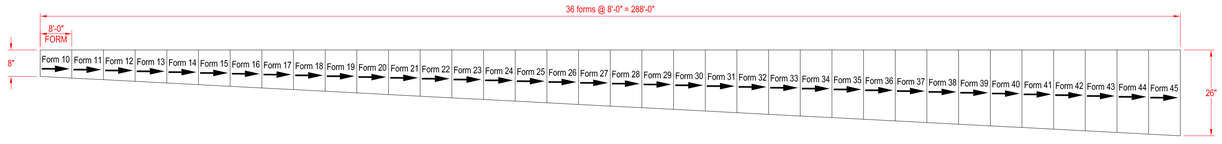
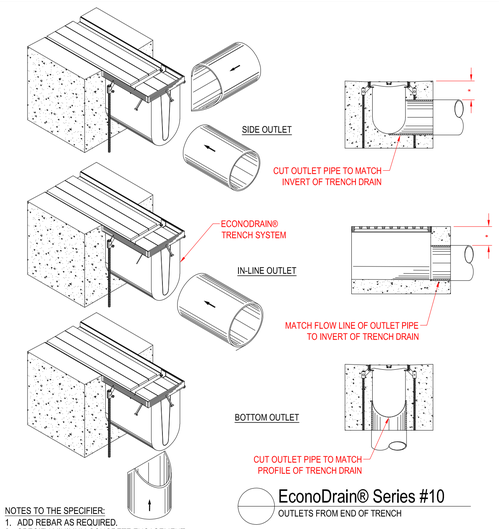


EconoDrain® Series #10
STANDARD EPS FORMS

	EPS FORM	DEPTH MIN	DEPTH MAX	FLOW GPM
SHALLOW EPS FORMS	10	8"	8 1/2"	606
	11	8 1/2"	9"	671
	12	9"	9 1/2"	736
	13	9 1/2"	10"	803
	14	10"	10 1/2"	869
	15	10 1/2"	11"	937
	16	11"	11 1/2"	1004
	17	11 1/2"	12"	1072
	18	12"	12 1/2"	1140
	19	12 1/2"	13"	1209
	20	13"	13 1/2"	1277
	21	13 1/2"	14"	1346
	22	14"	14 1/2"	1415
	23	14 1/2"	15"	1484
DEEP EPS FORMS	24	15"	15 1/2"	1554
	25	15 1/2"	16"	1623
	26	16"	16 1/2"	1693
	27	16 1/2"	17"	1762
	28	17"	17 1/2"	1832
	29	17 1/2"	18"	1902
	30	18"	18 1/2"	1972
	31	18 1/2"	19"	2042
	32	19"	19 1/2"	2113
	33	19 1/2"	20"	2183
	34	20"	20 1/2"	2253
	35	20 1/2"	21"	2324
	36	21"	21 1/2"	2394
	37	21 1/2"	22"	2465
	38	22"	22 1/2"	2535
	39	22 1/2"	23"	2606
	40	23"	23 1/2"	2676
	41	23 1/2"	24"	2747
	42	24"	24 1/2"	2818
	43	24 1/2"	25"	2889
	44	25"	25 1/2"	2959
	45	25 1/2"	26"	3030

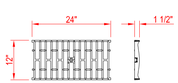
EPS FORM CHART



EconoDrain® Series #10
OUTLETS FROM END OF TRENCH

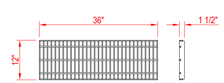
NOTES TO THE SPECIFIER:
1. ADD REBAR AS REQUIRED.
2. SPECIFY MINIMUM CONCRETE ENCASEMENT.
3. 4" MINIMUM CONCRETE COVERAGE OF OUTLET PIPE IS RECOMMENDED (LABELED WITH *).
4. FINAL CONCRETE THICKNESS PER LOCAL ENGINEERING REGULATIONS AND GUIDELINES.

CONSTRUCTION NOTES:
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS.
2. SECURE OUTLET PIPE PRIOR TO CONCRETING OPERATIONS.
3. FOR ILLUSTRATION ONLY - DO NOT SCALE



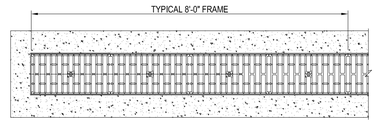
- STANDARD -

DUCTILE IRON GRATE
#EG-1224-1DI-A
64.8% OPEN AREA
93.3 SQ INCHES PER LINEAR FOOT

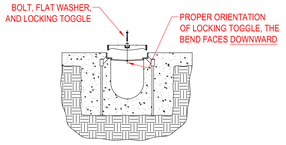


BANDED BAR GRATE
#EG-1236-HPBG - SHOP BLACK
#EG-1236-HGBG - GALVANIZED
#EG-1236-HSBG - STAINLESS
67.5% OPEN AREA
97.3 SQ INCHES PER LINEAR FOOT

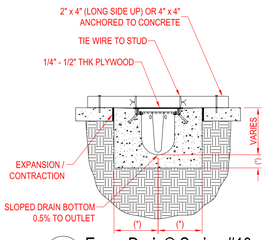
EconoDrain® Series #10
GRATE SELECTION



EconoDrain® Series #10
FINISHED PLAN VIEW

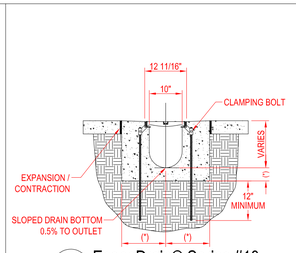


EconoDrain® Series #10
GRATE LOCKING DEVICE INSTALLATION



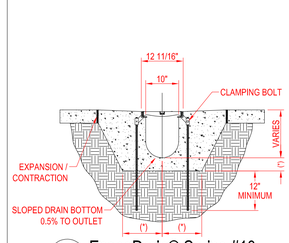
EconoDrain® Series #10
SUSPENDING FORMERS FROM EXISTING SLAB

NOTES TO THE SPECIFIER:
1. ADD REBAR AS REQUIRED
2. SPECIFY REQUIRED DIMENSIONS LABELED WITH (*) USING 6" EACH SIDE OF STEEL RAIL AND BELOW EPS FORM AS A RECOMMENDED MINIMUM.
3. SHOW TOP OF GRATE ELEVATION IN PLAN VIEW
4. EXPANSION / CONTRACTION JOINT PER LOCAL ENGINEERING REGULATIONS AND GUIDELINES
5. STANDARD CHANNEL LENGTH IS 8'-0" (96")
6. STANDARD CHANNEL SLOPE IS 0.5%



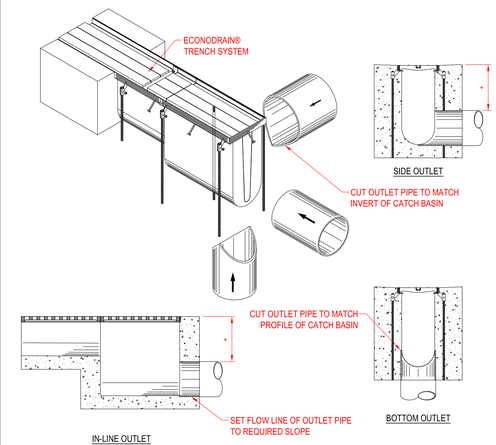
EconoDrain® Series #10
SAWCUT EXISTING SLAB INSTALLATION DETAIL

NOTES TO THE SPECIFIER:
1. ADD REBAR AS REQUIRED
2. SPECIFY REQUIRED DIMENSIONS LABELED WITH (*) USING 6" EACH SIDE OF STEEL RAIL AND BELOW EPS FORM AS A RECOMMENDED MINIMUM.
3. SHOW TOP OF GRATE ELEVATION IN PLAN VIEW
4. EXPANSION / CONTRACTION JOINT PER LOCAL ENGINEERING REGULATIONS AND GUIDELINES
5. STANDARD CHANNEL LENGTH IS 8'-0" (96")
6. STANDARD CHANNEL SLOPE IS 0.5%



EconoDrain® Series #10
MONOLITHIC POUR INSTALLATION DETAIL

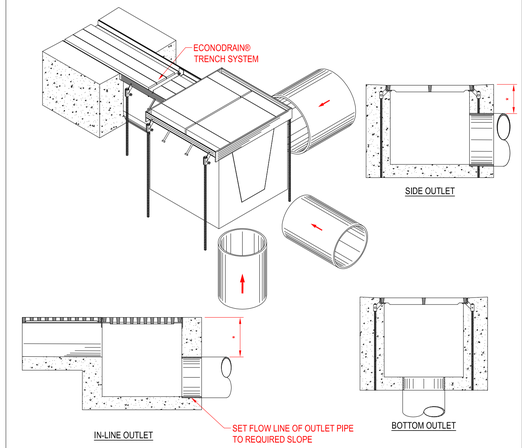
NOTES TO THE SPECIFIER:
1. ADD REBAR AS REQUIRED
2. SPECIFY REQUIRED DIMENSIONS LABELED WITH (*) USING 6" EACH SIDE OF STEEL RAIL AND BELOW EPS FORM AS A RECOMMENDED MINIMUM.
3. SHOW TOP OF GRATE ELEVATION IN PLAN VIEW
4. EXPANSION / CONTRACTION JOINT PER LOCAL ENGINEERING REGULATIONS AND GUIDELINES
5. STANDARD CHANNEL LENGTH IS 8'-0" (96")
6. STANDARD CHANNEL SLOPE IS 0.5%



EconoDrain® Series #10
OUTLETS FROM IN-LINE CATCH BASIN

NOTES TO THE SPECIFIER:
1. ADD REBAR AS REQUIRED.
2. SPECIFY MINIMUM CONCRETE ENCASEMENT.
3. MINIMUM CONCRETE COVERAGE OF OUTLET PIPE MUST BE GREATER THAN 4 INCHES (LABELED WITH *).
4. FINAL CONCRETE THICKNESS PER LOCAL ENGINEERING REGULATIONS AND GUIDELINES.

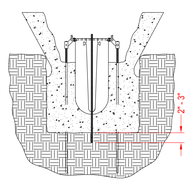
CONSTRUCTION NOTES:
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS.
2. SECURE OUTLET PIPE PRIOR TO CONCRETING OPERATIONS.
3. FOR ILLUSTRATION ONLY - DO NOT SCALE



EconoDrain® Series #10
OUTLET FROM CATCH BASIN

NOTES TO THE SPECIFIER:
1. ADD REBAR AS REQUIRED.
2. SPECIFY MINIMUM CONCRETE ENCASEMENT.
3. 4" MINIMUM CONCRETE COVERAGE OF OUTLET PIPE IS RECOMMENDED (LABELED WITH *).
4. FINAL CONCRETE THICKNESS PER LOCAL ENGINEERING REGULATIONS AND GUIDELINES.

CONSTRUCTION NOTES:
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS.
2. SECURE OUTLET PIPE PRIOR TO CONCRETING OPERATIONS.
3. FOR ILLUSTRATION ONLY - DO NOT SCALE



EconoDrain® Series #10
INSTALLING FORMERS IN DEEPER PORTION OF SYSTEM

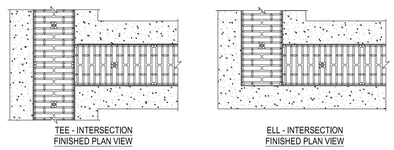
HOLES ARE PROVIDED THROUGH THE CENTER OF THE DEEPER EPS FORMS FOR INSERTION OF REBAR. THESE HOLES MAINTAIN VERTICAL ALIGNMENT DURING INITIAL CONCRETE PLACEMENT.

THE REBAR IS DRIVEN ONLY A FEW INCHES INTO THE GROUND OR SUB-BASE.

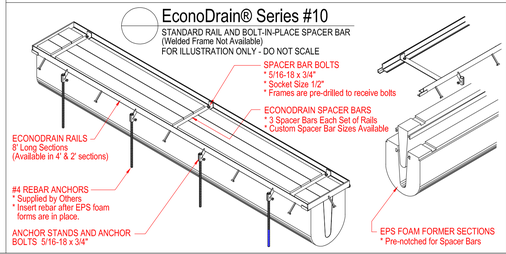
CONCRETE MUST BE FILLED ON BOTH SIDES OF THE FORM AS EVENLY AS POSSIBLE. MULTIPLE PASSES ON EITHER SIDE ARE PREFERABLE WHILE AVOIDING FILLING THE TRENCH FROM ONE SIDE.

SEE **INSTALLATION INSTRUCTIONS**, STEP 15: HOW TO POUR CONCRETE AROUND ECONODRAIN® TRENCH FORMING SYSTEM.

THE REBAR MUST BE REMOVED ONCE THE CONCRETE/FORM PRESSURE EQUALIZES BUT PRIOR TO THE CONCRETE SETTING UP.



EconoDrain® Series #10
TEE & ELL INTERSECTION KITS



EconoDrain® Series #10
STANDARD RAIL AND BOLT-IN-PLACE SPACER BAR (Welded Frame Not Available)
FOR ILLUSTRATION ONLY - DO NOT SCALE

GENERAL NOTES:
1. ALL DIMENSIONS SHOWN ARE NOMINAL.
2. THIS SYSTEM AVAILABLE ONLY WITH RAILS AND BOLT-IN-PLACE SPACER BARS

EconoDrain® Series #10
ENGINEERING / CONSTRUCTION DETAIL TEMPLATE

A

File Name: ED10-DETAILS-20a