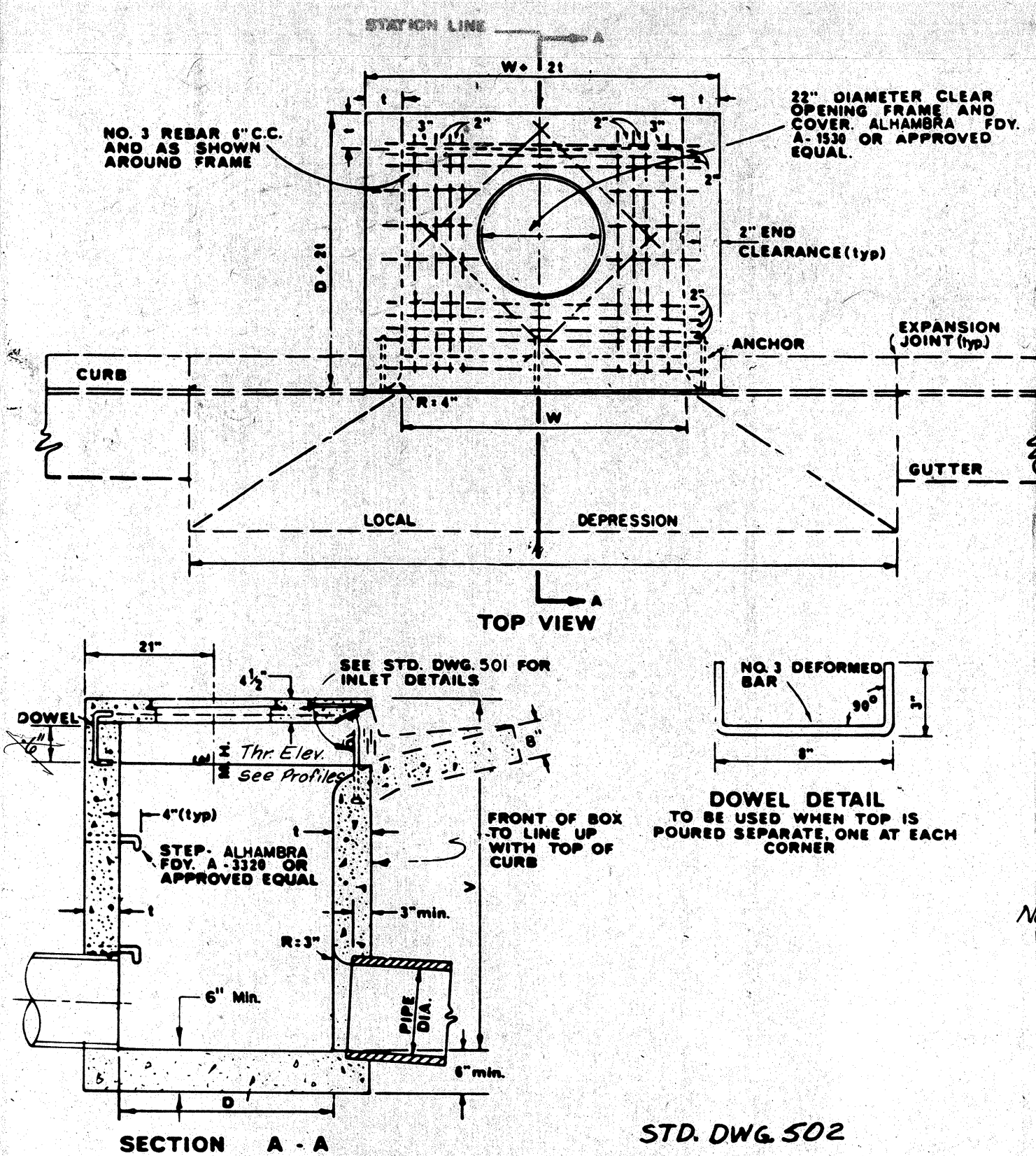
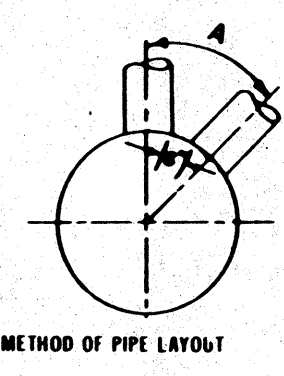




- NOTES:**
- CONCRETE shall be 560-C-3250 Portland Cement Concrete
 - CONNECTOR PIPE shall be horizontally centered on the wall of the catch basin which faces the connector pipe.
 - CURVATURE of the lip and sidewalls at the opening shall be formed by curved forms and shall not be made by plastering.
 - DIMENSIONS:
 - W shall be as specified on the plan (4" min.)
 - V shall be as specified on the plan.
 - D = 3" unless otherwise specified on the plan.
 - t = 6" if V is 4" or less
 - t = 8" if V is between 4" and 8"
 - t = 10" if V is 8" or more
 - Thickness of the wall under the opening shall be t + 2" when W exceeds 7'0"
 - STEP SPACING:
 - If V is 3.5' or less, no steps are required.
 - If V is more than 3.5' and not more than 4', install one step 12" above the floor.
 - If V is more than 4', install steps 12" apart with the top step 20" to 24" below the top surface of the basin.
 - When the basin has a channel use V minus shelf height to determine step spacing.
 - PIPES shall be trimmed to the final shape and length before concrete is poured.
 - SURFACE of all exposed concrete in basin shall conform in slope, grade, color, finish and scoring to existing or proposed curb and walk adjacent to the basin and shall be free from protruding wires and nails. Floor of channel shall be given a steel-troweled finish.
 - TOP OF BASIN shall slope 2% toward curb except when otherwise shown on the plan or to fit existing sidewalk. To be poured monolithically with S/W if curb S/W is used.
 - FRAME AND COVER shall be located as shown on sheet 1 unless otherwise shown on the plan.

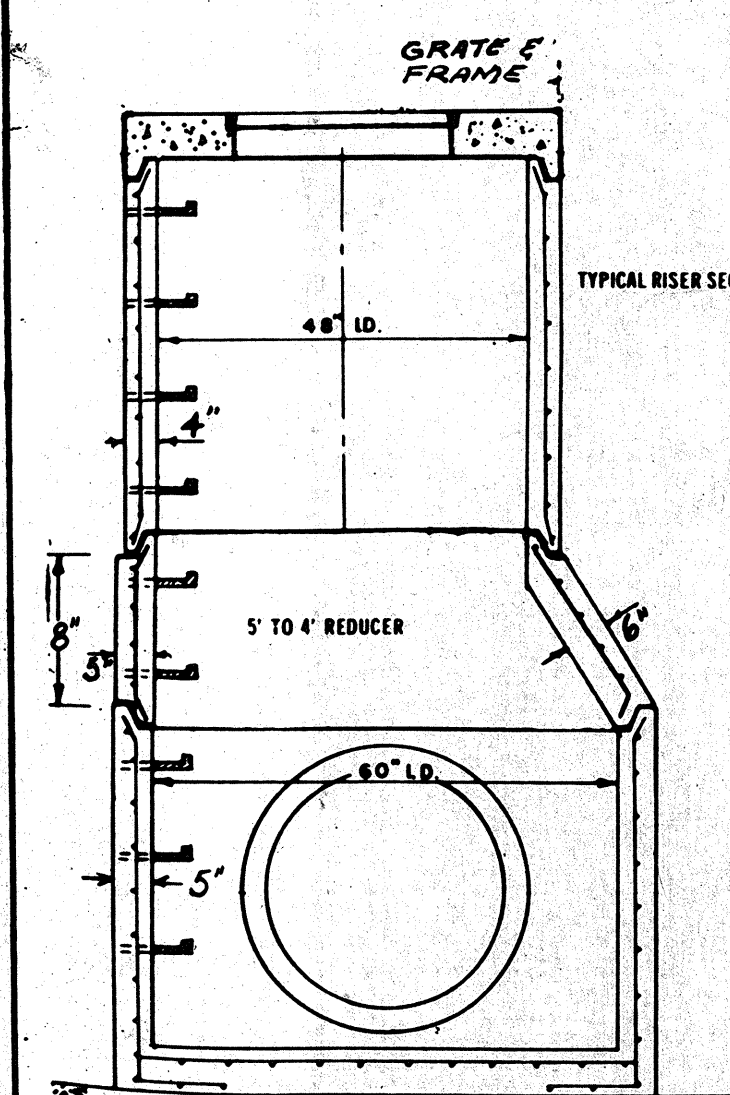
CATCH BASIN

NOT TO SCALE



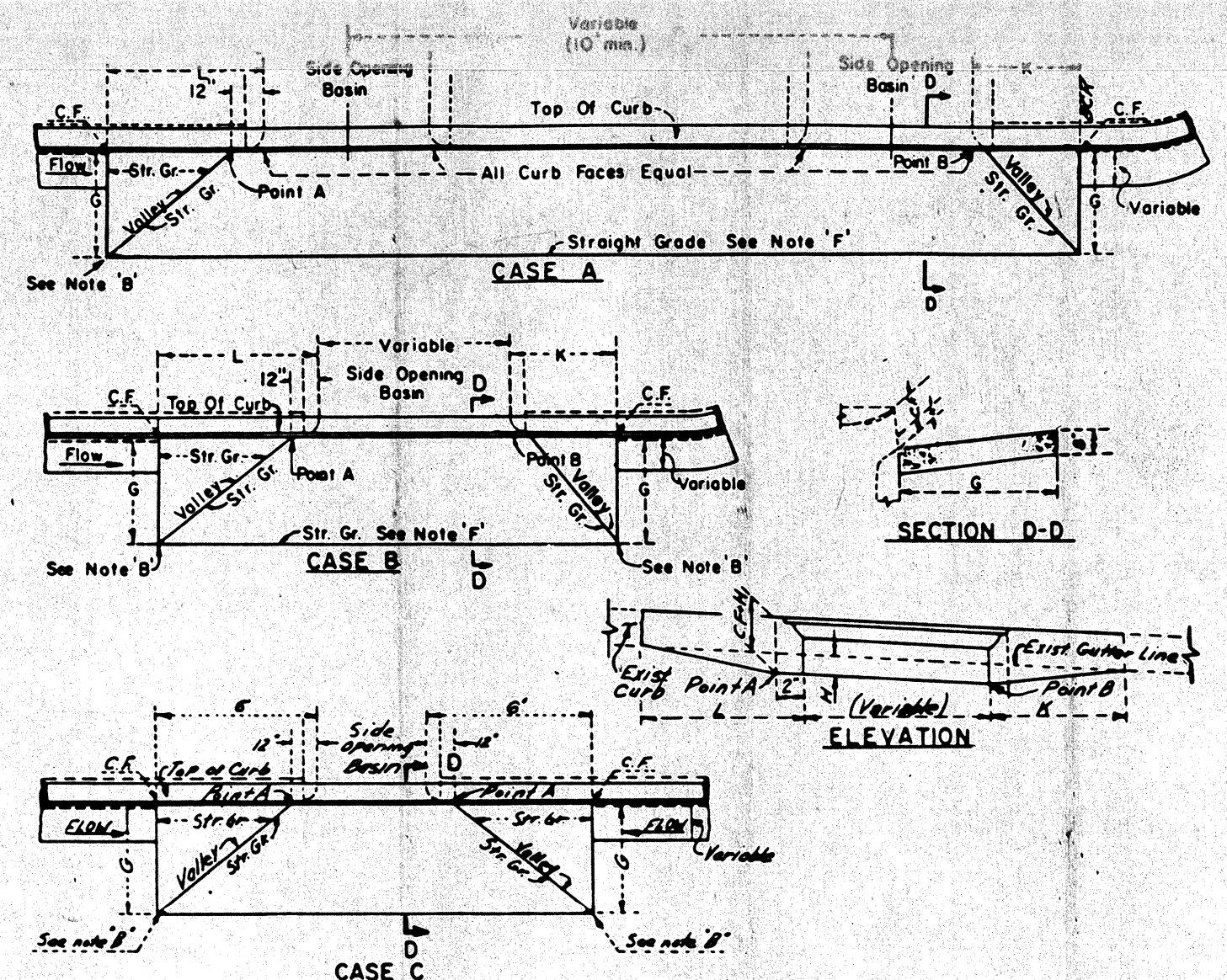
PIPE SIZE IN INCH	MIN. DIMENSION FOR ANGLE "A"		MIN. DIMENSION FOR ANGLE "B"	
	4" BASE ANGLE BY THE "A" CLOCK	5" BASE ANGLE BY THE "A" CLOCK	6" BASE ANGLE BY THE "A" CLOCK	6" BASE ANGLE BY THE "B" CLOCK
12	43"	1.30	40"	1.15
15	50"	1.40	47"	1.30
18	60"	2.00	55"	1.95
21	67"	2.15	62"	2.00
24	75"	2.30	70"	2.15
27			78"	2.30
30			86"	2.45
36			105"	3.05
42			140"	4.45
48			155"	3.45

THE ABOVE TABLE IS BASED ON 2 PIPES OF SAME DIAMETER.



DROP INLET MANHOLE

NOT TO SCALE

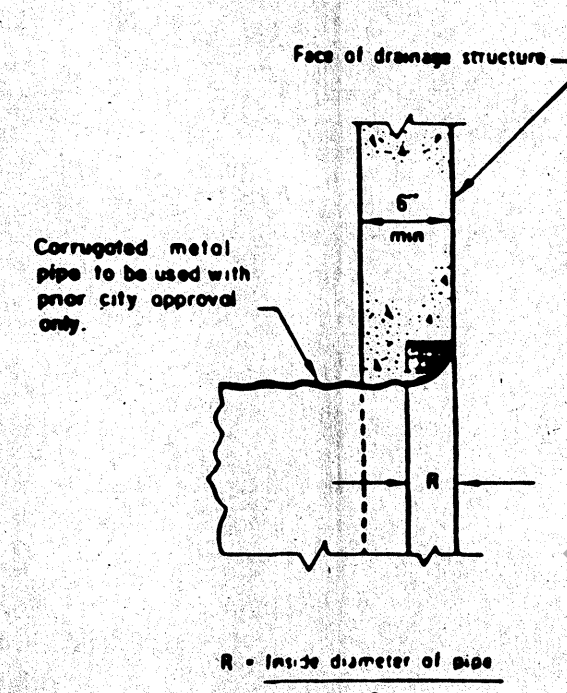


NOTES

- Local Depression shall be Class B unless otherwise specified on general plan.
- Elevations at outer corners shown on general plan. If no elevations are specified, the outer edge of Local Depression shall conform to finished street surface.
- Stakes shall be set to grade along the valley line. These stakes shall not be removed until just before final finishing.
- G = 4 feet unless otherwise specified. K = 5 feet unless otherwise specified. L = 6 "
- N = 4 inches unless otherwise specified on general plan.
- Points A and B shall be set at H inch below existing gutter grade.
- Special details governing the construction of this Local Depression on vertical curve shown on general plan.

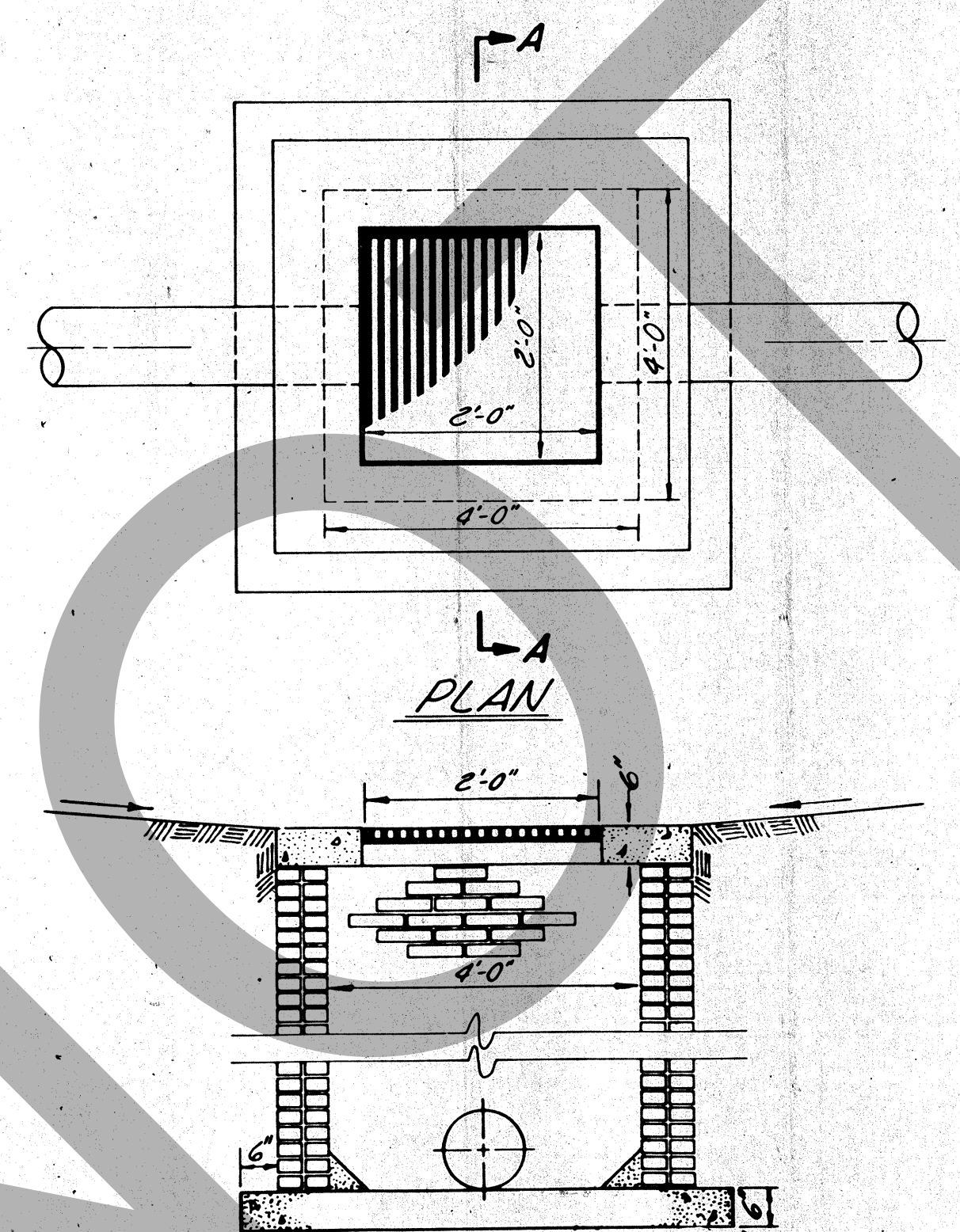
STD. DWG. # 18

LOCAL DEPRESSION FOR SIDE OPENING CATCH BASIN



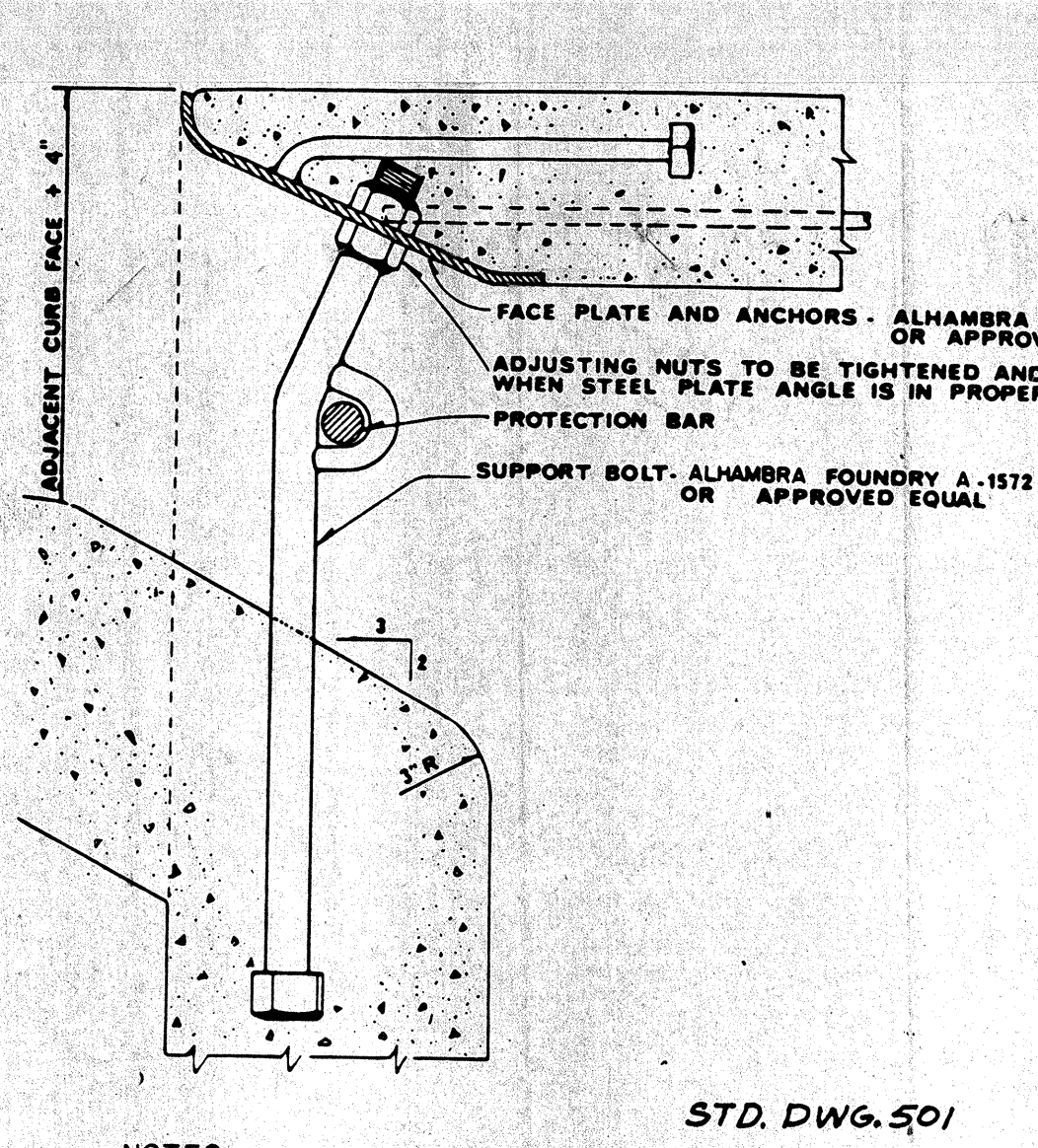
ROUNDED PIPE ENDS IN DRAINAGE STRUCTURE

NOT TO SCALE



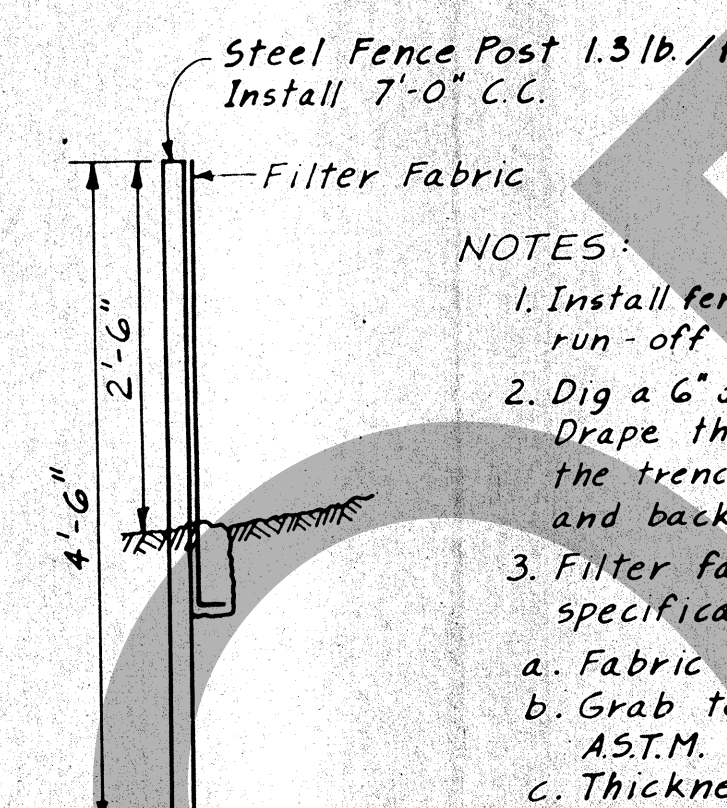
BRICK DROP INLET FOR SHALLOW CUTS (4' OR LESS)

NOT TO SCALE

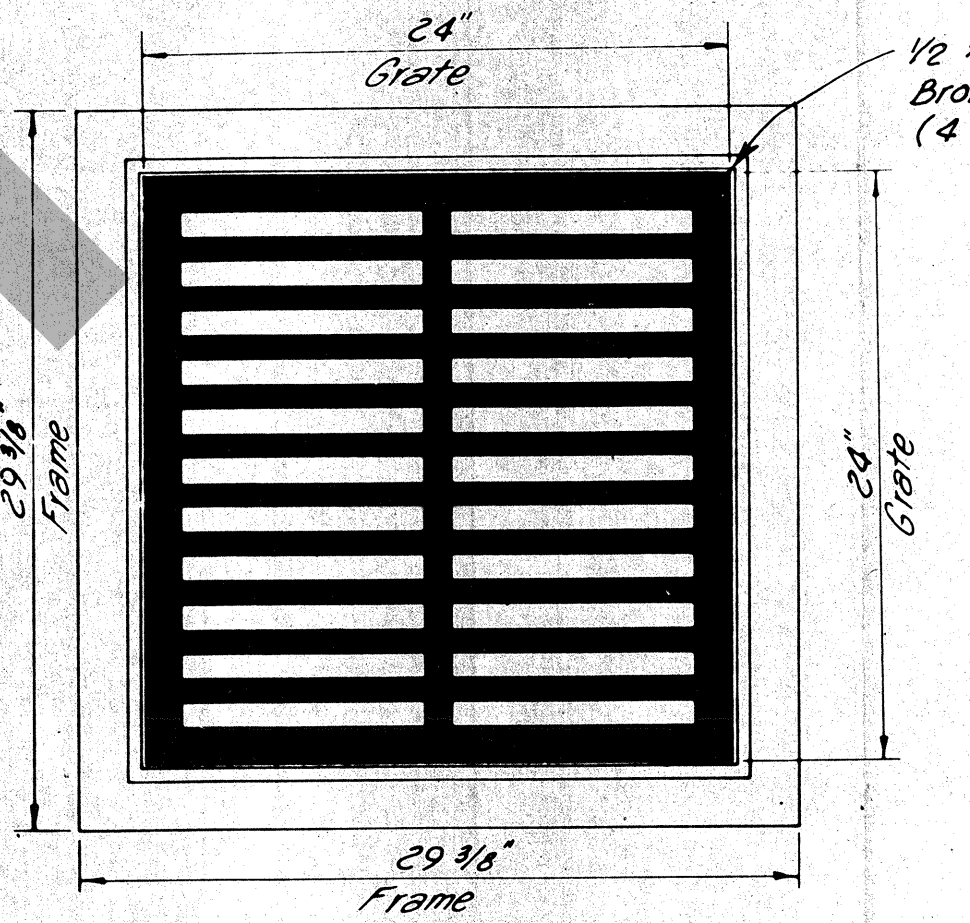


NOTES

- Face plate shall be embedded 4" in adjacent curb on each side of opening.
- Protection bar shall be 1" diameter plain steel. Embed 5" at each end. Center in opening when support bolts are not used. Not required for Catch Basin Type 303.
- Support bolts are required if width of opening exceeds 5'. Maximum spacing of bolts is 4'.
- All exposed metal parts shall be galvanized.

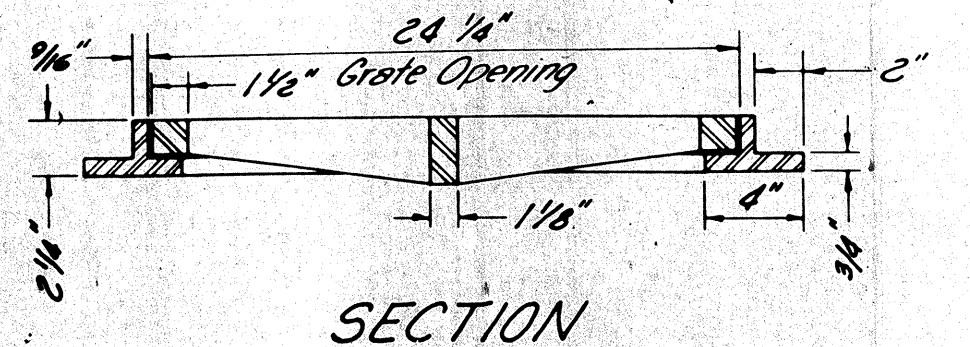


SEDIMENTATION CONTROL SILTATION FENCE DETAIL

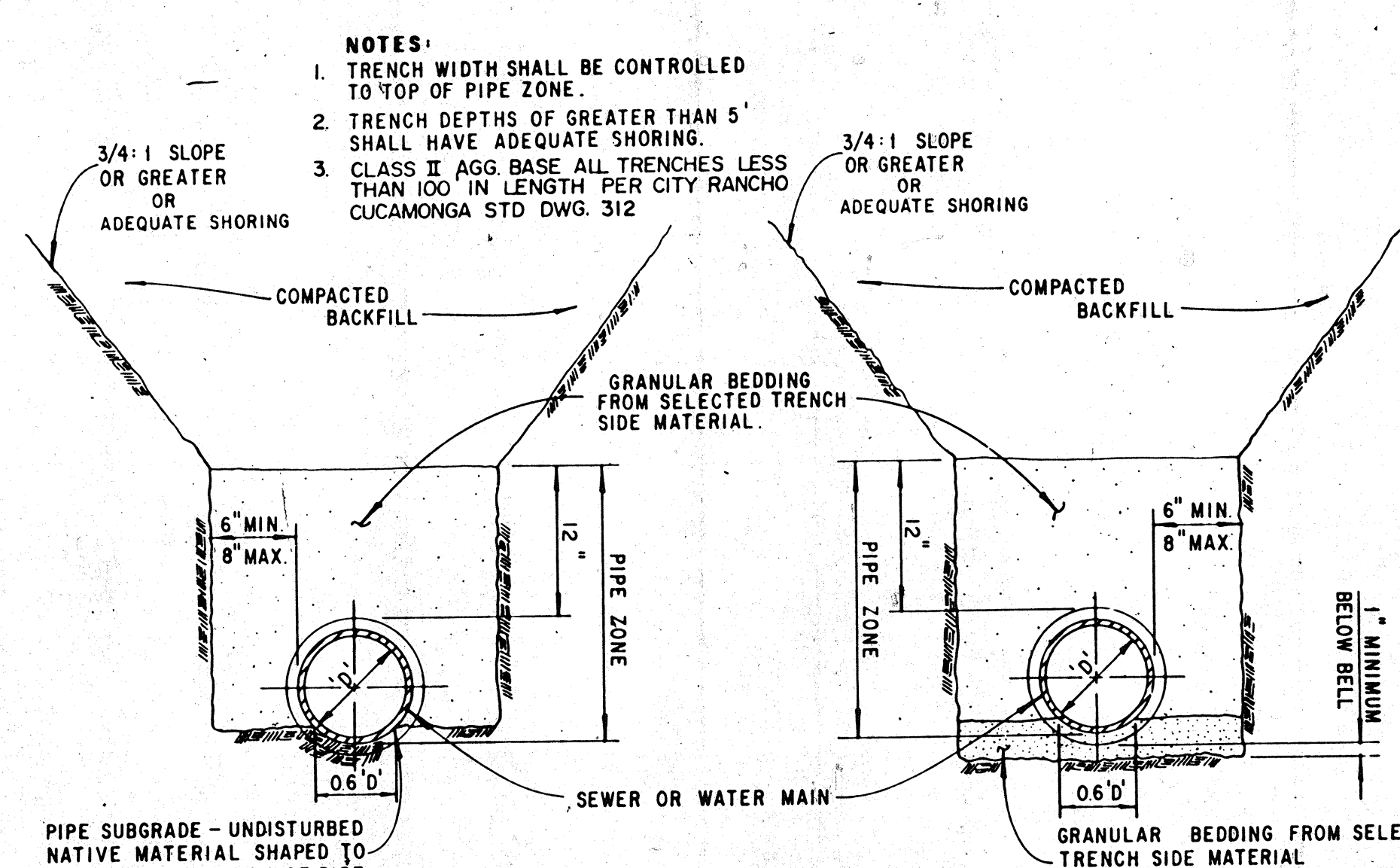


24' x 24' GRATE & FRAME

NOT TO SCALE



SECTION

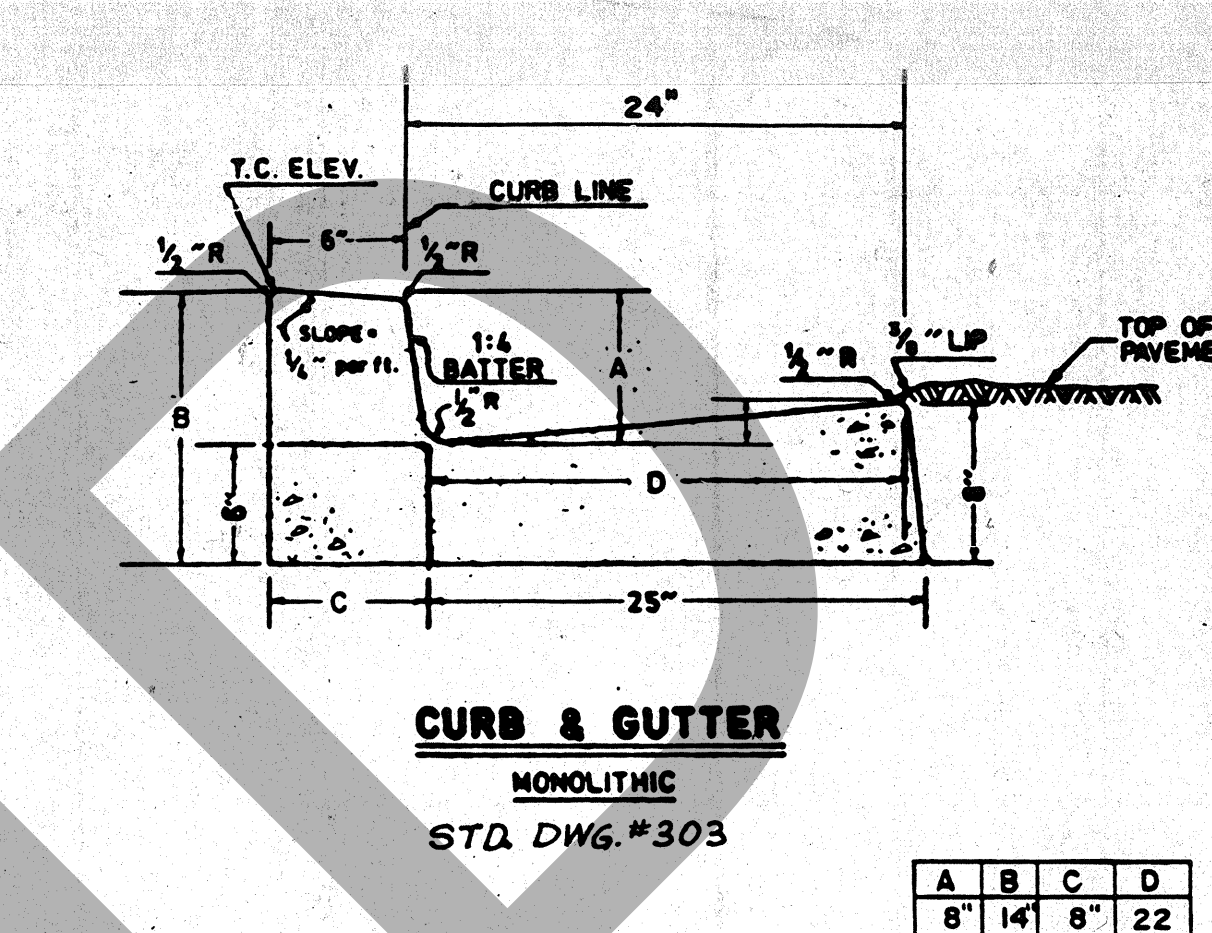


NOTES

- TRENCH WIDTH SHALL BE CONTROLLED TO TOP OF PIPE ZONE.
- TRENCH DEPTHS OF GREATER THAN 5' SHALL HAVE ADEQUATE SHORING.
- CLASS II AGG BASE ALL TRENCHES LESS THAN 100' IN LENGTH PER CITY RANCHO CUCAMONGA STD. DWG. 312.

NOTE: COMPACTION SHALL BE 90% IN ALL ZONES UNLESS OTHERWISE SPECIFIED. TRENCH STABILITY SHALL CONFORM TO CAL-OSHA REQUIREMENTS.

TYPICAL TRENCH SECTION



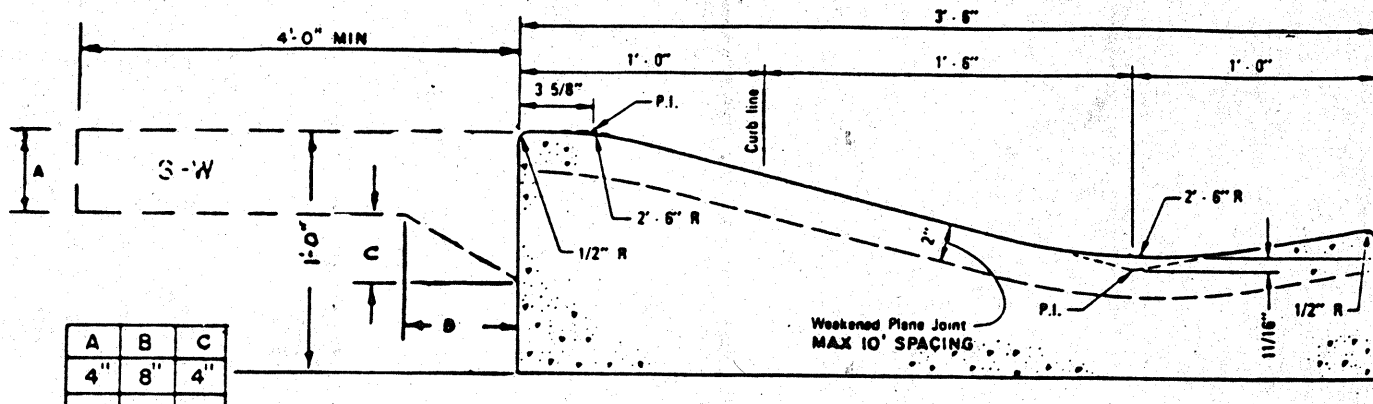
CURB & GUTTER

MONOLITHIC
STD. DWG. #303

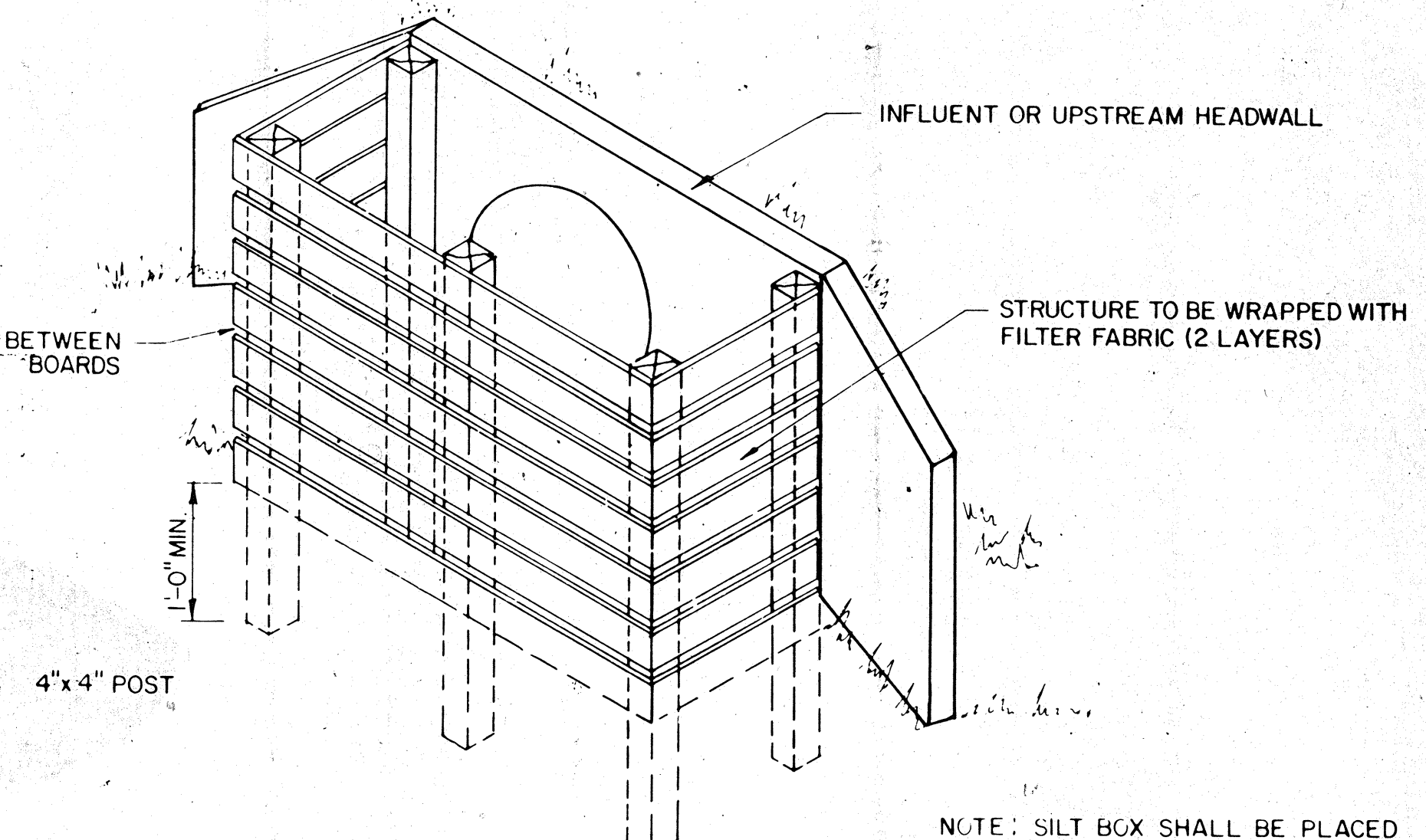
A	B	C	D
8"	14"	8"	22"

NOTES:

- Weakened plane joints shall be constructed not more than 10 feet apart.
- All curbs shall be constructed in accordance with the latest edition of the STD. SPECS. FOR PUBLIC WORKS CONST. unless otherwise indicated.
- Place 3/4" dowel pins at all expansion joints when flow line grade is less than 0.40%. Minimum of 4



ROLLED CURB



SILT BOX

NOT TO SCALE

NOTE: SILT BOX SHALL BE PLACED IN FRONT OF ALL UPSTREAM MANHOLE

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Revisions
No. Date Description
1/21/88 No Change, Legend for Construction

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FOR THE COUNTY OF SAN BERNARDINO, CALIFORNIA

HARRY MAYN, COUNTY ADMINISTRATION OFFICER

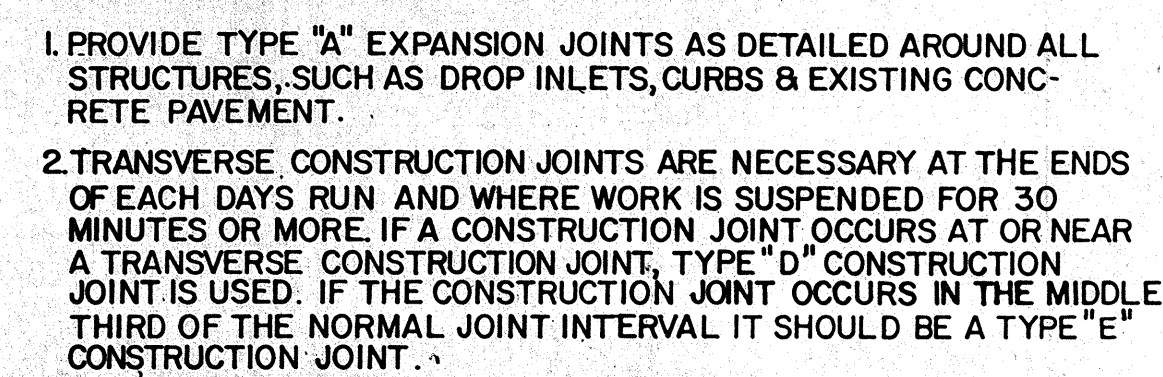
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BOARD OF SUPERVISORS
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REGISTERED PROFESSIONAL ENGINEER
P.L.M. 1000
CIVIL
STATE OF CALIFORNIA

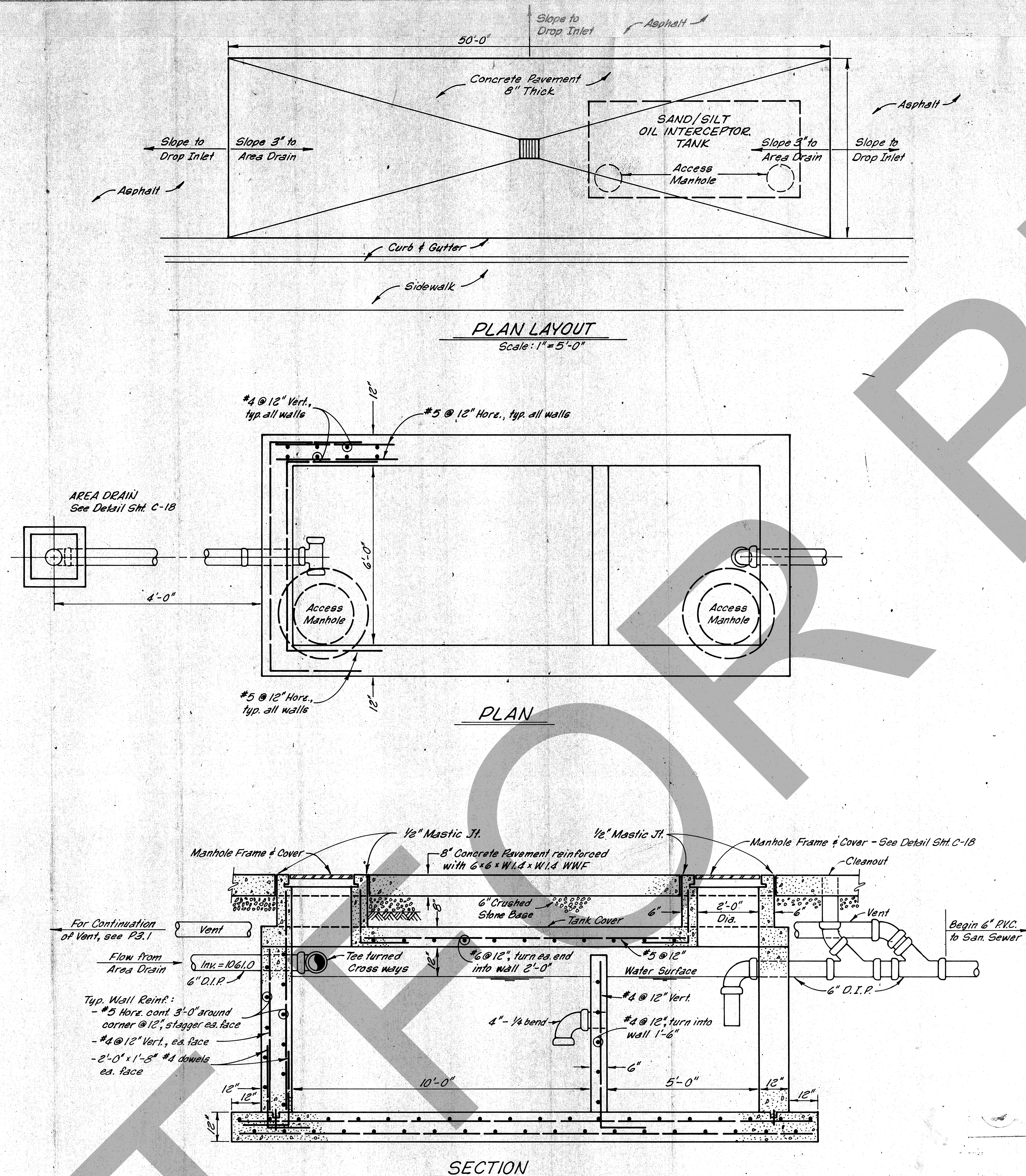
DETAILS

Job No. 88058-04
Date 10/17/88



CONSTRUCTION JOINT NOTES

CONCRETE EXPANSION & CONSTRUCTION JOINTS
NOT TO SCALE



SAND-SILT OIL INTERCEPTOR FOR VEHICLE WASH
SCALE: 1/2" = 1'-0"

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[illegible]

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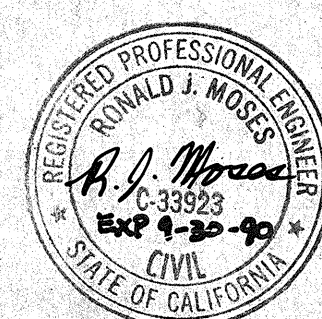
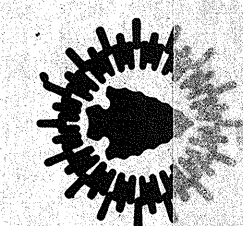
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Larry Wilson, Fourth District



DETAILS

Job No. 88058-04
Date 10/17/88

C-19

CADD No.