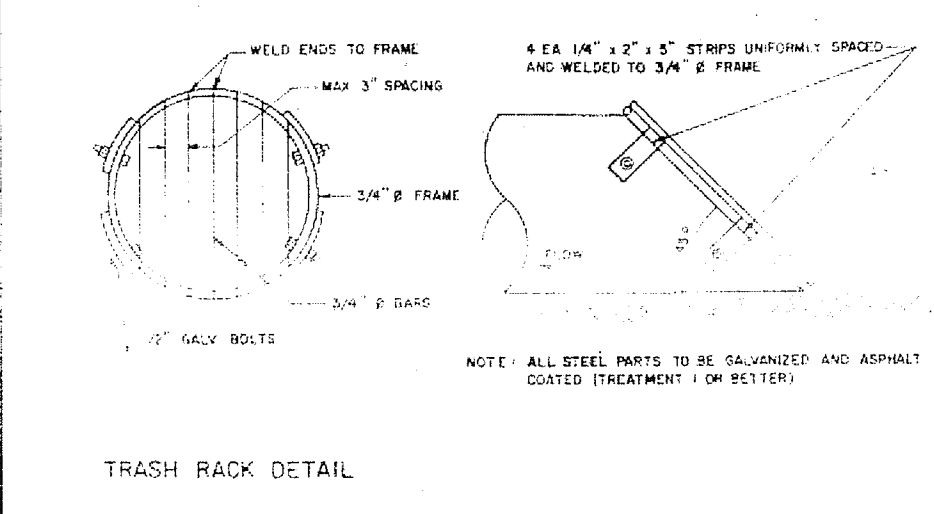


NOTES:
 1. SLOPES TO BE STABILIZED TO PREVENT EROSION IN CASE EROSION OCCURS IN DITCHES. LINING TO BE PROVIDED AS REQUESTED AND SPECIFIED BY THE PUBLIC WORKS DIRECTOR.
 2. PAVEMENT MUST BE 2" ASPHALTIC CONCRETE (A.C.)
 ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE LATEST STATE OF WASHINGTON, DEPT. OF HIGHWAYS STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
 3. STORM DRAINAGE FROM THE ROAD APPROACH SHALL NOT BE PERMITTED TO DRAIN ONTO THE ROADWAY SURFACE. DITCH BASINS OR OTHER DRAINAGE DEVICES MUST BE USED TO INTERCEPT AND DIVERT THIS WATER.
 4. FOLLOW ADDITIONAL INSTRUCTIONS AS DIRECTED BY THE APPROVING ENGINEER AS STATED ON THE APPROVED PERMIT.
 * UNLESS A COMMON APPROACH

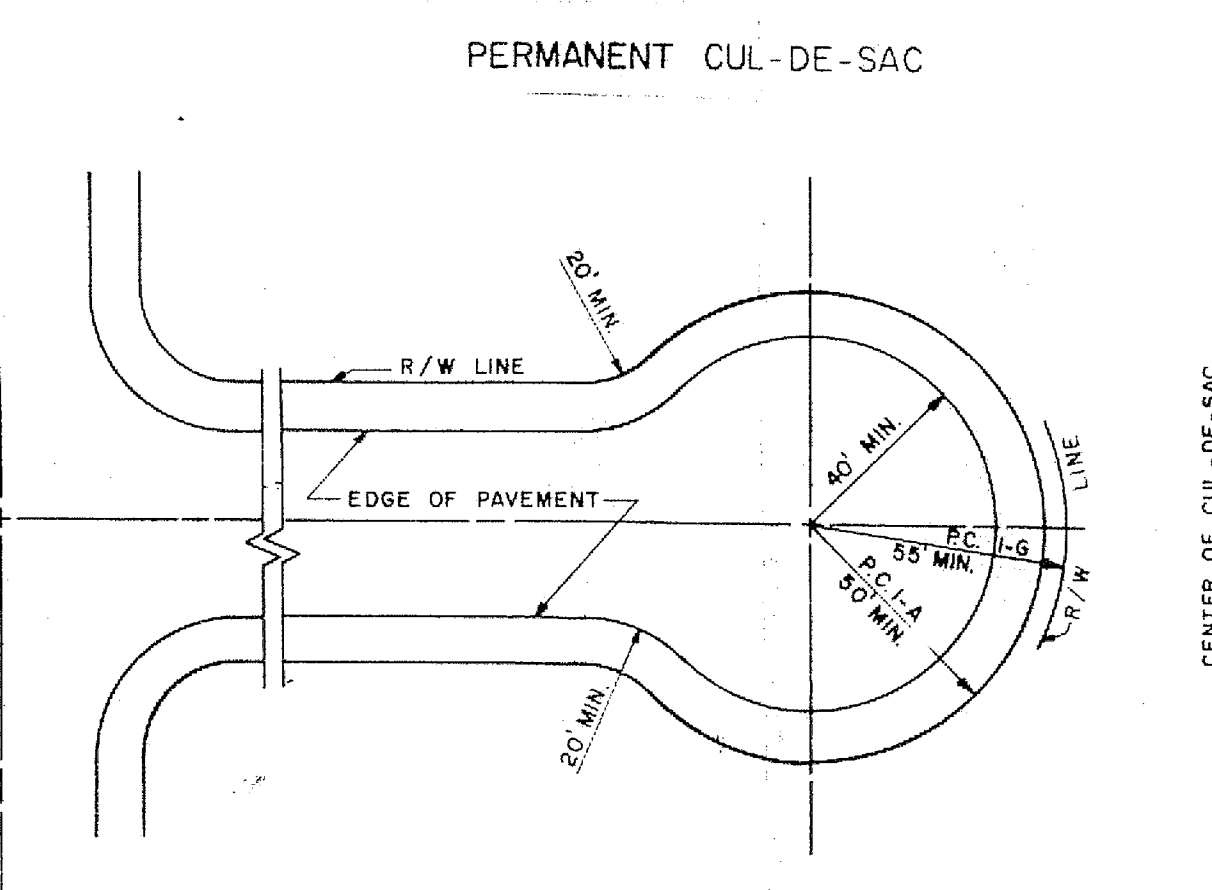
EROSION/SEDIMENTATION CONTROL NOTES
 All limits of clearing and areas of vegetation preservation as prescribed on the plan shall be clearly flagged in the field and observed during construction.
 All required sedimentation/erosion control facilities must be constructed and in operation prior to land clearing and/or other construction to insure that sediment laden water does not enter the natural drainage system. All erosion and sediment facilities shall be maintained in a satisfactory condition until such time that clearing and/or construction is completed and potential for onsite erosion has passed. The implementation, maintenance, replacement and addition to erosion/sedimentation control systems shall be the responsibility of the permittee.
 The erosion and sedimentation control systems depicted on this drawing are intended to be minimum requirements to meet anticipated site conditions. As construction progresses and unexpected or seasonal conditions dictate, the permittee should anticipate that more erosion and sedimentation control facilities will be necessary to insure complete siltation control on the proposed site. During the course of construction, it shall be the obligation and responsibility of the permittee to address any new conditions that may be created by his activities and to provide additional facilities, over and above minimum requirements, as may be needed to protect adjacent properties and water quality of the receiving drainage system.
 In any areas which has been stripped of vegetation and where no further work is anticipated for a period of 30 days or more, all disturbed areas must be immediately stabilized with mulching, grass planting or other approved erosion control treatment applicable to the time of year in question. Grass seeding alone will be acceptable only during the months of April thru September inclusive. Seeding may proceed, however, whenever it is in the interest of the permittee, but must be augmented with mulching, netting, or other treatment.

All pipe shall be laid on a properly prepared foundation according to Washington State Spec. 7-02.3(1). This shall include necessary leveling of the trench bottom or the top of the foundation material as well as placement and compaction of required bedding material to uniform grade so that the entire length of the pipe will be supported on a uniformly dense unyielding base. If the native material in the bottom of the trench meets the requirements for "Gravel Backfill for Pipe Bedding" the first lift of pipe bedding may be omitted provided the material in the bottom of the trench is loosened, regraded and compacted to form a dense unyielding base.
 All building downspouts and footing drains shall be connected to the storm drainage system, unless otherwise approved by the Department of Public Works.
 A copy of these approved plans must be on the job site whenever construction is in progress.
 All R/W FACILITIES WILL BE INSTALLED AND IN OPERATION PRIOR TO OR IN CONSTRUCTION WITH ALL CONSTRUCTION ACTIVITY UNLESS THAT ACTIVITY EXCEEDS THE CAPACITY AND INTENT OF THE EROSION/SEDIMENTATION CONTROL FACILITIES

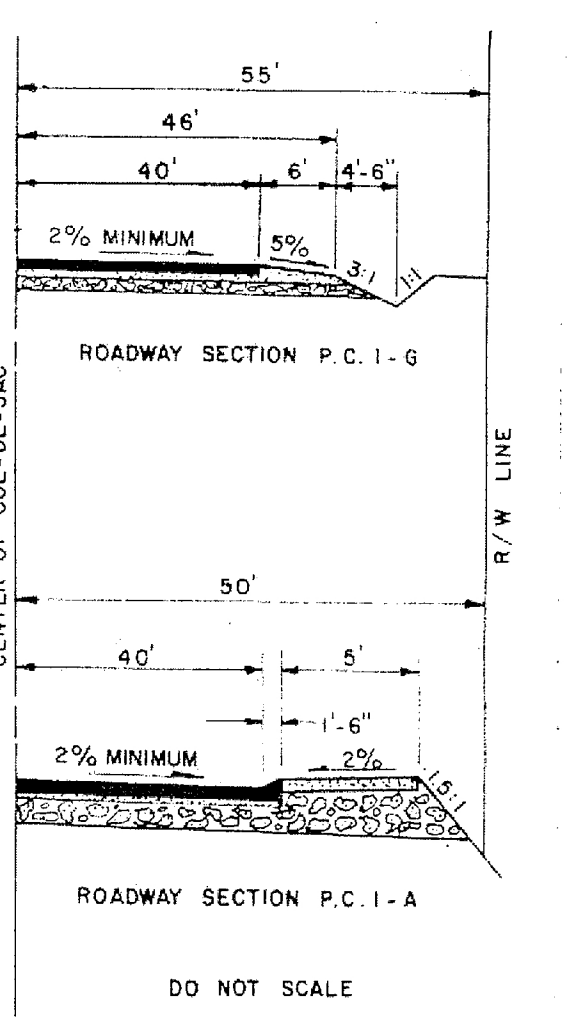
All Catch Basins shall be depressed 0.10 feet below pavement level.
 All drainage structures not on public right-of-ways shall have round, solid locking lids, unless otherwise approved by the Department of Public Works.
 Rock for erosion protection of roadside ditches, where required, shall be of sound quarry rock to a depth of 1 foot. Rock aggregate to be as follows:
 1/2" - 2" 10% - 20%
 2" - 4" 20% - 40%
 4" - 8" 40% - 70%



CATCH BASIN INLET DETAIL
 THIS DETAIL TO BE SHOWN AND CONSTRUCTED WHEN PROFILE GRADE EQUALS OR EXCEEDS 6%.



1. A 50' RIGHT-OF-WAY RADIUS IS REQUIRED WITH ROADWAY SECTION P.C. 1-A.
 2. A 55' RIGHT-OF-WAY RADIUS IS REQUIRED WITH ROADWAY SECTION P.C. 1-G.



NOTE:
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NOTE: THE CONTRACTOR WILL LIMIT HIS WORK DAY FROM 7 AM TO 5 PM. THE CONTRACTOR WILL KEEP THE WORK AREA SPRINKLED AND TAKE ALL STEPS REASONABLY POSSIBLE TO MINIMIZE DUST.

 "FACTORIA EAST" SUITE 101 BELLEVUE, WA. 98006		12826 S.E. 40TH LANE TELEPHONE (206) 841-5810		SHEET 11 OF 13
KOPACHUCK RIDGE ESTATES DIVISION NO. 3 CITIZENS SERVICE CORPORATION ONE NEWPORT 2805 182ND AVE. SE, SUITE 214, BELLEVUE, WA 98006 (206) 841-3400				DETAILS JOB NO. 8303 DRAWN JP CHECKED BS DATE 7-10-87
REVISIONS #1 PIERCE CO. REVISIONS 8-20-86 #2 PIERCE CO. REVISIONS 9-22-86 #3 PIERCE CO. REVISIONS 11-7-86				
EUGENE C. SPROUT P.E. & L.S. 9690				