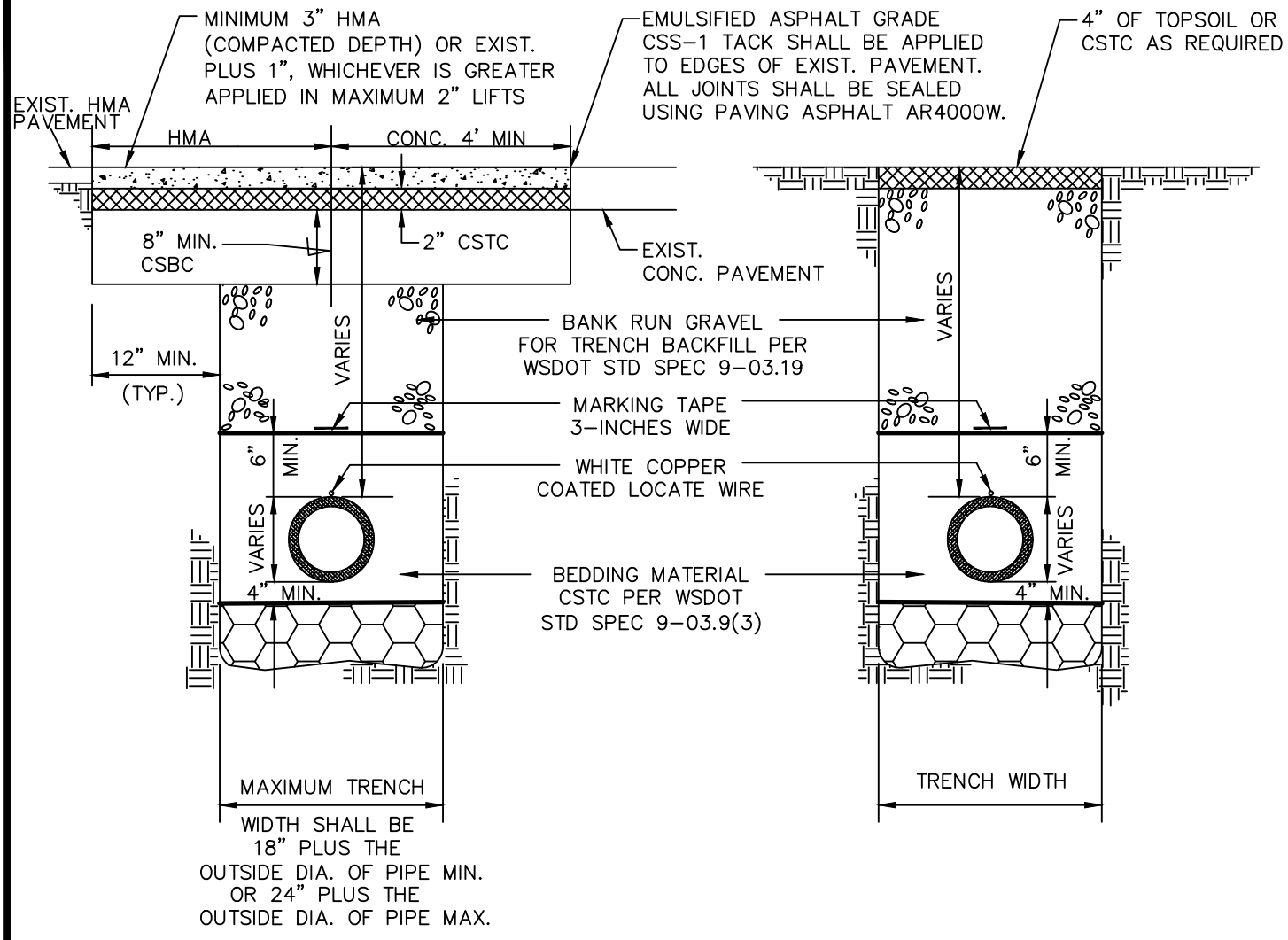
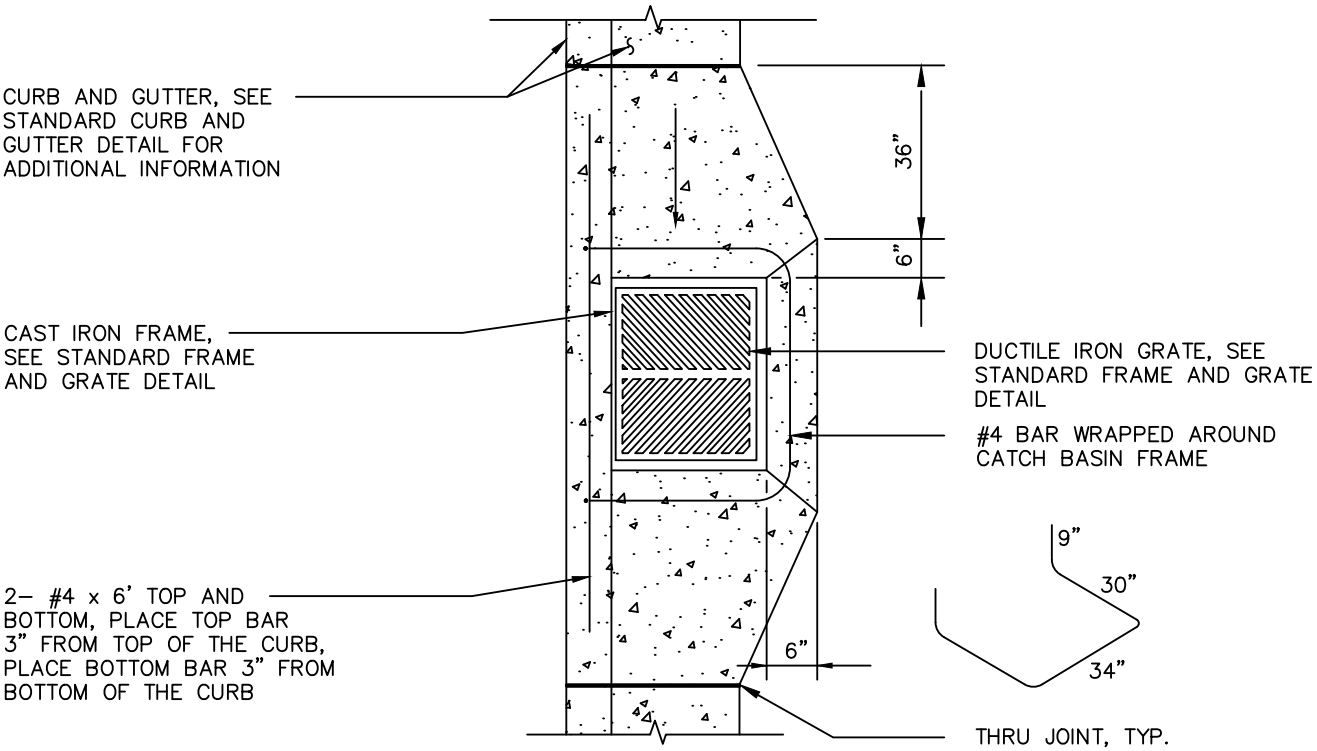


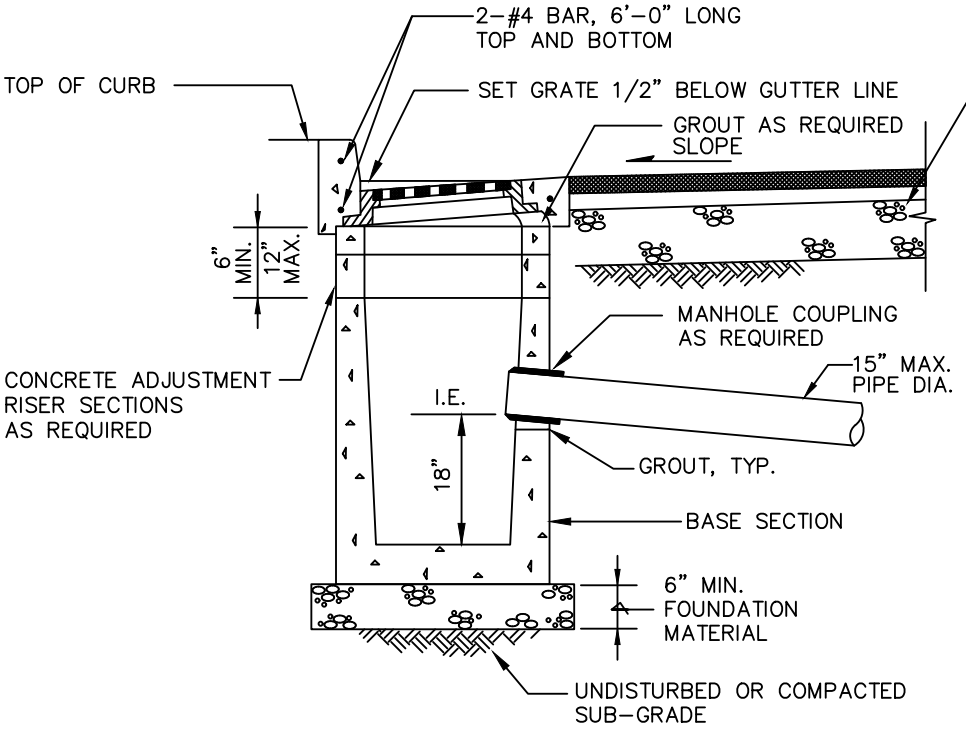
NOTES:

1. CSTC & CSBC MATERIAL SHALL BE COMPACTED IN 6-INCH MAXIMUM LIFTS TO 95% DENSITY.
2. COMPACTION: BEDDING SHALL BE COMPACTED TO 95% MAX. AS DETERMINED BY ASTM D1557. BACKFILL SHALL BE COMPACTED TO 95% IN THE ROADWAY PRISM, AND 85% OUTSIDE ROADWAY PRISM AS DETERMINED BY ASTM D1557.
3. ALL MATERIALS, WORKMANSHIP, AND INSTALLATION SHALL BE IN CONFORMANCE WITH THE STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION AS AMENDED BY CITY STANDARDS.
4. WHEN CUT LINE IS LESS THAN THREE FEET FROM A CUT LINE, CURB, JOINT LINE, OR PAVEMENT EDGE, THE EXISTING PAVEMENT SHALL BE REMOVED TO THE CUT LINE.

CITY OF CASTLE ROCK			
TRENCH – PAVEMENT RESTORATION			
APPROVED: Dan Vorna BY CITY		07-20-20 DATE	DWG. NO. CR001SW
DATE: 06/20	DRWN: KAR	CHKD: CLR	SCALE: NONE



PLAN



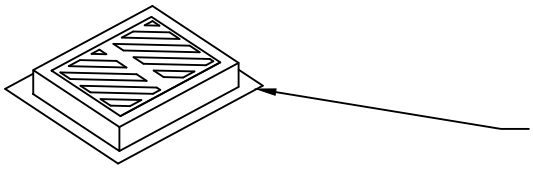
NOTES:

1. TYPE I CATCH BASIN PER WSDOT STD PLAN B–5.20 & TYPE IL CATCH BASIN PER WSDOT STD PLAN B–5.40
2. CATCH BASINS SHALL BE SPACED PER MINIMUM CITY DESIGN STANDARDS
3. TYPE I CATCH BASIN IS USED FOR DEPTHS LESS THAN 5'–0" FROM THE TOP OF THE GRATE TO I.E. (INVERT)

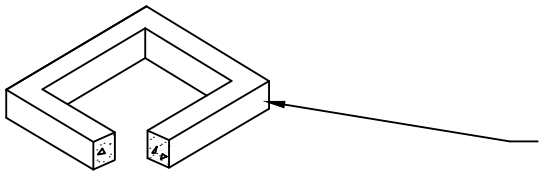
ELEVATION

CATCH BASIN TYPE I

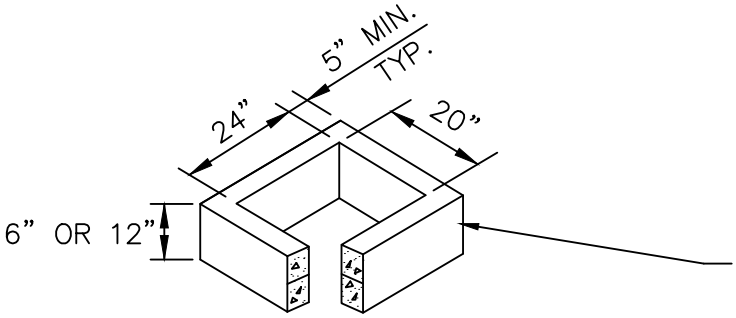
CITY OF CASTLE ROCK			
CATCH BASIN TYPE I			
APPROVED: Dan Vona BY CITY		07–20–20 DATE	DWG. NO. CR003SW
DATE: 11/19	DRWN: W.M.	CHKD: C.L.R.	SCALE: NONE



FRAME AND OPEN GRATE, VANED GRATE, OR SOLID COVER.



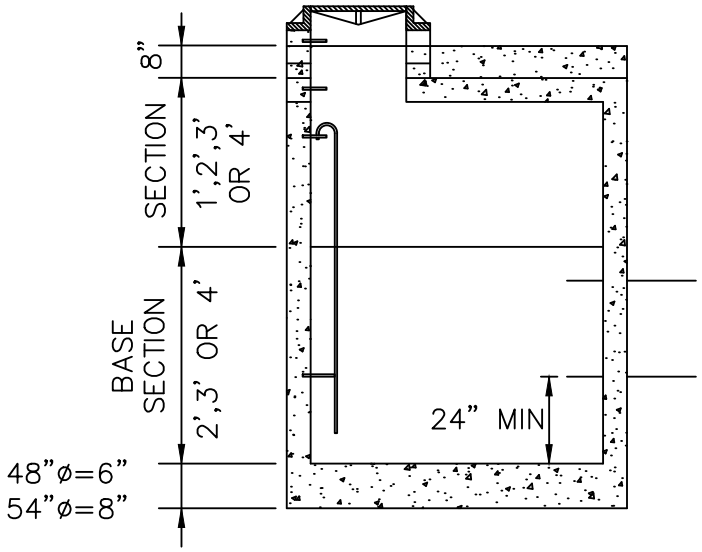
2"x4"x8" SOLID BRICK USED FOR FINAL ADJUSTMENT TO GRADE 6" HIGH MAX.



TOP SLAB WITH 24" ROUND ACCESS OR 20"x24" RECTANGULAR ACCESS, USE SEWER STANDARD. DETAIL 640 FOR STEPS AND LADDER.

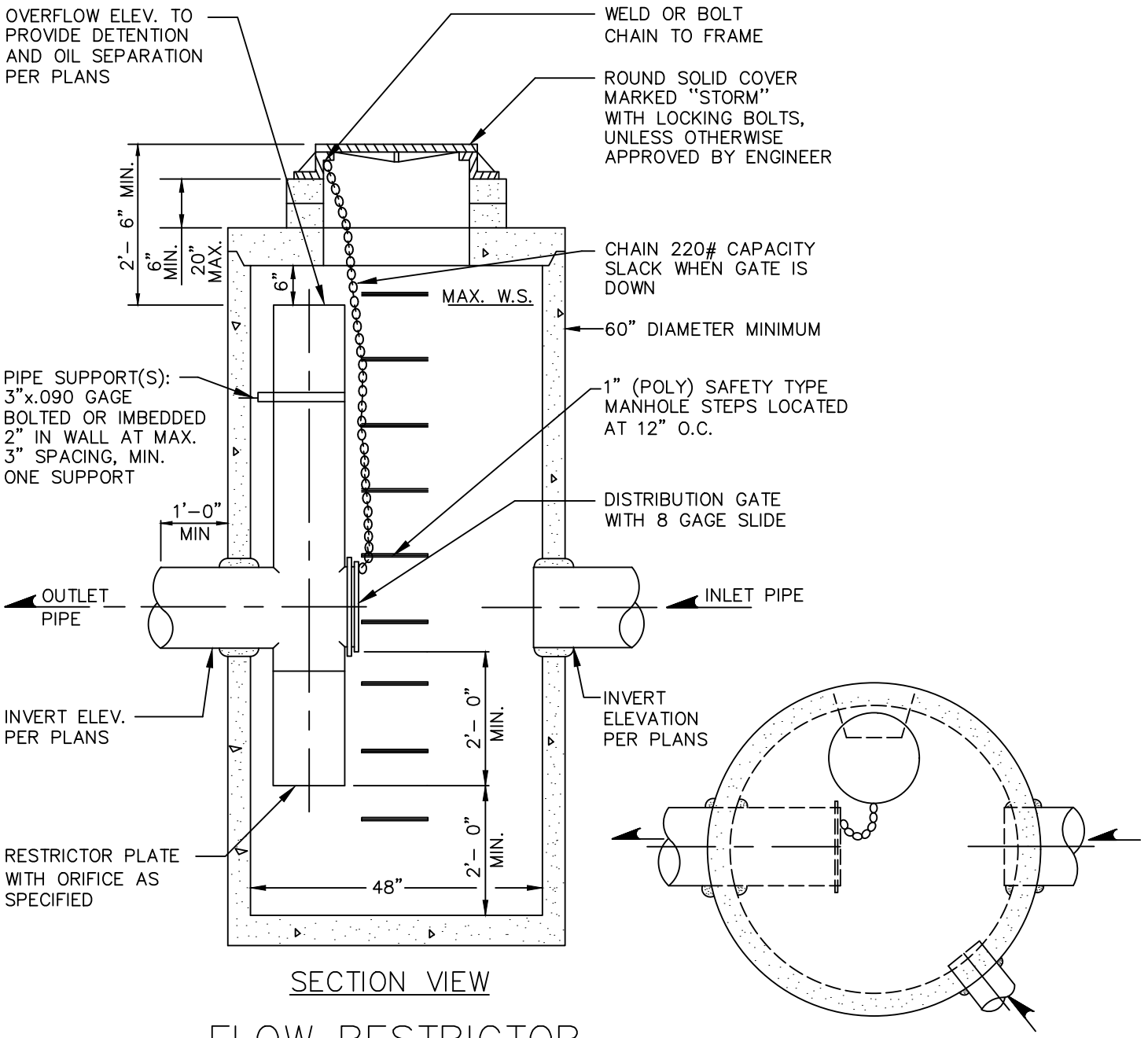
NOTES:

1. TYPE 2 CATCH BASIN PER WSDOT STD PLAN B-10.20
2. ALL TYPE 2 CB'S EQUIPPED WITH OPEN GRATES SHALL BE LOCKING TYPE.
3. ALL TYPE 2 CB'S NOT IN PAVED AREAS SHALL BE EQUIPPED WITH LOCKING LIDS.
4. ALL TYPE II CB'S SHALL BE EQUIPPED WITH STEPS AND LADDER.
5. CB'S SHALL BE SET SO THAT STEPS ARE DIRECTLY UNDER OPENING.
6. CONCRETE SHALL BE CLASS 4000.
7. MINIMUM DISTANCE FROM INVERT TO CB BOTTOM SHALL BE 2.0'.
8. CB SECTIONS AND LID WILL BE HS20 TRAFFIC LOAD CERTIFIED BY MFG.
9. HOLE SIZE - PIPE O.D. + 5" MAX
   MAX HOLE SIZE - 36" (28" CB)
   MAX HOLE SIZE - 42" (54" CB)



CATCH BASIN TYPE 2

CITY OF CASTLE ROCK			
CATCH BASIN TYPE 2			
APPROVED: Dan Vona BY CITY — 07-20-20 DATE			DWG. NO. CR004SW
DATE: 11/19	DRWN: W.M.	CHKD: C.L.R.	SCALE: NONE



SECTION VIEW

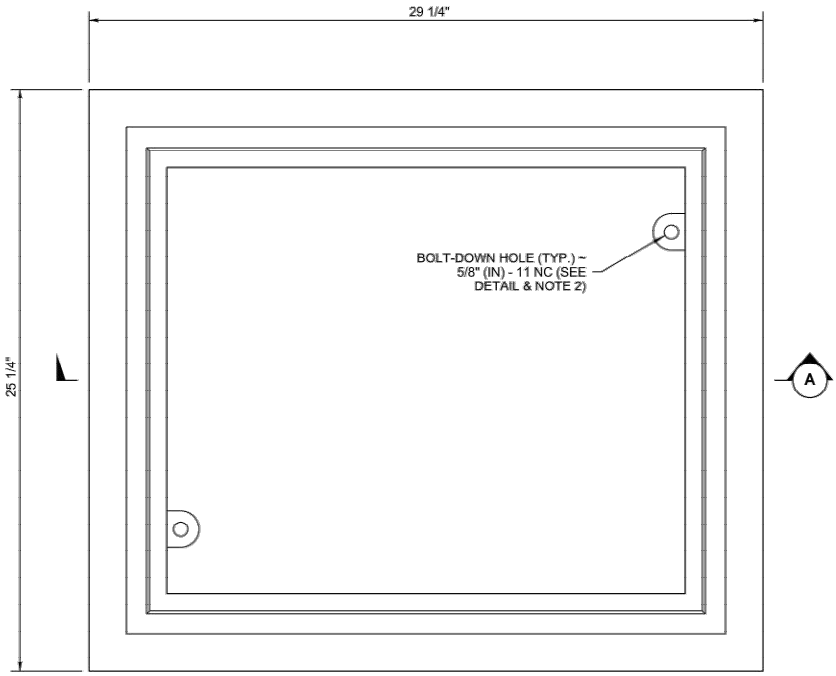
PLAN VIEW

FLOW RESTRICTOR CATCH BASIN TYPE 2

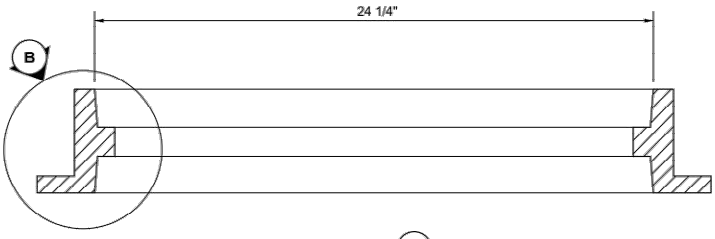
NOTES:

1. PIPE SIZES AND SLOPES: PER APPROVED PLANS
2. OUTLET CAPACITY: NOT LESS THAN COMBINED INLETS
3. METAL PARTS: CORROSION RESISTANT. GALVANIZED PIPE PARTS TO HAVE ASPHALT TREATMENT 1
4. FRAME AND LADDER OR STEPS OFFSET SO:
   A. CLEANOUT GATE IS VISIBLE FROM TOP
   B. CLIMB-DOWN SPACE IS CLEAR OF RISER AND CLEANOUT GATE
   C. FRAME IS CLEAR OF CURB
5. IF METAL OUTLET PIPE CONNECTS TO CEMENT CONCRETE PIPE: OUTLET PIPE TO HAVE SMOOTH O.D. EQUAL TO CONCRETE PIPE I.D. LESS 1/4"

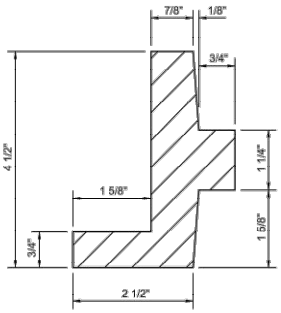
CITY OF CASTLE ROCK			
FLOW RESTRICTOR CATCH BASIN TYPE 2			
APPROVED: Dan Vana BY CITY		07-20-20 DATE	DWG. NO. CR005SW
DATE: 11/19	DRWN: W.M.	CHKD: C.L.R.	SCALE: NONE



TOP

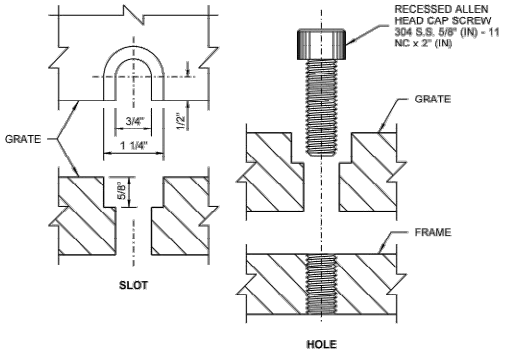


SECTION (A)

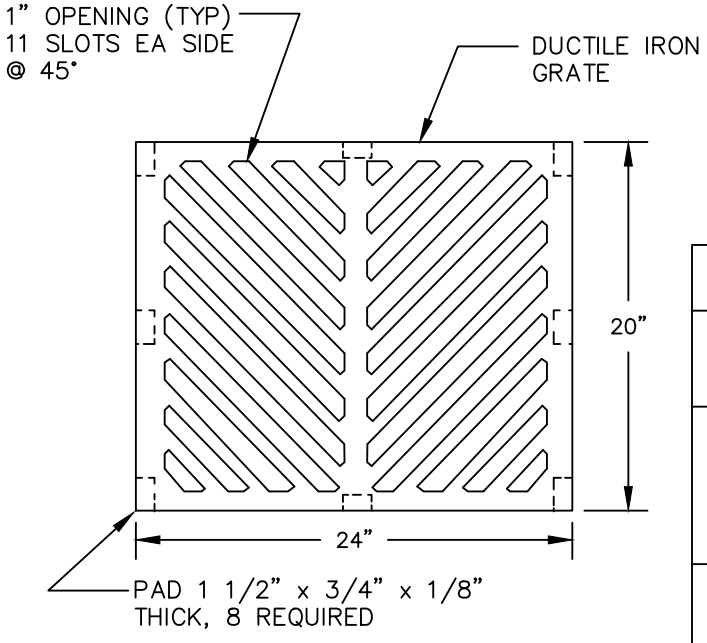


DETAIL (B)

1. This frame is designed to accommodate 20" (in) × 24" (in) grates or covers as shown on **Standard Plans B-30.20, B-30.30, B-30.40,** and **B-30.50.**
2. Bolt-down capability is required on all frames, grates, and covers, unless specified otherwise in the Contract. Provide 2 holes in the frame that are vertically aligned with the grate or cover slots. The frame shall accept the 304 Stainless Steel (S.S.) 5/8" (in) - 11 NC × 2" (in) allen head cap screw by being tapped, or other approved mechanism. Location of bolt-down holes varies by manufacturer.
3. Refer to **Standard Specification Section 9-05.15** and **9-05.15(2)** for additional requirements.



BOLT-DOWN DETAILS
SEE NOTE 2



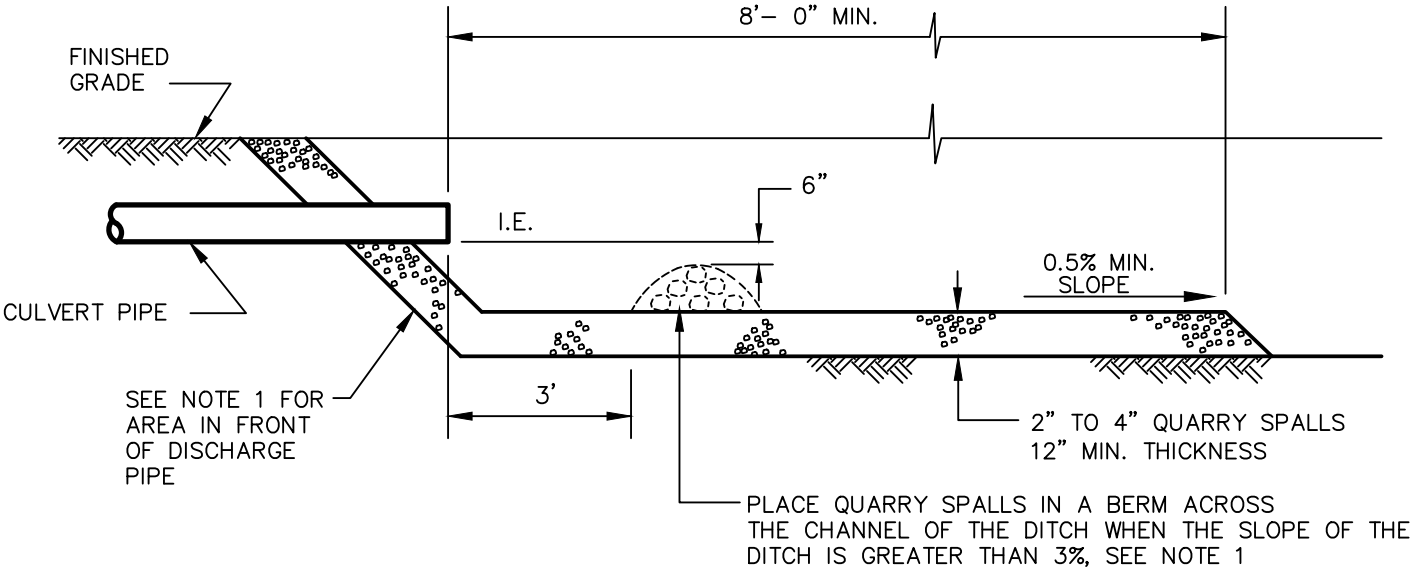
NOTES:

1. MATERIAL SHALL CONFORM TO THE MOST CURRENT STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION" PREPARED BY THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION AND AMERICAN PUBLIC WORKS ASSOCIATION, WASHINGTON STATE CHAPTER.
2. WHEN ROAD PROFILE PER WSDOT STD PLAN B-30.30, EXCEEDS 6%, "VANED" GRATES SHALL BE INSTALLED IN LIEU OF THE "HERRING BONE" GRATE, AT THE DISCRETION OF THE CITY.

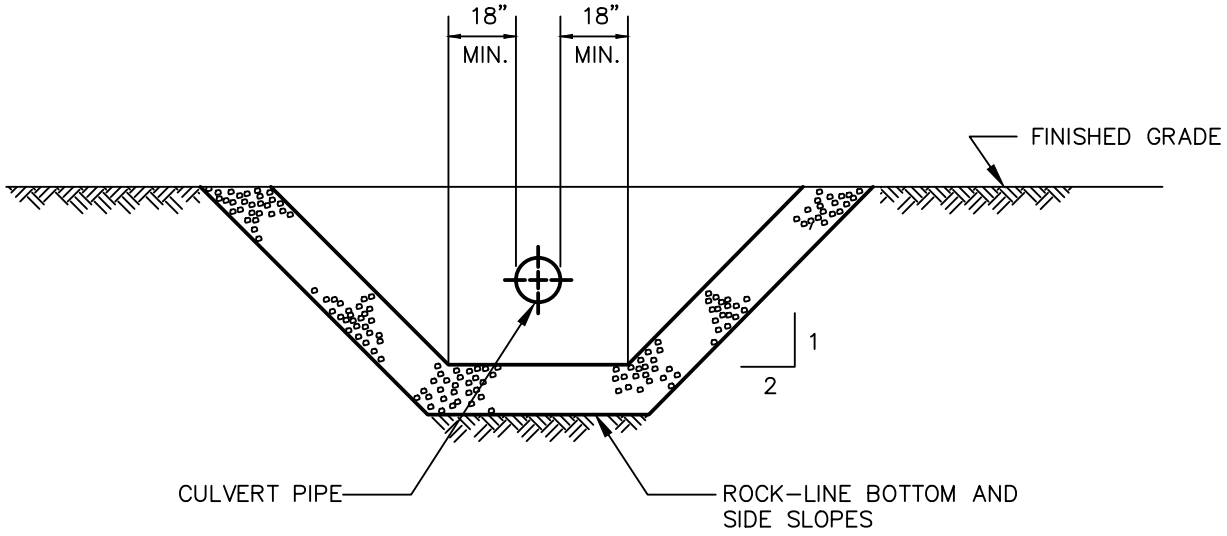
CITY OF CASTLE ROCK

CATCH BASIN FRAME AND GRATE

APPROVED: Dan Norris BY CITY — 07-20-20 DATE			DWG. NO. CR006SW
DATE: 12/19	DRWN: W.M.	CHKD: C.L.R.	SCALE: NONE



SIDE VIEW



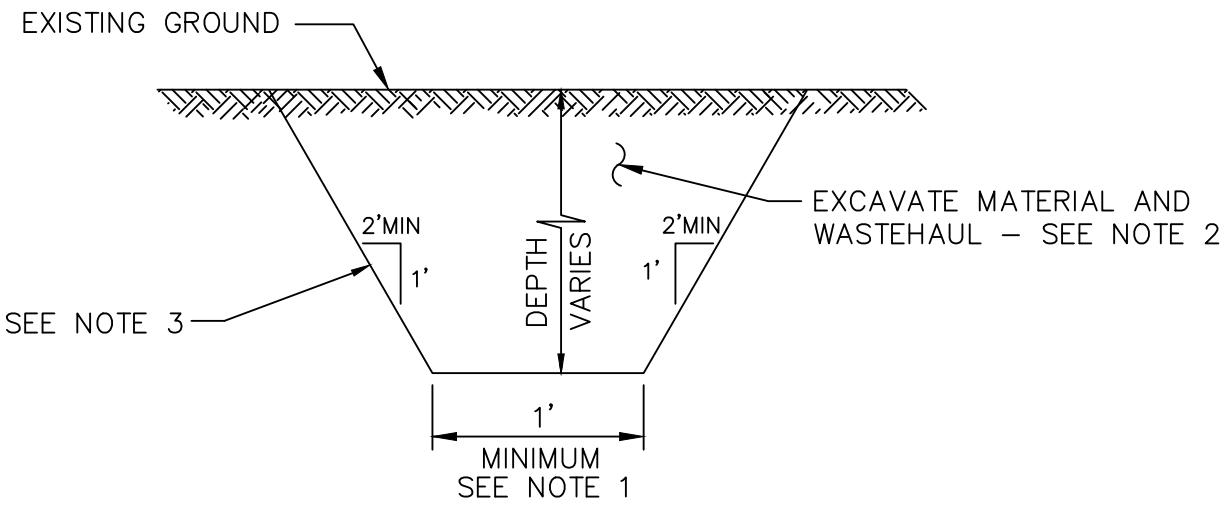
FRONT VIEW

NOTES:

1. PLACE QUARRY SPALLS IN FRONT OF CULVERT DISCHARGE, ENGINEER SHALL SIZE QUARRY SPALL BERM

RIPRAP AND ENERGY DISSIPATION FOR DITCH

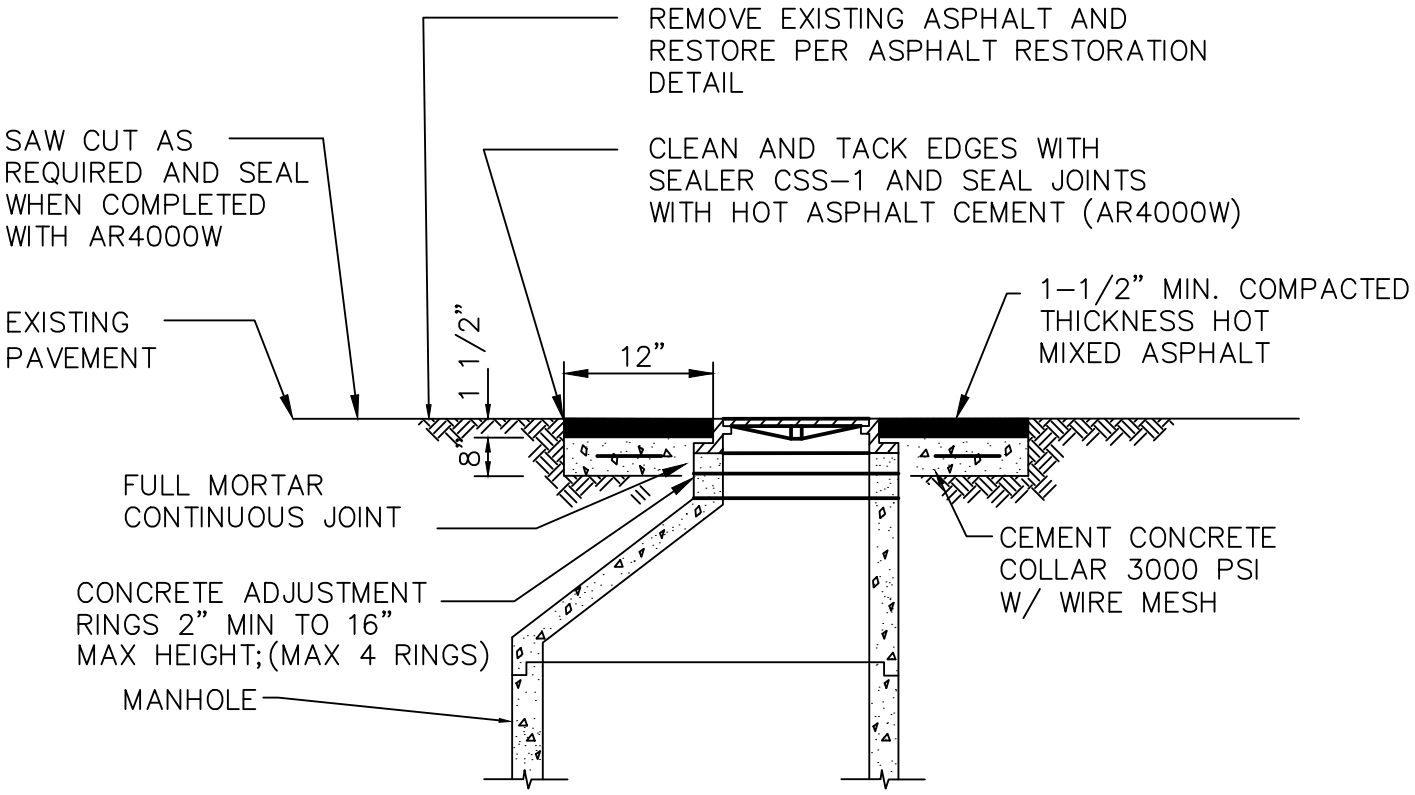
CITY OF CASTLE ROCK			
RIPRAP AND ENERGY DISSIPATION FOR DITCH			
APPROVED: Dan Vona BY CITY	07–20–20 DATE		DWG. NO. CR007SW
DATE: 11/19	DRWN: W.M.	CHKD: C.L.R.	SCALE: NONE



NOTES:

1. NEW DITCH CONTOUR LINE. PROVIDE A CONSTANT SLOPE IN DITCH BETWEEN CULVERTS TO PROVIDE PROPER DRAINAGE.
2. INSTALL RIP–RAP OR QUARRY SPALLS AS REQUIRED BY THE CITY ENGINEER TO STABILIZE SIDE WALLS AND BOTTOM.
3. DITCH SLOPE ADJACENT TO ROADWAYS SHALL NOT BE STEEPER THAN 4:1

CITY OF CASTLE ROCK			
NEW DITCH CONSTRUCTION			
APPROVED: Dan Vona BY CITY		07–20–20 DATE	DWG. NO. CR008SW
DATE: 11/19	DRWN: W.M.	CHKD: C.L.R.	SCALE: NONE



CITY OF CASTLE ROCK			
MANHOLE, OR CATCH BASIN (TYPE II) GRADE ADJUSTMENT DETAIL			
APPROVED: Dan Vona BY CITY — 07-20-20 DATE			DWG. NO. CR009SW
DATE: 11/19	DRWN: W.M.	CHKD: C.L.R.	SCALE: NONE