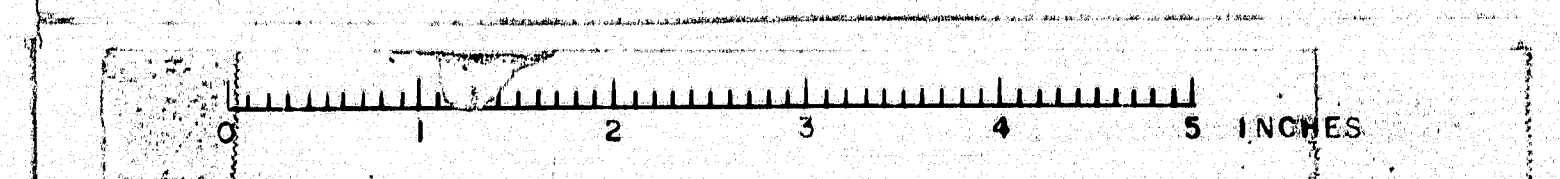


CLINTON A. CLAUSON MEMORIAL BRIDGES

CLINTON A. CLAUSON
GOVERNOR OF MAINE
1959

FULL SCALE
2 REQUIRED

| | |
|---|--------------------------------|
| DESIGN- BOYD TRACE- CHECK- MAR | BRIDGE NO. SURVEY- PLOT- |
| STATE HIGHWAY COMMISSION BRIDGE DIVISION | |
| CLINTON A. CLAUSON MEMORIAL BRIDGES | |
| OVER | |
| KENNEBEC RIVER | |
| BETWEEN THE TOWNS OF | |
| FAIRFIELD AND BENTON | |
| SOMERSET AND KENNEBEC COUNTIES | |
| MEMORIAL PLAQUE | |
| SHEET | OF AUGUSTA, MAINE |



STATE OF MAINE STATE HIGHWAY COMMISSION



INTERSTATE 95 OVER MAINE CENTRAL RAILROAD FAIRFIELD SOMERSET COUNTY

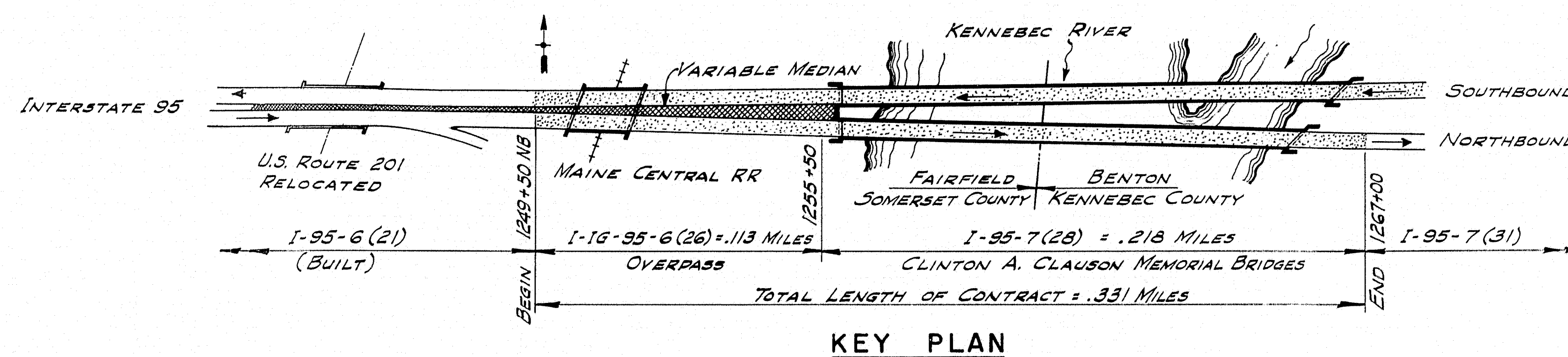
F. A. PROJECT NO. I-IG-95-6(26) 127
LENGTH .113 MILES
CONTRACT 1

CLINTON A. CLAUSON MEMORIAL BRIDGES BETWEEN FAIRFIELD AND BENTON SOMERSET AND KENNEBEC COUNTIES

F. A. PROJECT NO. I-95-7 (28) 127
LENGTH .218 MILES

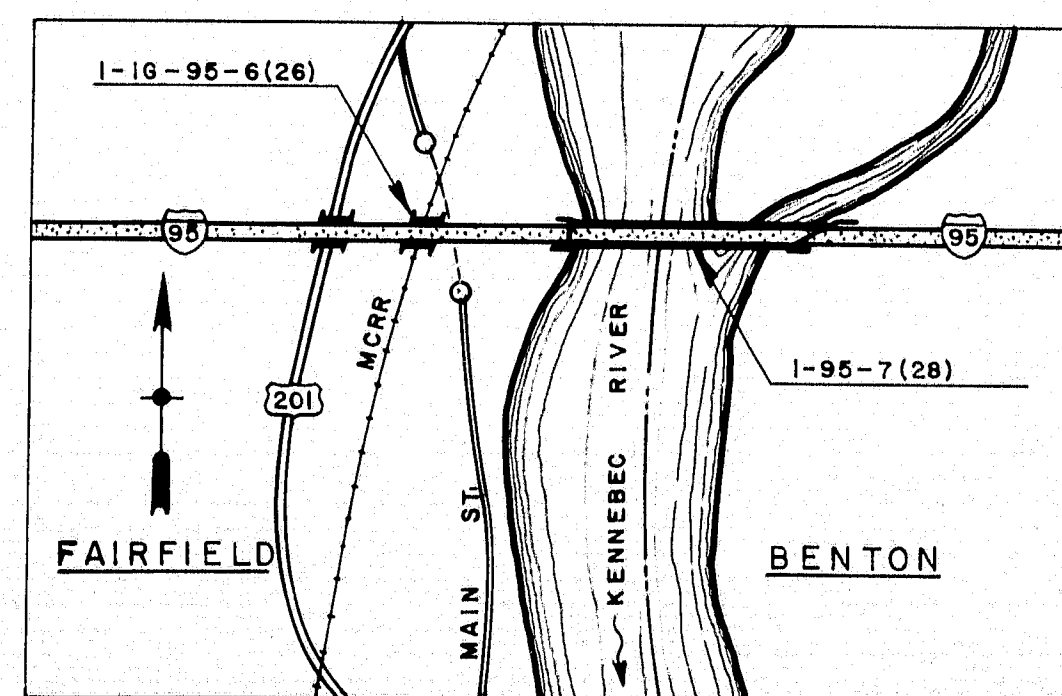
TOTAL LENGTH OF CONTRACT .331 MILES

| INDEX OF SHEETS | |
|-----------------|----------------------------------|
| 61 | GENERAL PLAN, ELEVATION & LAYOUT |
| 62 | FOUNDATION SURVEY |
| 63, 64 | BORING DETAILS |
| 65 | DITCH SECTIONS AT TRACK |
| 66 | ABUTMENT NO. 1 |
| 67 | ABUTMENT NO. 2 |
| 68 | PIERS |
| 69, 70, 71 | SUPERSTRUCTURE |
| 72 | REINFORCING STEEL SCHEDULE |
| 73, 74, 75 | STEEL DETAILS |
| 76 THRU 89 | CROSS SECTIONS |



INTERSTATE TRAFFIC

| | | |
|----------|------|--------|
| A. D. T. | 1962 | 6535 |
| A. D. T. | 1982 | 8880 |
| D. H. V. | | 1066 |
| T | | 11 % |
| D | | 60 % |
| V | | 60 MPH |



LOCATION MAP
APPROX. SCALE - 1" = 660'

APPROVED:
MAINE CENTRAL RAILROAD COMPANY

J. Wiggins
CHIEF ENGINEER
11-19-62
DATE

APPROVED:
MAINE STATE HIGHWAY COMMISSION

David A. Simons
CHAIRMAN
Raymond J. Harbush
St. Leon Williams
CHIEF ENGINEER
10/31/62
DATE

INDEX OF SHEETS

| | |
|------------|--|
| 1 | ESTIMATE OF QUANTITIES |
| 2, 3 | STANDARD DETAILS |
| 4 | TYPICAL SECTIONS |
| 5 THRU 8 | SURVEY |
| 9 THRU 12 | SURVEY PROFILE |
| 13 | CONTROL PROFILE - FINISH GRADES |
| 14, 15 | FINISH GRADES, PLAN OF WESTERLY APPROACH |
| 16 | GENERAL PLAN & ELEVATION |
| 17, 18 | BORING PLAN |
| 19, 20, 21 | BORING DETAILS |
| 22, 23 | TRANSVERSE SECTIONS, BORINGS |
| 24 | SUBSTRUCTURE LAYOUT |
| 25 | ABUTMENTS 1 & RETAINING WALL, NB & SB |
| 26 | ABUTMENTS 1 NB & SB |
| 27 | ABUTMENTS |
| 28 | ABUTMENT 2 NB & SB |
| 29 | PIER 1, NORTH BOUND |
| 30 | PIER 2, NORTH BOUND |
| 31 | PIER 3, NORTH BOUND |
| 32 | PIER 4, NORTH BOUND |
| 33 | PIER 5, NORTH BOUND |
| 34 | PIER 6, NORTH BOUND |
| 35 | PIER 1, SOUTH BOUND |
| 36 | PIER 2, SOUTH BOUND |
| 37 | PIER 3, SOUTH BOUND |
| 38 | PIER 4, SOUTH BOUND |
| 39 | PIER 5, SOUTH BOUND |
| 40 | PIERS 6 & 7 SOUTH BOUND |
| 41 THRU 45 | STEEL DETAILS SPANS 1-5 NB & SB |
| 46 THRU 50 | STEEL DETAILS SPANS 6 & 7 NB - 6, 7 & 8 SB |
| 51 | EXPANSION DAM & ARMORED JOINT |
| 52 | ARMORED JOINTS |
| 53 | BLOCKING & DRAINS |
| 54 THRU 57 | SUPERSTRUCTURE SLAB |
| 58 | RAIL & GRANITE CURB DETAILS |
| 58 A | STEEL RAIL |
| 59 | REINFORCING STEEL ABUTMENTS & SUPERSTRUCTURE |
| 60 | REINFORCING STEEL, PIERS & RAIL PARAPET |
| 90, 91, 92 | CROSS SECTIONS |

DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS

REGION 1

APPROVED:

DIVISION ENGINEER DATE

0 1 2 3 4 5 INCHES

ESTIMATE OF QUANTITIES

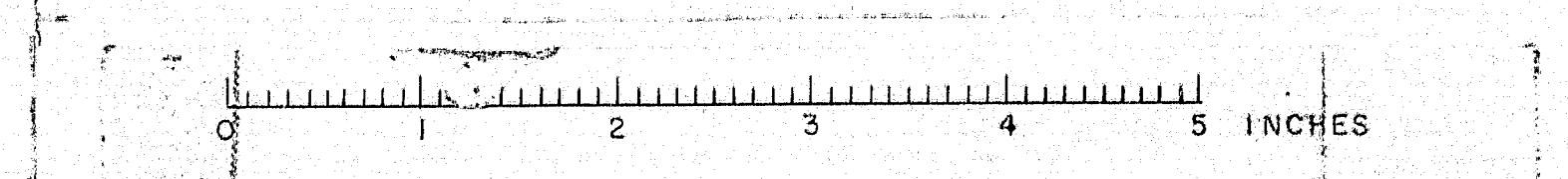
| B. P. R. REG. NO. | STATE | PROJECT NUMBER | SHEET NO. | TOTAL SHEETS |
|----------------------|-------|----------------|--------------|-----------------|
| 1 | MAINE | 1-95-7 (28) | 1 | 92 |

| ITEM DESCRIPTION | INTERSTATE 95 OVER MCRR (OVERPASS) | | C.A. CLAUSON MEMORIAL BRIDGES (BRIDGE) | | TOTAL QUANTITIES |
|---|---------------------------------------|-----------|---|-----------|---------------------|
| | APPROACH | STRUCTURE | APPROACH | STRUCTURE | |
| CLEARING | 2 | | 0.5 | | 2.5 ACRES |
| SELECTIVE CLEARING AND THINNING | 1 | | 0.1 | | 1.1 ACRES |
| STRUCTURAL EARTH EXCAVATION, DRAINAGE | 200 | | 100 | 400 | 700 CU.YDS. |
| STRUCTURAL EARTH EXCAVATION, PIERS (OVERPASS) | | 80 | | | 80 CU.YDS. |
| STRUCTURAL EARTH EXCAVATION, PIERS (BRIDGE) | | | | 4000 | 4000 CU.YDS. |
| STRUCTURAL ROCK EXCAVATION, PIERS | | | | 50 | 50 CU.YDS. |
| COMMON BORROW | 75,000 | | | | 75,000 CU.YDS. |
| GRANULAR BORROW | 1600 | 13,400 | 20,500 | 4,200 | 39,700 CU.YDS. |
| GRAVEL BASE COURSE - IN PLACE MEASUREMENT | 2400 | | 1050 | | 3450 CU.YDS. |
| 15 INCH ASPHALT COATED CORRUGATED METAL PIPE | 138 | | 100 | | 238 LIN. FT. |
| 15 INCH X 6-FOOT ASPHALT COATED CORRUGATED METAL BENDS | 4 | | 2 | | 6 EACH |
| 15 INCH X 2-FOOT ASPHALT COATED CORRUGATED METAL CONNECTING BANDS | 12 | | 7 | | 19 EACH |
| 15 INCH REINFORCED CONCRETE PIPE - CLASS III | 72 | | 34 | | 106 LIN. FT. |
| CATCH BASINS - TYPE I | 2 | | 2 | | 4 EACH |
| PORTLAND CEMENT CONCRETE ABUTMENTS & RETAINING WALLS (OVERPASS) | | 245 | | | 245 CU. YDS. |
| PORTLAND CEMENT CONCRETE ABUTMENTS & RETAINING WALLS (BRIDGE) | | | | 590 | 590 CU. YDS. |
| PORTLAND CEMENT CONCRETE PIERS (OVERPASS) | | 300 | | | 300 CU. YDS. |
| PORTLAND CEMENT CONCRETE PIERS (BRIDGE) | | | | 5300 | 5300 CU. YDS. |
| PORTLAND CEMENT CONCRETE PIERS - PLACED UNDER WATER | | | | 3450 | 3450 CU. YDS. |
| PORTLAND CEMENT CONCRETE ROADWAY & SIDEWALK SLABS ON STEEL BRIDGES (OVERPASS) | | 360 | | | 360 CU. YDS. |
| PORTLAND CEMENT CONCRETE ROADWAY & SIDEWALK SLABS ON STEEL BRIDGES (BRIDGE) | | | | 2370 | 2370 CU. YDS. |
| PORTLAND CEMENT | | 1440 | | 17,060 | 18,500 BBL S. |
| PORTLAND CEMENT CONCRETE APPROACH SLABS | | 55 | | 45 | 100 CU. YDS. |
| STRUCTURAL STEEL, FABRICATED & DELIVERED (OVERPASS) | | LUMP SUM | | | LUMP SUM |
| STRUCTURAL STEEL, FABRICATED & DELIVERED (BRIDGE) | | | | LUMP SUM | LUMP SUM |
| STRUCTURAL STEEL, ERECTION (OVERPASS) | | LUMP SUM | | | LUMP SUM |
| STRUCTURAL STEEL, ERECTION (BRIDGE) | | | | LUMP SUM | LUMP SUM |
| STRUCTURAL STEEL, FIELD PAINTING (OVERPASS) | | LUMP SUM | | | LUMP SUM |
| STEEL RAIL, ALTERNATE "B" | | 240 | | 4,085 | 4,325 LIN. FT. |
| REINFORCING STEEL, DELIVERED | | 119,700 | | 778,600 | 898,300 LBS. |
| REINFORCING STEEL, PLACING | | 119,700 | | 778,600 | 898,300 LBS. |
| SHEAR CONNECTORS | | | | LUMP SUM | LUMP SUM |
| STEEL H-BEAM PILES 42 LBS. PER FOOT | | 4295 | | | 4295 LIN. FT. |
| STEEL H-BEAM PILES 53 LBS. PER FOOT | | | | 3300 | 3300 LIN. FT. |
| STEEL H-BEAM PILES 89 LBS. PER FOOT | | | | 6000 | 6000 LIN. FT. |
| COFFERDAMS PIER 1 NORTHBOUND (BRIDGE) | | | | LUMP SUM | LUMP SUM |
| COFFERDAMS PIER 2 NORTHBOUND (BRIDGE) | | | | LUMP SUM | LUMP SUM |
| COFFERDAMS PIER 3 NORTHBOUND (BRIDGE) | | | | LUMP SUM | LUMP SUM |
| COFFERDAMS PIER 4 NORTHBOUND (BRIDGE) | | | | LUMP SUM | LUMP SUM |
| COFFERDAMS PIER 5 NORTHBOUND (BRIDGE) | | | | LUMP SUM | LUMP SUM |
| COFFERDAMS PIER 6 NORTHBOUND (BRIDGE) | | | | LUMP SUM | LUMP SUM |
| COFFERDAMS PIER 1 SOUTHBOUND (BRIDGE) | | | | LUMP SUM | LUMP SUM |
| COFFERDAMS PIER 2 SOUTHBOUND (BRIDGE) | | | | LUMP SUM | LUMP SUM |
| COFFERDAMS PIER 3 SOUTHBOUND (BRIDGE) | | | | LUMP SUM | LUMP SUM |
| COFFERDAMS PIER 4 SOUTHBOUND (BRIDGE) | | | | LUMP SUM | LUMP SUM |
| COFFERDAMS PIER 5 SOUTHBOUND (BRIDGE) | | | | LUMP SUM | LUMP SUM |
| COFFERDAMS PIER 6 SOUTHBOUND (BRIDGE) | | | | LUMP SUM | LUMP SUM |
| COFFERDAMS PIER 7 SOUTHBOUND (BRIDGE) | | | | LUMP SUM | LUMP SUM |
| ALUMINUM RAIL, ALTERNATE "A" | | 240 | | 4085 | 4325 LIN. FT. |
| EPOXY RESIN SURFACE SEALANT | | 110 | | 1425 | 1535 SQ. YDS. |
| GRANITE BRIDGE CURB | | 263 | | 4085 | 4348 LIN. FT. |
| SLOPED GRANITE BRIDGE CURB | | 258 | | | 258 LIN. FT. |
| STONE FILL | | | | 2100 | 2100 CU. YDS. |
| HAND LAID RIPRAP | 185 | | 30 | 650 | 865 CU. YDS. |
| CRANE LAID RIPRAP FACE | | | | 1050 | 1050 SQ. YDS. |
| STONE BLANKET | | | | 320 | 320 CU. YDS. |
| LOAM BORROW | 640 | | 310 | | 950 CU. YDS. |
| SEEDING METHOD NO. 2 | 69 | | 31 | | 100 UNITS |
| HAY MULCH | 3 | | 1.5 | | 4.5 TONS |
| ASPHALT MULCH BINDER | 330 | | 150 | | 480 GALS. |
| BITUMINOUS TREATED STONE SLOPE PROTECTION | | 1165 | | | 1165 SQ. YDS. |
| RIGHT-OF-WAY MONUMENTS | 4 | | | | 4 EACH |
| STRUCTURAL STEEL, FIELD PAINTING (BRIDGE) | | | | LUMP SUM | LUMP SUM |

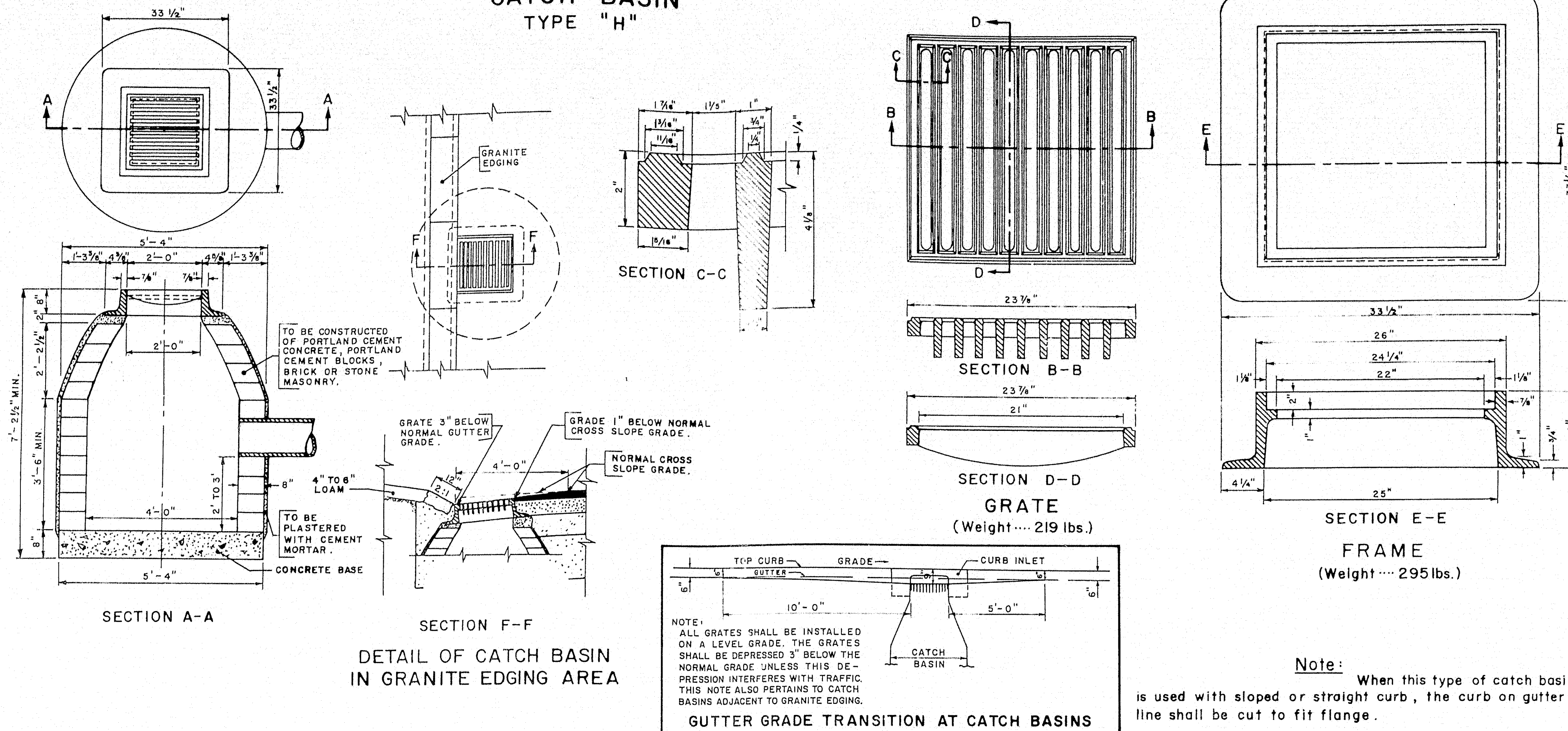
NOTE: Estimated quantity of Structural Steel in overpass including pipe drains and Self Lubricating Bronze Plates = 202,300 lbs.

Estimated quantity of Structural Steel in bridge including pipe drains = 2,125,000 lbs.

| | |
|---|------------|
| DESIGN - G.W.C. | BRIDGE NO. |
| TRACE - | SURVEY - |
| CHECK - A.M.K.T. | PLOT - |
| STATE HIGHWAY COMMISSION BRIDGE DIVISION | |
| CLINTON A. CLAUSON MEMORIAL BRIDGES | |
| OVER | |
| KENNEBEC RIVER | |
| BETWEEN THE TOWNS OF | |
| FAIRFIELD AND BENTON | |
| SOMERSET AND KENNEBEC COUNTIES | |
| ESTIMATE OF QUANTITIES | |
| SHEET 1 OF 92 AUGUSTA, MAINE Nov. 1962 | |

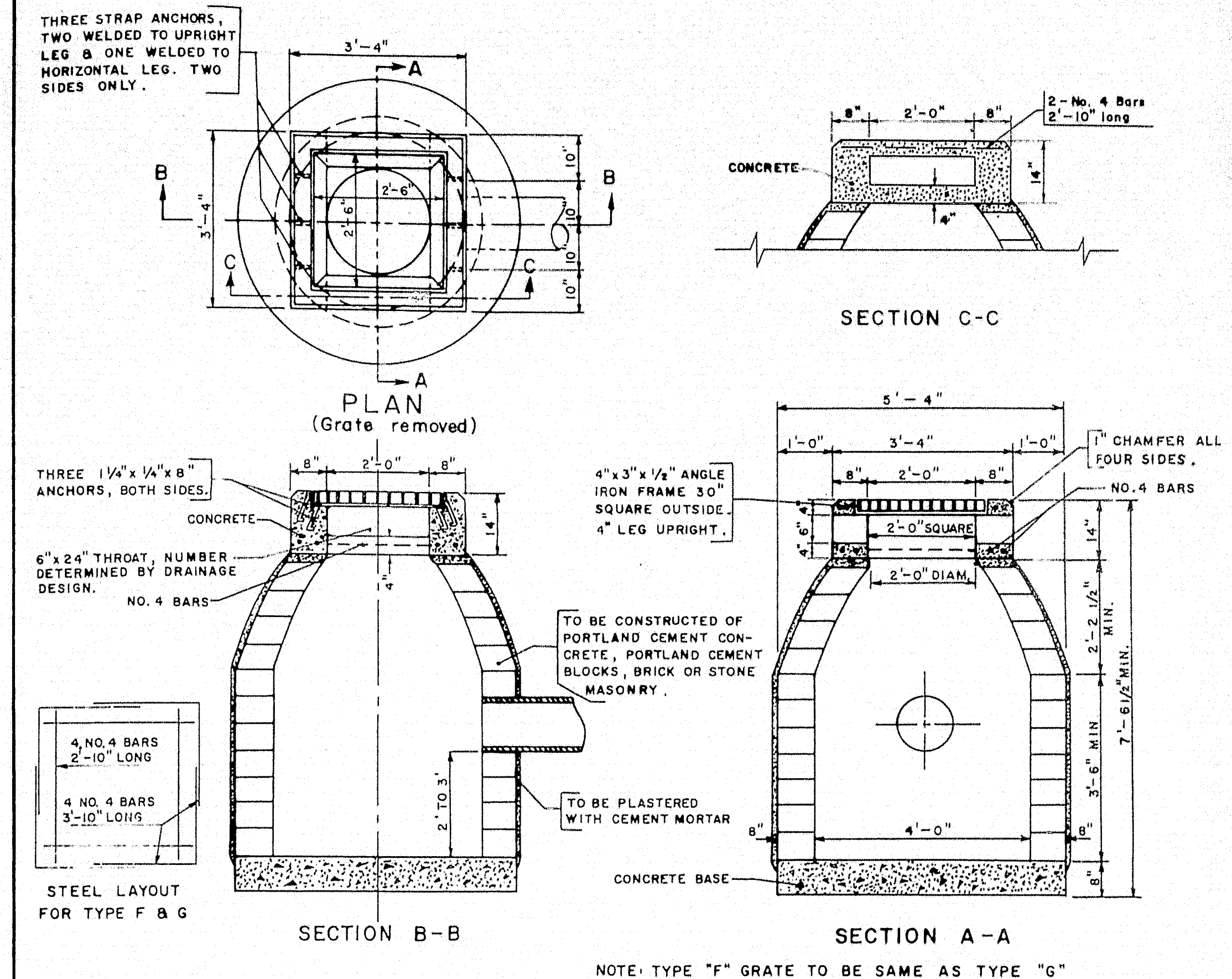


CATCH BASIN TYPE "H"



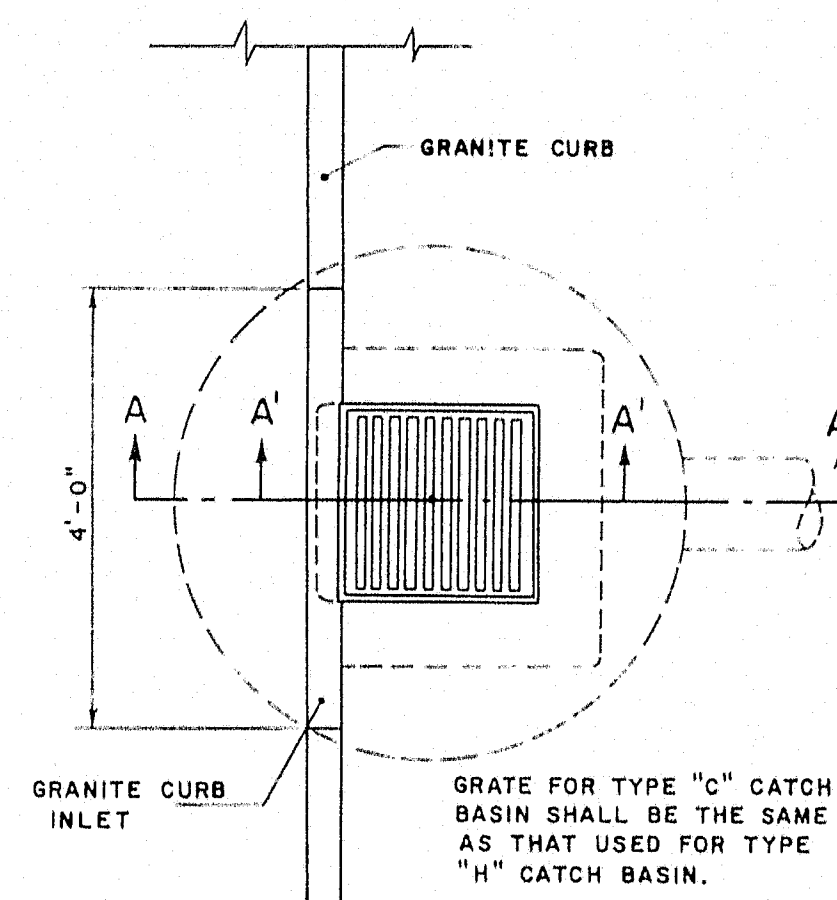
CATCH BASIN TYPE "F"

| B. P. R. REGION NO. | STATE | FEDERAL AID PROJECT NO. | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|-------------------------|-----------|--------------|
| 1 | MAINE | I-95-7(28) | 2 | 92 |

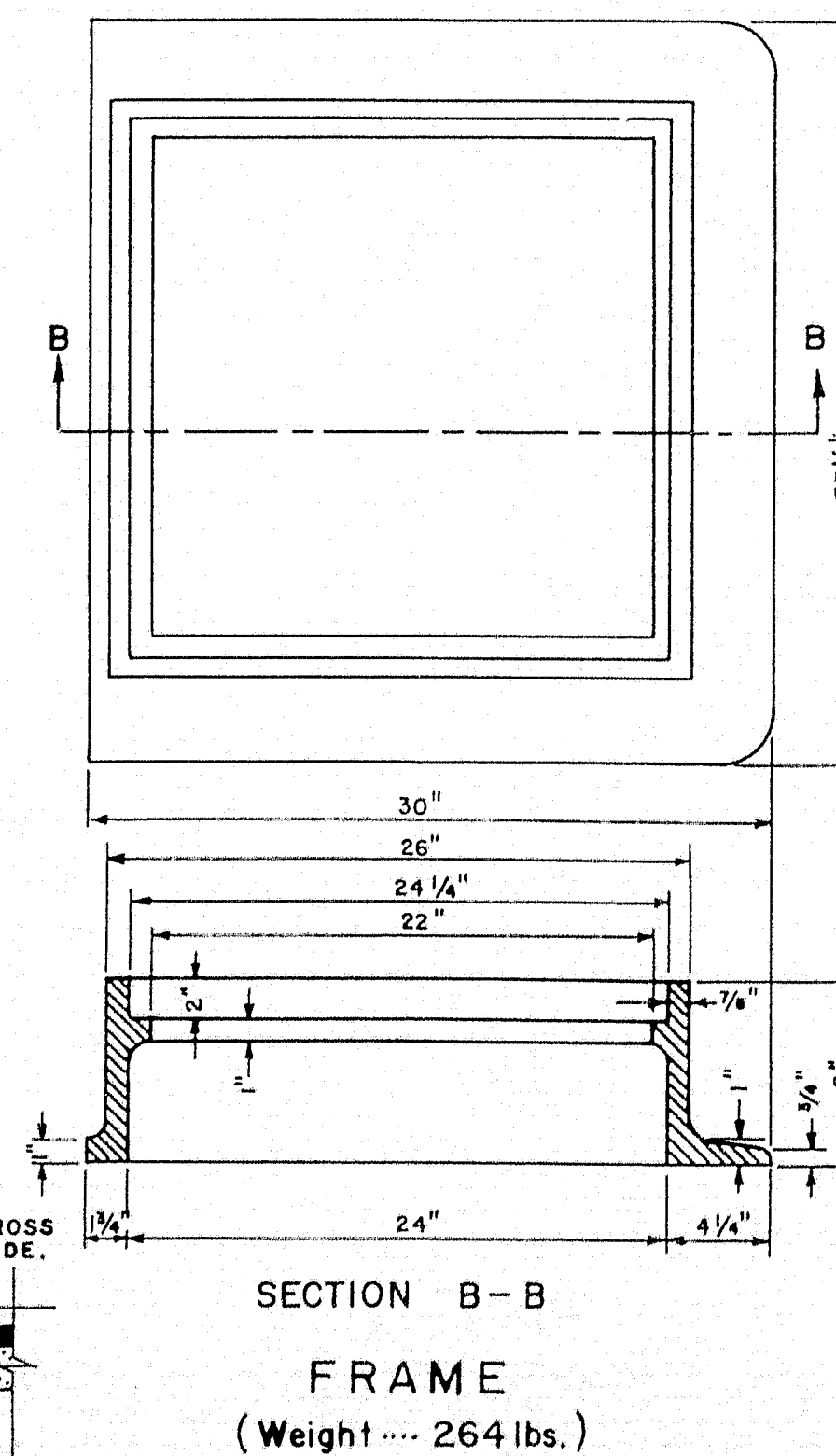
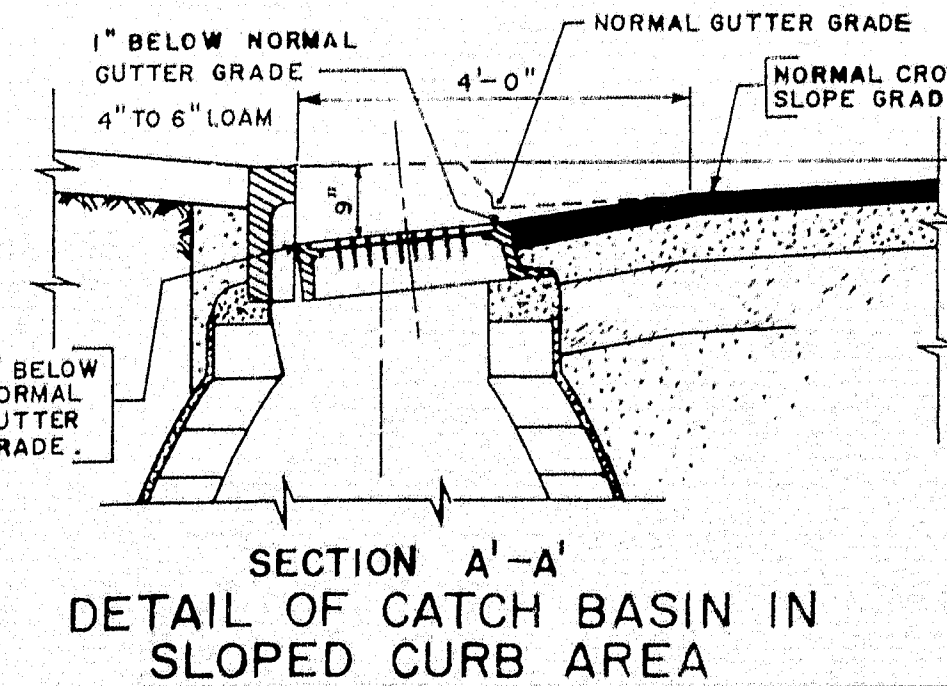
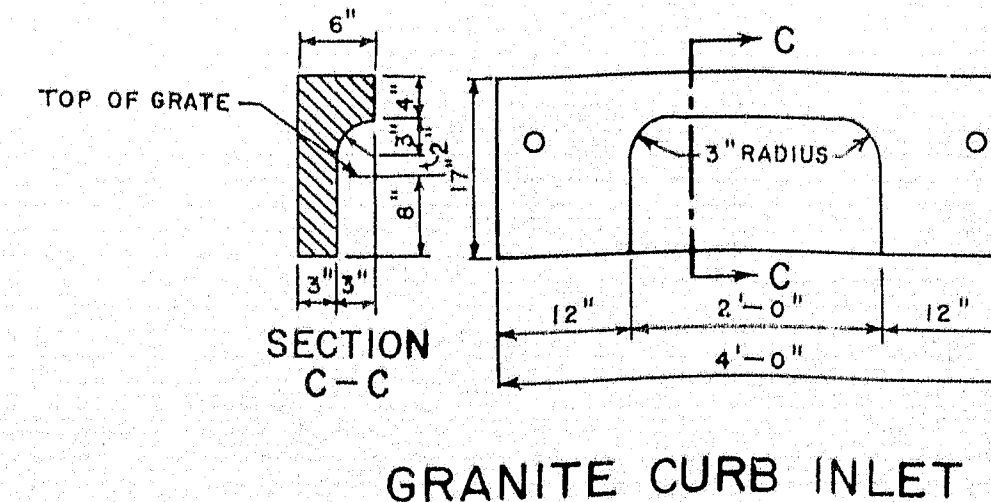
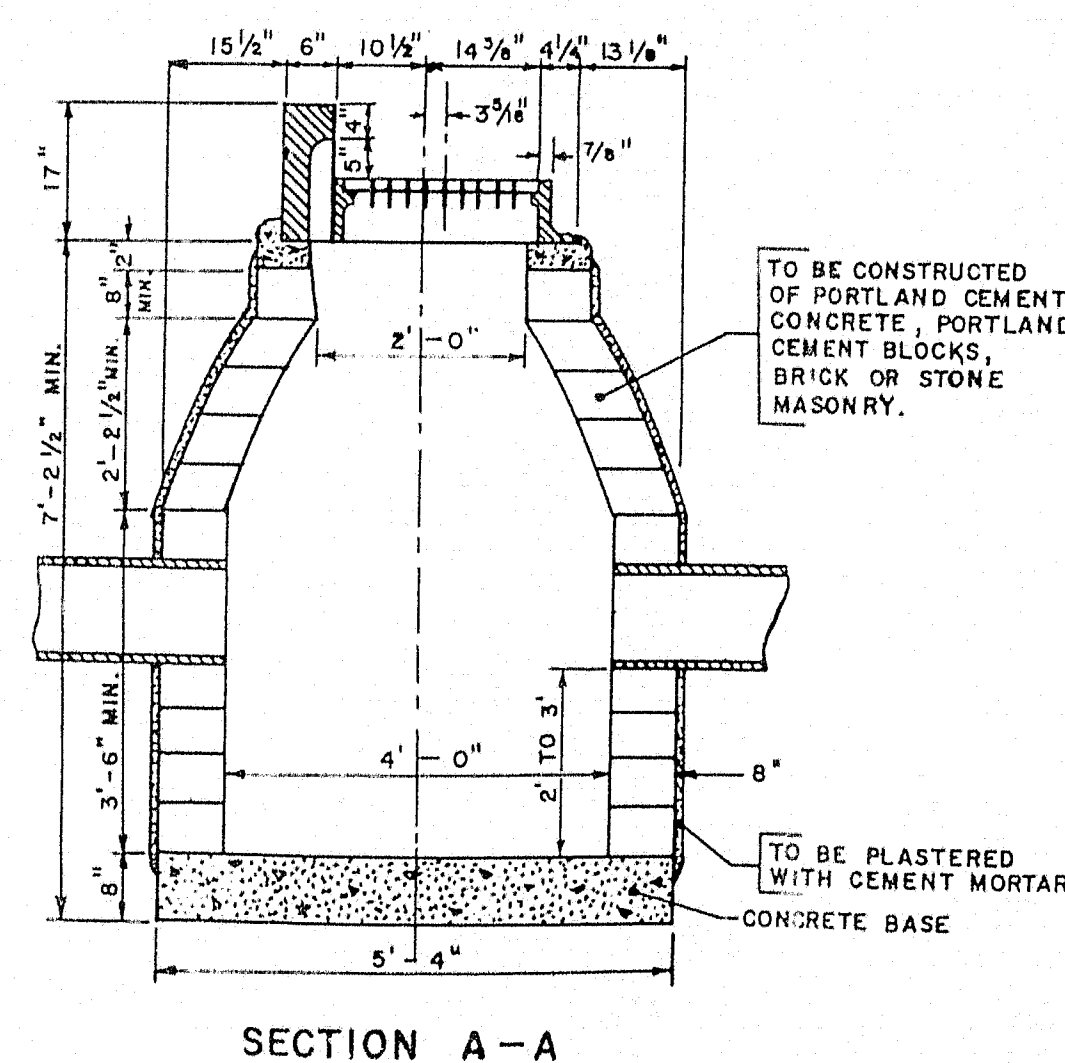
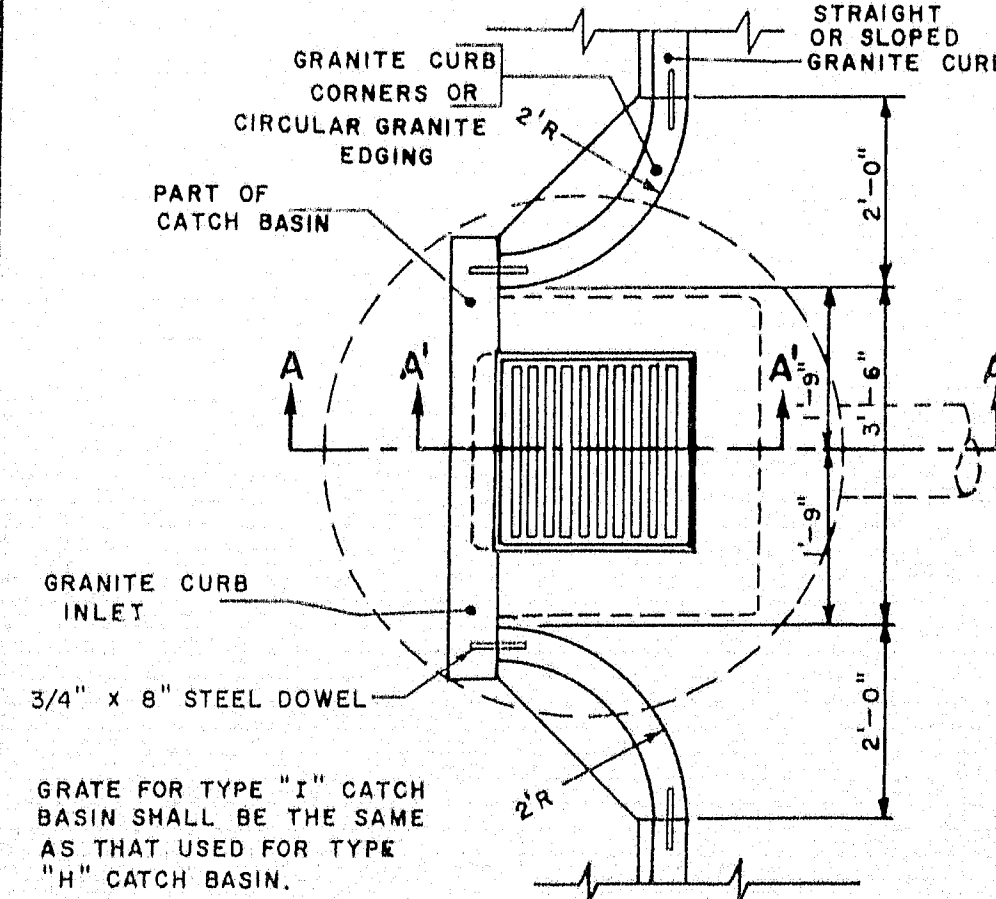


CATCH BASIN TYPE "C" AND "I"

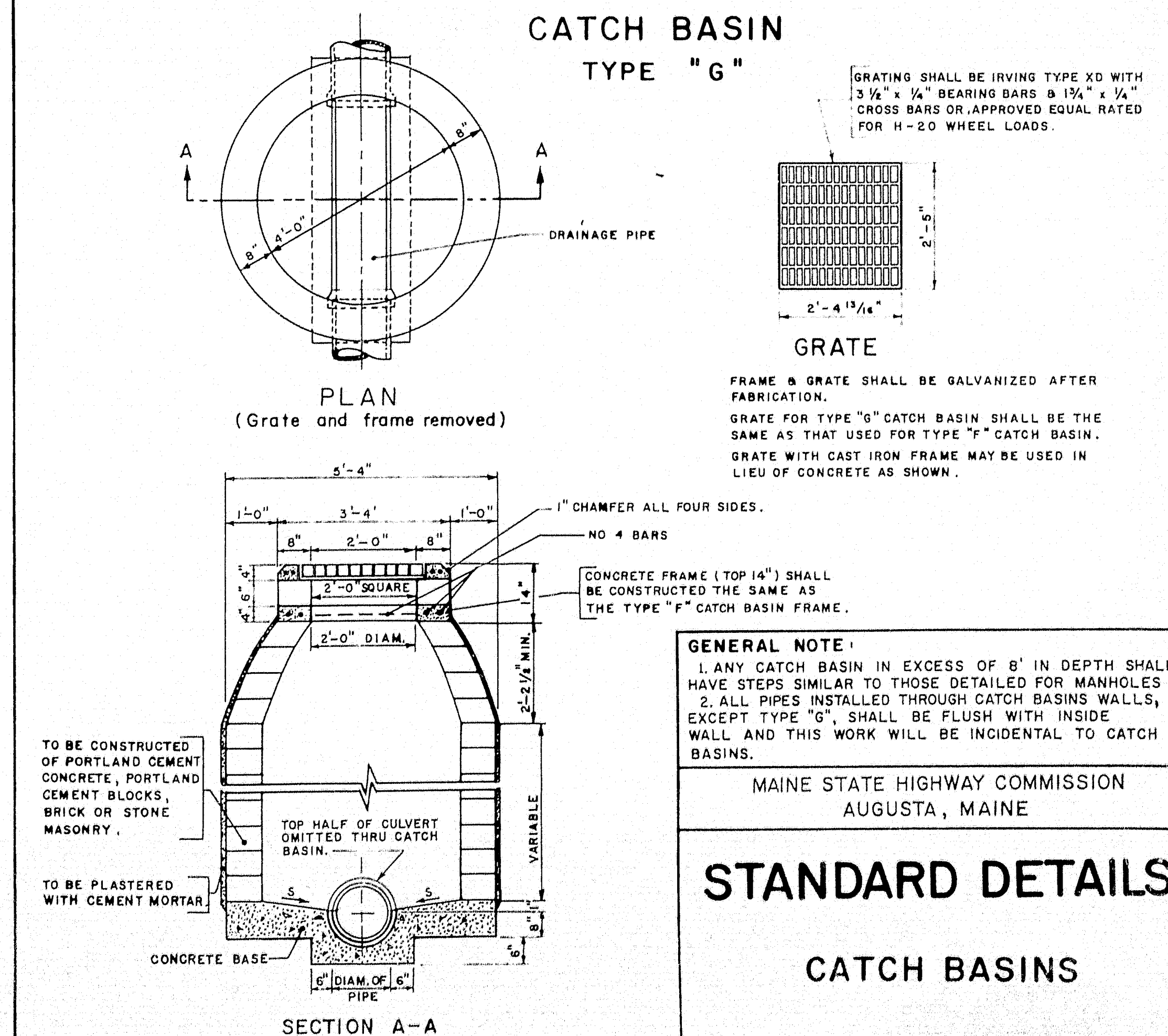
TYPE "C" CURB DETAIL



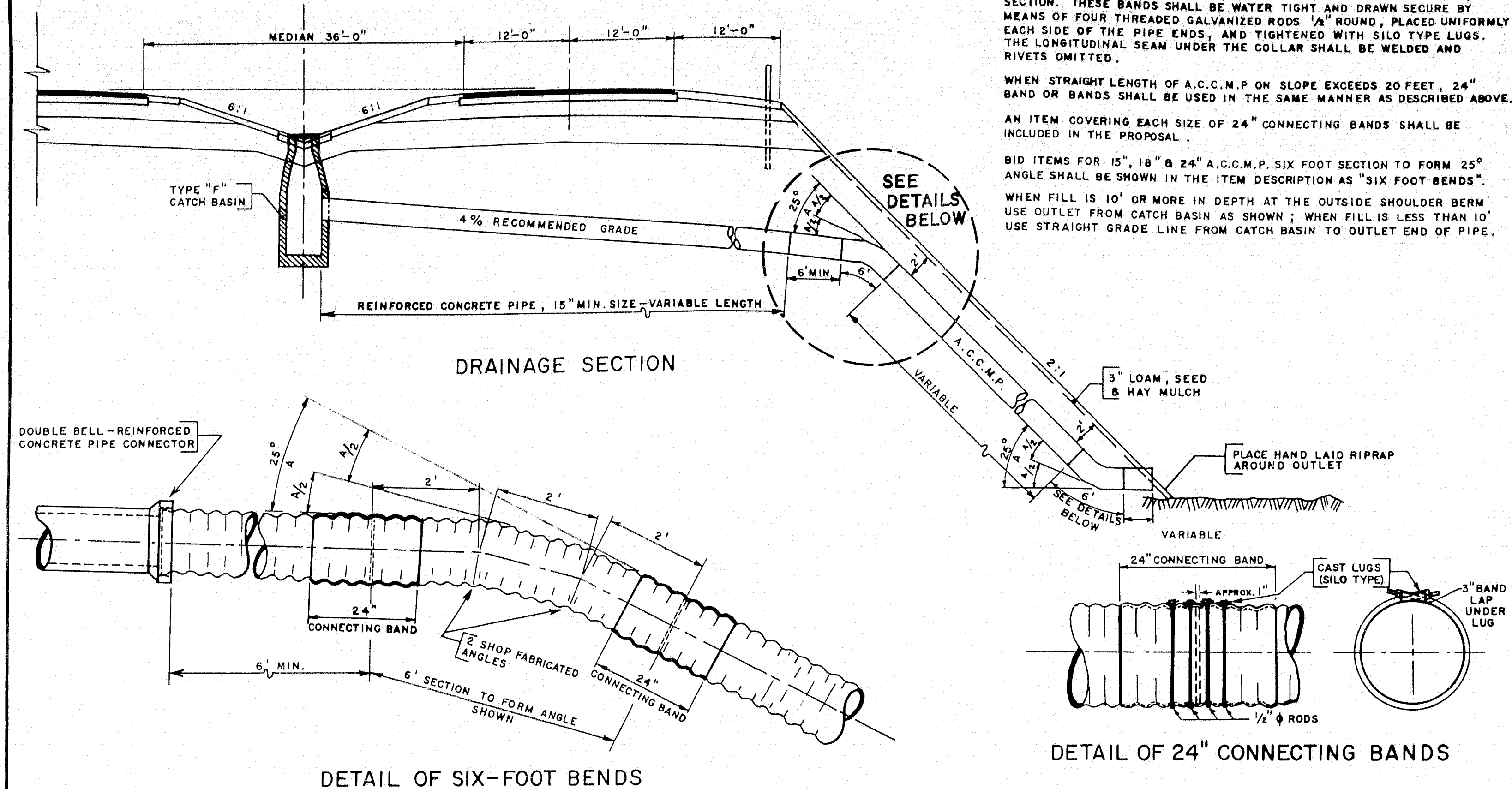
TYPE "I" CURB DETAIL



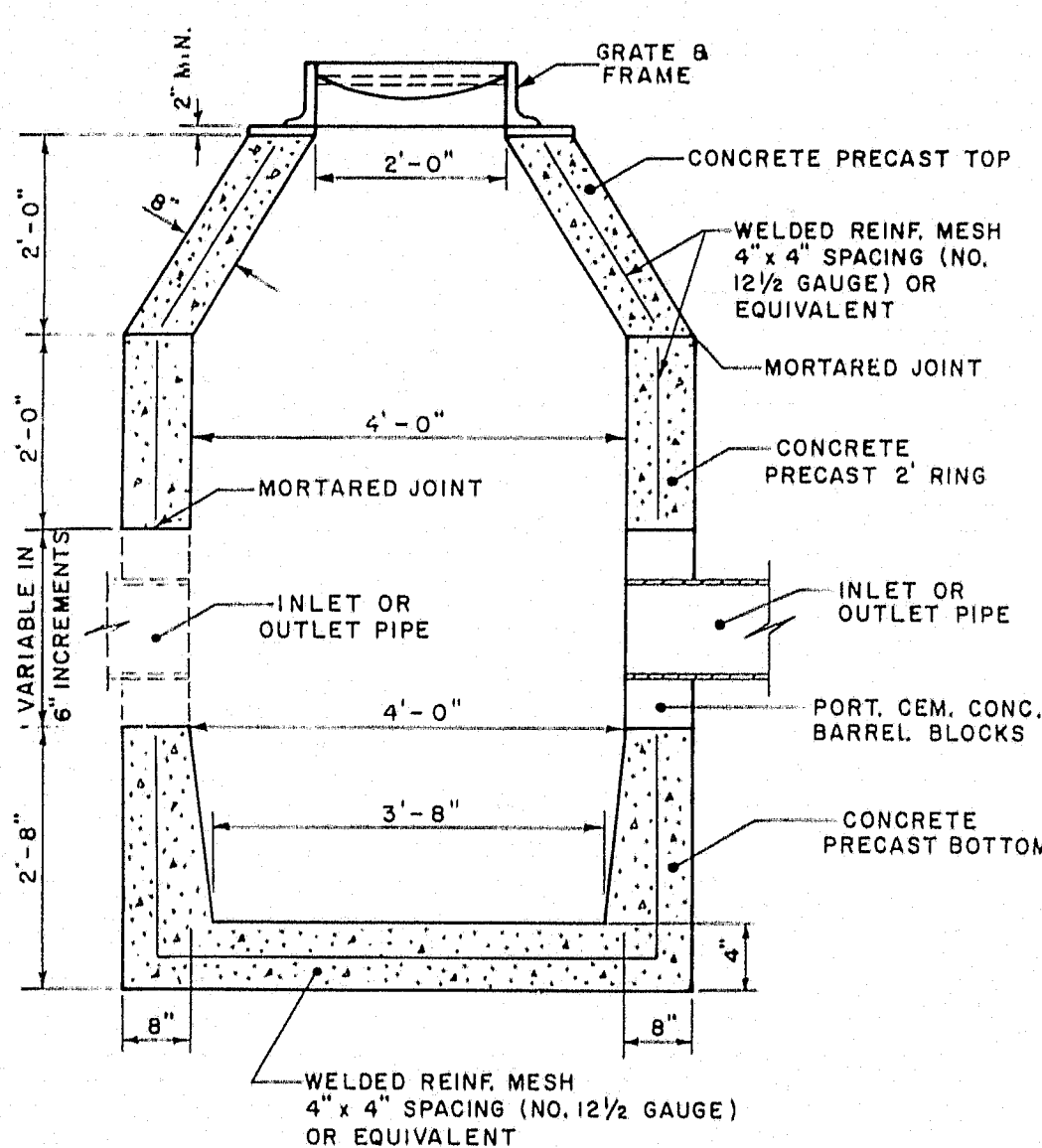
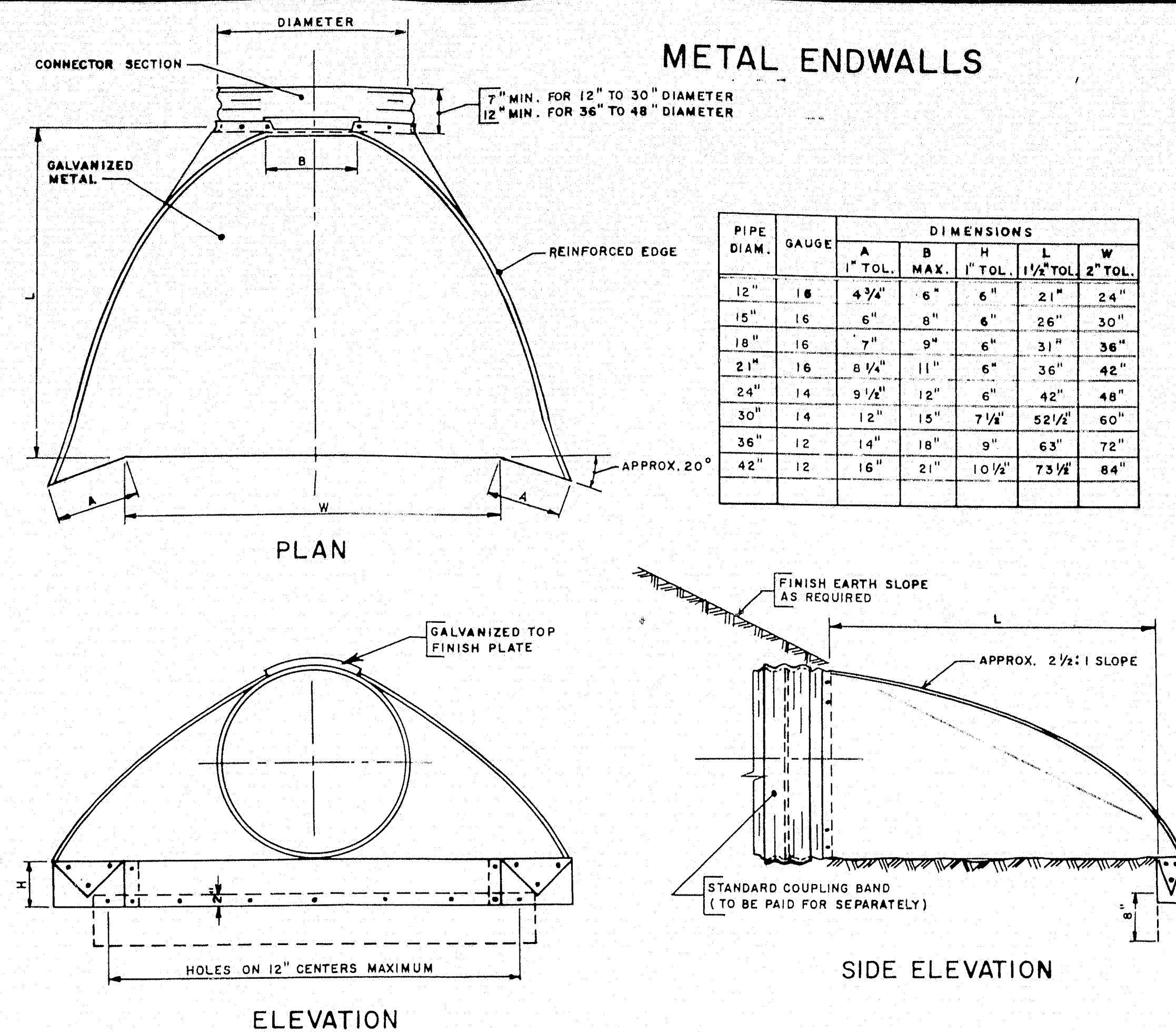
CATCH BASIN TYPE "G"



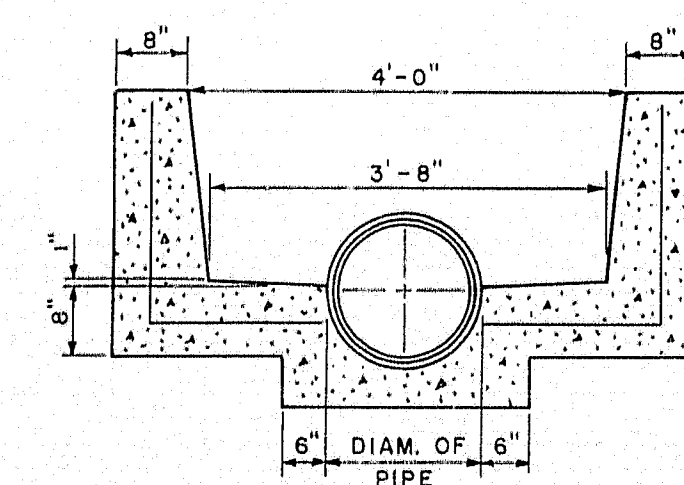
BENDS AND BANDS for A.C.C.M.P. MEDIAN DRAINAGE



METAL ENDWALLS

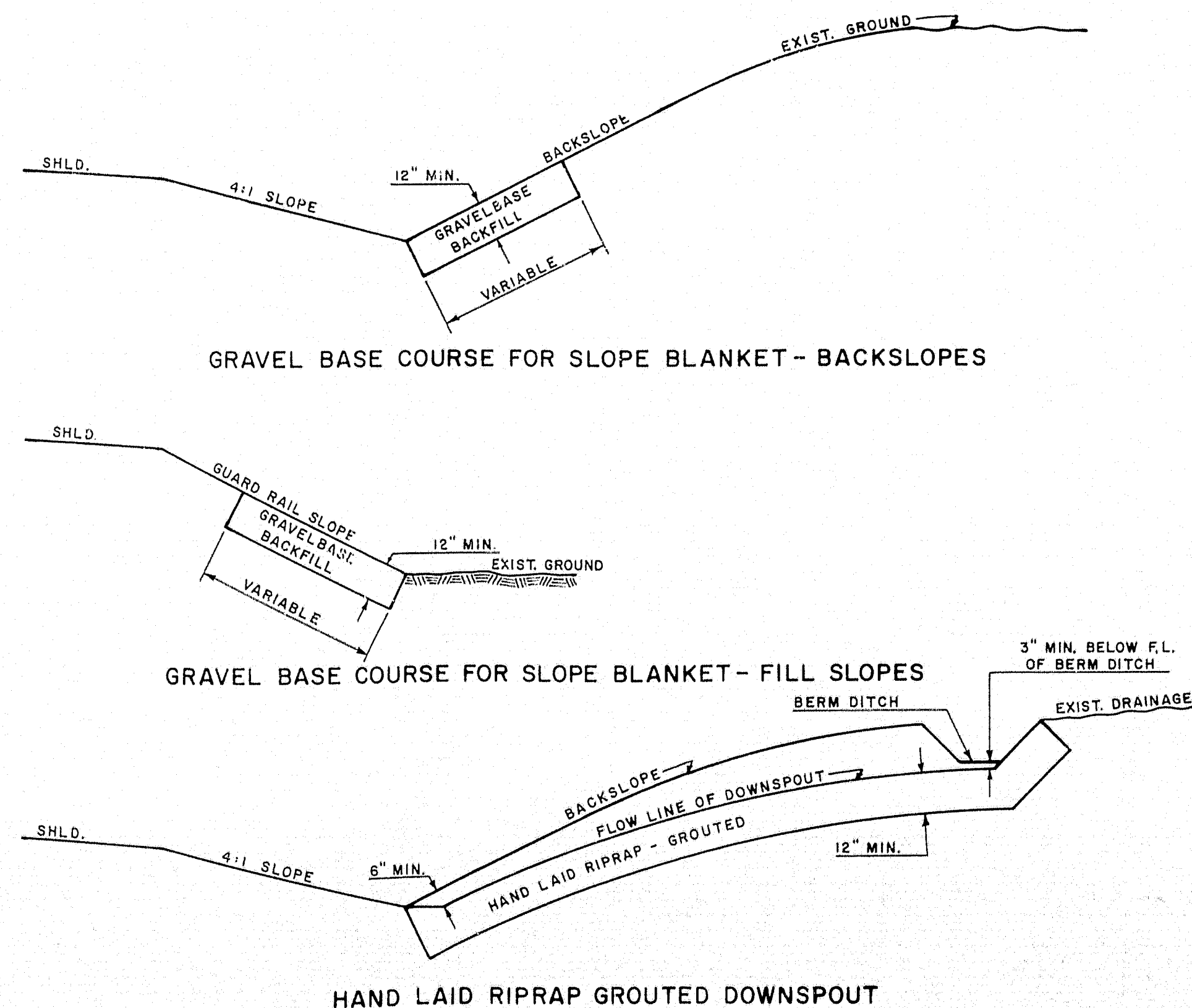


PRECAST PORTLAND CEMENT CONCRETE CATCH BASINS TYPES C, F, H & I - MANHOLE TYPE B

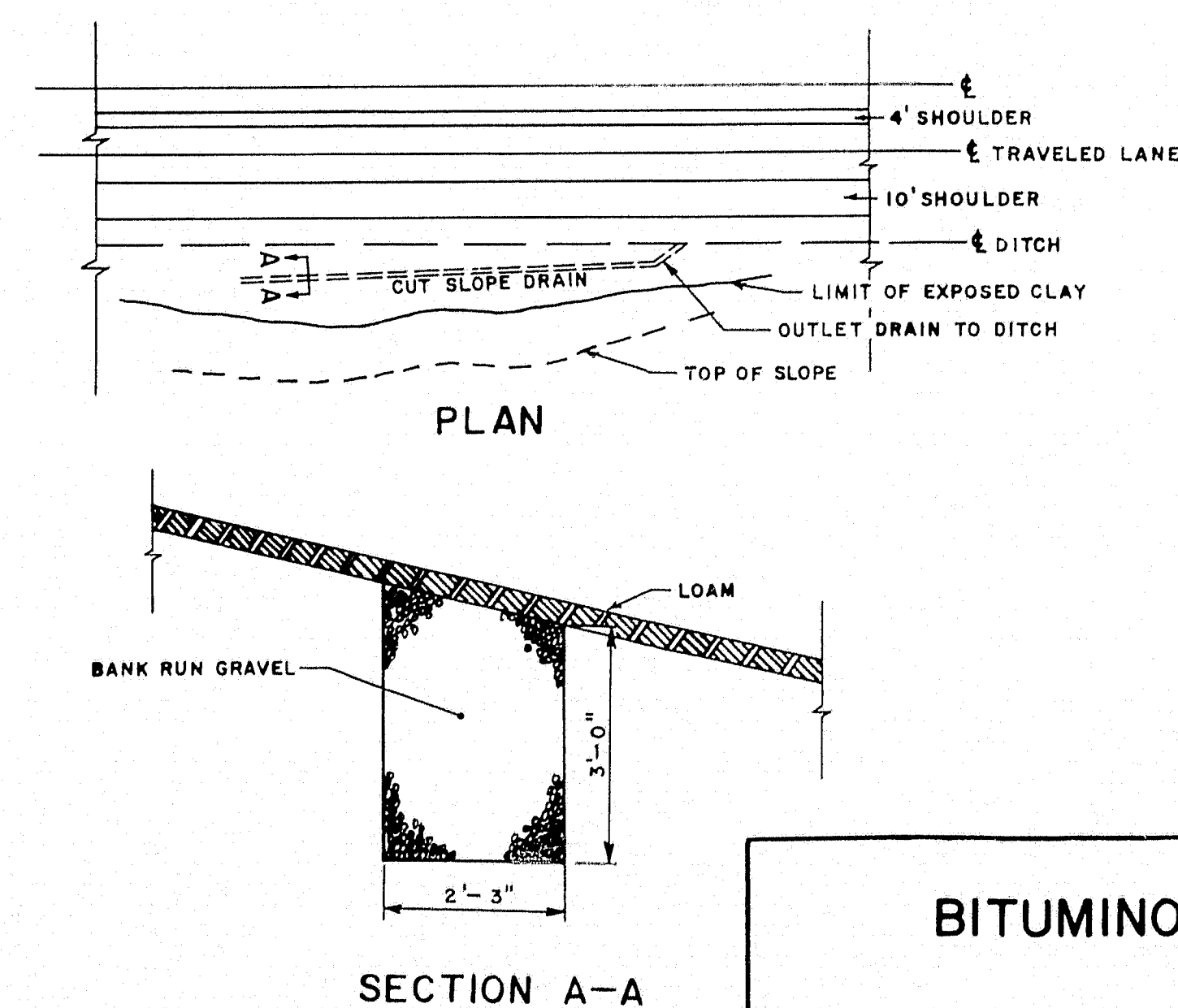


PRECAST PORTLAND CEMENT CONCRETE CATCH BASIN TYPE G MANHOLE TYPE A

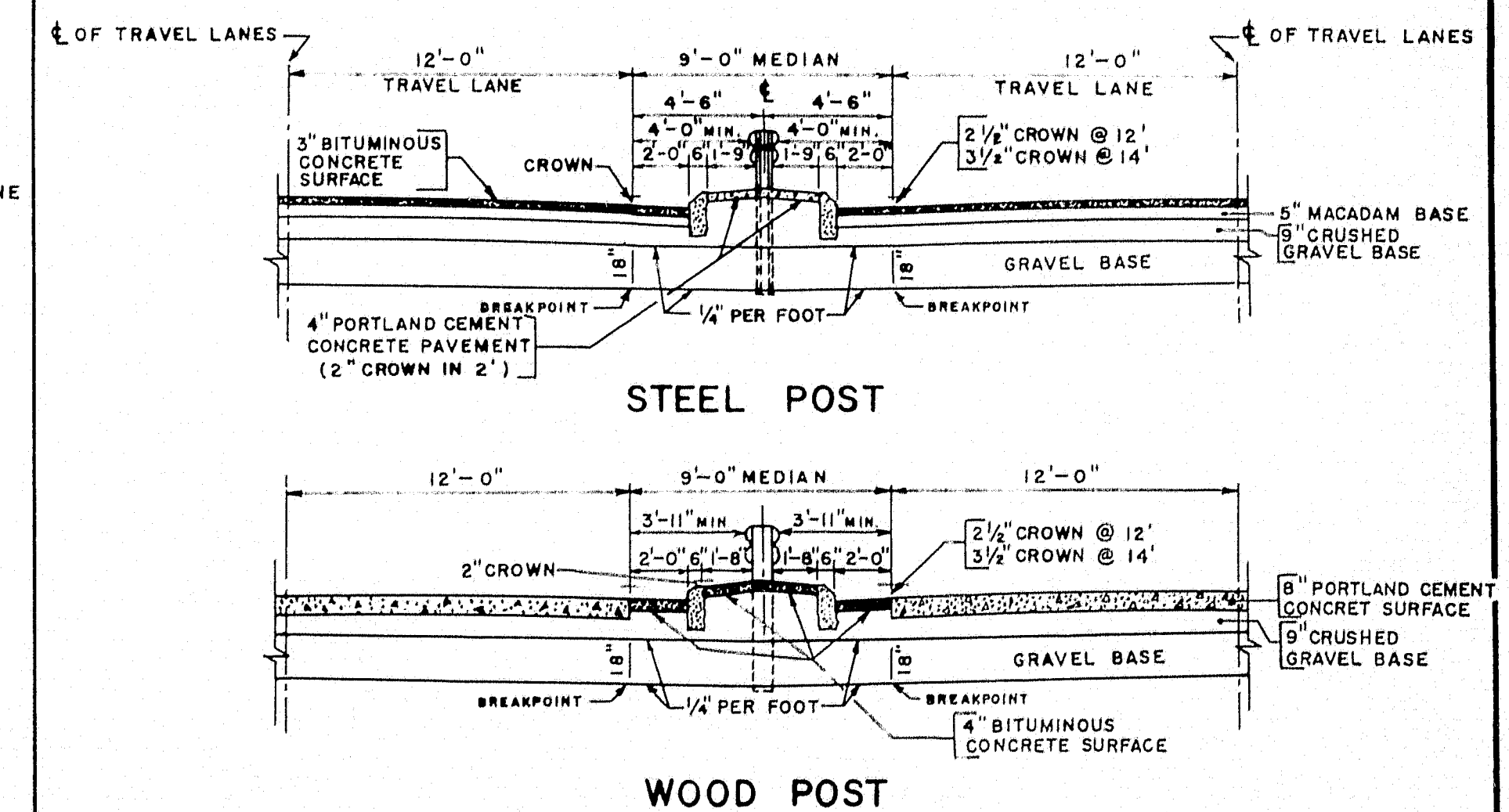
NOTE: THE THREE SECTIONS DETAILED BELOW SHALL BE USED WHEN DIRECTED BY THE ENGINEER OR AS SHOWN ON THE PLANS.



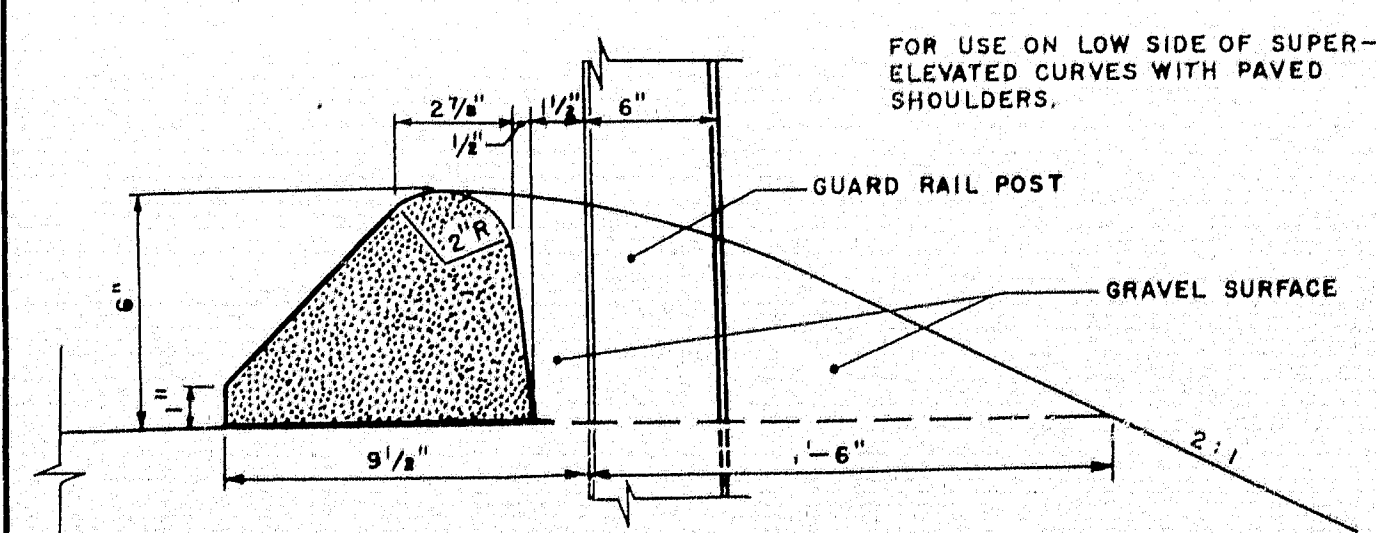
CUT SLOPE DRAIN



9-FOOT MEDIAN



BITUMINOUS CONCRETE CURB



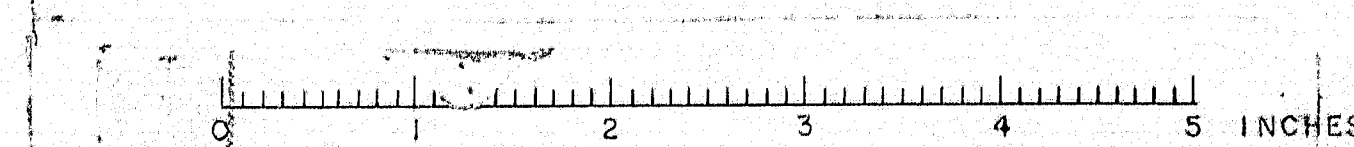
MAINE STATE HIGHWAY COMMISSION
AUGUSTA, MAINE

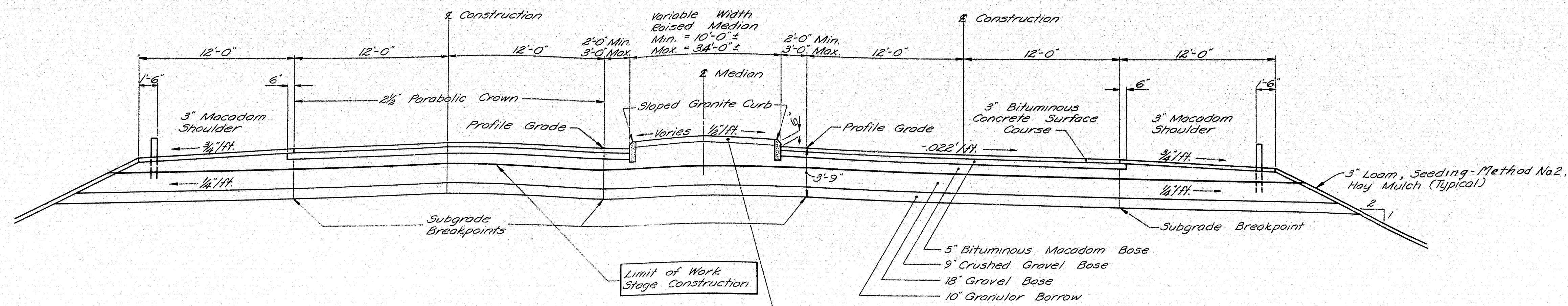
STANDARD DETAILS

BENDS & BANDS, METAL ENDWALLS,
GUARD RAIL ON RAMPS, CUT SLOPE
DRAIN, 9-FOOT MEDIAN & BITUMINOUS
CONCRETE CURB

SHEET 3 OF 92

4-62

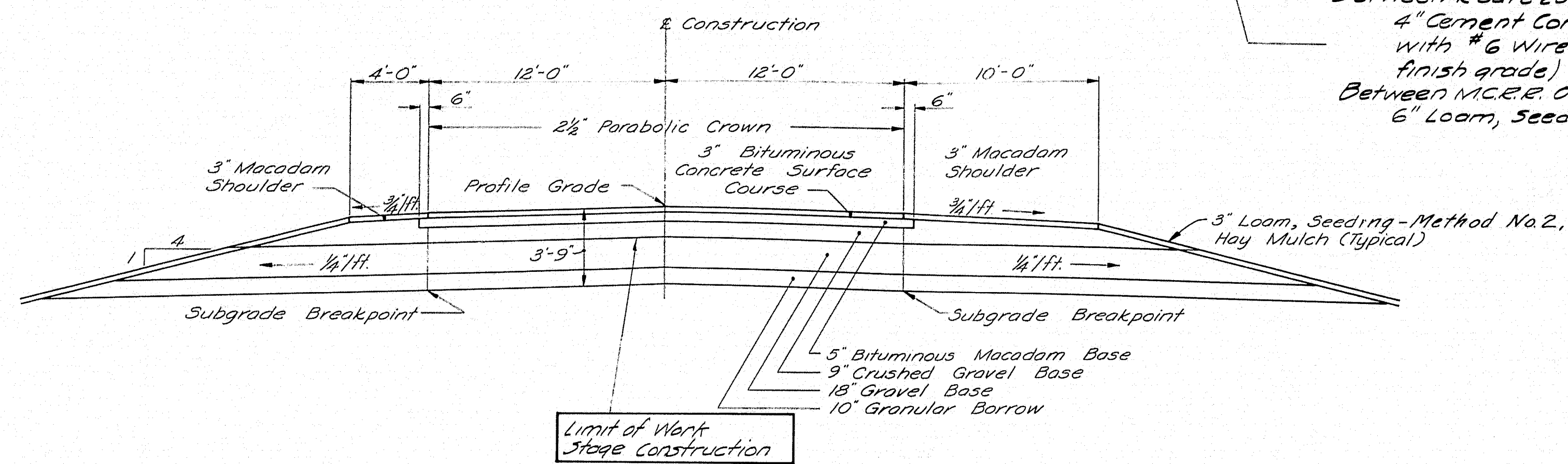




TYPICAL SECTION - SUPERELEVATED NORTHBOUND

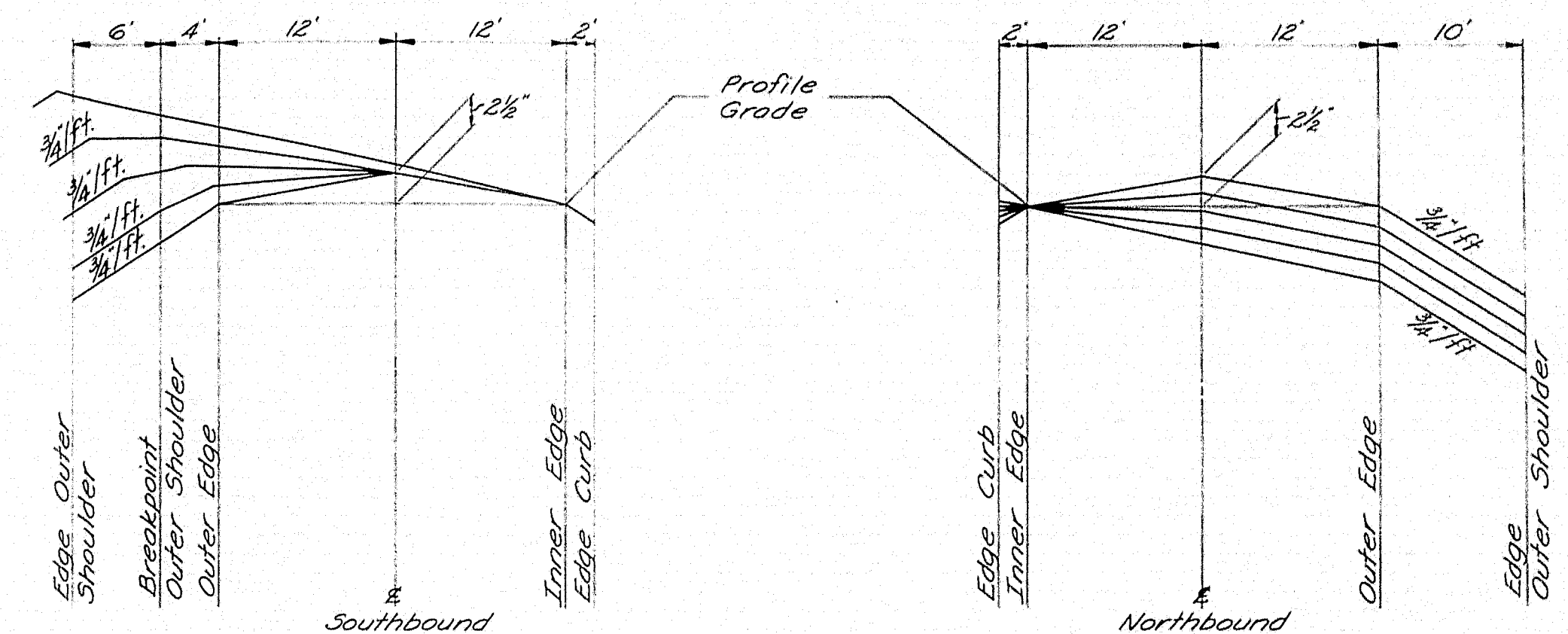
NOTE

Top of raised median to be built as follows:
 Between Route 201 Overpass and M.C.R.R. Overpass - 4" Cement Concrete Pavement (Reinforced with #6 Wire Mesh 6"x6", embedded 1/2" below finish grade)
 Between M.C.R.R. Overpass & C.A. Clouson Bridge - 6" Loam, Seeding - Method No.1, Hay Mulch



NORMAL

Northbound (10' Shoulder Rt. - 4' Shoulder Lt.)
 Southbound (4' Shoulder Rt. - 10' Shoulder Lt.)



BANKING DIAGRAM

Vert. and Horiz. Transition, D=1' Southbound

BANKING DIAGRAM

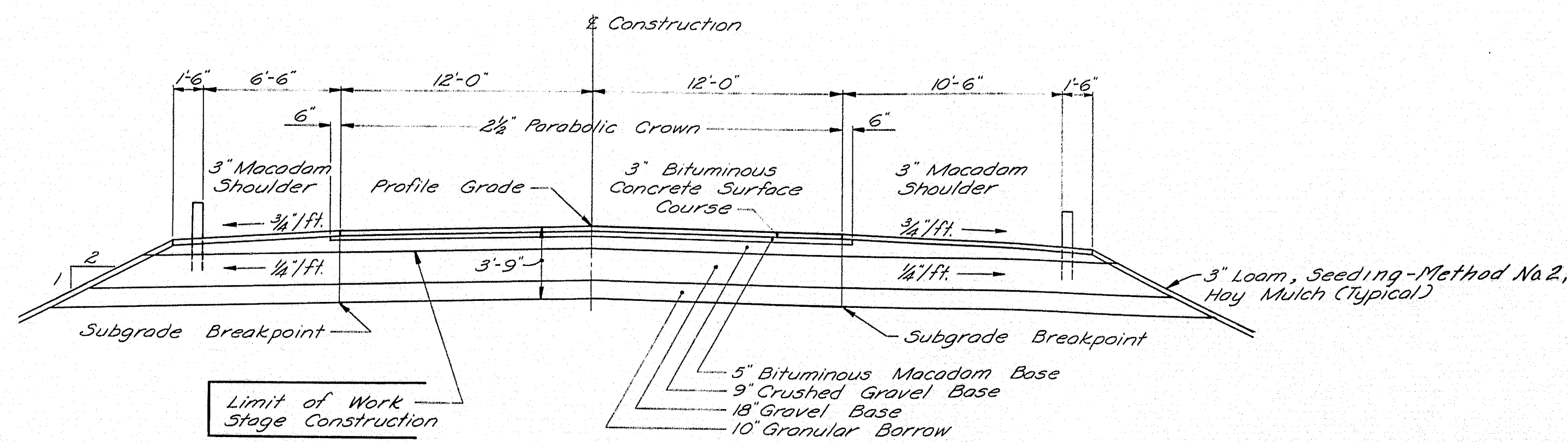
Vert. Transition, D=1' Northbound

| SOUTHBOUND | | | | | | | | | |
|------------|---------------------|---------------------------|------------|-------------------|------------|-----------|-----------|-----------|-----------|
| Station | Edge Outer Shoulder | Breakpoint Outer Shoulder | Outer Edge | 12' Offset from E | Inner Edge | Edge Curb | Edge Curb | Edge Curb | Edge Curb |
| 1247+0 | 0.00 | +0.87 | 27.0 | +0.80 | 36.0 | +0.53 | +0.26 | 0.00 | -0.07 |
| +50 | 0.00 | +0.83 | 25.6 | +0.74 | 33.6 | +0.53 | +0.26 | 0.00 | -0.13 |
| 1248+0 | +0.68 | 24.7 | +0.77 | 23.2 | +0.68 | 31.2 | +0.53 | +0.26 | 0.00 |
| (P.T.) +50 | +0.27 | 23.8 | +0.46 | 20.8 | +0.46 | 28.8 | +0.39 | +0.21 | 0.00 |
| 1249+0 | +0.09 | 22.9 | +0.19 | 18.4 | +0.26 | 26.4 | +0.26 | +0.21 | 0.00 |
| +50 | -0.40 | 22.0 | -0.03 | 16.0 | +0.13 | 24.0 | +0.13 | +0.21 | 0.00 |
| 1250+0 | -0.62 | 22.0 | | | 0.00 | 24.0 | 0.00 | +0.21 | 0.00 |

| NORTHBOUND | | | | | | | | | |
|------------|-----------|------------|-----------|------------|-----------|-----------|-----------|-----------|-----------|
| Station | Edge Curb | Inner Edge | Edge Curb | Outer Edge | Edge Curb | Edge Curb | Edge Curb | Edge Curb | Edge Curb |
| 1252+50 | +0.04 | 0.00 | -0.26 | -0.52 | -0.74 | | | | |
| 1253+0 | 0.00 | 0.00 | -0.26 | -0.52 | -0.75 | | | | |
| +50 | -0.04 | 0.00 | -0.20 | -0.46 | -0.69 | | | | |
| 1254+0 | -0.05 | 0.00 | -0.07 | -0.33 | -0.56 | | | | |
| +50 | -0.05 | 0.00 | +0.07 | -0.19 | -0.40 | | | | |

SUPERELEVATION CHART

All distances are in feet and are added (+) or subtracted (-) from profile grade.



NORMAL GUARD RAIL

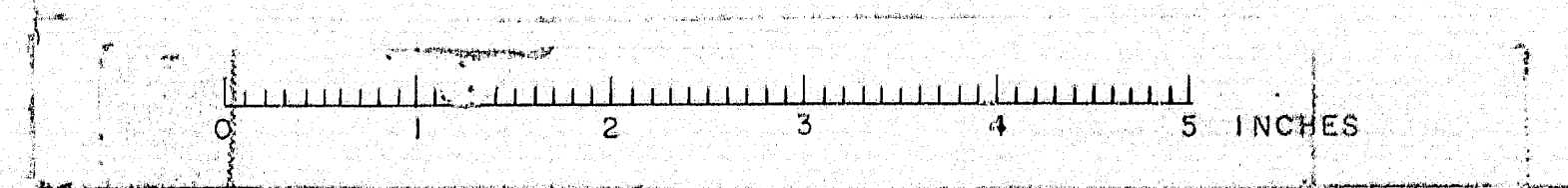
Northbound (12' Shoulder Rt. - 8' Shoulder Lt.)
 Southbound (8' Shoulder Rt. - 12' Shoulder Lt.)

NOTE

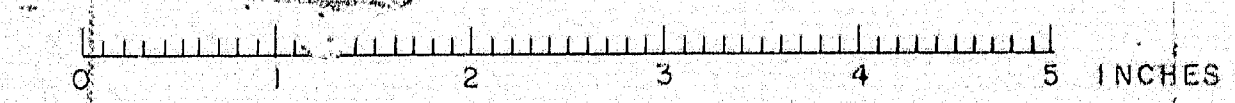
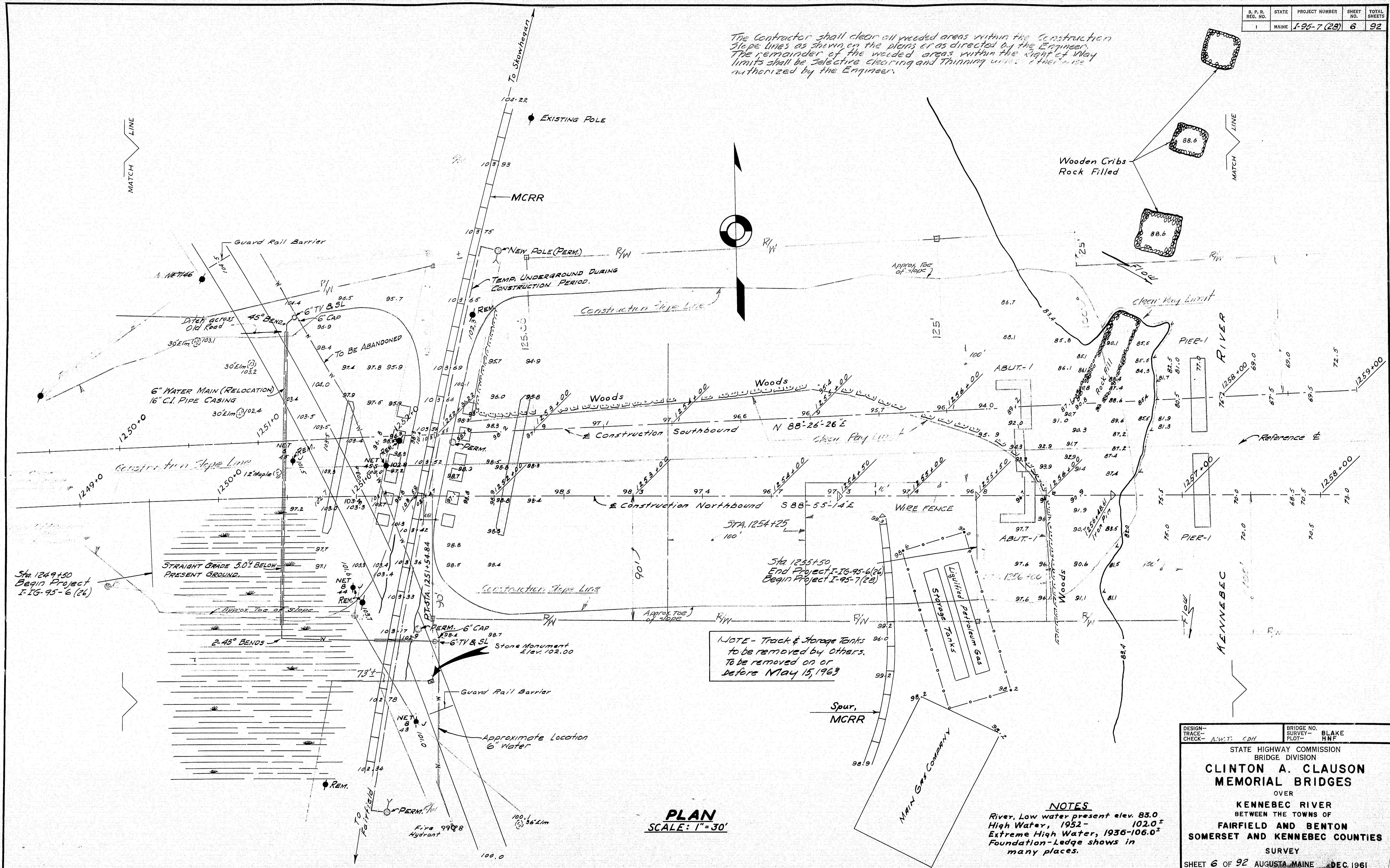
Stage Construction under this Contract includes all approach work up to and including the 18 inch gravel base course.

| | |
|-----------------|-----------------|
| DESIGN - E.E.B. | BRIDGE NO. 1007 |
| TRACE - E.E.L. | |
| CHECK - M.W.P. | |

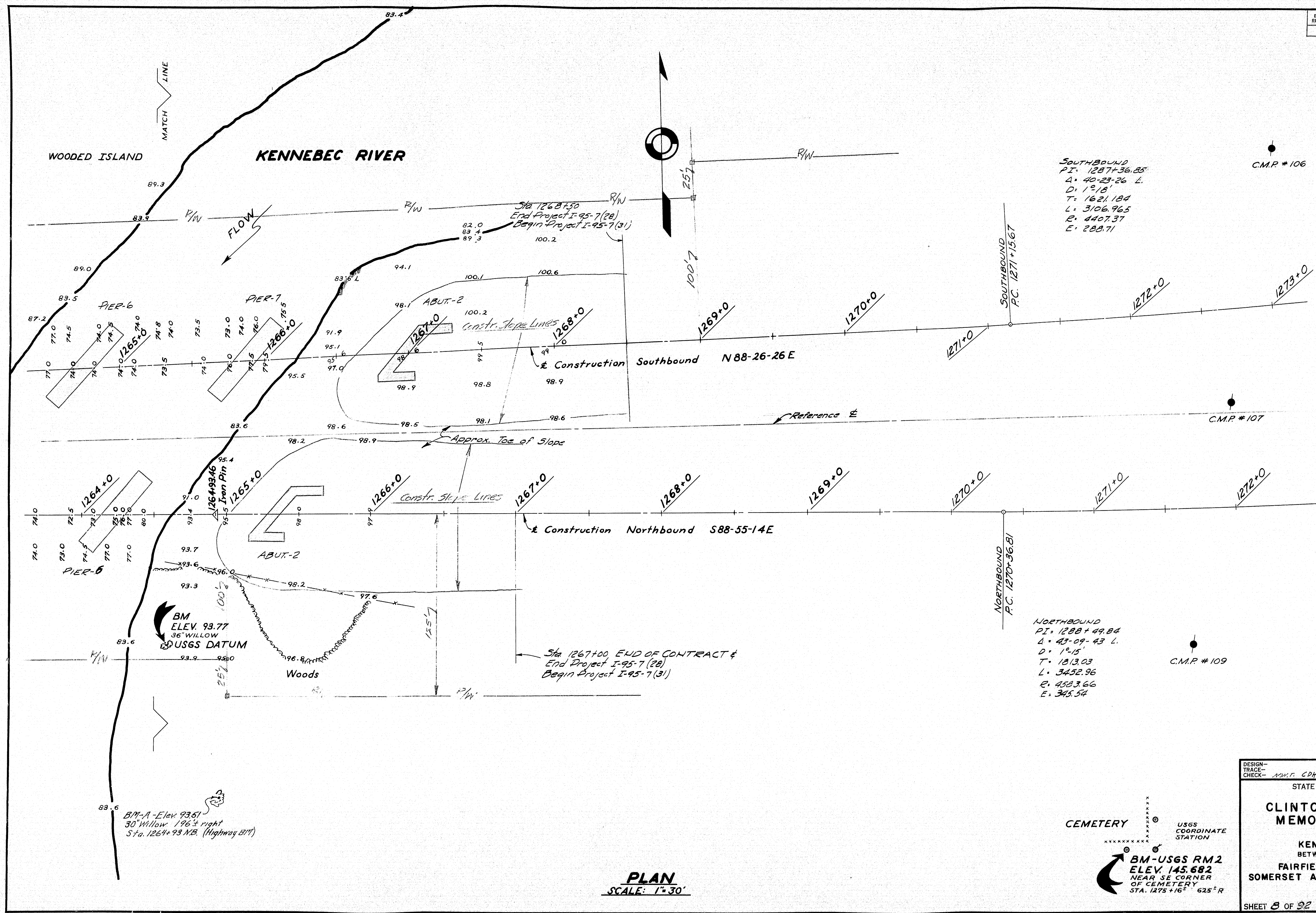
STATE HIGHWAY COMMISSION
 BRIDGE DIVISION
**CLINTON A. CLAUSON
 MEMORIAL BRIDGES**
 OVER
 KENNEBEC RIVER
 BETWEEN THE TOWNS OF
 FAIRFIELD AND BENTON
 SOMERSET AND KENNEBEC COUNTIES
 TYPICAL SECTIONS
 SHEET 4 OF 92 AUGUSTA, MAINE Nov. 1962

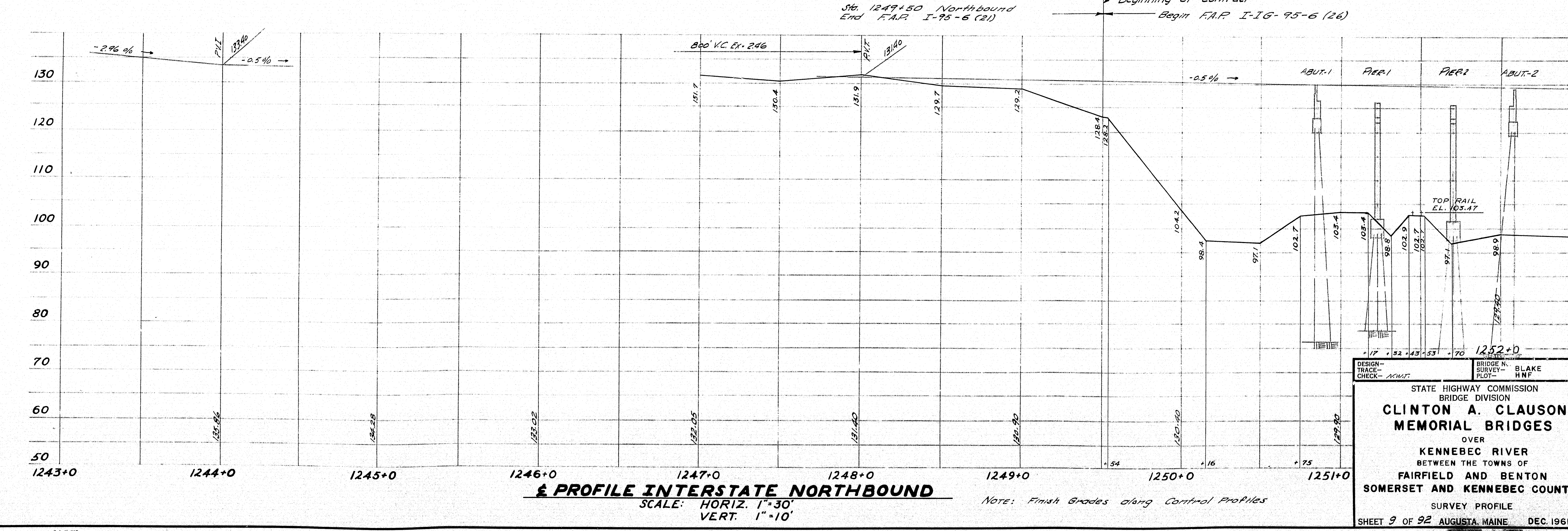
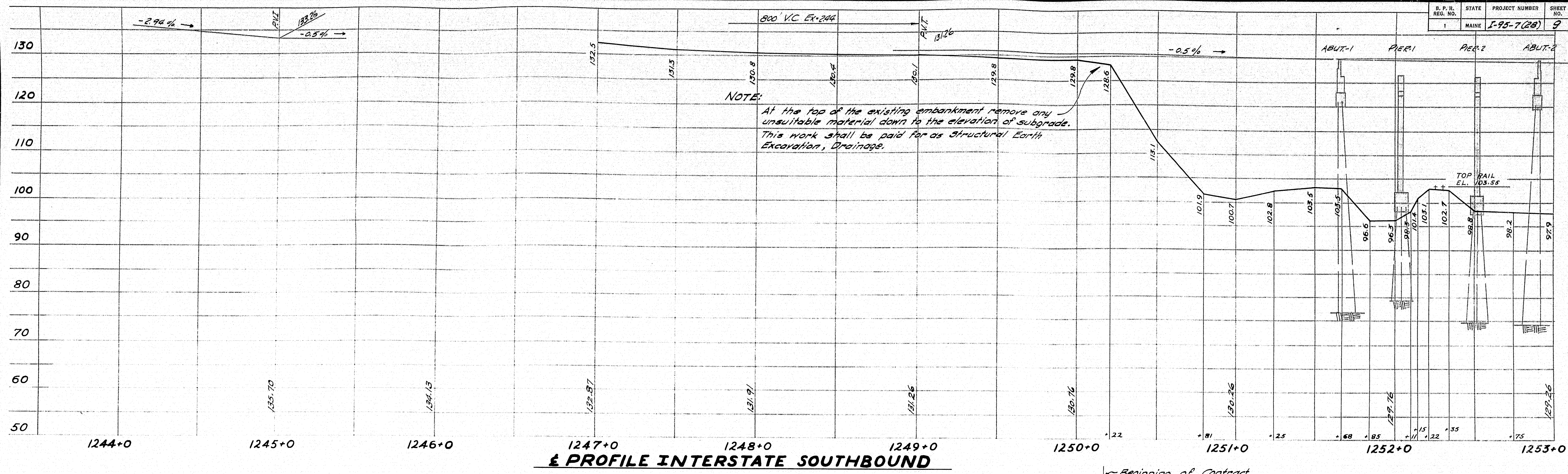


The Contractor shall clear all wooded areas within the Construction Slope Lines as shown on the plans or as directed by the Engineer. The remainder of the wooded areas within the Right of Way limits shall be selective clearing and thinning unless otherwise authorized by the Engineer.



| B. P. R. REG. NO. | STATE | PROJECT NUMBER | SHEET NO. | TOTAL SHEETS |
|----------------------|-------|----------------|--------------|-----------------|
| 1 | MAINE | 1-95-7 (28) | 8 | 92 |



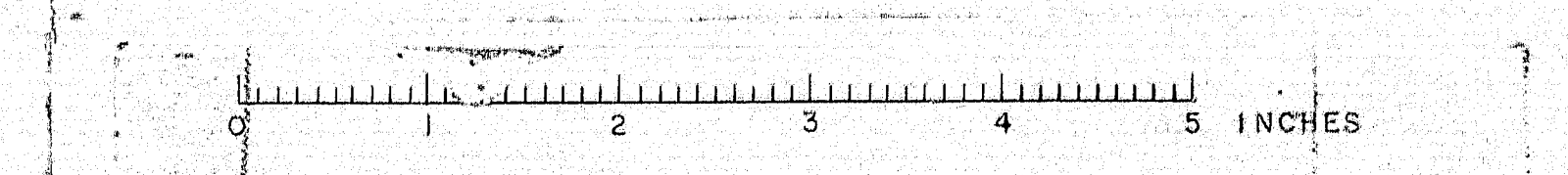


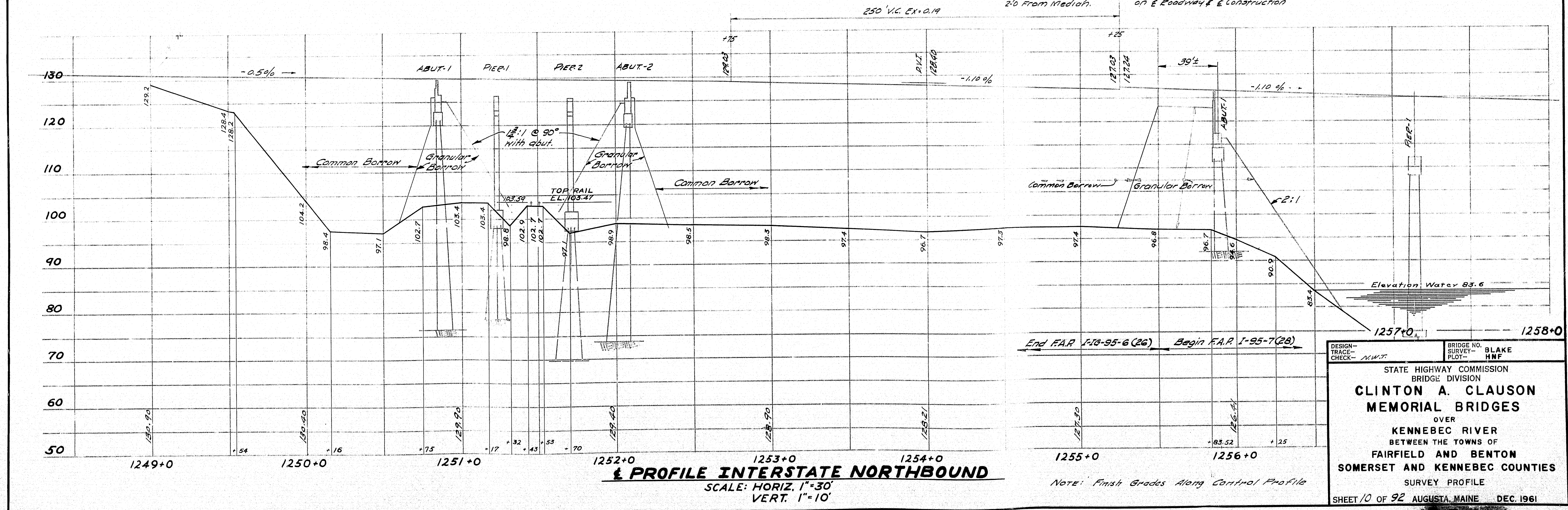
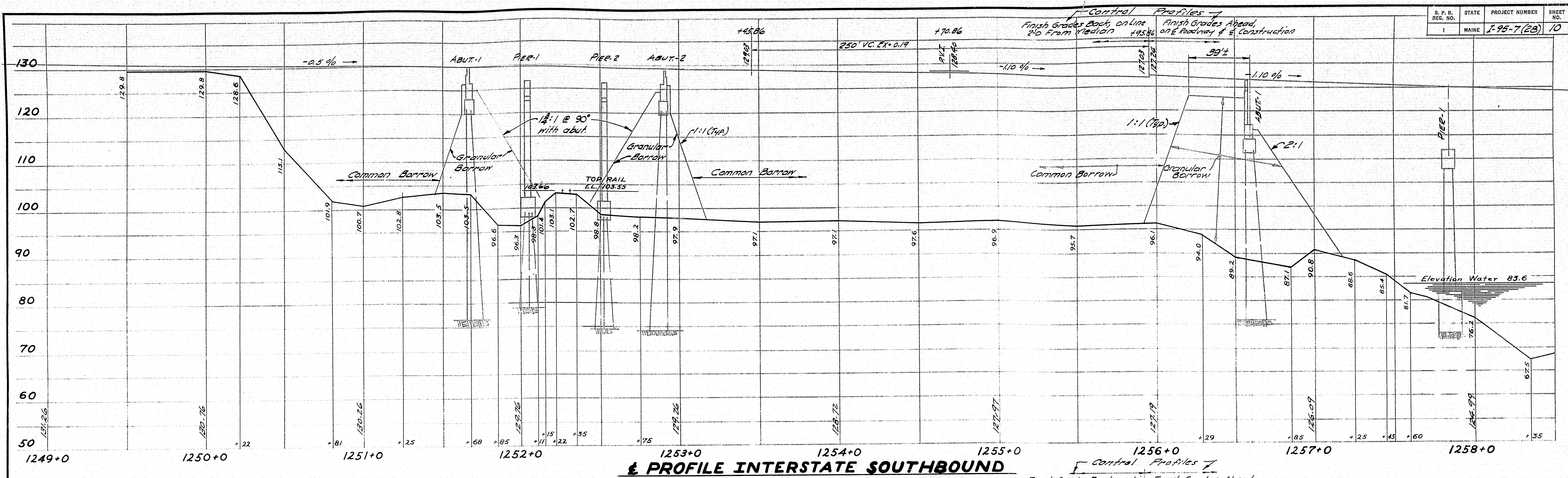
DESIGN -
TRACE -
CHECK -

BRIDGE N.
SURVEY -
PLOT -

STATE HIGHWAY COMMISSION
BRIDGE DIVISION
CLINTON A. CLAUSON
MEMORIAL BRIDGES
OVER
KENNEBEC RIVER
BETWEEN THE TOWNS OF
FAIRFIELD AND BENTON
SOMERSET AND KENNEBEC COUNTIES

SURVEY PROFILE
SHEET 9 OF 92 AUGUSTA, MAINE DEC. 1961

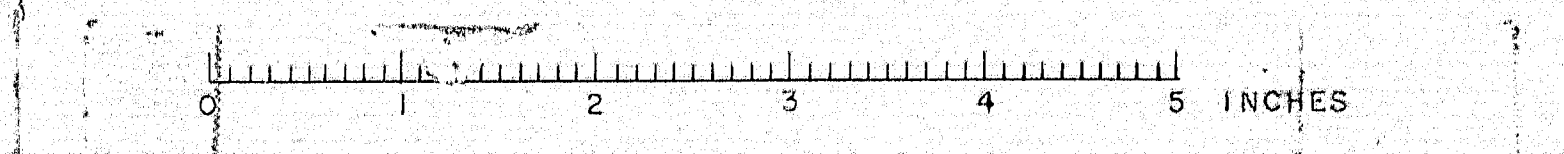


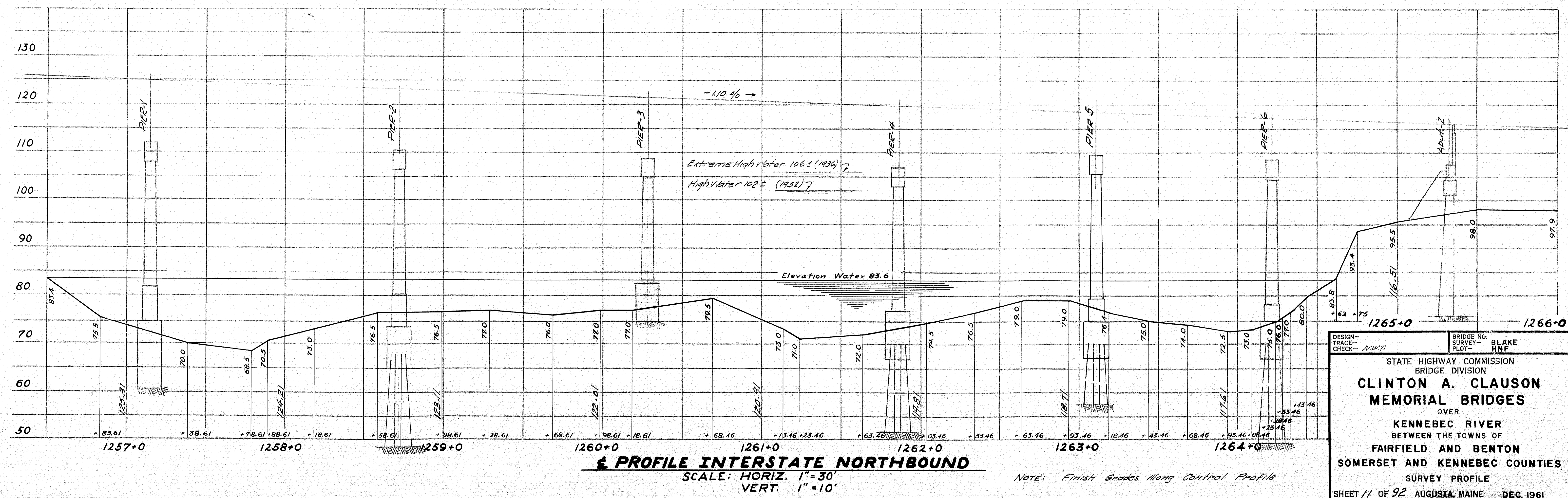
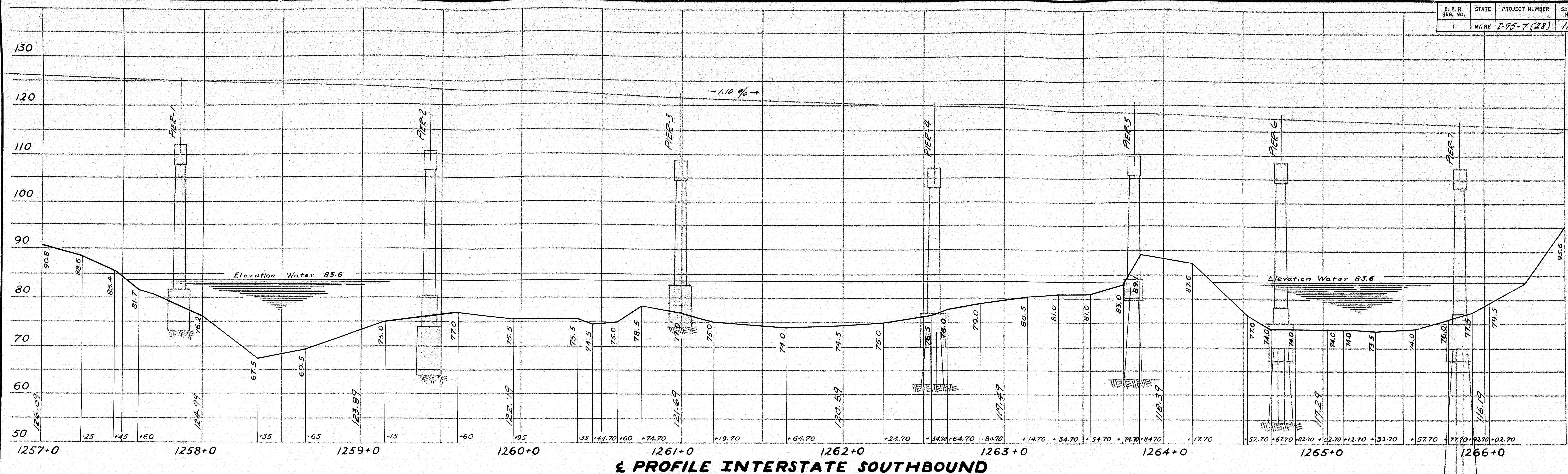


STATE HIGHWAY COMMISSION
BRIDGE DIVISION
CLINTON A. CLAUSON
MEMORIAL BRIDGES
OVER
KENNEBEC RIVER
BETWEEN THE TOWNS OF
FAIRFIELD AND BENTON
SOMERSET AND KENNEBEC COUNTIES
SURVEY PROFILE
SHEET 10 OF 92 AUGUSTA, MAINE DEC. 1961

NOTE: Finish Grades Along Control Profile

SCALE: HORIZ. 1"=30'
VERT. 1"=10'

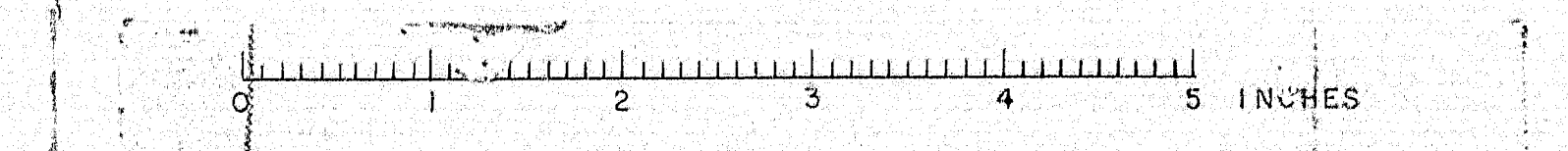


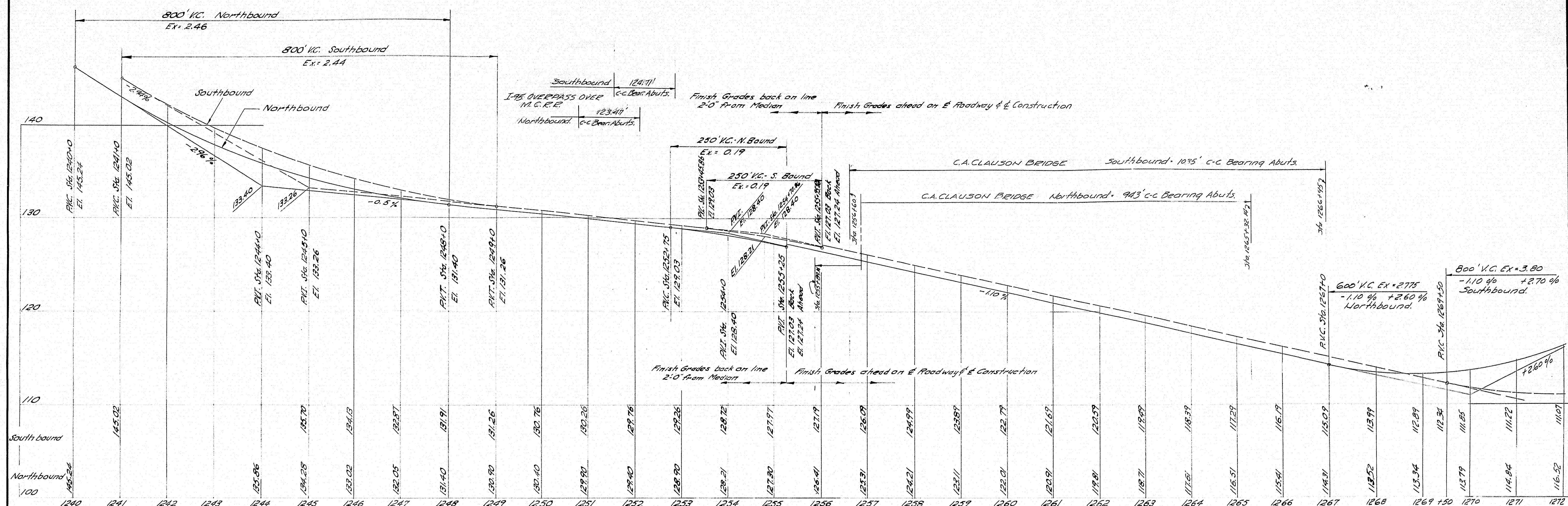


DESIGN -
 TRACE -
 CHECK -
 BRIDGE NO. 106
 SURVEY PLOT -
 STATE HIGHWAY COMMISSION
 BRIDGE DIVISION
CLINTON A. CLAUSON
MEMORIAL BRIDGES
 OVER
 KENNEBEC RIVER
 BETWEEN THE TOWNS OF
 FAIRFIELD AND BENTON
 SOMERSET AND KENNEBEC COUNTIES
 SURVEY PROFILE
 SHEET 11 OF 92 AUGUSTA, MAINE DEC. 1961

SCALE: HORIZ. 1" = 30'
 VERT. 1" = 10'

NOTE: Finish Grades Along Control Profile





SCALES
 Hor. 1" = 100'
 Vert. 1" = 5'

CONTROL PROFILES
FINISH GRADES

| | |
|---|---------------------------------|
| DESIGN - V.E. | BRIDGE NO. |
| TRACE - L.V. | CLINTON A. CLAUSON |
| CHECK - M.W. | MEMORIAL BRIDGES |
| | OVER |
| | KENNEBEC RIVER |
| | BETWEEN THE TOWNS OF |
| | FAIRFIELD AND BENTON |
| | SOMERSET AND KENNEBEC COUNTIES |
| | CONTROL PROFILE - FINISH GRADES |
| SHEET 13 OF 92 AUGUSTA, MAINE NOV. 1962 | |

