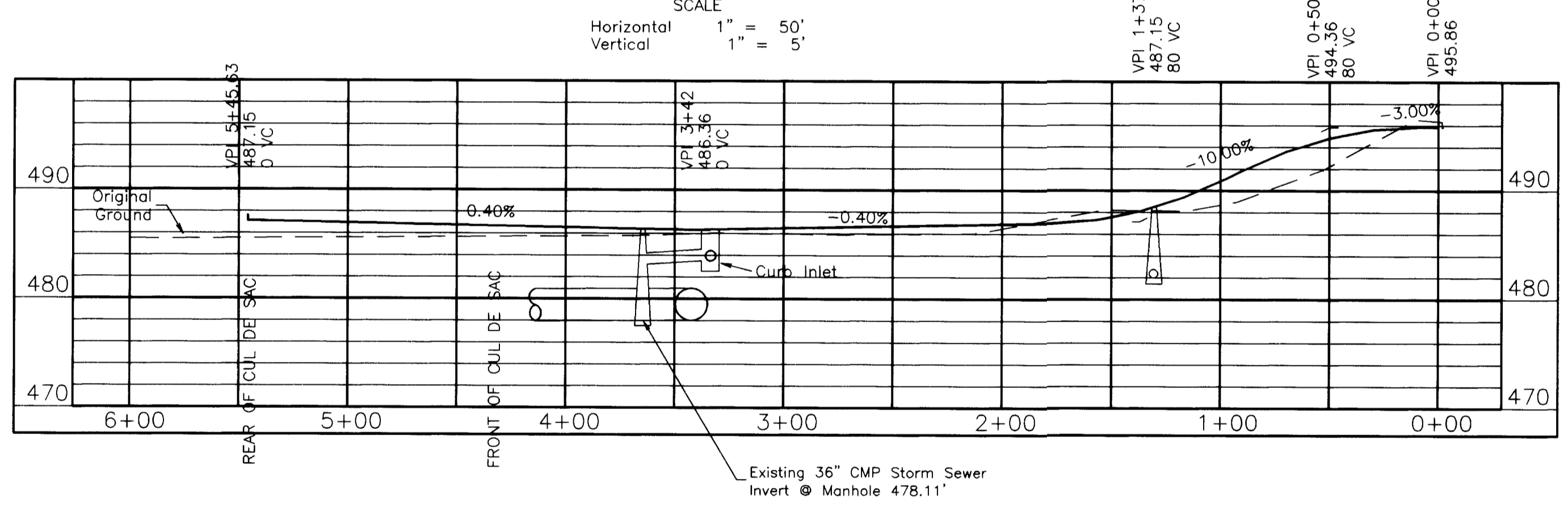
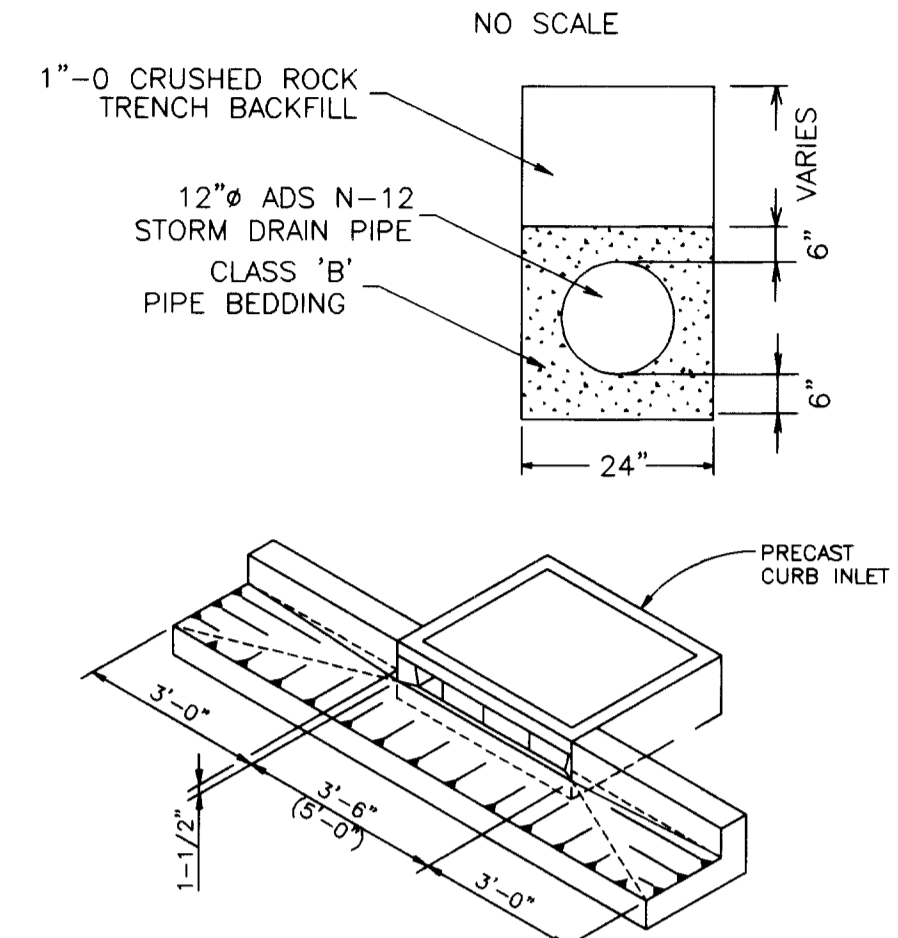


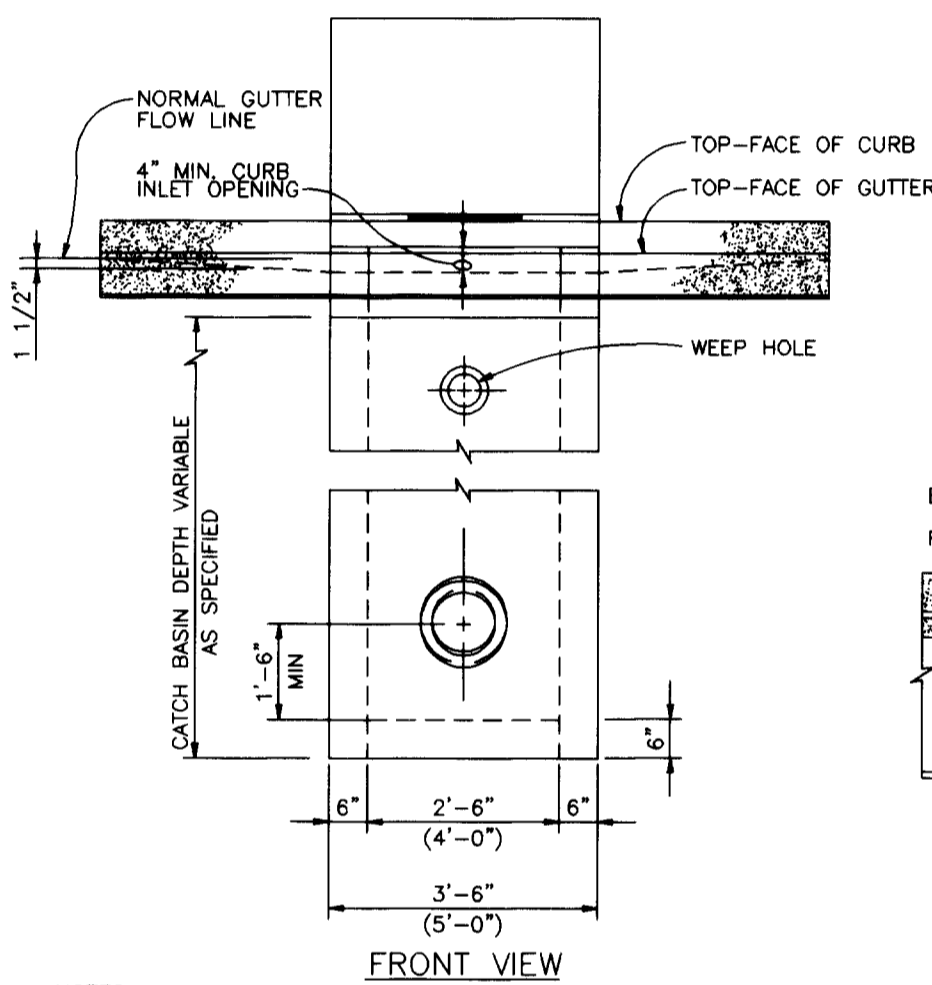
STREET PROFILE



TYPICAL ADS STORM SEWER TRENCH CONSTRUCTION



PERSPECTIVE VIEW SHOWING DEPRESSED GUTTER AT CURB INLET



NOTES:

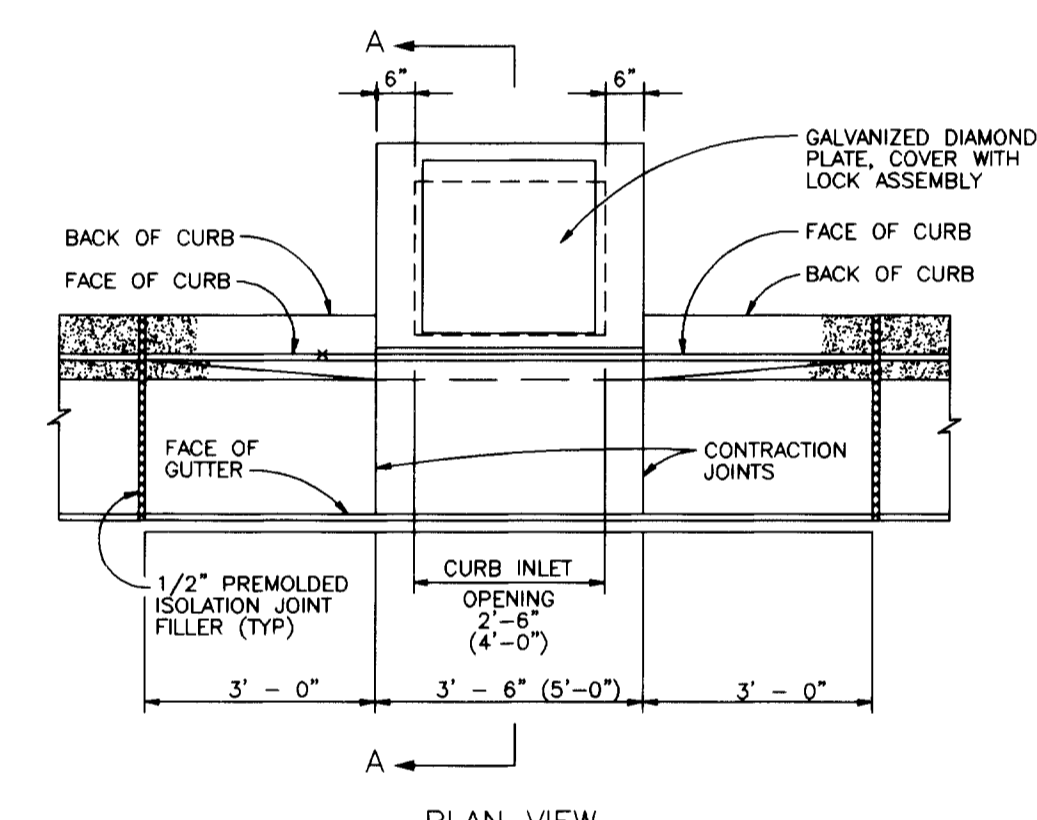
1. ALL FABRICATED METAL PARTS SHALL BE HOT-DIPPED GALVANIZED AFTER FABRICATION.
2. CONCRETE SHALL BE CLASS 3000.
3. FOR STEEP GRADES USE STD. PRECAST INLET WITH 4'-0" OPENING OR TWO 2'-6" OPENING INLETS.
4. CURB INLET BASE MAY BE PRECAST OR CAST-IN-PLACE.

GENERAL NOTES

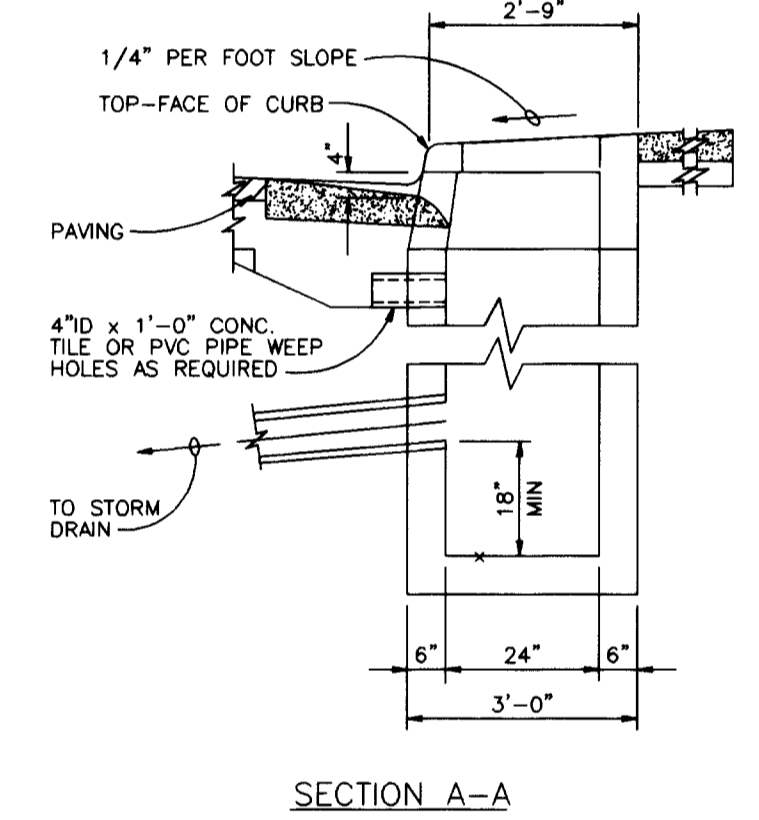
1. THE 1990 EDITION OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION PREPARED BY THE AMERICAN PUBLIC WORKS ASSOCIATION, OREGON CHAPTER, WILL BE CONSIDERED THE STANDARD SPECIFICATIONS WITH THE EXCEPTION OF DIVISION 1 AND ALL MEASUREMENT AND PAYMENT SECTIONS.
2. TRENCH BACKFILL SHALL BE CLASS "A" (3/4"-0" CRUSHED ROCK) UNDER ALL STREETS BACK OF SIDEWALK TO BACK OF SIDEWALK, AND CLASS "C" (SUITABLE EXCAVATED MATERIAL) ELSEWHERE UNLESS SHOWN DIFFERENT ON TRENCH DETAIL OR IN SPECIFICATIONS. ALL TRENCHES SHALL BE COMPACTED WITH HAND OPERATED PNEUMATIC COMPACTOR.
3. THE CONTRACTOR SHALL REPLACE ANY AND ALL SURVEY MONUMENTS WHICH ARE AFFECTED BY THE CONSTRUCTION. ALL MONUMENTS WILL BE RESET BY A LICENSED LAND SURVEYOR AND BACKCHARGED TO THE CONTRACTOR AT \$25.00 PER MONUMENT RESET. SURVEY MONUMENT SHALL BE INSTALLED AT ALL P.C.'S, P.T.'S AND AT CENTER OF CUL DE SACS.
4. LOCATIONS SHOWN ON ENGINEERING DRAWINGS ARE APPROXIMATE. THE EXACT LOCATION WILL BE STAKED IN THE FIELD BY THE ENGINEER. CONTRACTOR TO GIVE 7 DAYS NOTICE TO THE ENGINEER FOR STAKES.
5. CONTRACTOR SHALL MAINTAIN A MINIMUM HORIZONTAL SEPARATION OF 10 FEET BETWEEN WATER MAIN AND SEWER MAINS MEASURED EDGE TO EDGE.
6. 14 GAGE STRANDED COPPER TONING WIRE WITH GREEN THHN INSULATION SHALL BE PLACED IN ALL SEWER TRENCHES WHERE PIPE HAS BEEN LAID
7. THE CONTRACTOR SHALL NOTIFY ALL AFFECTED UTILITY COMPANIES FOR LOCATIONS OF MAINLINE AND SERVICE LINE LOCATIONS PRIOR TO DIGGING. UTILITIES WHICH ARE DAMAGED AND WERE MARKED PROPERLY WILL BE REPAIRED BY THE CONTRACTOR AT HIS COST. UTILITIES WHICH ARE DAMAGED BY THE CONTRACTOR THAT WERE UNMARKED OR IMPROPERLY MARKED WILL BE PAID FOR BY THE OWNER OF THE AFFECTED UTILITY. CONTRACTOR TO CONTACT "ONE-CALL" AT LEAST 48 HOURS PRIOR TO CONSTRUCTION AT 1-800-332-2344.
8. CONTRACTOR SHALL CONSTRUCT ALL TRENCHES NEEDED TO INSTALL POWER DISTRIBUTION LINES AND INSTALL ALL CONDUIT AND BASES FOR STREET LIGHTS PER PLAN. SOURCE, SIZE AND CONSTRUCTION METHOD SHALL BE PER PACIFIC POWER DIRECTION.

GENERAL STREET IMPROVEMENT NOTES

1. ALL STREET IMPROVEMENT WORK SHALL BE IN CONFORMANCE WITH THE LATEST DOUGLAS COUNTY PUBLIC WORKS DEPARTMENT DESIGN STANDARDS AND STANDARD DRAWINGS. IN CASE OF CONFLICT, THE DOUGLAS COUNTY STANDARDS SHALL TAKE PRECEDENCE OVER THE STANDARD SPECIFICATIONS.
2. ALL ASPHALT PAVEMENT SHALL BE "C" MIX MEETING OREGON DEPARTMENT OF TRANSPORTATION STANDARDS. ASPHALT PAVEMENT SHALL HAVE A NOMINAL DEPTH OF 2" COMPACTED AND SHALL BE PLACED IN ONE LIFT. ALL EDGES SHALL BE COMPLETELY COATED WITH TACK OIL.
3. ALL CONCRETE USED IN CATCH BASINS, SIDEWALKS AND CURBS SHALL HAVE STRENGTH OF 3300 PSI AT 28 DAYS.



PLAN VIEW



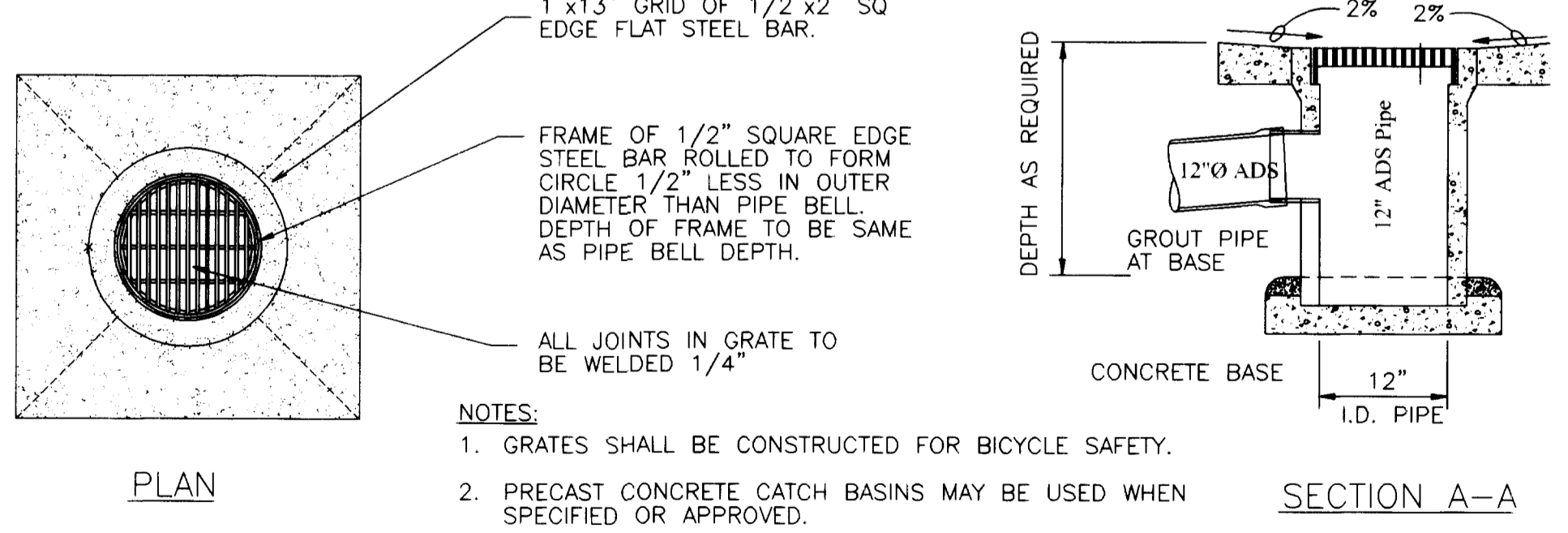
SECTION A-A

LARGE MANHOLE BASE (STORM SEWER)

DOUGLAS COUNTY PUBLIC WORKS INSPECTION SCHEDULE

- DOUGLAS COUNTY PUBLIC WORKS SHALL BE NOTIFIED FOR INSPECTION AT LEAST 24 HOURS PRIOR TO THE ACCOMPLISHMENT OF THE FOLLOWING STAGES OF CONSTRUCTION:
1. ANY STORM SEWER CONSTRUCTION (INCLUDING STRUCTURES)
 2. FINISH SUB-GRADE (PRIOR TO FABRIC INSTALLATION)
 3. SOIL STABILIZATION FABRIC INSTALLATION
 4. ANY CONCRETE WORK
 5. FINISH BASE COURSE GRADE
 6. PAVING
- NONE OF THE ABOVE ITEMS OF WORK SHALL BE COVERED UNTIL APPROVED BY DOUGLAS COUNTY DEPARTMENT OF PUBLIC WORKS.

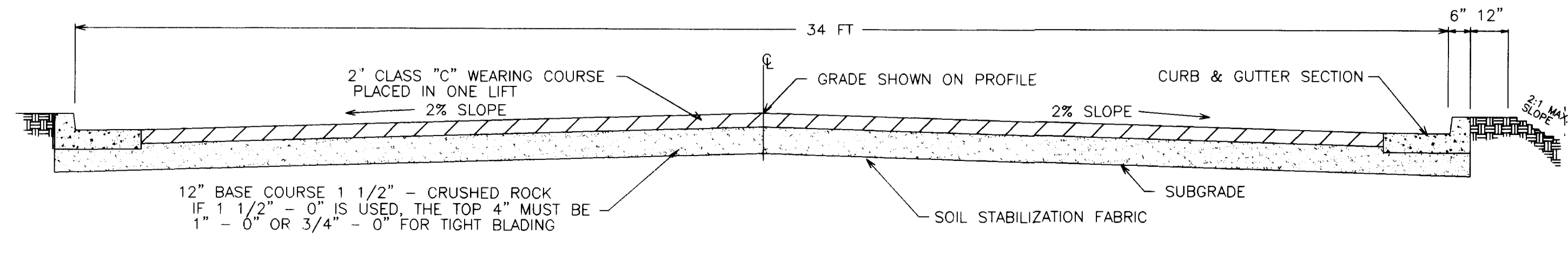
AREA CATCH BASIN INLET



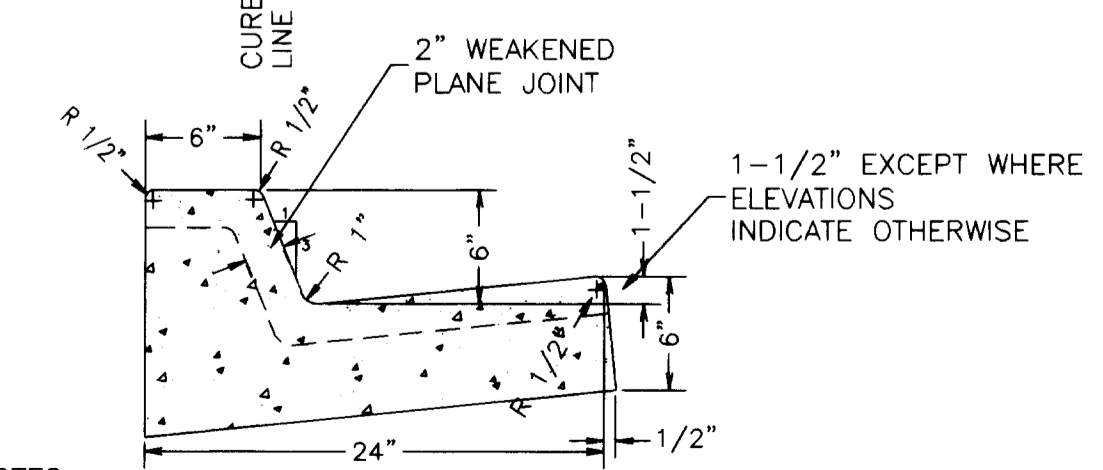
SECTION A-A

- NOTES:
1. GRATES SHALL BE CONSTRUCTED FOR BICYCLE SAFETY.
 2. PRECAST CONCRETE CATCH BASINS MAY BE USED WHEN SPECIFIED OR APPROVED.

TYPICAL ASPHALT CONCRETE CROWN SECTION

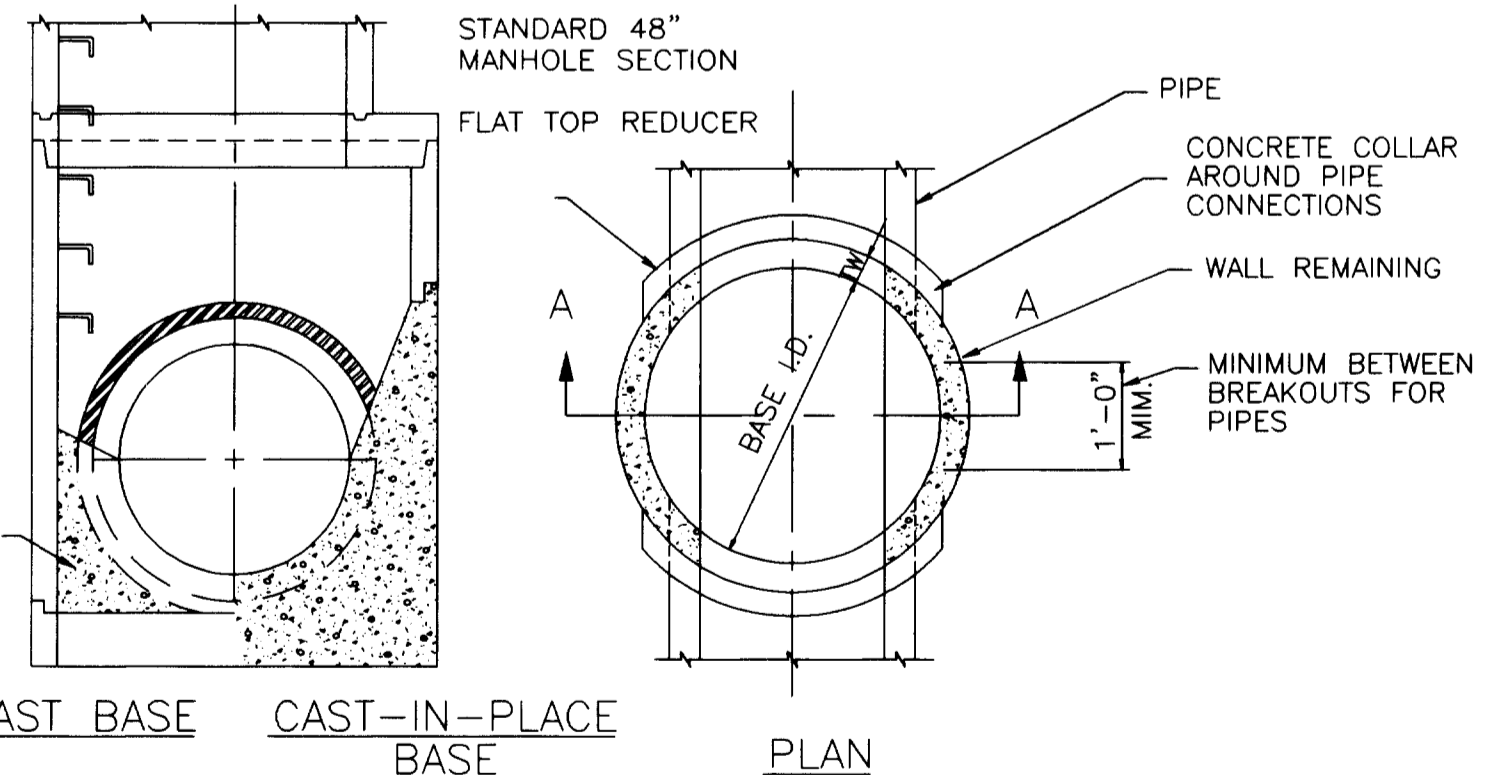


CURB & GUTTER



NOTES:

1. JOINT SPACING WILL BE 15' MAXIMUM FOR CONTRACTION AND 200' MAXIMUM OR AT ALL POINTS OF TANGENCY FOR EXPANSION.
2. TOPS OF ALL CURBS SHALL SLOPE TOWARD THE ROADWAY 0.02' NORMAL UNLESS OTHERWISE SHOWN OR AS DIRECTED.



SECTION A-A

PLAN

TYPE	DEPTH*	BASE I.D.
CAST IN PLACE	0'-15'	60"
	Ts	7.0"
	E BARS	#4 @ 12"
	F BARS	#4 @ 12"

*INVERT TO STREET GRADE
NOTE: CONCRETE SHALL BE CLASS 3000. STEEL fg = GRADE 60.

HARWALD SUBDIVISION

Date: 3-3-2000
This survey consists of:
Map:
Narrative:
Corner Rpt:
DOUGLAS COUNTY SURVEYOR

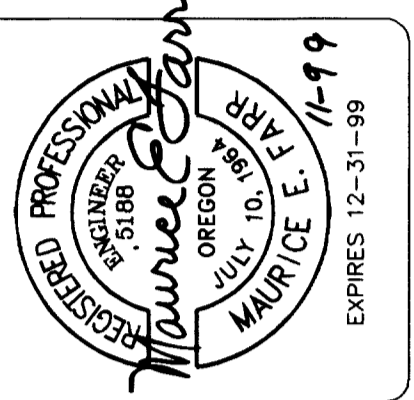
Stella Street
Green

STORM SEWER DETAILS
STREET CONSTRUCTION

November 1999

SHEET
2 OF 5

PLANS PREPARED BY
MAURICE E. FARR
REGISTERED PROFESSIONAL SURVEYOR
5395 NE KIRBY AVENUE
ROSEBURG, OR 97470
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