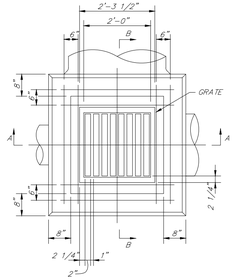
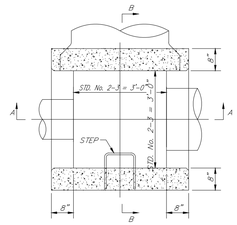


PLAN
NTS



SECTION C-C
NTS

GRATING – THE DESIGN SHALL BE ESSENTIALLY THE SAME AND EQUALLY AS STRONG AS THE ONE SHOWN HEREON.
MINIMUM WEIGHT 120 POUNDS

CONCRETE – CAST-IN-PLACE, TO BE CLASS C. ALL PRECAST CONCRETE SHALL MEET THE REQUIREMENTS OF 706.13 WITH 6 ±2% AIR VOID CONTENT IN THE HARDENED CONCRETE AND BE MARKED WITH THE CATCH BASIN NUMBER.

REINFORCING – IN THE TOP TO BE No. 4 BARS 6" CENTER TO CENTER. FOR STANDARD No. 2-3 USE 8 BARS.

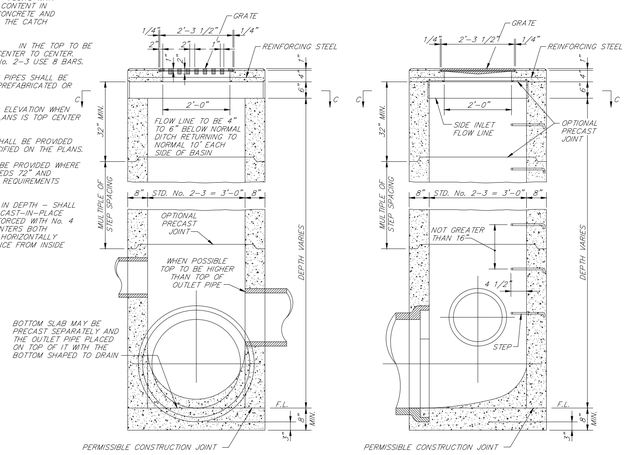
OPENINGS – FOR PIPES SHALL BE O.D. +2" WHEN PREFABRICATED OR FIELD CUT.

LOCATION – AND ELEVATION WHEN GIVEN ON THE PLANS IS TOP CENTER OF THE GRATE.

SIDE INLETS – SHALL BE PROVIDED ONLY WHEN SPECIFIED ON THE PLANS.

STEPS – SHALL BE PROVIDED WHERE THE DEPTH EXCEEDS 72" AND SHALL MEET THE REQUIREMENTS OF DDOT MH-3.

INLETS OVER 12' IN DEPTH – SHALL BE PRECAST OR CAST-IN-PLACE CONCRETE, REINFORCED WITH No. 4 BARS ON 12" CENTERS BOTH VERTICALLY AND HORIZONTALLY WITH 2" CLEARANCE FROM INSIDE WALL FACE.



SECTION A-A
NTS

SECTION B-B
NTS

STANDARD INLET - 3' X 3'
N.T.S.

The patented Dandy Bag is designed for use with flat grates (including round) and mountable curbs to detain sediment-laden storm water. The suspended solids are allowed to settle out of the slowed flow prior to entering the Dandy Bag .

Installation

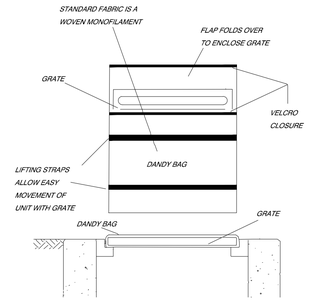
1. *Stand the grate on end*
2. *Place the Dandy Bag over the grate*
3. *Roll the grate over so that the open end is up*
4. *Pull up the slack*
5. *Tuck the flap in*
6. *Press the velcro strips together*
7. *Be sure that the end of the grate is completely covered by the flap or the Dandy Bag will not work properly*
8. *Holding the handles, carefully place the Dandy Bag with the grate inserted into the catch basin frame*

Maintenance

To insure proper operation remove silt, sediment, and debris from the surface and the vicinity of the unit with a square point shovel or stiff bristle broom away from environmentally sensitive areas and waterways in manner satisfactory to the engineer/inspector. Remove fine material from inside Dandy Bag as needed. Dispose of Dandy Bag no longer in use at an appropriate recycling or solid waste facility.

Inlet Inspection

To inspect inlet, remove Dandy Bag with grate inside, inspect catch basin and replace Dandy Bag back into grate frame.

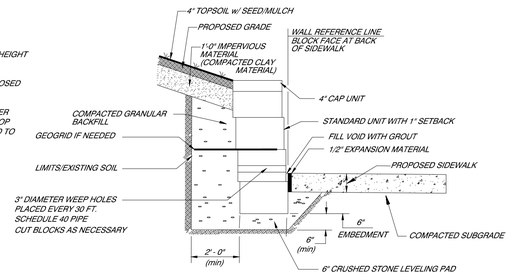


PONDING IS LIKELY IF SEDIMENT IS NOT REMOVED REGULARLY. THE DANDY BAG MUST NEVER BE USED WHERE OVERFLOW MAY ENDANGER AND EXPLOSED SLOPE. THE DANDY BAG IS NOT INTENDED FOR ANY OTHER USE AND SHOULD NOT BE USED FOR ANY OTHER PURPOSE.

DANDY BAG DETAIL
N.T.S.

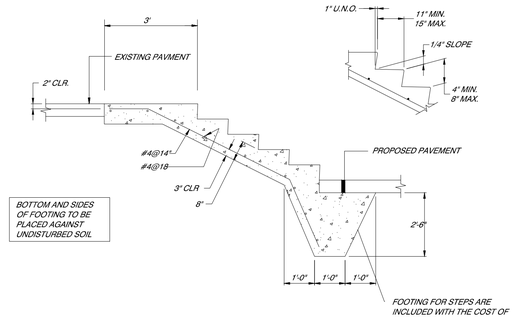
NOTES:

1. CONSTRUCTION OF THE WALL SYSTEM SHALL STRICTLY FOLLOW THE GUIDELINES AND REQUIREMENTS OF THE MANUFACTURE.
2. SEE PLAN AND CROSS SECTIONS FOR LIMITS/HEIGHT OF WALL.
3. THE BID QUANTITY IS MEASURED ON THE EXPOSED SQUARE FOOTAGE OF THE VERTICAL FACE.
4. THE WALL MUST BE DESIGNED BY AN ENGINEER REGISTERED IN THE STATE OF KENTUCKY. SHOP DRAWINGS OF THE WALL MUST BE SUBMITTED TO ENGINEER FOR REVIEW.

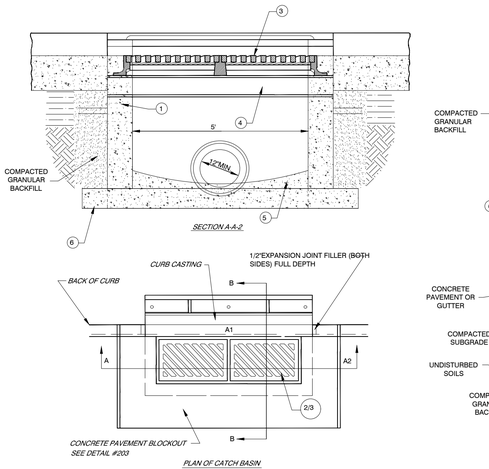


MODULAR BLOCK WALL DETAIL
N.T.S.

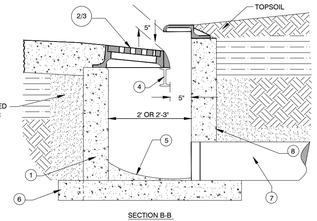
DIMENSIONAL UNIFORMITY: THERE SHALL NOT BE VARIATION EXCEEDING 3/16" IN THE DEPTH OF ADJACENT TREADS OR IN THE HEIGHT OF ADJACENT RISERS. THE TOLERANCE BETWEEN THE LARGEST AND SMALLEST RISER OR BETWEEN THE LARGEST AND SMALLEST TREAD SHALL NOT EXCEED 3/8" IN ANY FLIGHT OF STAIRS.



CONCRETE STEPS DETAIL
N.T.S.

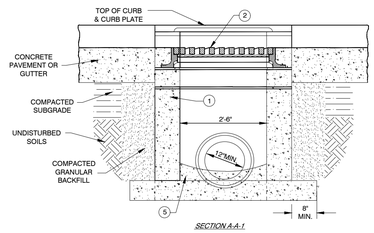


SECTION A-A-2



SECTION B-B

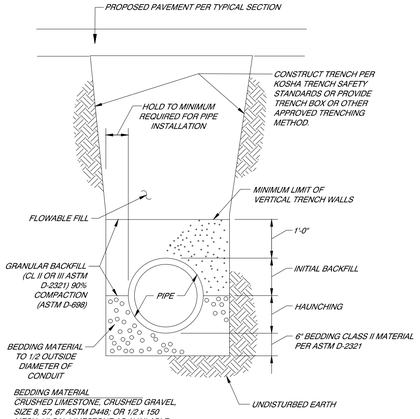
PLAN OF CATCH BASIN



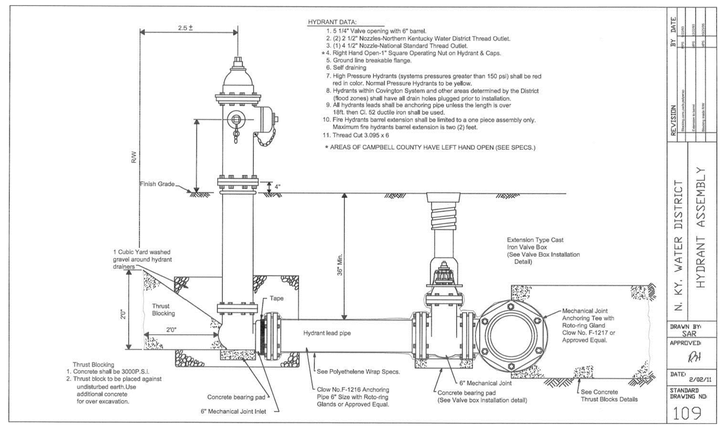
SECTION A-A-1

1. CONCRETE BRICK OR SLAB BLOCK MAY BE USED IN PLACE OF PRECAST OR CAST IN PLACE CONCRETE. BLOCK OR BRICK SIDEWALLS SHALL BE 8" NOMINAL THICKNESS W/ HORIZONTAL REINFORCEMENT EVERY 16 INCHES. PARGE WITH 1/2" MORTAR, INSIDE AND OUT.
2. SINGLE INLET: FRAME, GRATE AND CURB PLATE - NEENAH R-3289-HV OR APPROVED EQUAL.
3. DOUBLE INLET: FRAME, GRATE AND CURB PLATE - NEENAH R-3288-HV2 OR APPROVED EQUAL.
4. 5-6 X 12.5 X 6' STEEL BEAM (USE WITH SEPERATE OR BOLTED INLETS).
5. 4" MIN. DEPTH 4000 PSI AE CONCRETE WITH SCRIBED INVERT.
6. 6" MIN. DEPTH 4000 PSI AE CONCRETE EXTENDED MIN. 8" BEYOND EXTERIOR OF BOX.
7. 12" MINIMUM DIAMETER PIPE.
8. SEAL ALL LIFTING HOLES AND JOINTS (INSIDE & OUT).

STANDARD CURB INLET
N.T.S.



TRENCH DETAIL - STREET AREA
N.T.S.



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SEAL

DETAIL SHEET 2

PROJECT TITLE
MADISON PIKE SIDEWALK PHASE 5
CITY OF INDEPENDENCE, KY

REVISIONS

NO	DATE	BY	DESCRIPTION

SCALE	DATE
N.T.S.	02/07/19
DRAWN BY	PROJECT MGR
RSEI	MHEL
PROJECT NO.	FLAT FILE
150595	KY-A9

DRAWING No.
DTL2

SHEET 3 OF 13

02/01/19 - 09:29am - TAG DETAILS
H:\Projects\150595 Madison Pike Sidewalk\CAD\DTL\150595 2019_01_04.DWG