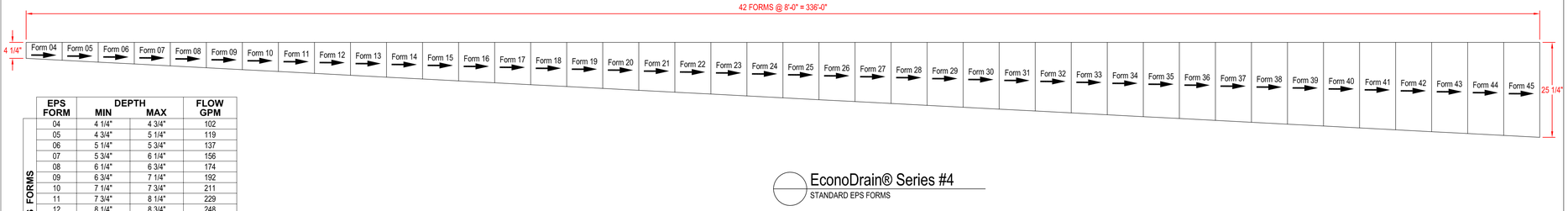
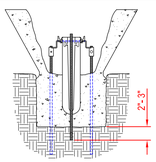


EconoDrain® Series #4
STANDARD EPS FORMS

	EPS FORM	DEPTH MIN	DEPTH MAX	FLOW GPM
SHALLOW EPS FORMS	04	4 1/4"	4 3/4"	102
	05	4 3/4"	5 1/4"	119
	06	5 1/4"	5 3/4"	137
	07	5 3/4"	6 1/4"	156
	08	6 1/4"	6 3/4"	174
	09	6 3/4"	7 1/4"	192
	10	7 1/4"	7 3/4"	211
	11	7 3/4"	8 1/4"	229
	12	8 1/4"	8 3/4"	248
	13	8 3/4"	9 1/4"	266
	14	9 1/4"	9 3/4"	285
	15	9 3/4"	10 1/4"	303
	16	10 1/4"	10 3/4"	322
	17	10 3/4"	11 1/4"	341
	18	11 1/4"	11 3/4"	359
	19	11 3/4"	12 1/4"	378
	20	12 1/4"	12 3/4"	397
	21	12 3/4"	13 1/4"	416
	22	13 1/4"	13 3/4"	434
	23	13 3/4"	14 1/4"	453
DEEP EPS FORMS	24	14 1/4"	14 3/4"	472
	25	14 3/4"	15 1/4"	491
	26	15 1/4"	15 3/4"	510
	27	15 3/4"	16 1/4"	528
	28	16 1/4"	16 3/4"	547
	29	16 3/4"	17 1/4"	566
	30	17 1/4"	17 3/4"	585
	31	17 3/4"	18 1/4"	604
	32	18 1/4"	18 3/4"	623
	33	18 3/4"	19 1/4"	642
	34	19 1/4"	19 3/4"	660
	35	19 3/4"	20 1/4"	679
	36	20 1/4"	20 3/4"	698
	37	20 3/4"	21 1/4"	717
	38	21 1/4"	21 3/4"	736
	39	21 3/4"	22 1/4"	755
	40	22 1/4"	22 3/4"	774
	41	22 3/4"	23 1/4"	793
	42	23 1/4"	23 3/4"	812
	43	23 3/4"	24 1/4"	830
	44	24 1/4"	24 3/4"	849
	45	24 3/4"	25 1/4"	868

EPS FORM CHART



EconoDrain® Series #4
INSTALLING FORMERS IN DEEPER PORTION OF SYSTEM

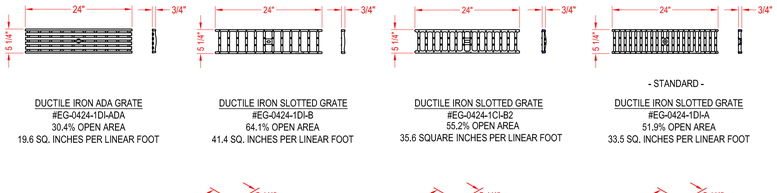
HOLES ARE PROVIDED THROUGH THE CENTER OF THE DEEPER EPS FORMS FOR INSERTION OF REBAR. THESE HOLES MAINTAIN VERTICAL ALIGNMENT DURING INITIAL CONCRETE PLACEMENT.

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.

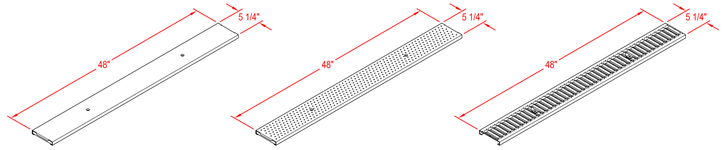


DUCTILE IRON ADA GRATE
#EG-0424-1DI-ADA
30.4% OPEN AREA
19.6 SQ. INCHES PER LINEAR FOOT

DUCTILE IRON SLOTTED GRATE
#EG-0424-1DI-B
64.1% OPEN AREA
41.4 SQ. INCHES PER LINEAR FOOT

DUCTILE IRON SLOTTED GRATE
#EG-0424-1CI-B2
55.2% OPEN AREA
35.6 SQUARE INCHES PER LINEAR FOOT

- STANDARD -
DUCTILE IRON SLOTTED GRATE
#EG-0424-1DI-A
51.9% OPEN AREA
33.5 SQ. INCHES PER LINEAR FOOT

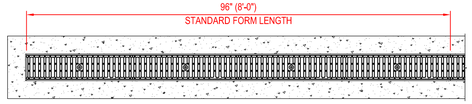


REINFORCED STAMPED STEEL SOLID COVER
#EG0448RGSC - GALVANIZED
#EG0448RSSC - STAINLESS

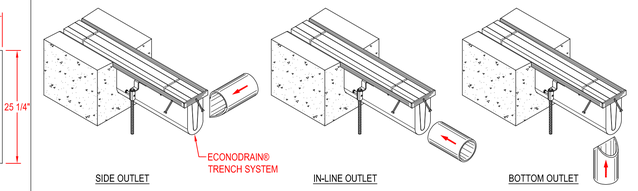
PERFORTED STAMPED STEEL GRATE
#EG0448GSP - GALVANIZED
#EG0448SSP - STAINLESS
#EG0448RGSP - REINFORCED GALVANIZED
#EG0448RSSP - REINFORCED STAINLESS
8.5% OPEN AREA
5.4 SQUARE INCHES PER LINEAR FOOT

SLOTTED STAMPED STEEL GRATE
#EG0448GSB - GALVANIZED
#EG0448SSB - STAINLESS
#EG0448RGSB - REINFORCED GALVANIZED
#EG0448RSSB - REINFORCED STAINLESS
17% OPEN AREA
10.7 SQUARE INCHES PER LINEAR FOOT

EconoDrain® Series #4
GRATE SELECTION



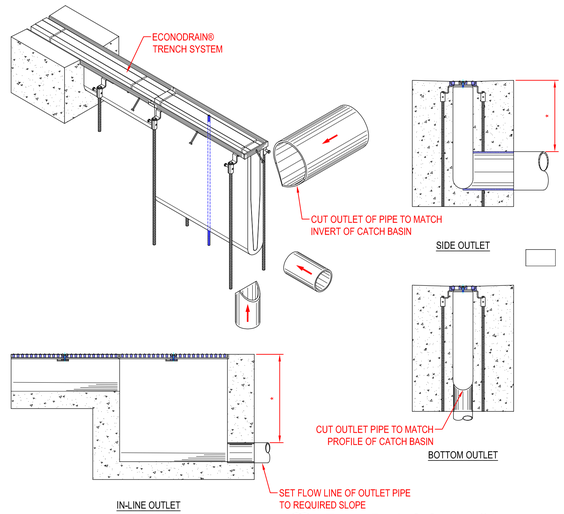
EconoDrain® Series #4
FINISHED PLAN VIEW



EconoDrain® Series #4
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.

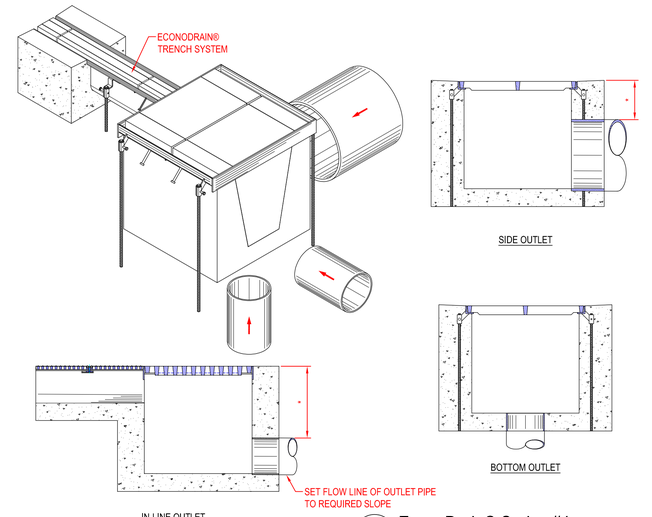
CONSTRUCTION NOTES:
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS.
2. SECURE OUTLET PIPE PRIOR TO CONCRETING OPERATIONS.
3. FOR ILLUSTRATION ONLY - DO NOT SCALE



EconoDrain® Series #4
OUTLET FROM IN-LINE 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.

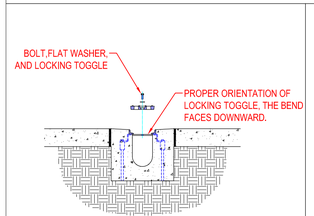
CONSTRUCTION NOTES:
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS.
2. SECURE OUTLET PIPE PRIOR TO CONCRETING OPERATIONS.
3. FOR ILLUSTRATION ONLY- DO NOT SCALE



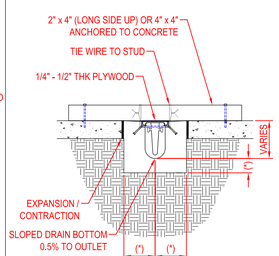
EconoDrain® Series #4
OUTLET FROM CATCH BASIN

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

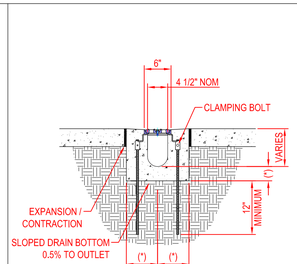


EconoDrain® Series #4
GRATE LOCKING DEVICE INSTALLATION



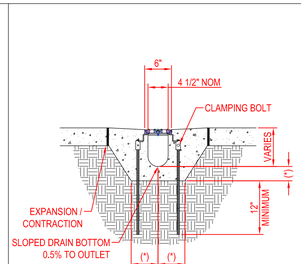
EconoDrain® Series #4
SUSPENDING FORMERS FROM EXISTING SLAB

NOTES TO THE SPECIFIER:
1. ADD REBAR AS REQUIRED
2. SPECIFY REQUIRED DIMENSIONS LABELED WITH (*) USING 6" EACH SIDE OF STEEL FRAME 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%



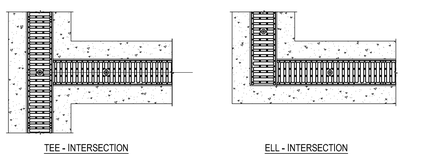
EconoDrain® Series #4
SAWCUT EXISTING SLAB INSTALLATION DETAIL

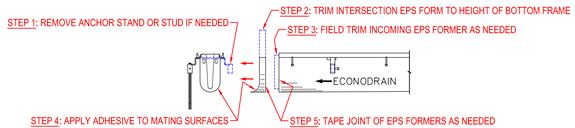
NOTES TO THE SPECIFIER:
1. ADD REBAR AS REQUIRED
2. SPECIFY REQUIRED DIMENSIONS LABELED WITH (*) USING 6" EACH SIDE OF STEEL FRAME AND BELOW EPS FORM AS A RECOMMENDED MINIMUM.
3. SHOW TOP OF GRATE ELEVATION IN PLAN VIEW
4. EXPANSION / CONTRACTION JOINT PER LOCAL ENGINEERING REGULATIONS AND GUIDELINES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



EconoDrain® Series #4
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 FRAME 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 #4
TEE & ELL INTERSECTION KITS

GENERAL NOTES:
1. ALL DIMENSIONS SHOWN ARE NOMINAL.
2. THIS SYSTEM AVAILABLE ONLY WITH PRE-WELDED GRATE FRAMES.

EconoDrain® Series #4
ENGINEERING / CONSTRUCTION DETAIL TEMPLATE
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