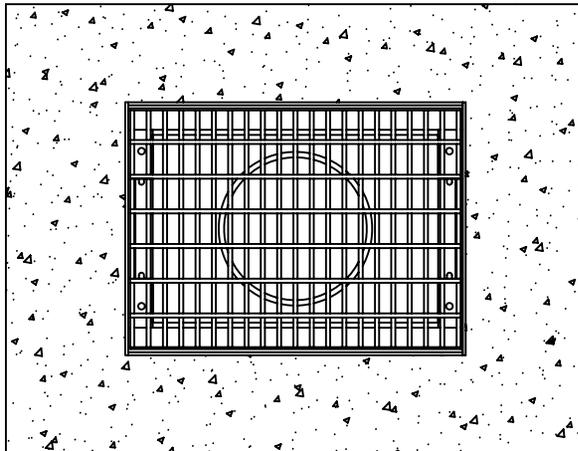


BACKFILL MATERIAL SHALL BE 701.2.1. BACKFILL MATERIAL SHALL BE PLACED UNIFORMLY IN 8" LIFTS AND COMPACTED TO A MINIMUM OF 95% STANDARD PROCTOR DENSITY, OR 1/2 SACK CLSM PER 728.

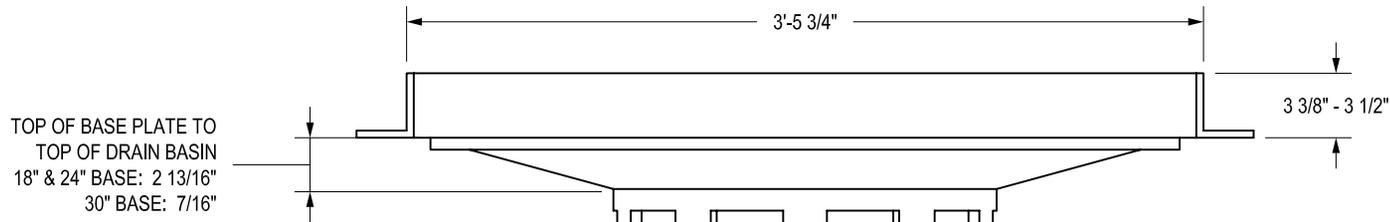
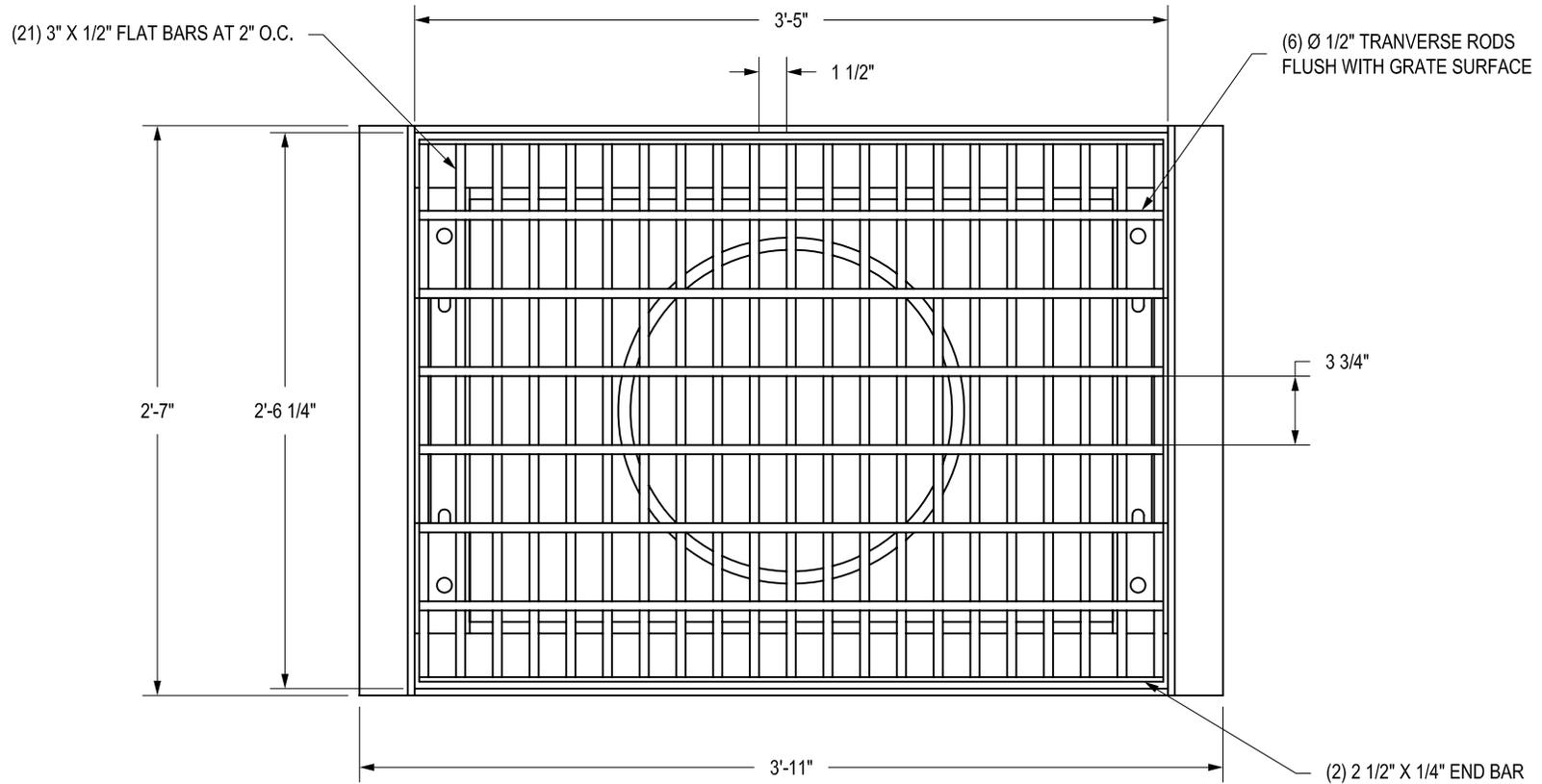
TOP VIEW



DETAIL NO.
535-2

CATCH BASIN 'J'

REVISED
DETAIL NO.
535-2



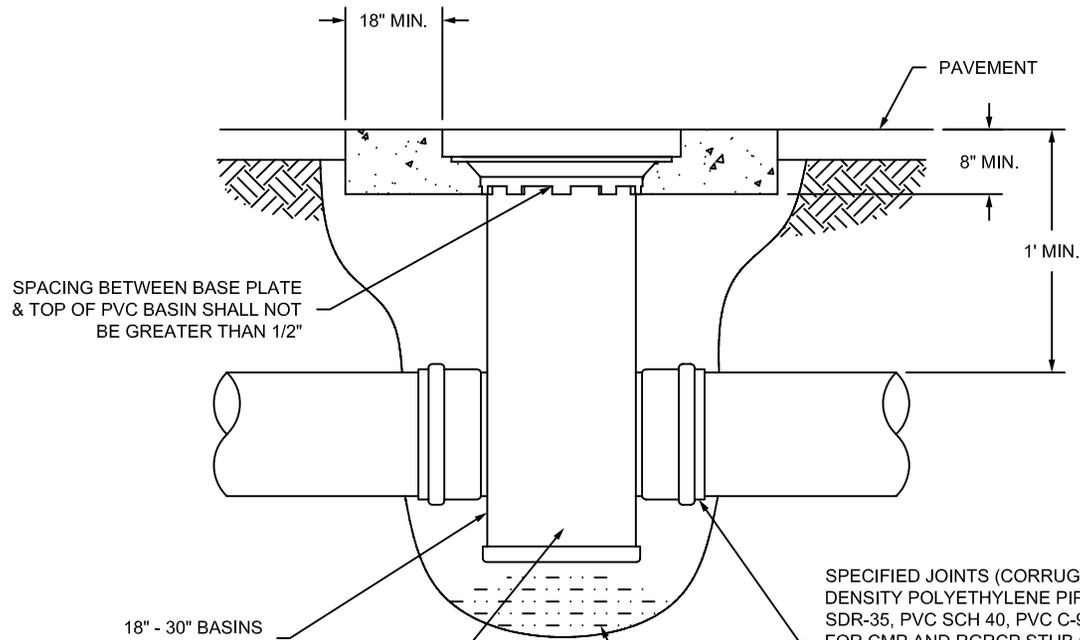
GRATE MEETS H-20 LOAD RATING.
 QUALITY: FRAME & GRATE MATERIALS SHALL CONFORM TO ASTM
 A-36 STEEL, BASE PLATE MATERIALS SHALL CONFORM TO ASTM A53
 GRADE 70-50-05 DUCTILE IRON
 ALL STRUCTURAL STEEL TO BE PAINTED ONE SHOP COAT OF NO.
 1 PAINT AND TWO FIELD COATS OF NO. 10 PAINT AS PER SECT. 790
 OR GALVANIZED. BASE PLATE ARE FURNISHED WITH BLACK ENAMEL
 PAINT AND ZINC PLATED FASTENERS.
 ALL WELDS ON FRAME AND SIDE BARS ON GRATE SHALL BE FULL
 LENGTH OF JOINT.
 APPROX. DRAIN AREA = 761.18 SQ IN.

DETAIL NO.
535-3

GRATE FOR CATCH BASIN 'J'

REVISED

DETAIL NO.
535-3



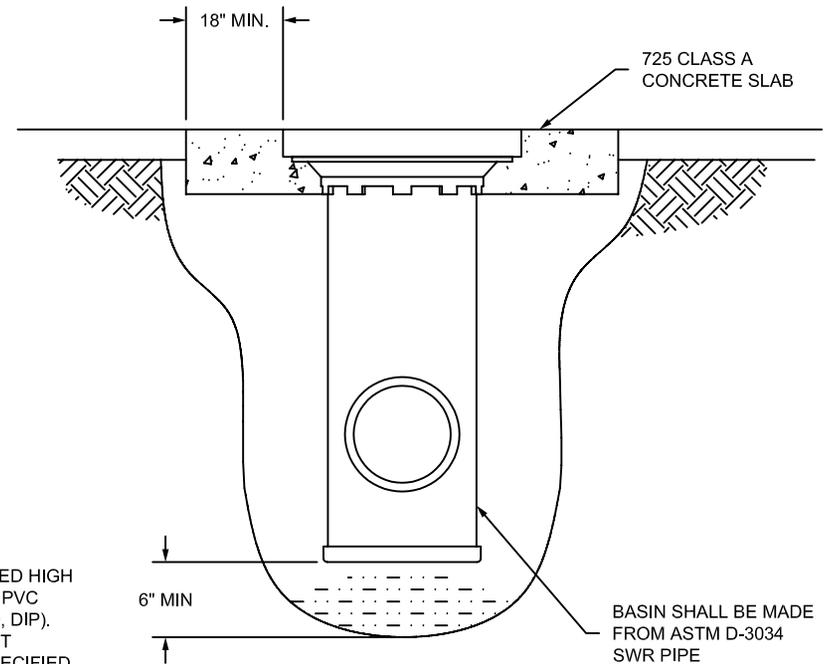
SPACING BETWEEN BASE PLATE & TOP OF PVC BASIN SHALL NOT BE GREATER THAN 1/2"

18" - 30" BASINS SPECIFIED SIZE ON PLANS

FILL SUMP WITH CONCRETE TO INVERT

SPECIFIED JOINTS (CORRUGATED HIGH DENSITY POLYETHYLENE PIPE, PVC SDR-35, PVC SCH 40, PVC C-900, DIP). FOR CMP AND RGRCP STUB OUT A TWO FOOT PIPE MATERIAL SPECIFIED ABOVE AND CONNECT THEM TOGETHER WITH A CONCRETE COLLAR PER DETAIL 505.

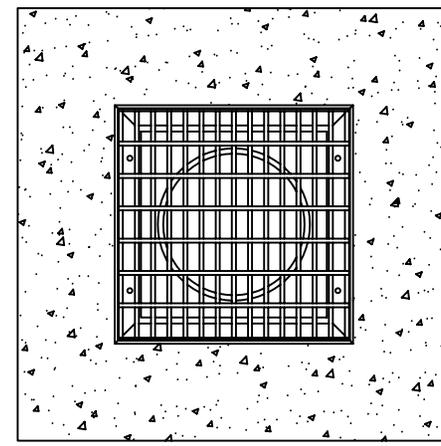
BACKFILL MATERIAL SHALL BE 701.2.1. BACKFILL MATERIAL SHALL BE PLACED UNIFORMLY IN 8" LIFTS AND COMPACTED TO A MINIMUM OF 95% STANDARD PROCTOR DENSITY, OR 1/2 SACK CLSM PER 728.



725 CLASS A CONCRETE SLAB

BASIN SHALL BE MADE FROM ASTM D-3034 SWR PIPE

TOP VIEW

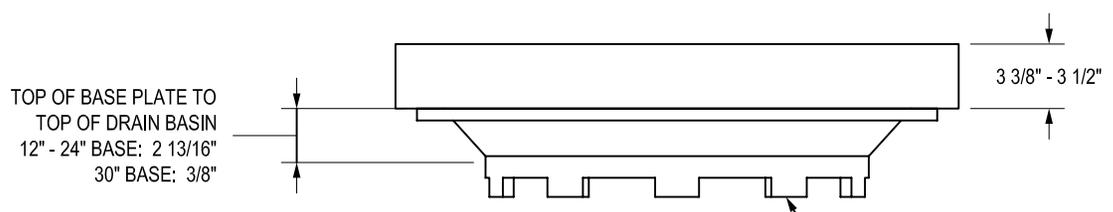
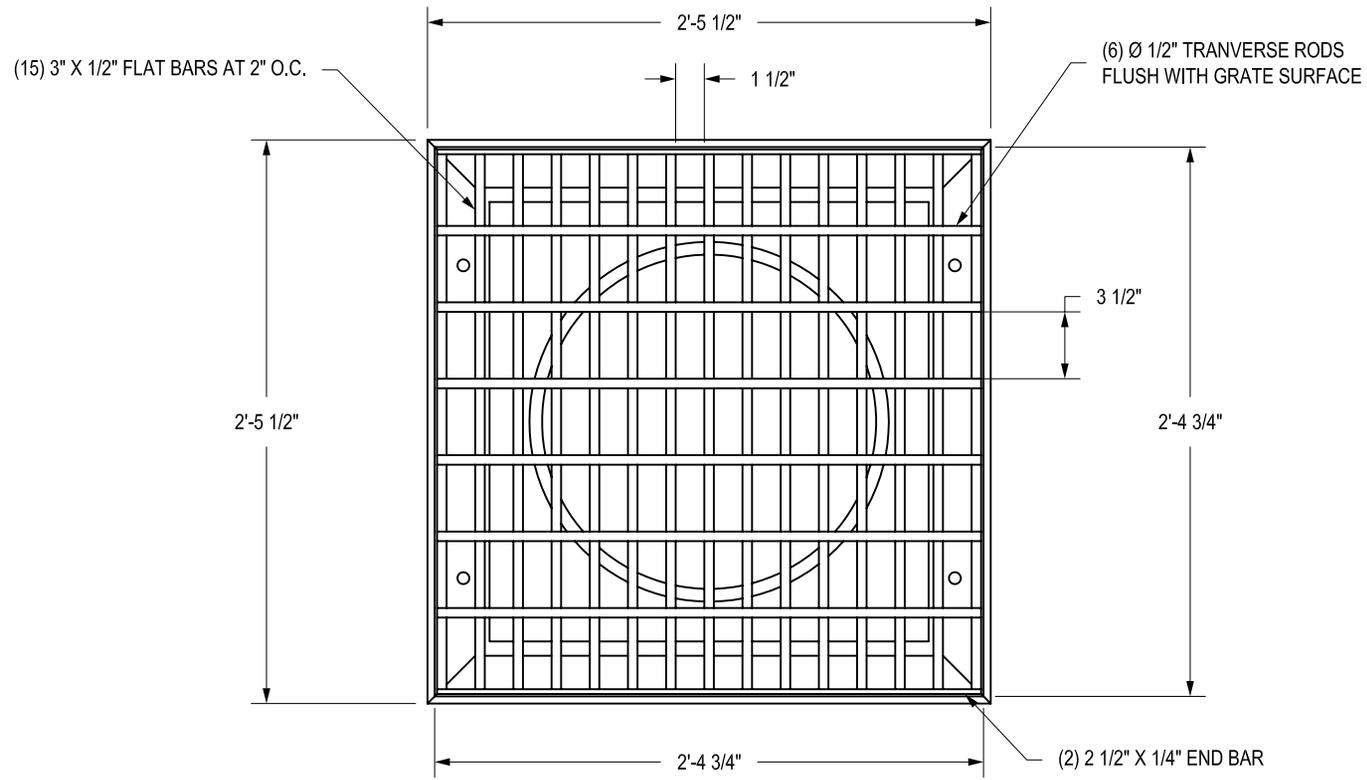


DETAIL NO.
537-2

CATCH BASIN - TYPE 'I'

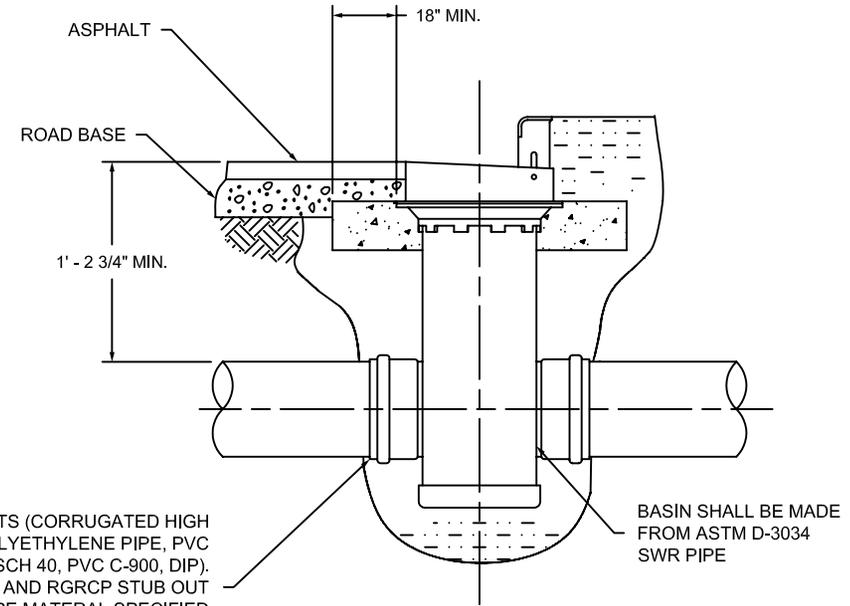
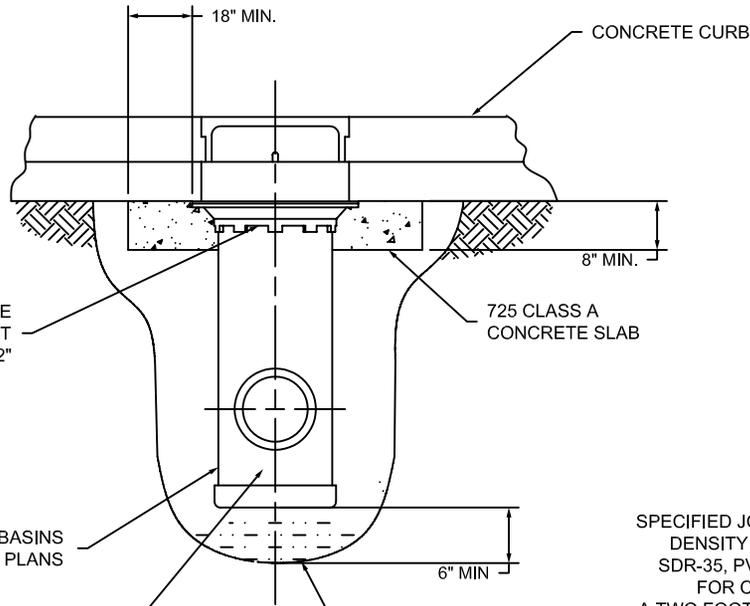
REVISED

DETAIL NO.
537-2



TOP OF BASE PLATE TO
TOP OF DRAIN BASIN
12" - 24" BASE: 2 13/16"
30" BASE: 3/8"

GRATE MEETS H-20 LOAD RATING
 QUALITY: FRAME & GRATE MATERIALS SHALL CONFORM TO ASTM
 A-36 STEEL, BASE PLATE DUCTILE IRON MATERIALS SHALL CONFORM
 TO ASTM A536 GRADE 70-50-05
 APPROX. DRAIN AREA = 551.25 SQ IN
 ALL STRUCTURAL STEEL TO BE PAINTED ONE SHOP COAT OF NO.1
 PAINT AND TWO FIELD COATS OF NO. 10 PAINT AS PER SECT. 790 OR
 GALVANIZED. BASE PLATE ARE FURNISHED WITH BLACK ENAMEL
 PAINT AND ZINC PLATED FASTENERS.
 ALL WELDS ON FRAME AND SIDE BARS ON GRATE SHALL BE FULL
 LENGTH OF JOINT.



SPACING BETWEEN BASE PLATE & TOP OF PVC BASIN SHALL NOT BE GREATER THAN 1/2"

18" - 30" BASINS SPECIFIED SIZE ON PLANS

FILL SUMP WITH CONCRETE TO INVERT

725 CLASS A CONCRETE SLAB

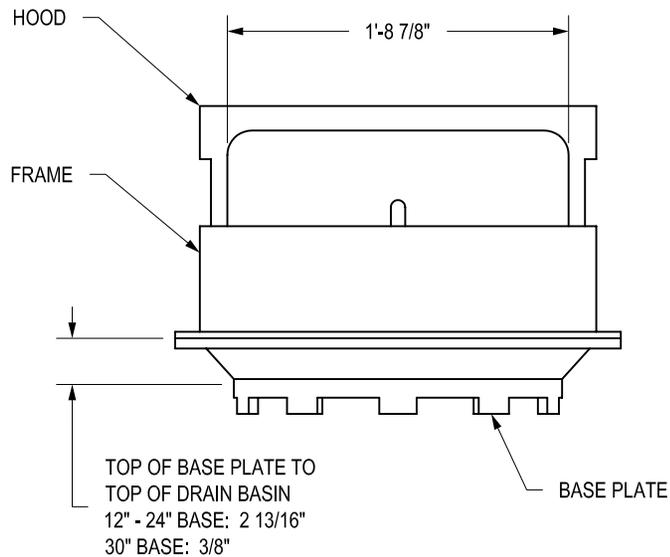
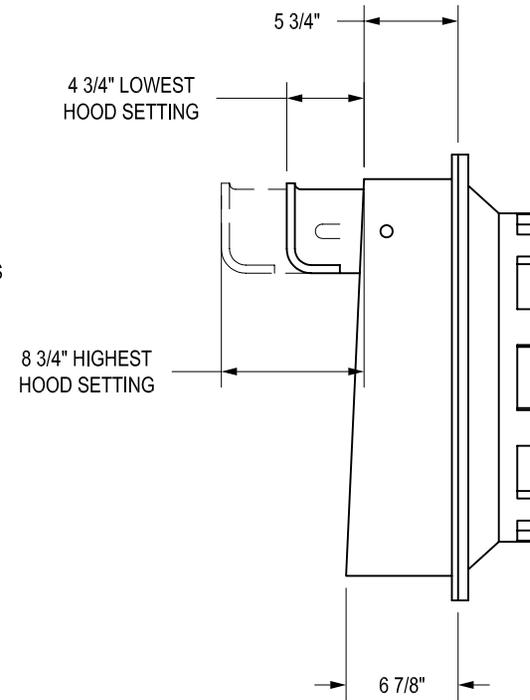
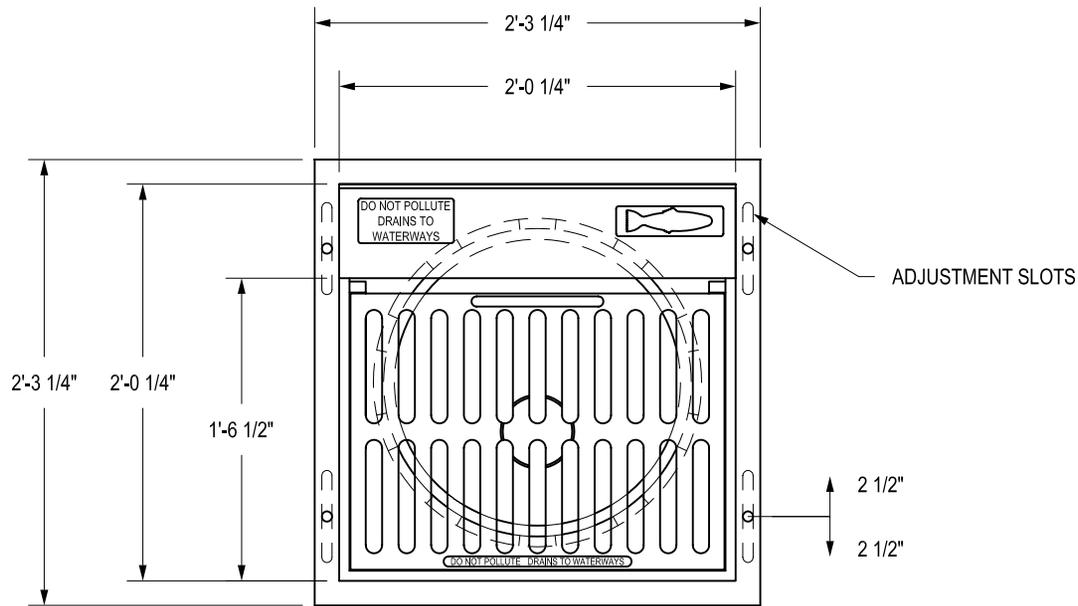
SPECIFIED JOINTS (CORRUGATED HIGH DENSITY POLYETHYLENE PIPE, PVC SDR-35, PVC SCH 40, PVC C-900, DIP). FOR CMP AND RGRCP STUB OUT A TWO FOOT PIPE MATERIAL SPECIFIED ABOVE AND CONNECT THEM TOGETHER WITH A CONCRETE COLLAR PER DETAIL 505.

BASIN SHALL BE MADE FROM ASTM D-3034 SWR PIPE

BACKFILL MATERIAL SHALL BE 701.2.1. BACKFILL MATERIAL SHALL BE PLACED UNIFORMLY IN 8" LIFTS AND COMPACTED TO A MINIMUM OF 95% STANDARD PROCTOR DENSITY, OR 1/2 SACK CLSM PER 728.

TOP VIEW

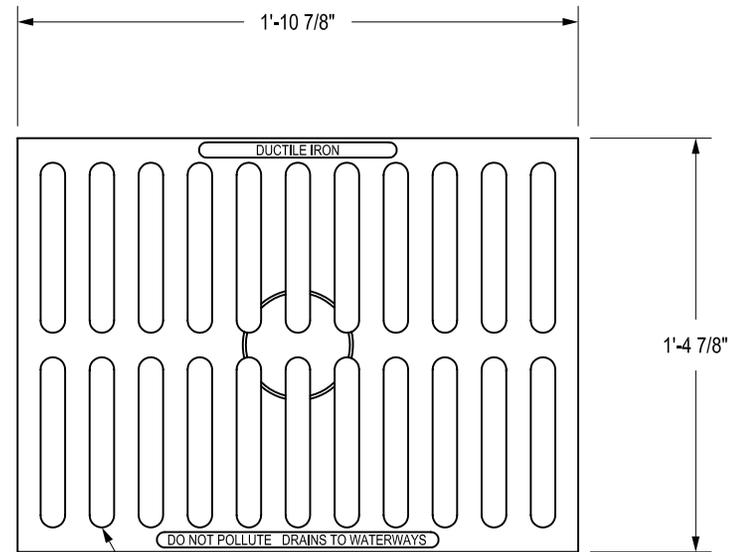




MATERIAL: DUCTILE IRON GRATE MEETING H-20 LOAD RATING & CONFORMING TO ASTM A536 GRADE 70-50-05
 ALL CASTINGS ARE FURNISHED WITH BLACK ENAMEL PAINT AND ZINC PLATED FASTENERS
 SLOPE OF GRATE SURFACE IS 5.2%
 CURB INLET FRAME INSIDE VOLUME IS APPROX 1.76 CU FT

GRATE MEETS H-20 LOAD RATED
MATERIAL: DUCTILE IRON SHALL CONFORM TO ASTM A536 GRADE 70-50-05.
PAINT: CASTINGS ARE FURNISHED WITH A BLACK ENAMEL PAINT.

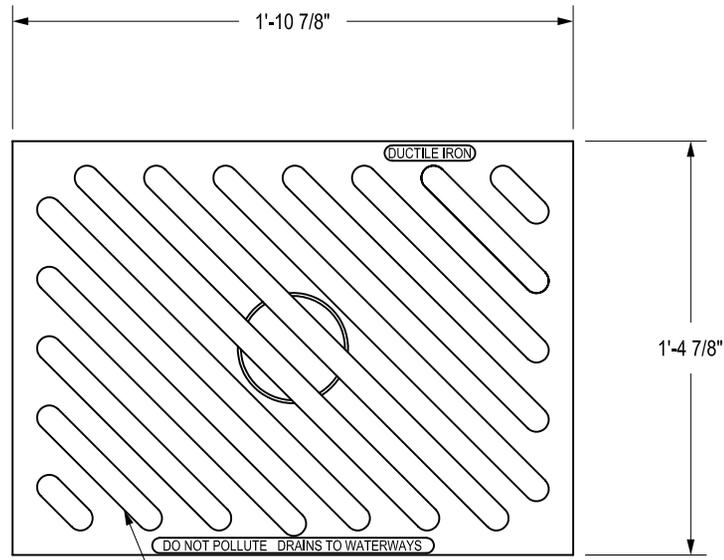
APPROX. DRAIN AREA OF GRATE = 146.18 SQ IN.
APPROX. DRAIN AREA OF GRATE & HOOD
LOWEST SETTING = 227.37 SQ IN
LOWEST + 1" SETTING = 248.25 SQ IN
LOWEST + 2" SETTING = 269.12 SQ IN
LOWEST + 3" SETTING = 290.00 SQ IN
HIGHEST SETTING = 310.87 SQ IN



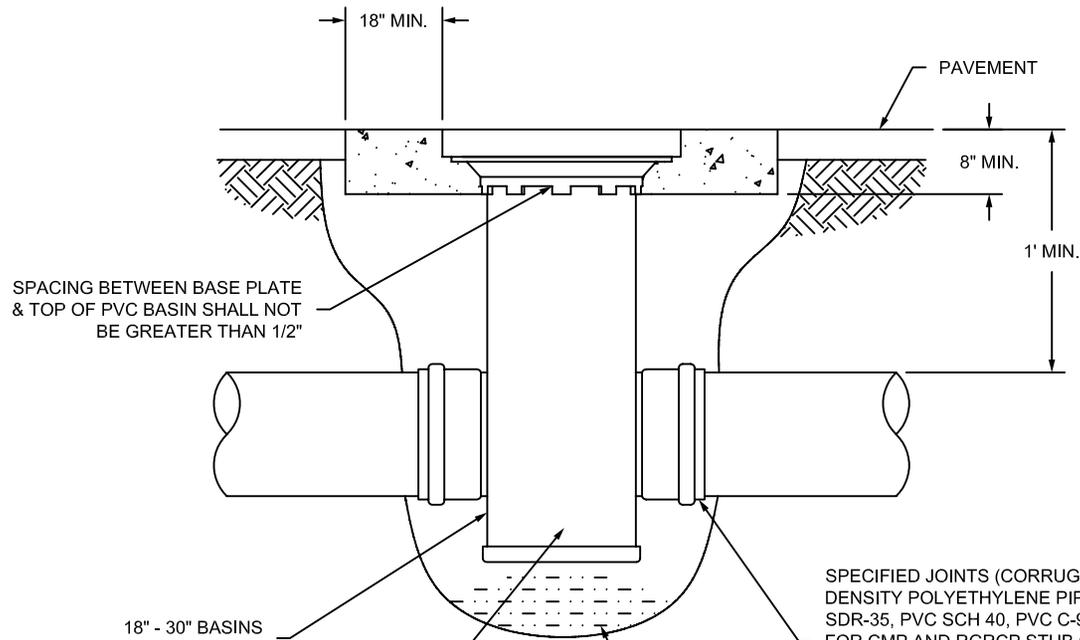
(22) X 1" GRATE SLOTS

GRATE MEETS H-20 LOAD RATING.
MATERIAL: DUCTILE IRON SHALL CONFORM TO ASTM A536 GRADE 70-50-05.
PAINT: CASTINGS ARE FURNISHED WITH A BLACK ENAMEL PAINT.

APPROX. DRAIN AREA OF GRATE = 146.70 SQ IN.
APPROX. DRAIN AREA OF GRATE & HOOD
LOWEST SETTING = 227.89 SQ IN
LOWEST + 1" SETTING = 248.77 SQ IN
LOWEST + 2" SETTING = 269.64 SQ IN
LOWEST + 3" SETTING = 290.52 SQ IN
HIGHEST SETTING = 311.39 SQ IN



(12) X 1" GRATE SLOTS



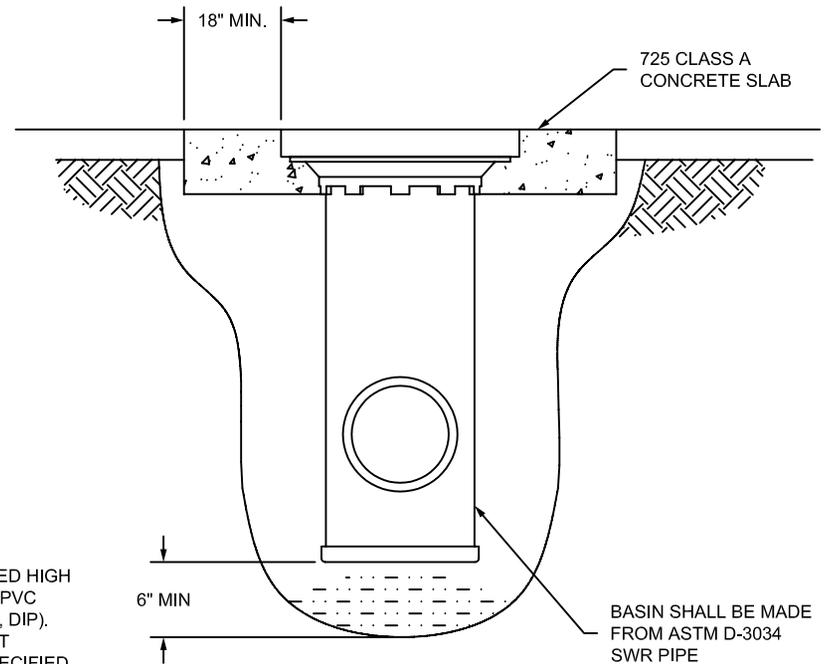
SPACING BETWEEN BASE PLATE & TOP OF PVC BASIN SHALL NOT BE GREATER THAN 1/2"

18" - 30" BASINS SPECIFIED SIZE ON PLANS

FILL SUMP WITH CONCRETE TO INVERT

SPECIFIED JOINTS (CORRUGATED HIGH DENSITY POLYETHYLENE PIPE, PVC SDR-35, PVC SCH 40, PVC C-900, DIP). FOR CMP AND RGRCP STUB OUT A TWO FOOT PIPE MATERIAL SPECIFIED ABOVE AND CONNECT THEM TOGETHER WITH A CONCRETE COLLAR PER DETAIL 505.

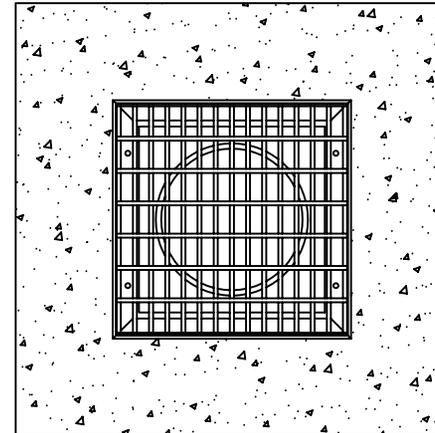
BACKFILL MATERIAL SHALL BE 701.2.1. BACKFILL MATERIAL SHALL BE PLACED UNIFORMLY IN 8" LIFTS AND COMPACTED TO A MINIMUM OF 95% STANDARD PROCTOR DENSITY, OR 1/2 SACK CLSM PER 728.



725 CLASS A CONCRETE SLAB

BASIN SHALL BE MADE FROM ASTM D-3034 SWR PIPE

TOP VIEW

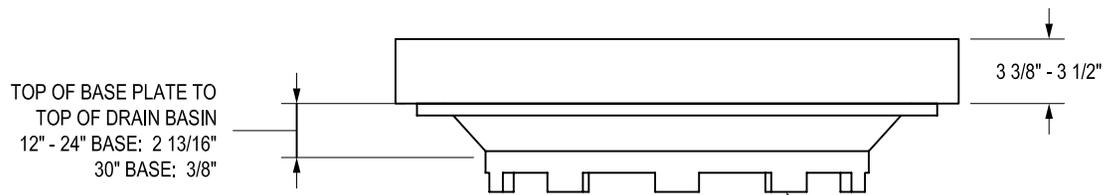
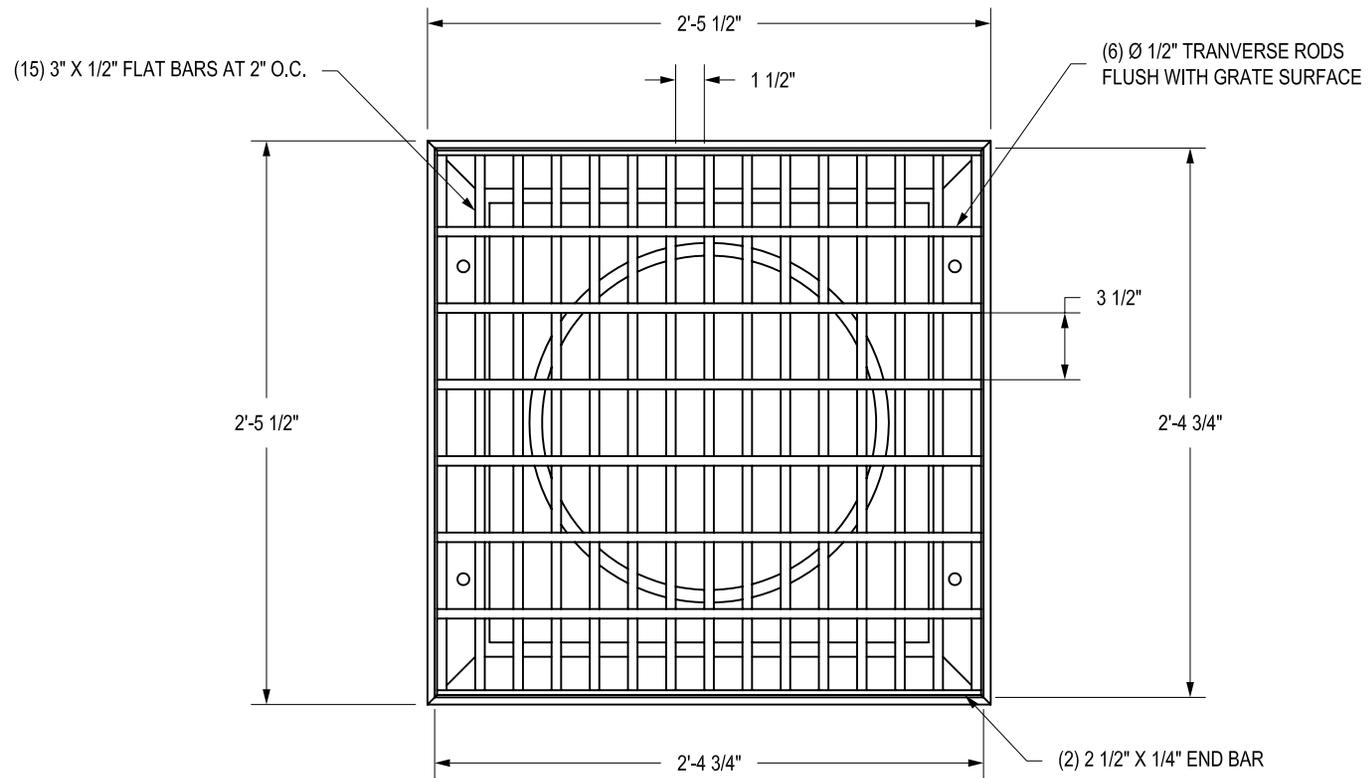


DETAIL NO.
537-2

CATCH BASIN - TYPE 'I'

REVISED

DETAIL NO.
537-2



GRATE MEETS H-20 LOAD RATING
 QUALITY: FRAME & GRATE MATERIALS SHALL CONFORM TO ASTM
 A-36 STEEL, BASE PLATE DUCTILE IRON MATERIALS SHALL CONFORM
 TO ASTM A536 GRADE 70-50-05
 APPROX. DRAIN AREA = 551.25 SQ IN
 ALL STRUCTURAL STEEL TO BE PAINTED ONE SHOP COAT OF NO.1
 PAINT AND TWO FIELD COATS OF NO. 10 PAINT AS PER SECT. 790 OR
 GALVANIZED. BASE PLATE ARE FURNISHED WITH BLACK ENAMEL
 PAINT AND ZINC PLATED FASTENERS.
 ALL WELDS ON FRAME AND SIDE BARS ON GRATE SHALL BE FULL
 LENGTH OF JOINT.

DETAIL NO.
539-2

GRATE FOR CATCH BASIN 'I'

REVISED

DETAIL NO.
539-2