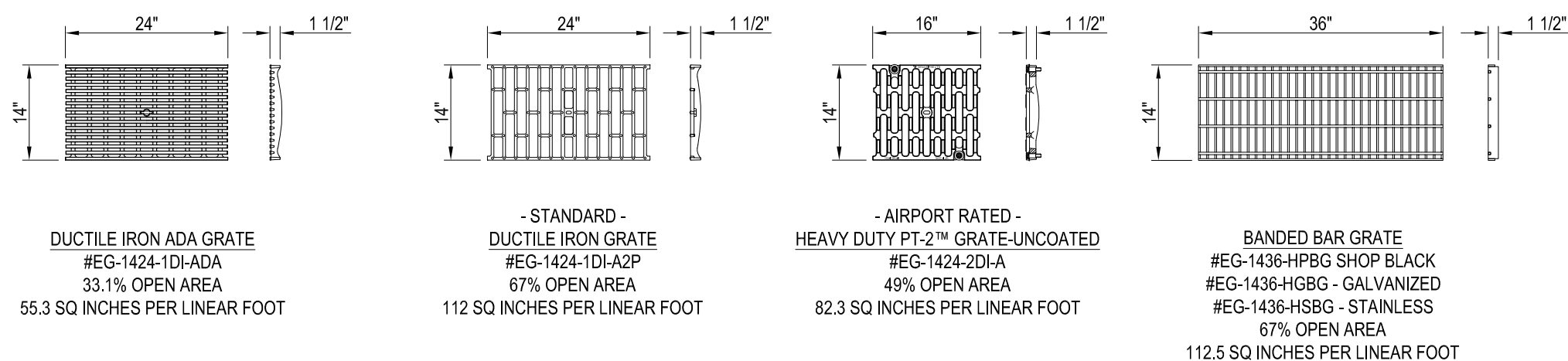
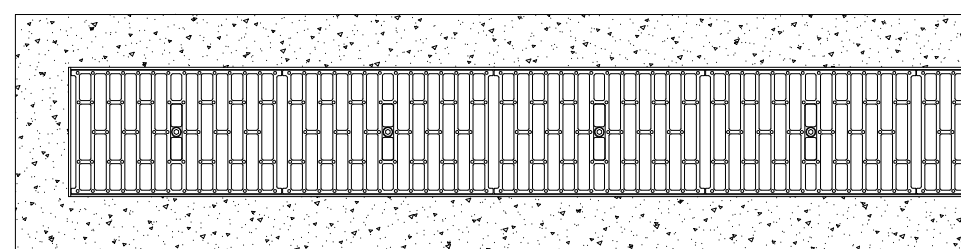


EconoDrain® Series #12
STANDARD EPS FORMS



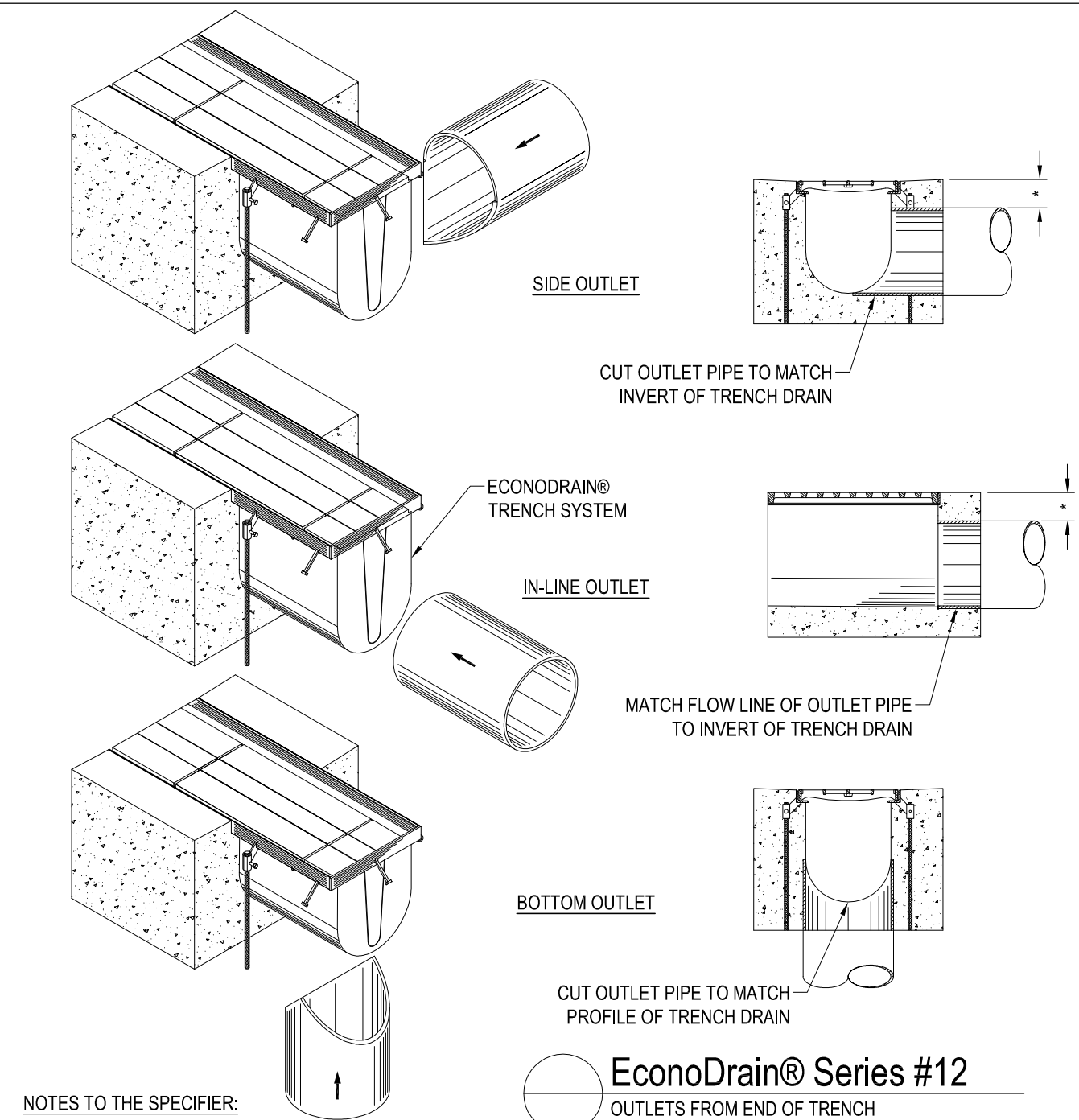
EconoDrain® Series #12
GRATE SELECTION



EconoDrain® Series #12
FINISHED PLAN VIEW

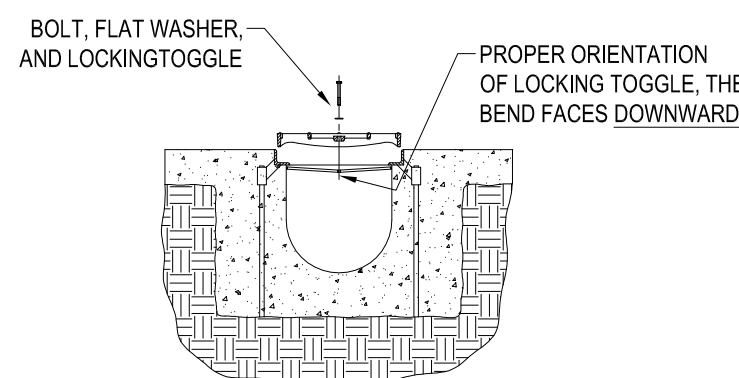
EPS FORM	MIN	DEPTH MAX	FLOW GPM
10	8"	8 1/2"	743
11	8 1/2"	9"	829
12	9"	9 1/2"	915
13	9 1/2"	10"	1003
14	10"	10 1/2"	1091
15	10 1/2"	11"	1180
16	11"	11 1/2"	1269
17	11 1/2"	12"	1359
18	12"	12 1/2"	1450
19	12 1/2"	13"	1541
20	13"	13 1/2"	1633
21	13 1/2"	14"	1725
22	14"	14 1/2"	1817
23	14 1/2"	15"	1910
24	15"	15 1/2"	2002
25	15 1/2"	16"	2095
26	16"	16 1/2"	2189
27	16 1/2"	17"	2282
28	17"	17 1/2"	2376
29	17 1/2"	18"	2470
30	18"	18 1/2"	2564
31	18 1/2"	19"	2658
32	19"	19 1/2"	2753
33	19 1/2"	20"	2847
34	20"	20 1/2"	2942
35	20 1/2"	21"	3036
36	21"	21 1/2"	3131
37	21 1/2"	22"	3226
38	22"	22 1/2"	3321
39	22 1/2"	23"	3416
40	23"	23 1/2"	3511
41	23 1/2"	24"	3607
42	24"	24 1/2"	3702
43	24 1/2"	25"	3798
44	25"	25 1/2"	3893
45	25 1/2"	26"	3989

EPS FORM CHART

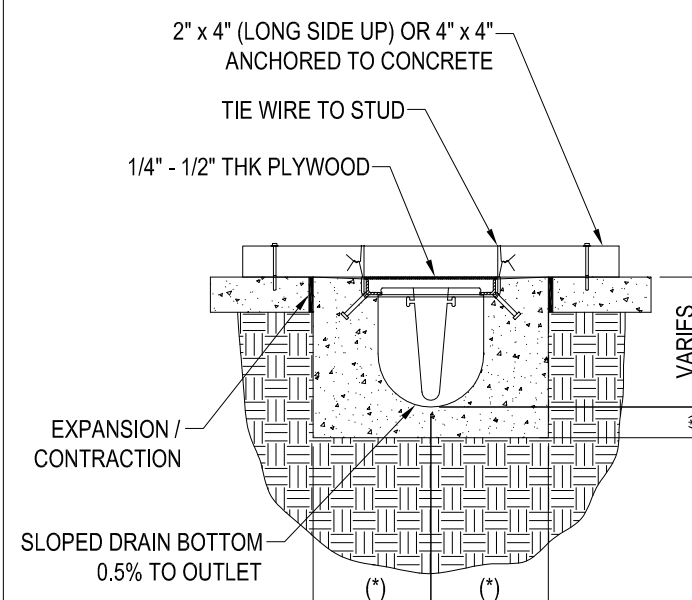


EconoDrain® Series #12
OUTLETS FROM END OF TRENCH

- 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

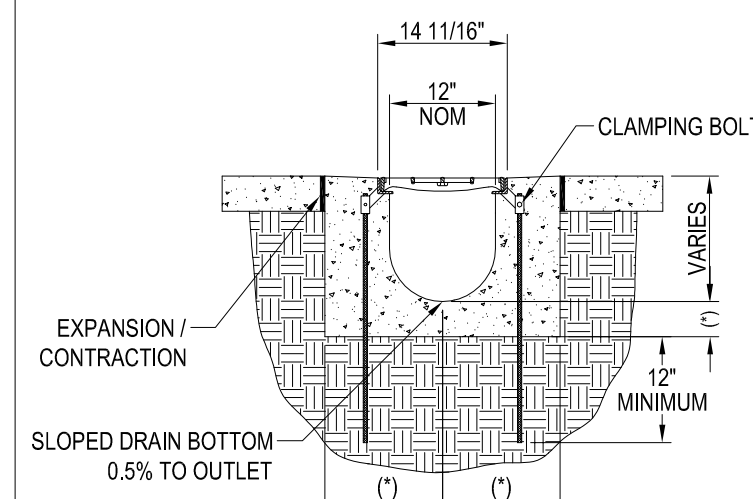


EconoDrain® Series #12
GRATE LOCKING DEVICE INSTALLATION



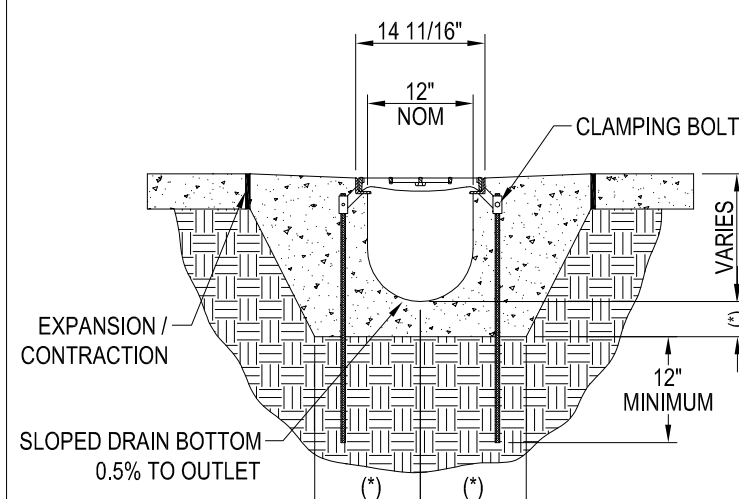
EconoDrain® Series #12
SUSPENDING FORMERS FROM EXISTING SLAB

- 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%



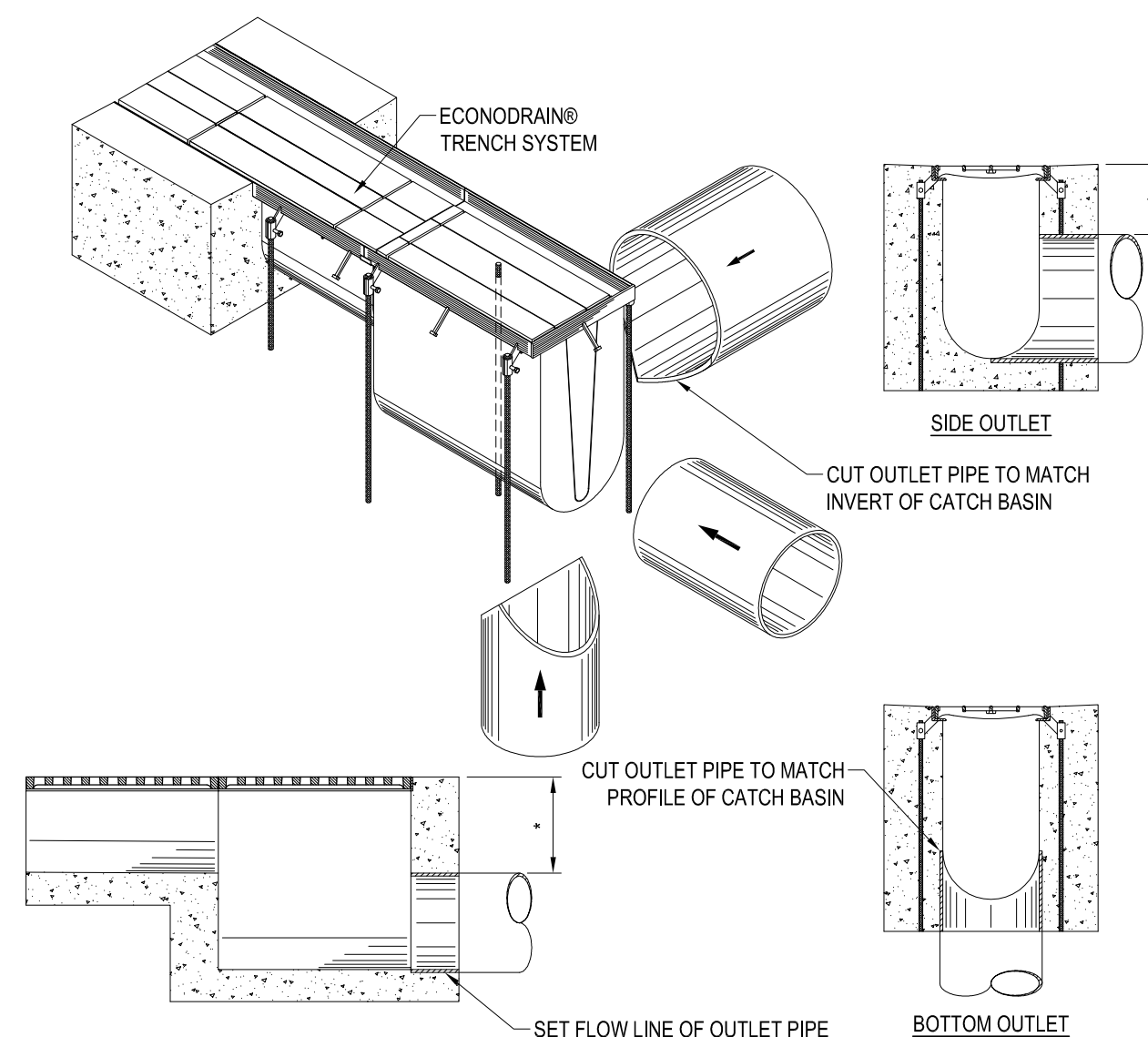
EconoDrain® Series #12
SAWCUT EXISTING SLAB INSTALLATION DETAIL

- 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%



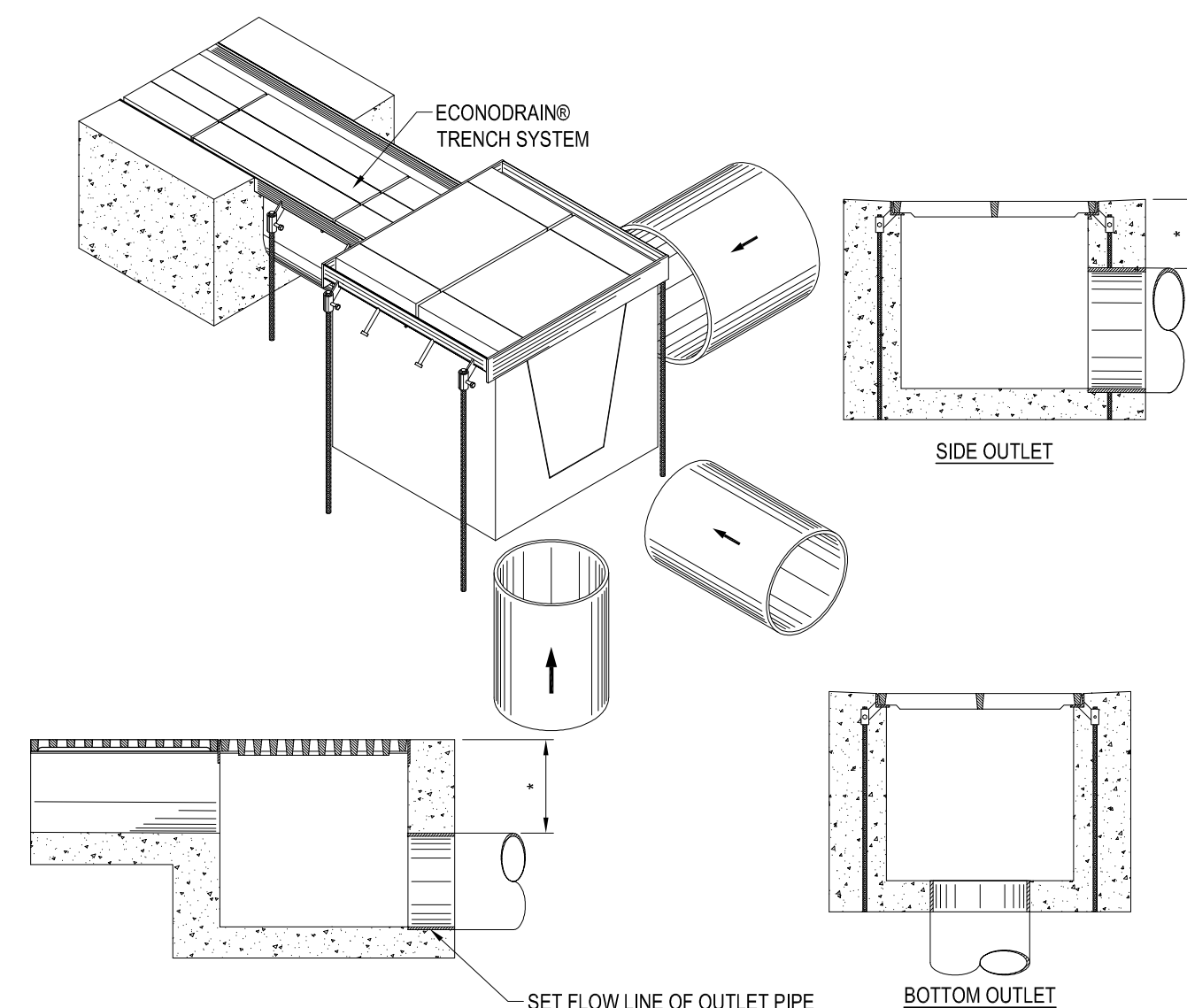
EconoDrain® Series #12
MONOLITHIC POUR INSTALLATION DETAIL

- 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%



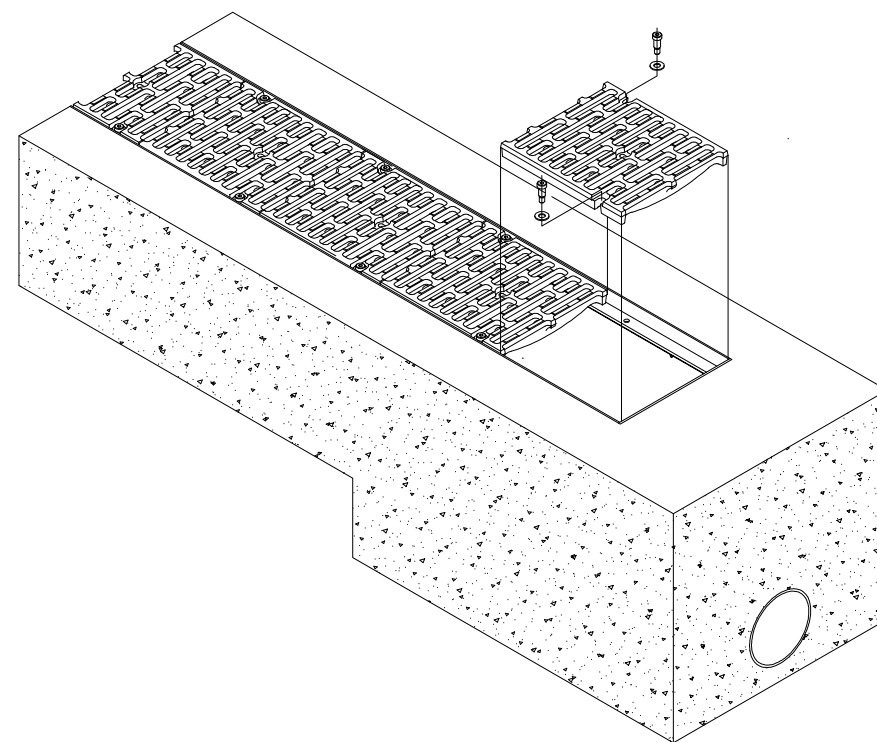
- NOTES TO THE SPECIFIER:
1. ADD REBAR AS REQUIRED.
 2. SPECIFY MINIMUM CONCRETE ENCASEMENT.
 3. 4" MINIMUM CONCRETE COVERAGE OF OUTLET PIPE IS RECOMMENDED (LABELED WITH ").
 4. FINAL CONCRETE THICKNESS PER LOCAL ENGINEERING REGULATIONS AND GUIDELINES.
- CONSTRUCTION NOTES:
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS.
 2. SECURE OUTLET PIPE PRIOR TO CONCRETING OPERATIONS.
 3. FOR ILLUSTRATION ONLY - DO NOT SCALE

EconoDrain® Series #12
OUTLETS FROM IN-LINE CATCH BASIN

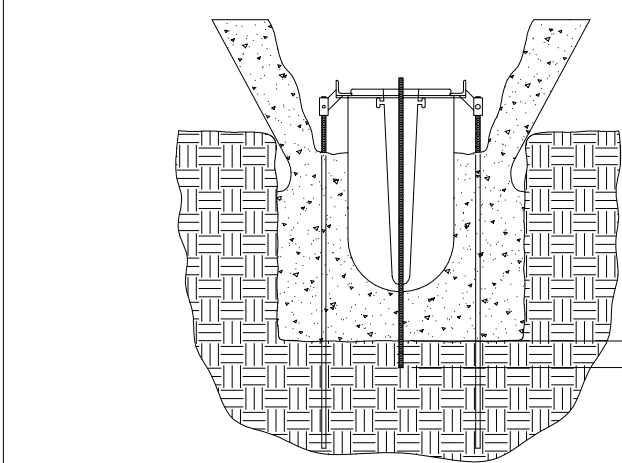


- NOTES TO THE SPECIFIER:
1. ADD REBAR AS REQUIRED.
 2. SPECIFY MINIMUM CONCRETE ENCASEMENT.
 3. 4" MINIMUM CONCRETE COVERAGE OF OUTLET PIPE IS RECOMMENDED (LABELED WITH ").
 4. FINAL CONCRETE THICKNESS PER LOCAL ENGINEERING REGULATIONS AND GUIDELINES.
- CONSTRUCTION NOTES:
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS.
 2. SECURE OUTLET PIPE PRIOR TO CONCRETING OPERATIONS.
 3. FOR ILLUSTRATION ONLY - DO NOT SCALE

EconoDrain® Series #12
OUTLET FROM CATCH BASIN



EconoDrain® Series #12
HEAVY DUTY PT-2™ GRATE INSTALLATION



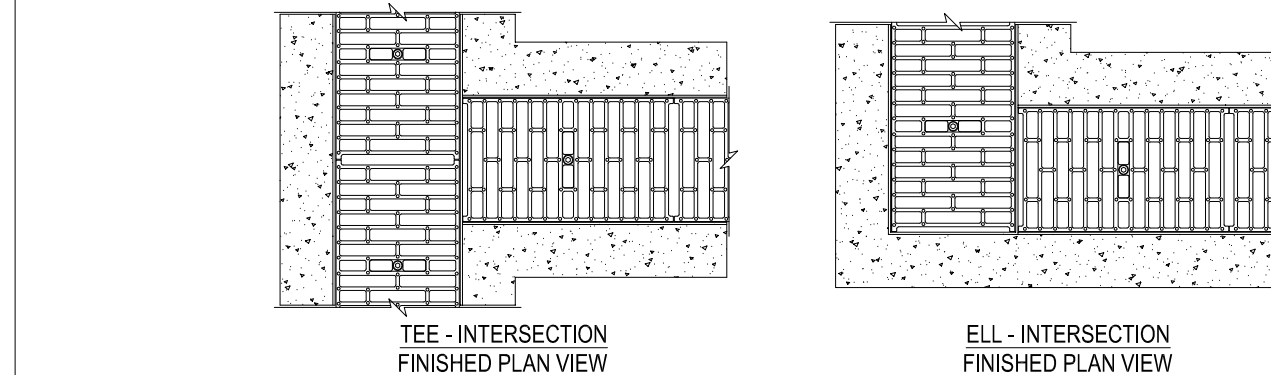
EconoDrain® Series #12
INSTALLING FORMERS IN DEEPER PORTION OF SYSTEM

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.

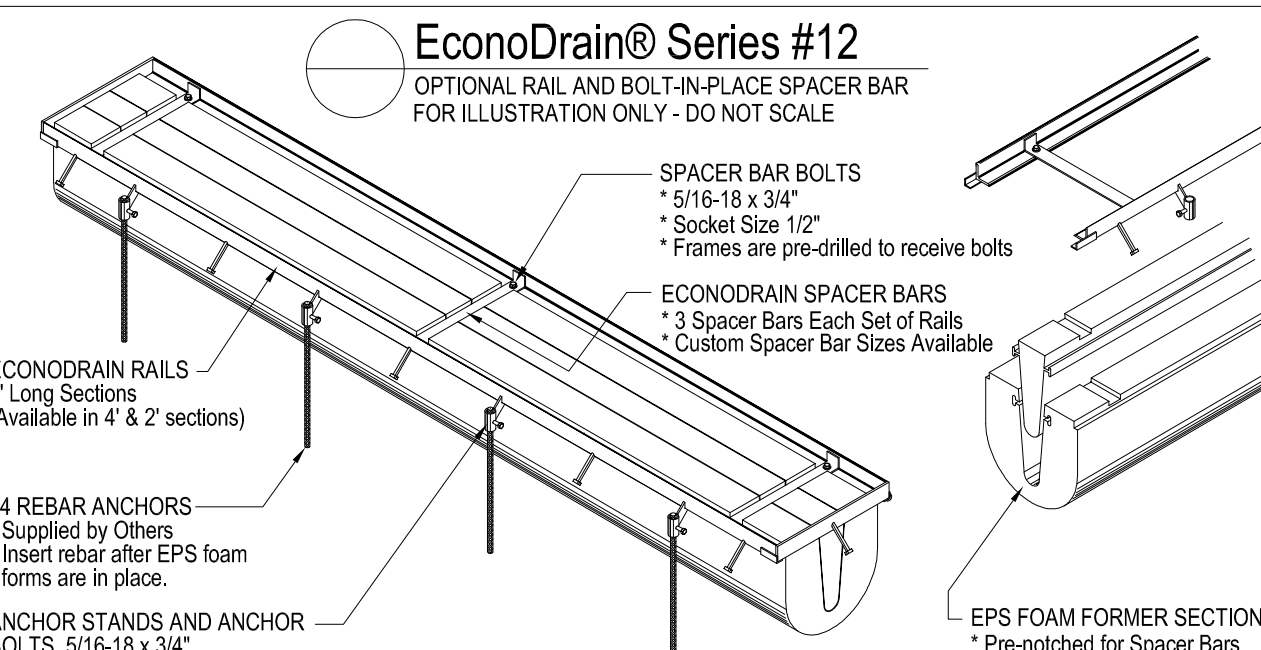
SEE **INSTALLATION INSTRUCTIONS, STEP 15: HOW TO POUR CONCRETE AROUND ECONODRAIN® TRENCH FORMING SYSTEM.**

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



- STEP 1: REMOVE ANCHOR STAND OR STUD IF NECESSARY.
- STEP 2: TRIM INTERSECTION EPS FORM TO THE HEIGHT OF BOTTOM FRAME.
- STEP 3: FIELD TRIM INCOMING EPS FORMER AS NEEDED.
- STEP 4: APPLY ADHESIVES TO MATING SURFACES.
- STEP 5: TAPE JOINT OF EPS FORMERS AS NEEDED.

EconoDrain® Series #12
TEE & ELL INTERSECTION KITS



- GENERAL NOTES:
1. ALL DIMENSIONS SHOWN ARE NOMINAL.
 2. THIS SYSTEM AVAILABLE WITH PRE-WELDED GRATE FRAMES (STANDARD) OR RAILS WITH OPTIONAL BOLT-IN PLACE SPACER BARS.

EconoDrain® Series #12
ENGINEERING / CONSTRUCTION DETAIL TEMPLATE
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