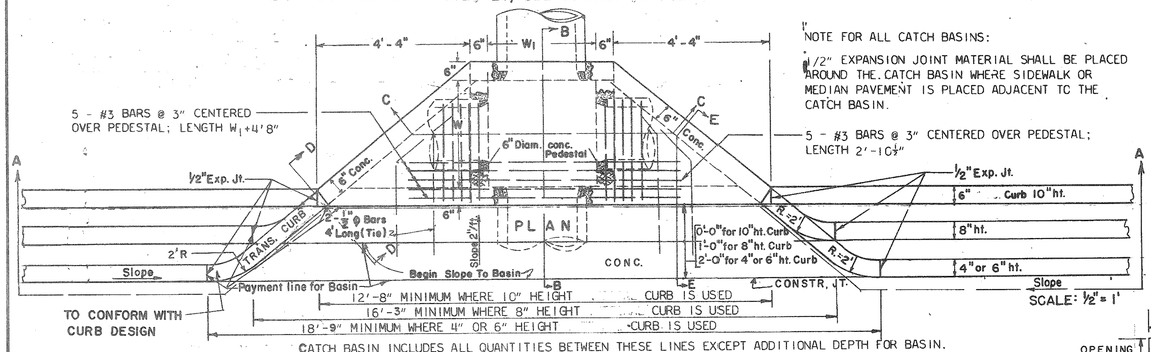
| STATE | PROJECT NUMBER | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|
| G.A. | | 462 | 604 |

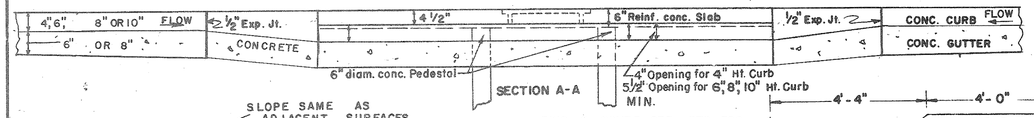
# CATCH BASIN (IF CATCH BASIN HAS LONGITUDINAL PIPE OVER 24", SEE DETAILS AT RIGHT)

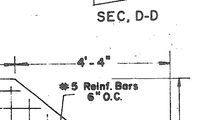


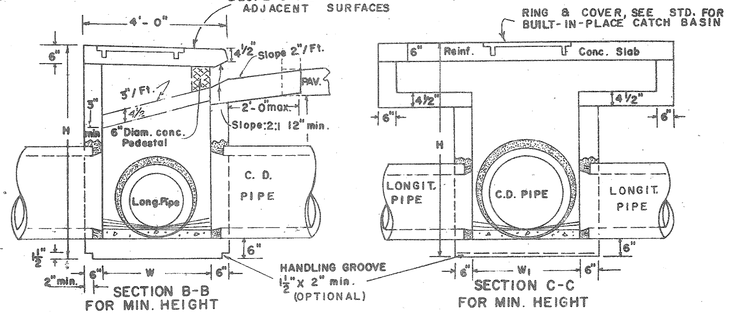

NOTE FOR ALL CATCH BASINS:

½" EXPANSION JOINT MATERIAL SHALL BE PLACED AROUND THE CATCH BASIN WHERE SIDEWALK OR MEDIAN PAVEMENT IS PLACED ADJACENT TO THE CATCH BASIN.

CATCH BASIN INCLUDES ALL QUANTITIES BETWEEN THESE LINES EXCEPT ADDITIONAL DEPTH FOR BASIN.

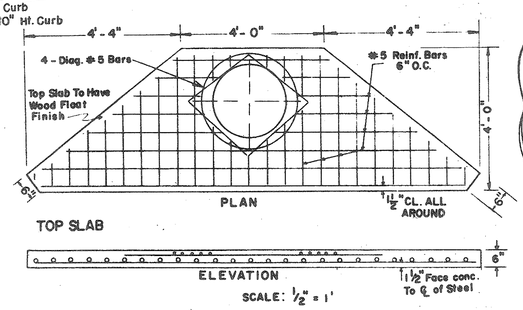


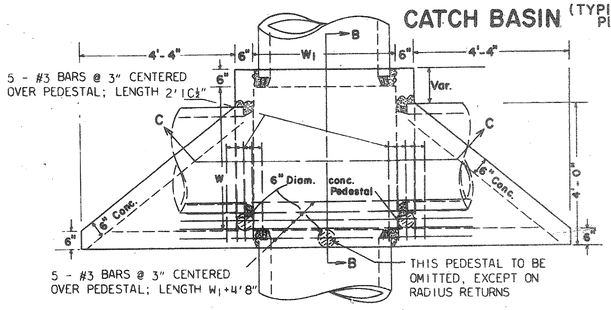



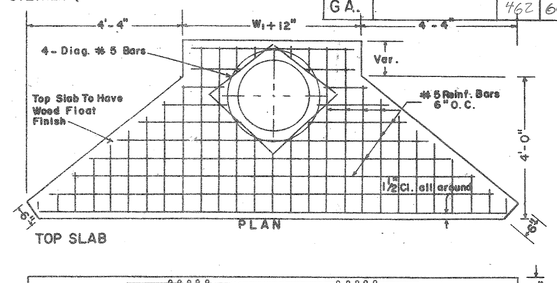


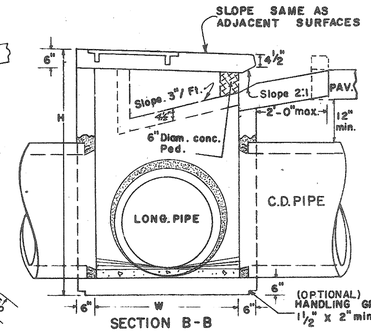


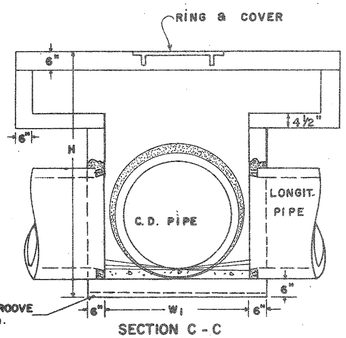


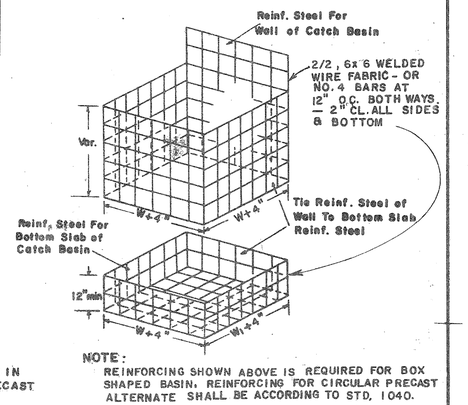

# CATCH BASIN (TYPICAL FOR CATCH BASIN WITH LONGITUDINAL PIPE OVER 24")



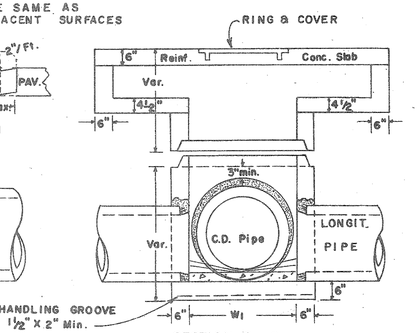




## REINFORCING - ISOMETRIC VIEW




NOTE:
REINFORCING SHOWN ABOVE IS REQUIRED FOR BOX SHAPED BASIN. REINFORCING FOR CIRCULAR PRECAST ALTERNATE SHALL BE ACCORDING TO STD. 1040.

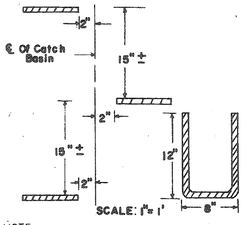
ALL JOINTS BETWEEN PRECAST RISERS OR BETWEEN PRECAST BASE AND RISER WILL BE KEYED. KEYED JOINTS SHOWN ARE TYPICAL AND MAY BE VARIED.





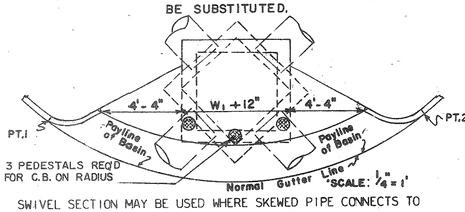


## DETAIL AND ARRANGEMENT OF LADDER BARS

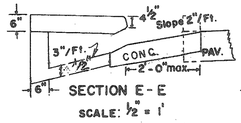



NOTE:
M.H. STEPS LISTED IN GA. D.O.T. LABORATORY'S QUALIFIED PRODUCTS LIST MAY BE SUBSTUTED, ALL CATCH BASINS WILL HAVE STEPS OR LADDER BARS.

NUMBER AND LOCATION OF LADDER BARS IN CATCH BASIN TO BE AS DIRECTED BY THE ENGINEER. AN ALTERNATE TYPE STEP APPROVED BY THE LABORATORY MAY BE SUBSTITUTED.

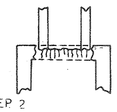



SWIVEL SECTION MAY BE USED WHERE SKEWED PIPE CONNECTS TO PRECAST CONCRETE BOX.
ALL DIMENSIONS ARE THE SAME AS SHOWN ON DETAILS FOR CATCH BASIN. DIMENSIONS FROM PT 1 TO PT 2 ARE MEASURED ALONG THE CHORD. UNIT PRICE BID FOR CATCH BASIN INCLUDES ALL CURB AND GUTTER FROM PT 1 TO PT 2.

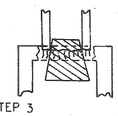



## METHOD OF CONNECTING PIPE (WHERE CONC. PIPE HAS TO BE CUT)

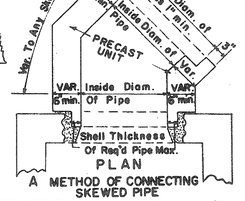
STEP 1
CUT CONCRETE PIPE LEAVING APPROXIMATELY 3" OF REINFORCING MESH EXPOSED.



STEP 2
POSITION PIPE APPROXIMATELY 3" INTO OPENING OF WALL.

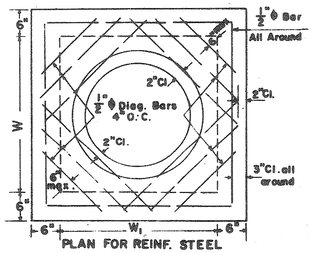


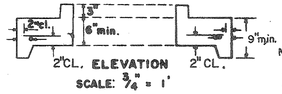
STEP 3
POSITION CONICAL CORE INSIDE OF PIPE AND SEAL WITH GROUT (1/2" MIN. THICKNESS OF GROUT). REMOVE CORE WHEN SET AND RUB GROUT TO SEAL JOINTS.
NO SCALE



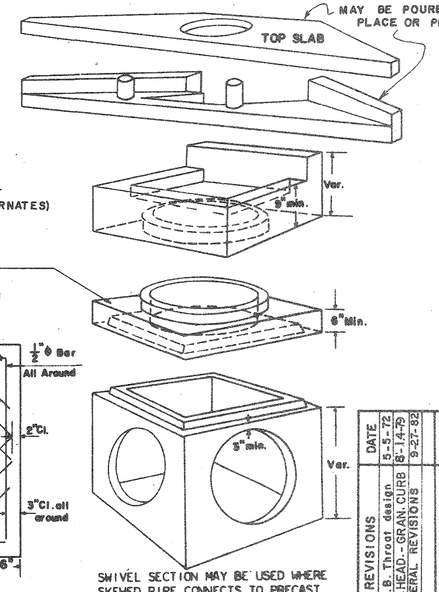

A METHOD OF CONNECTING SKEWED PIPE
(SEE SEPARATE STANDARDS FOR ALTERNATES)

IF THIS SWIVEL SECTION SLAB IS USED TO REDUCE THE W AND W1 DIMENSIONS, INCREASE THE MINIMUM THICKNESS TO 9" AND USE REINF. STEEL. SEE DETAIL BELOW.




## TYPICAL ISOMETRIC VIEW




SWIVEL SECTION MAY BE USED WHERE SKEWED PIPE CONNECTS TO PRECAST CONCRETE BOX.
NO SCALE

NOTE:
THE ABOVE VIEW DEPICTS PRECAST BOX. SEE SEPARATE STANDARDS FOR CIRCULAR ALTERNATE OR BUILT-IN-PLACE BOX.

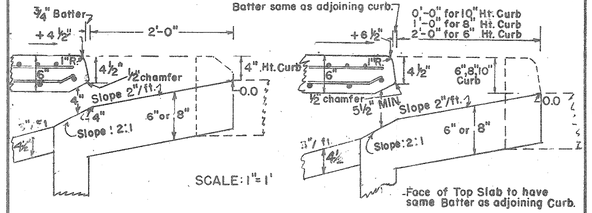
| DIMENSIONS FOR CATCH BASINS | | |
|---|---|---|
| PIPE SIZE | NORMAL W OR W1 | MIN. H |
| 12" | 3'-0" | 4'-4" |
| 15" | 3'-0" | 4'-7" |
| 18" | 3'-0" | 4'-10" |
| 24" | 3'-0" | 5'-6" |
| 30" | 3'-6" | 6'-2" |
| 36" | 4'-0" | 6'-10" |
| 42" | 5'-0" | 7'-4" |
| 48" | 5'-0" | 8'-0" |
| 54" | 6'-0" | 8'-6" |
| 60" | 6'-0" | 9'-2" |

NOTE:
DIMENSIONS FOR CATCH BASINS ARE BASED UPON TYPICAL OUTSIDE DIAMETERS OF CONCRETE PIPES AND MAY BE VARIED IF CONDITIONS PERMIT AND THE ENGINEER APPROVES, W & W1 DIMENSIONS DO NOT HAVE TO BE EQUAL.

ALTERNATE:
BUILT-IN-PLACE, PRECAST BOX, AND/OR PRECAST CIRCULAR UNITS WITH THE REQUIRED ADAPTERS, REDUCERS, FITTINGS, CONNECTIONS, ETC, MAY BE USED IN COMBINATIONS.

NOTE:
FOR RING & COVER DETAILS AND OTHER DETAILS NOT SHOWN, SEE STANDARD 1034F FOR BUILT-IN-PLACE CATCH BASIN.

## DETAIL OF TOP SLAB, REINF. STEEL & CLEARANCES REQ'D




| REVISIONS | DATE | BY |
|---|---|---|
| Rev. C.B. Throat design | 5-5-72 | R.M.U. |
| - USE W.HEAD - GRAN. CURB | 8-14-79 | R.M.U. |
| GENERAL REVISIONS | 9-27-82 | R.M.U. |

# DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

# STANDARD PRECAST CATCH BASINS

FOR USE WITH 4" 6" 8" OR 10" HT. HEADER OR INTEGRAL CURBS - IN SAGS OR LOW POINTS.

SCALE AS SHOWN — FEB. 1967

DESIGNED
DRAWN RWH
TRACED AVS
CHECKED RBS

SUBMITTED: STATE CONSTRUCTION ENGINEER
APPROVED: STATE HIGHWAY ENGINEER

NUMBER 1034F PRECAST

Dietzgen N. O. 135 "Imperial"