

INSTALLATION

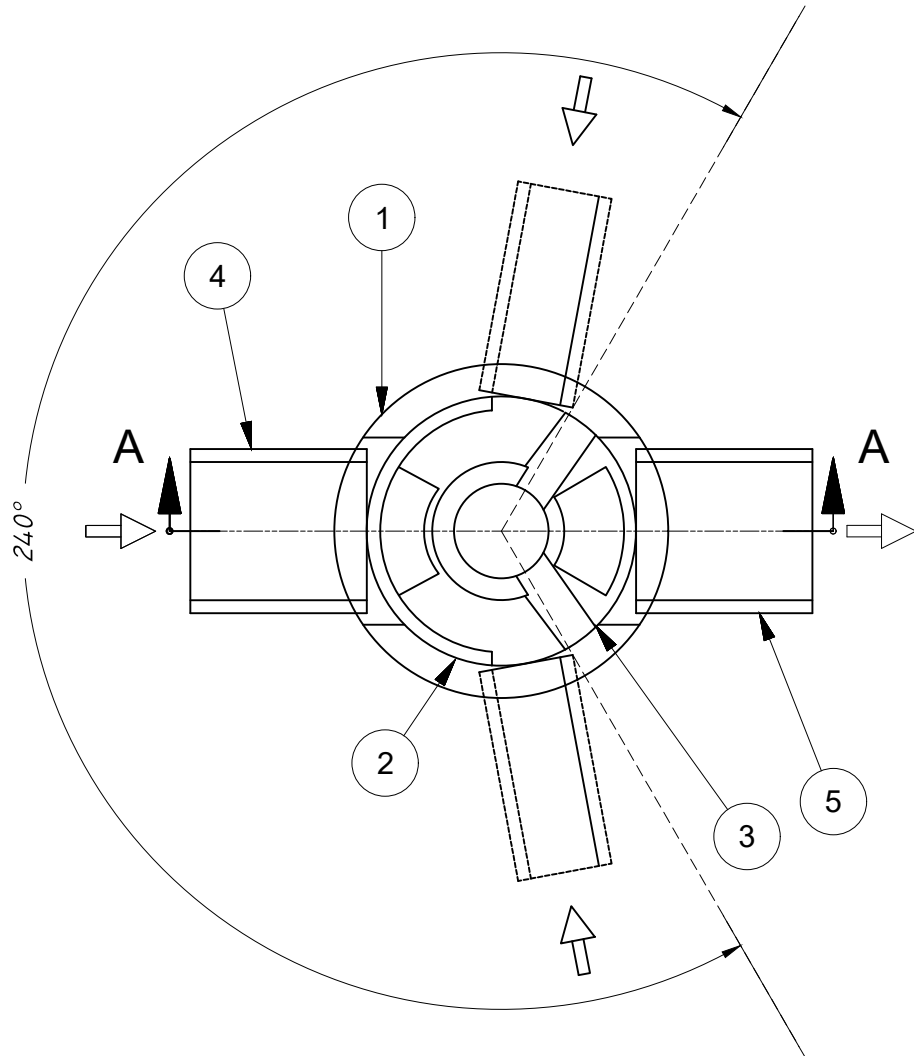
THE AREA OF THE ENTRANCE SHOULD BE CLEARED OF ALL VEGETATION, ROOTS, AND OTHER OBJECTIONABLE MATERIAL. THE STONE SHALL BE PLACED TO THE SPECIFIED DIMENSIONS, AS NOTED ABOVE.

MAINTENANCE

THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENTS ONTO PUBLIC RIGHT- OF-WAYS THIS WILL REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE, OR ADDITIONAL LENGTH, AS CONDITIONS DEMAND, AND REPAIR, AND / OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHT-OF-WAYS MUST BE REMOVED IMMEDIATELY.

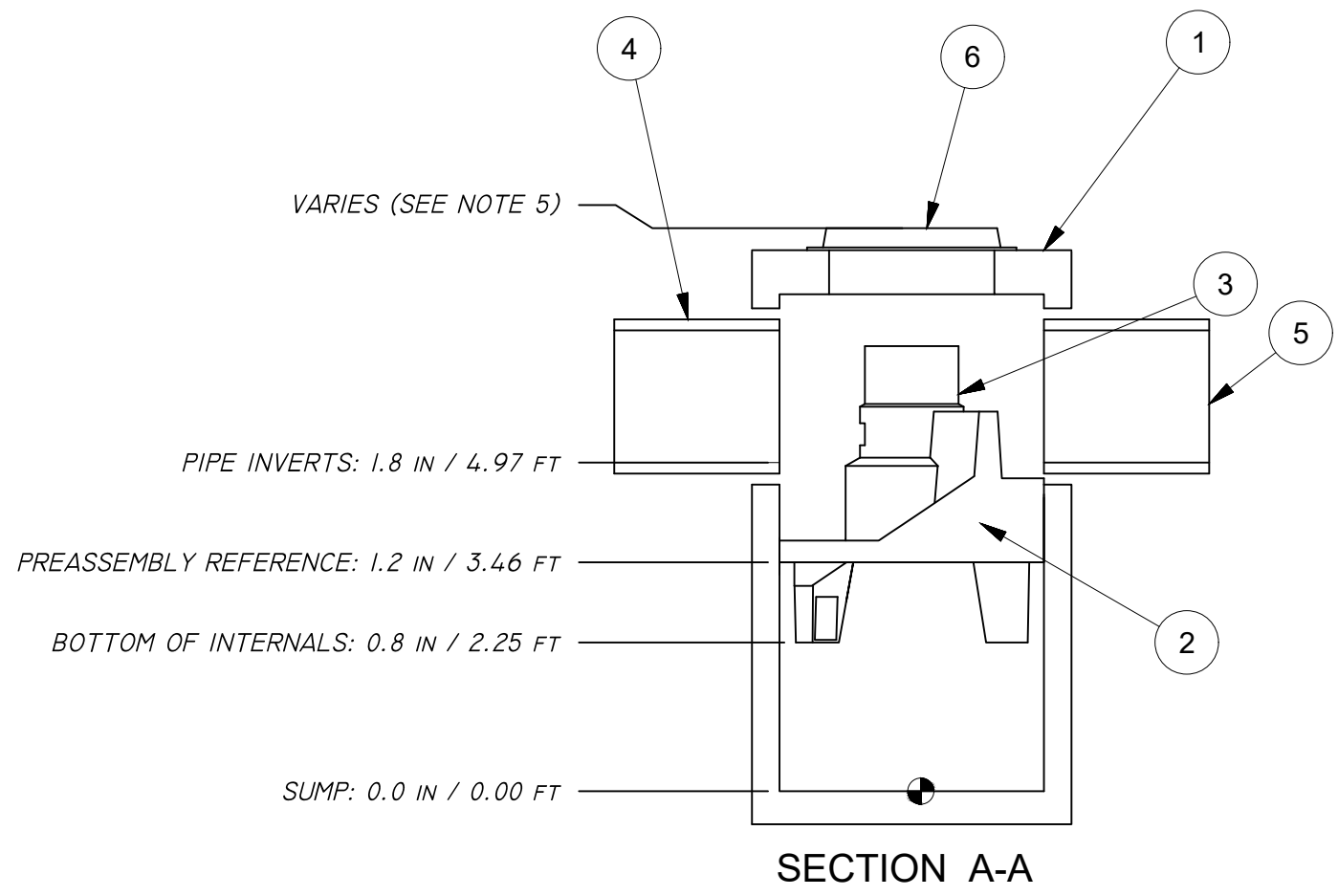
CONSTRUCTION ENTRANCE DETAIL

NOT TO SCALE



Inlet pipe(s) can enter anywhere within 240° arc.

Parts List		
ITEM	SIZE (in)	DESCRIPTION
1	48	I.D. PRECAST MANHOLE
2		LEDGER SUPPORT
3		SEPARATION MODULE
4	24	INLET PIPE (BY OTHERS)
5	24	OUTLET PIPE (BY OTHERS)
6	30	FRAME AND COVER (OR GRATE) (ROUND)



GENERAL NOTES:

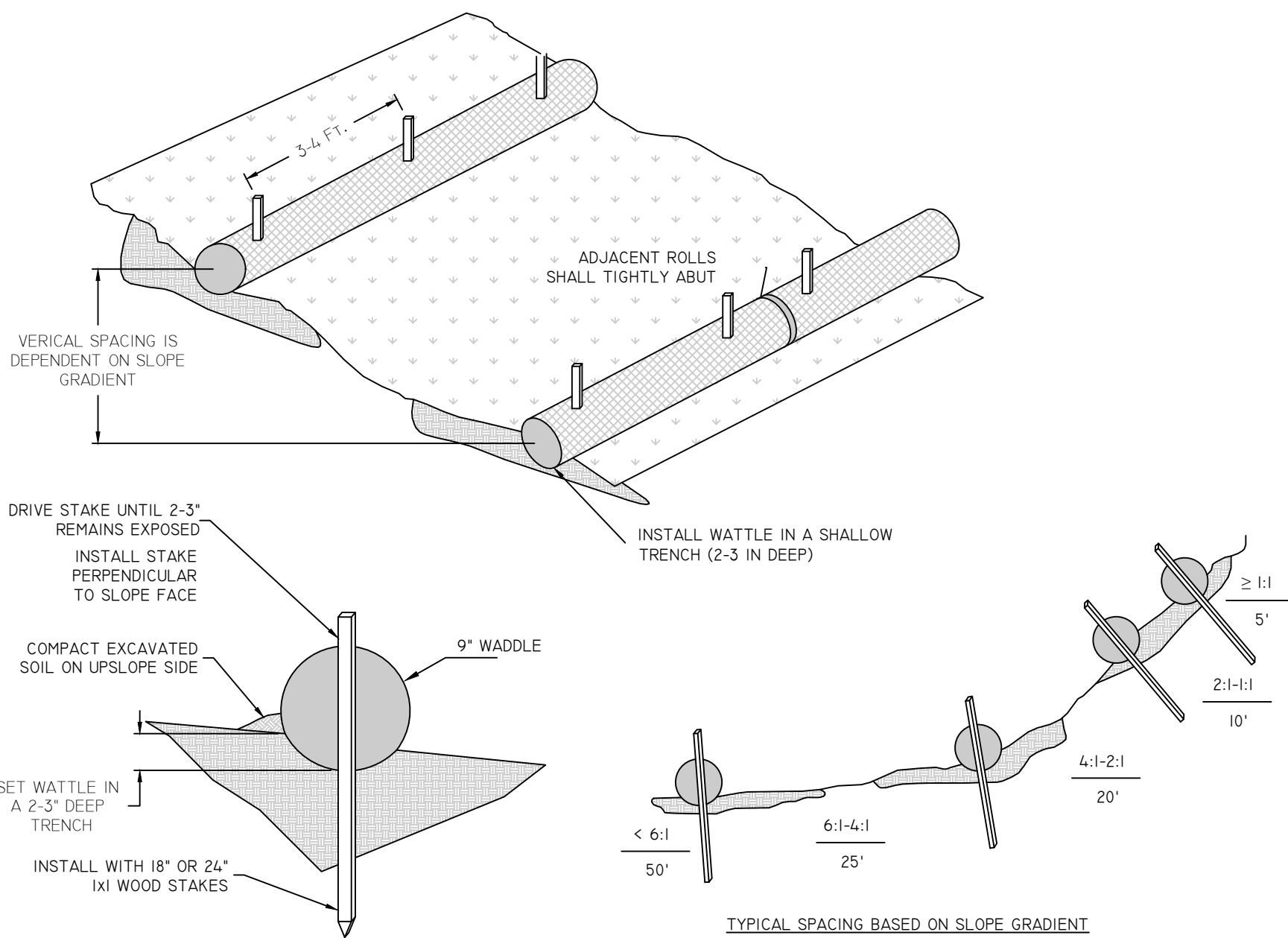
1. GENERAL ARRANGEMENT DRAWINGS ONLY. CONTACT HYDRO INTERNATIONAL FOR SITE SPECIFIC FABRICATION DRAWINGS.
2. THE DIAMETER OF THE INLET & OUTLET PIPES MAY BE NO MORE THAN 24".
3. MULTIPLE INLET PIPES POSSIBLE (REFER TO PROJECT PLANS).
4. INLET/OUTLET PIPE ANGLE CAN VARY TO ALIGN WITH DRAINAGE NETWORK (REFER TO PROJECT PLANS).
5. PEAK FLOW RATE AND MINIMUM HEIGHT LIMITED BY AVAILABLE COVER AND PIPE DIAMETER.
6. LARGER SEDIMENT STORAGE CAPACITY MAY BE PROVIDED WITH A DEEPER SUMP DEPTH.

PRODUCT SPECIFICATIONS:

- A. THE TREATMENT SYSTEM SHALL USE AN INDUCED VORTEX TO SEPARATE POLLUTANTS FROM STORMWATER RUNOFF.
- B. THE TREATMENT SYSTEM SHALL FIT WITHIN THE LIMITS OF EXCAVATION (AREA AND DEPTH) AS SHOWN IN THE PROJECT PLANS AND WILL NOT EXCEED THE DIMENSIONS FOR THE DESIGN FLOW RATES SPECIFIED HEREIN.
- C. THE TREATMENT SYSTEM SHALL REMOVE GREATER THAN OR EQUAL TO 90% OF TSS BASED ON THE TARGET PARTICLE SIZE (TPS) OF 106 MICRONS AND/OR 80% OF TSS BASED ON THE TPS OF 230 MICRONS AT 0.7 CFS AND 1.2 CFS, RESPECTIVELY.
- D. THE TREATMENT SYSTEM SHALL CONVEY THE PEAK ON-LINE FLOW RATES OF UP TO 18 CFS WITHOUT CAUSING UPSTREAM SURCHARGE CONDITIONS. FULL-SCALE INDEPENDENT LABORATORY SCOUR TESTING SHALL DEMONSTRATE EFFLUENT CONTROL OF LESS THAN OR EQUAL TO 5 MG/L FOR ALL FLOWS UP TO 200% OF MTFR-106.
- E. THE TREATMENT SYSTEM SHALL BE CAPABLE OF CAPTURING AND RETAINING FINE SILT AND SAND SIZE PARTICLES. ANALYSIS OF CAPTURED SEDIMENT FROM FULL-SCALE FIELD INSTALLATIONS SHALL DEMONSTRATE PARTICLE SIZES PREDOMINATELY IN THE 20-MICRON RANGE

FIRST DEFENSE UNIT

NOT TO SCALE

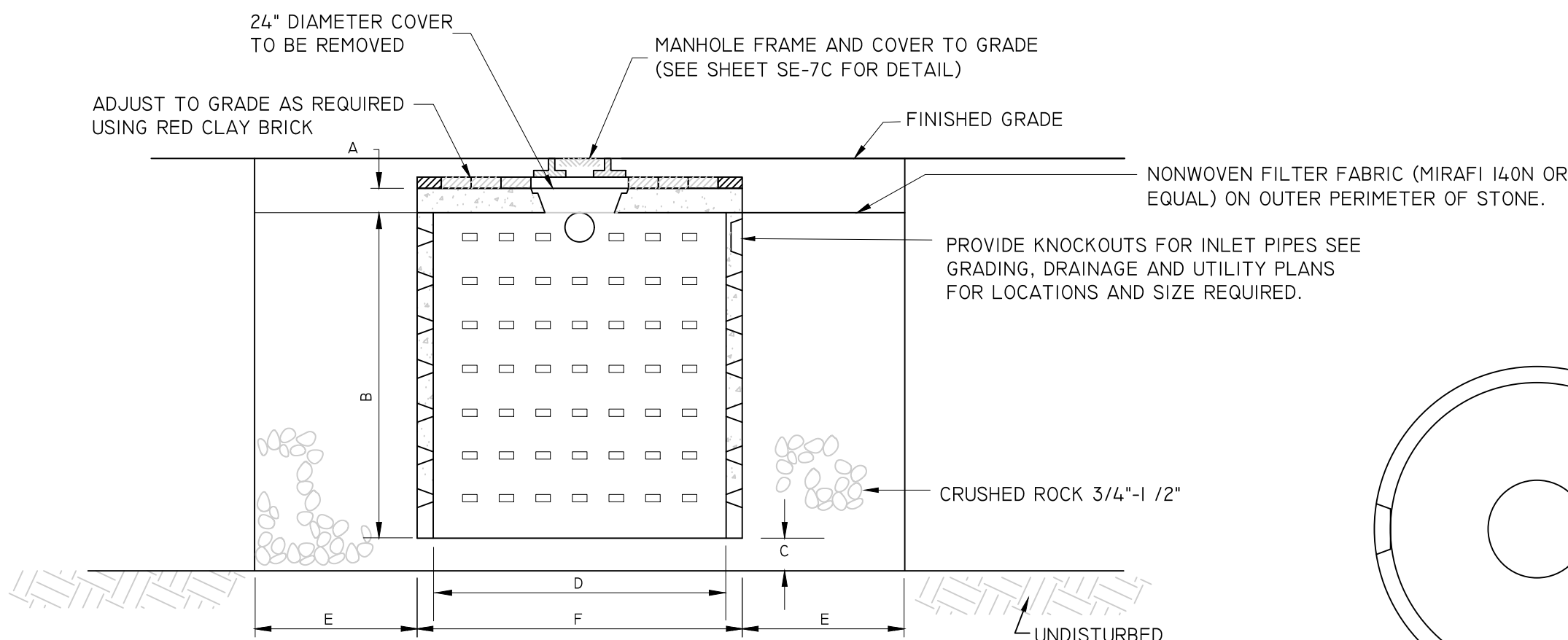


GENERAL NOTES:

1. BEGIN AT THE LOCATION WHERE WATTLE IS TO BE INSTALLED BY EXCAVATING 2-3\" DEED X 9\" WIDE TRENCH ALONG THE CONTOUR OF THE SLOPE. EXCAVATED SOIL SHOULD BE PLACED UP SLOPE FROM THE ANCHOR TRENCH.
2. PLACE THE WATTLE IN THE TRENCH SO THAT IT CONTOURS TO THE SOIL SURFACE. COMPACT SOIL FROM THE EXCAVATED TRENCH AGAINST THE WATTLE ON THE UPHILL SIDE. ADJACENT WATTLES SHOULD TIGHTLY ABUT.
3. SECURE THE WATTLE WITH 18-24\" STAKES EVERY 3-4\" AND WITH A STAKE ON EACH END. STAKES SHOULD BE DRIVEN THROUGH THE MIDDLE OF THE OF THE WATTLE LEAVING AT LEAST 2-3\" OF STAKE EXTENDING ABOVE THE WATTLE. STAKES SHOULD BE DRIVEN PERPENDICULAR TO SLOPE FACE.
4. CONTRACTOR IS RESPONSIBLE TO MAINTAIN INTEGRITY OF STRAW WATTLE FOR DURATION OF CONSTRUCTION.
5. EROSION CONTROLS TO REMAIN UNTIL SOIL CONDITIONS STABILIZE.
6. LOOSE HAY TO BE SPREAD ON AREAS OF EXPOSED LOAM & SEED UNTIL GERMINATION AND STABILIZATION OCCURS.

STRAW WATTLE (OR SILT SOCK) DETAIL

NOT TO SCALE



NOTES:

CONCRETE UNITS SHALL BE MANUFACTURED BY ROTONDO PRECAST, OR AN APPROVED EQUAL AND SHALL MEET THE FOLLOWING:

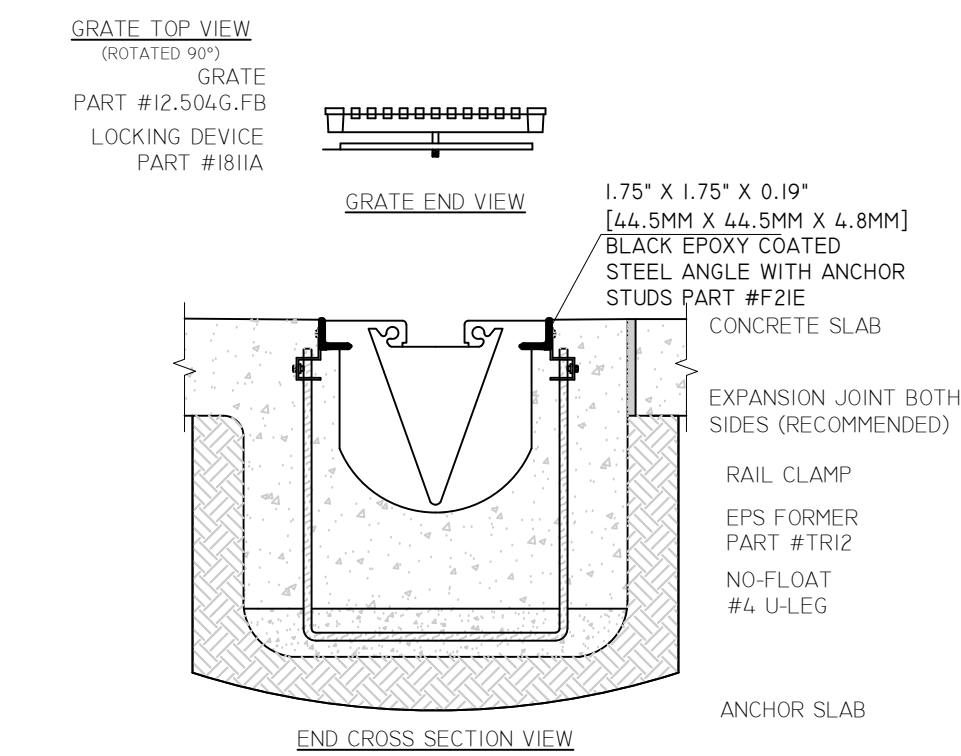
CONCRETE MINIMUM STRENGTH - 5,000 P.S.I. @ 28 DAYS STEEL REINFORCEMENT - ASTM A-615 GR. 60, A-185, OR A-497, 1\" MIN. COVER OR A-497, 1\" MIN. COVER DESIGN LOADING - AASHTO HS20-44 EARTH COVER - 0 TO 5 FEET CONSTRUCTION JOINT - LAPPED

DRY WELL NUMBER	"A" (FEET)	"B" (FEET)	"C" (FEET)	"D" (FEET)	"E" (FEET)	"F" (FEET)
1	.5	4	.5	4	0.5	4.25

PRECAST HEAVY DUTY DRY WELL DETAIL

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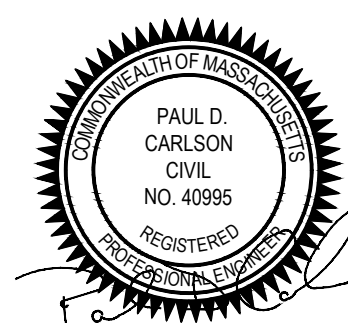
- PLAN NOTES
SERIES NUMBER: TR12-12.504G-FB-F21E
1. GRATES:
 - DUCTILE IRON PER ASTM A536 GRADE 80-55-06 (UNCOATED)
 - OPEN AREA: 0.25 FT² PER LINEAL FOOT [0.08 M² PER LINEAL METER]
 - LOAD RATING: 2496 PSI (AASHTO M-306 TEST METHOD)
 - MADE IN THE USA
 2. FORM RELEASE: NON-PETROLEUM BASED
 3. CONCRETE: CONCRETE THICKNESS AND REINFORCEMENT PER STRUCTURAL ENGINEER'S SPECIFICATION FOR THE APPLICATION.



TRENCH DRAIN

NOT TO SCALE

NOTICE OF INTENT (NOI)



PROFESSIONAL SEAL

"BRALEY WOODS CONDOMINIUM"
1471-1475 BRALEY ROAD, NEW BEDFORD
ASSESSORS MAP 137 LOTS 108 AND 109

APPLICANT:
BRALEY WOODS CONDOMINIUMS C/O DAVE HEBERT
1471-1475 BRALEY ROAD, NEW BEDFORD, MA

JOB # 18-045 SCALE: 1"= 10' DRAWN BY: PDC DATE: SEPT 11, 2018

REVISED: APRIL 25, 2019 TOWN COMMENTS



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SHEET
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