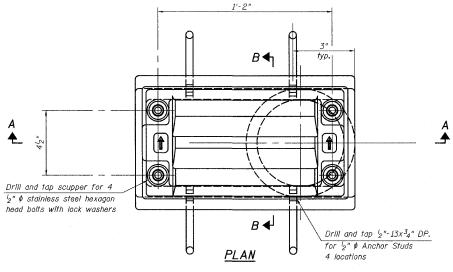
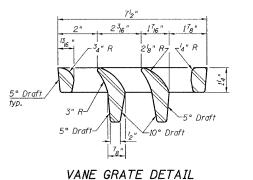
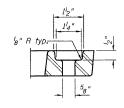
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION







BOLT HOLE DETAIL

All cast iron parts shall be gray iron conforming to the

requirements of AASHTO M 105, Class 35B.

Bolts, anchor studs, washers and nuts shall conform to the requirements of ASTM A 307 and shall be galvanized according

to AASHTO M 232.

Downspouts located on the exterior side of a painted steel fascia beam shall be painted with the finish coat specified for

the exterior side of the fascia beam.

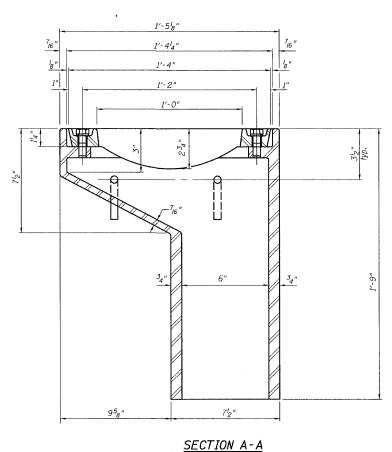
As an alternate, bolts, anchor studs, washers and nuts may be stainless steel according to Article 1006.29(d) of the Standard

Specifications.
Structural steel weldments of equal sections and of the same configuration may be substituted for the cast iron scupper frame. Fillet or full penetration welds shall be used for the weldments. Details shall be submitted to the Engineer for approval. Structural steel weldments shall not be substituted for the cast iron scupper grate. Structural steel frames and downspouts shall be galvanized according to AASHTO M111.

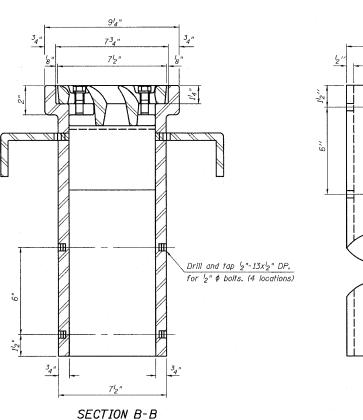
The Contractor shall take appropriate measures to assure that Protective Coat is not applied to the scupper.

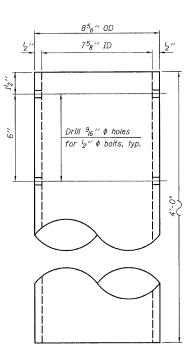
Cost of the Grate, Frame, Downspout, Anchor Studs, Bolts, Washers and Nuts including complete installation of the scupper shall be paid for at the contract unit price each for Drainage Scupper, DS-11.

Alternate fiberglass downspout conforming to ASTM D 2996 with a short-time rupture strength hoop tensile stress of 30,000 psi min. may be used in lieu of the cast iron or steel equivalent.

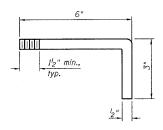


See Sheet S16 for scupper location relative to median





DOWNSPOUT



ANCHOR STUD DETAIL

BILL OF MATERIAL

ITEM	UNIT	QUANTITY					
Drainage Scupper, DS-11	Each	4					

DRAINAGE SCUPPER, DS-11 IL. ROUTE 56 OVER WEST BRANCH DUPAGE RIVER F.A.P. RTE. 365 SECTION (58&59) WRS-3 **DUPAGE COUNTY** STA. 192+38.00 STRUCTURE NO. 022-2027

DESIGNED CHECKED DRAWN CHECKED

CHRISTIAN_ROGE & ASSOCIATES INC. ENGINEERS-PLANNERS-SURVEYORS
211 WEST WACKER DRIVE
CHICAGO, ILLINOIS 60606 PHONE: (312)372-2023 FAX: (312)372-5274

HEET NO. S19	F.A. RTE.	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.
	365	(58&59) WRS-3		DuPAGE	466	225
643 SHEETS				CONTRACT	NO. 62	420
		ILLINOIS	FED. A	ID PROJECT		