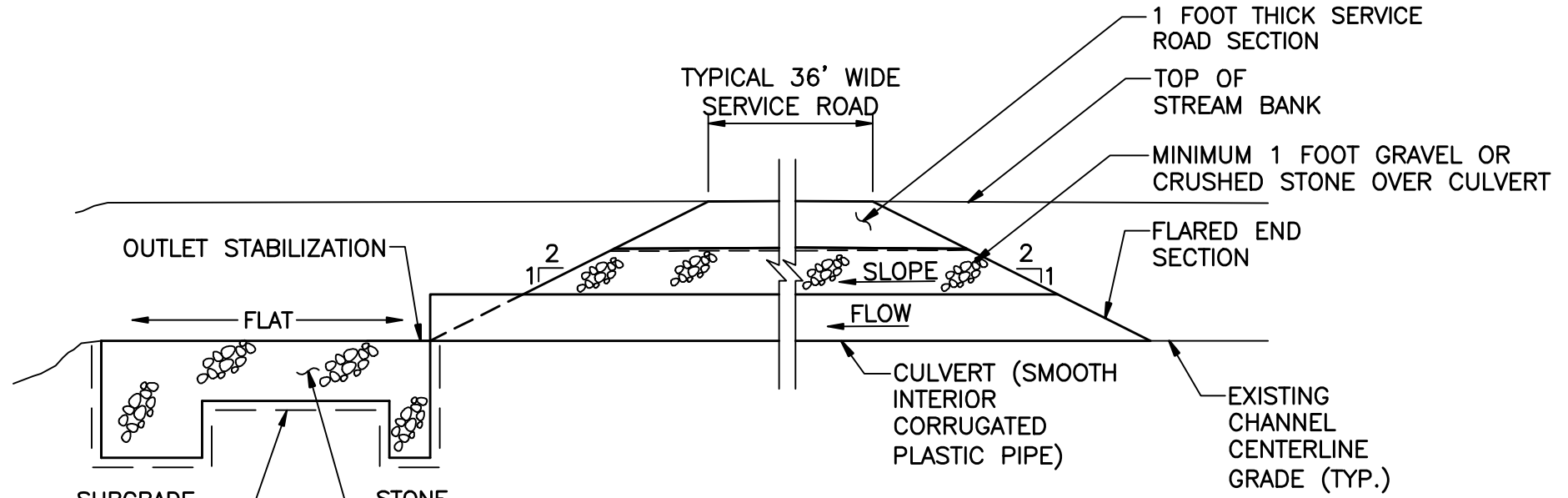
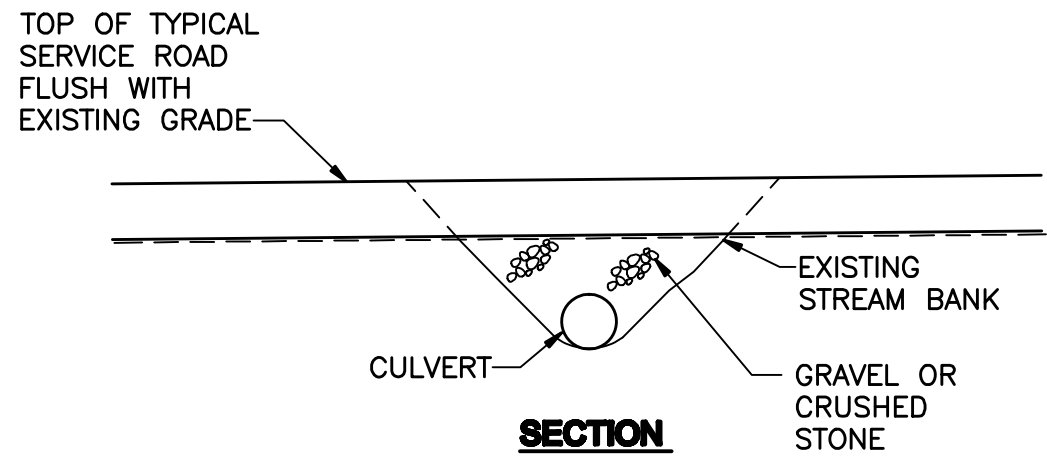


## **DRAWINGS**

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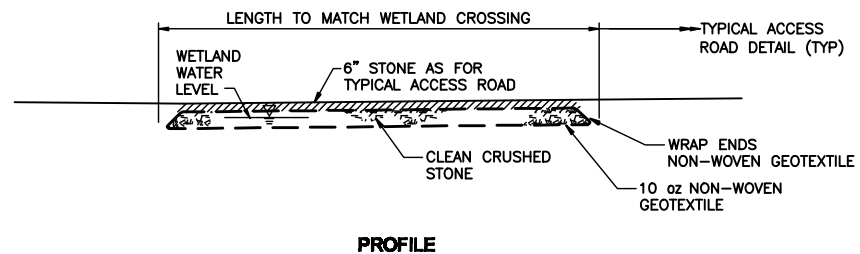


**SECTION**

**CULVERT AT STREAM CROSSING DETAIL**

NOT TO SCALE



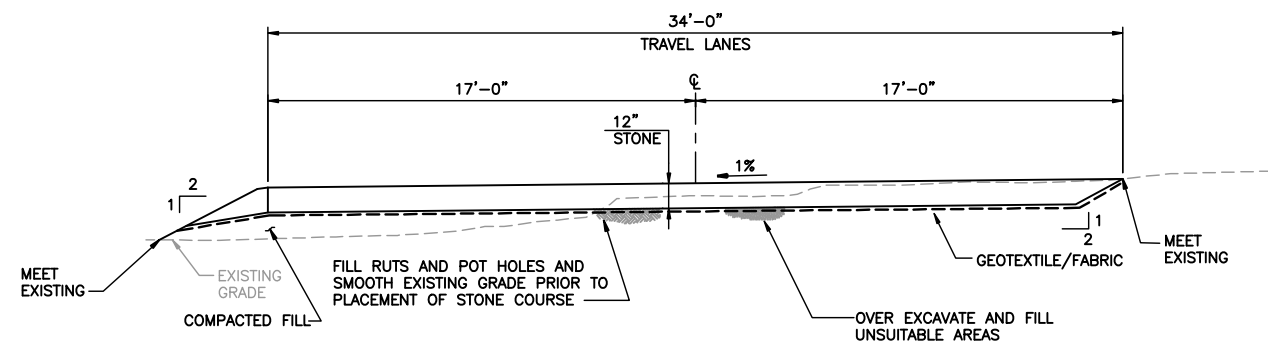


**PERVIOUS STONE FILL THROUGH WETLAND**

NOT TO SCALE

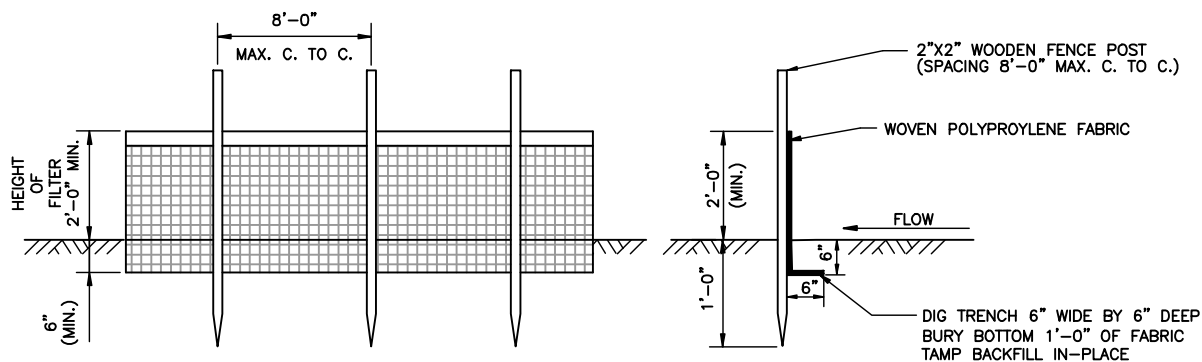
**NOTES/SPECIFICATIONS:**

- CLEAN CRUSHED STONE SHALL BE NYS DOT NO. 2 SIZE OR LARGER.



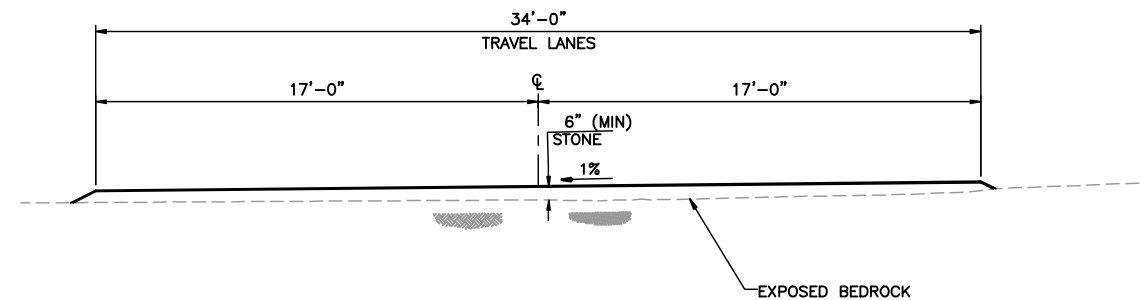
**TYPICAL ACCESS ROAD DETAIL**

1/4" = 1'-0"



**SILT FENCE DETAIL**

NTS



**TYPICAL ACCESS ROAD IN SHALLOW SOIL DETAIL**

1/4" = 1'-0"

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REVISIONS				

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 DRAWN BY: MLU  
 CHECKED BY: KJS  
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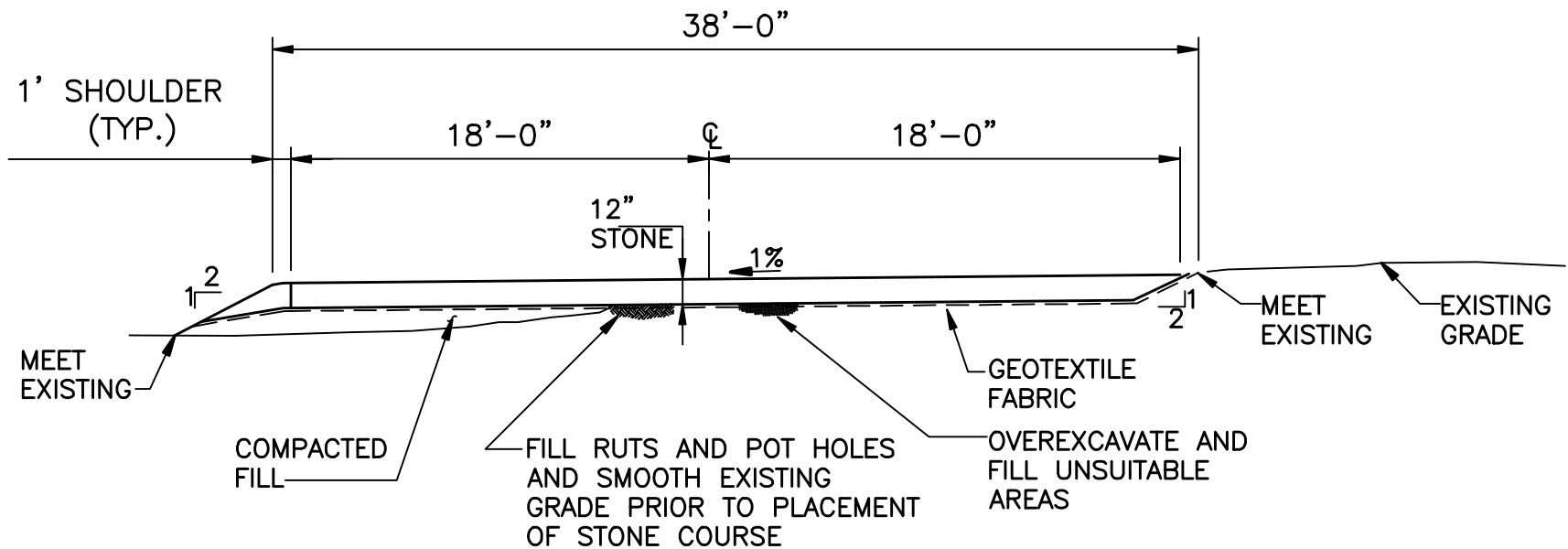
**BABCOCK & BROWN RENEWABLE HOLDING, INC.**  
 1600 SMITH STREET  
 HOUSTON, TX 77002

**CONCEPTUAL STORM WATER POLLUTION PREVENTION PLAN  
 HOUNSFIELD WIND POWER PROJECT**

TYPICAL DETAILS		
Scale: AS SHOWN	Date: JUNE 2008	D-001

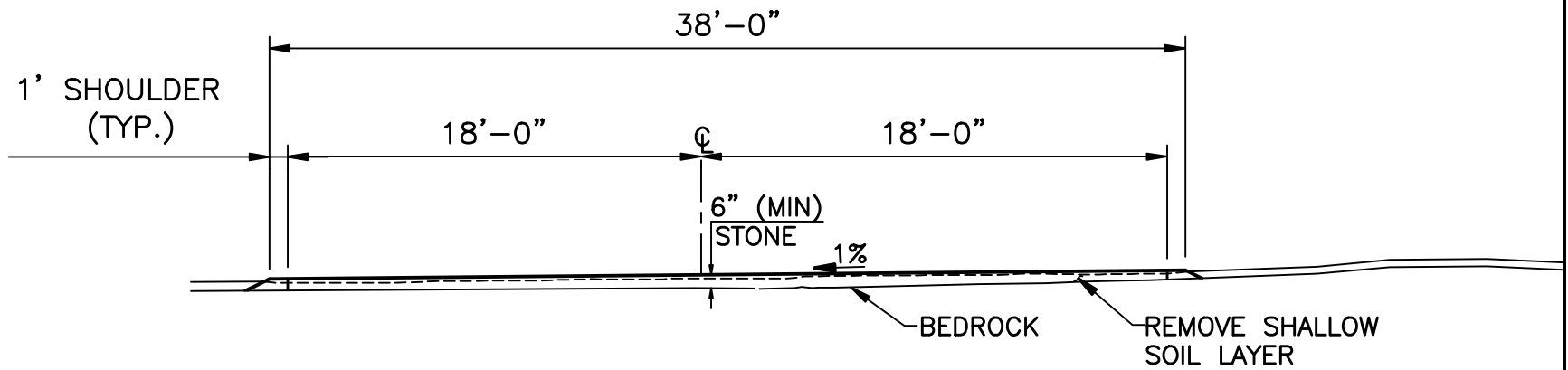
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Do not modify the original drawing. All changes must be made on a separate sheet and approved by the original author.



**TYPICAL SERVICE ROAD DETAIL**

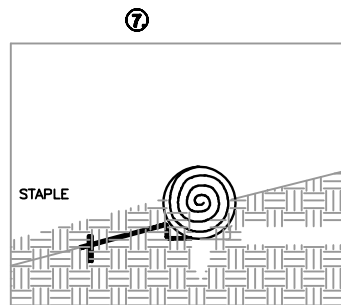
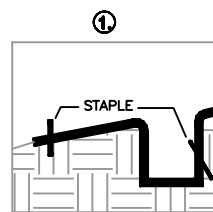
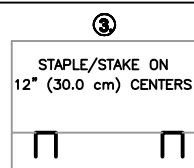
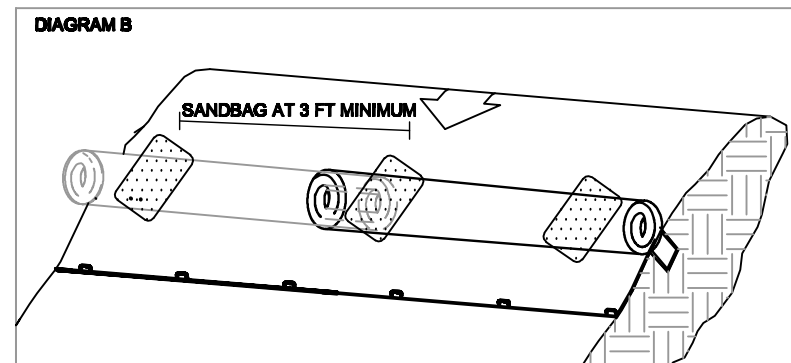
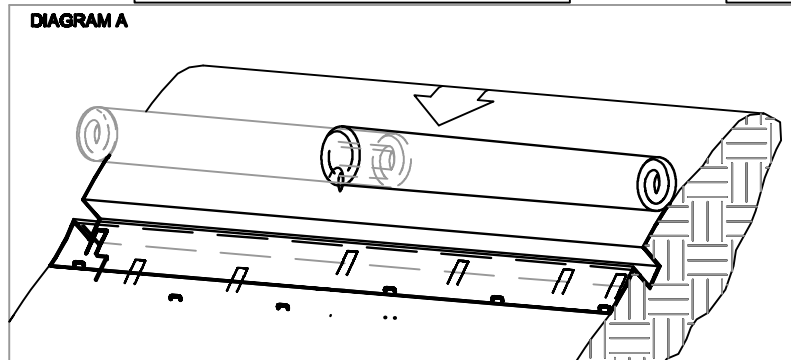
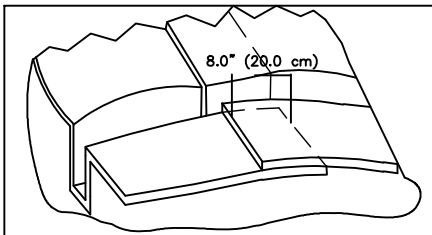
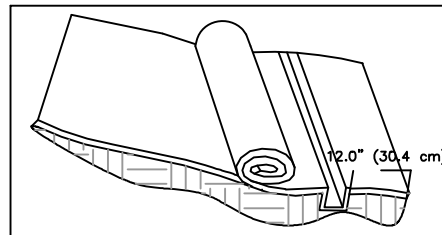
NOT TO SCALE



**TYPICAL SERVICE ROAD IN SHALLOW SOIL DETAIL**

NOT TO SCALE





**NOTES**

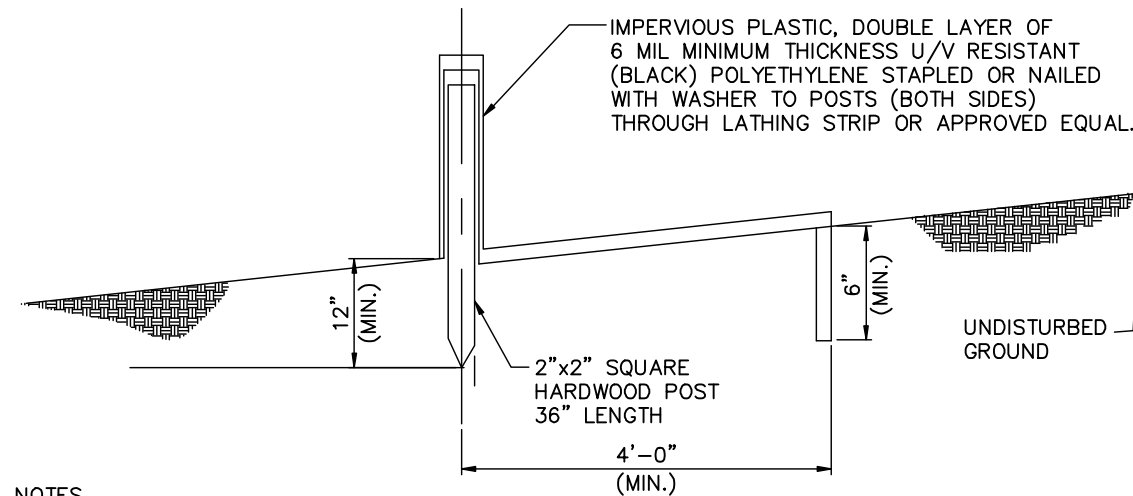
1. THIS DETAIL IS TAKEN FROM NORTH AMERICA GREEN STANDARD SPECIFICATIONS AND IS PRESENTED TO ILLUSTRATE ONE APPROACH TO SEDIMENT CONTROL THAT MAY BE EMPLOYED IN AREAS OF SHALLOW SOILS. THE CONTRACTOR MAY PROPOSE ALTERNATE PRODUCTS FOR THE ENGINEERS REVIEW AND APPROVAL.

**2. INSTALLATION PROCEDURES :**

- A. BEGIN AT THE LOCATION WHERE THE SEDIMENTSTOP (Patent Pending) IS TO BE INSTALLED BY EXCAVATING A 3' (7.6 CM) DEEP X 9' (22.9 CM) WIDE TRENCH ALONG THE CONTOUR OF THE SLOPE. EXCAVATED SOIL SHOULD BE PLACED UP-SLOPE FROM THE ANCHOR TRENCH.**
- B. UNROLL THE SEDIMENTSTOP SO THE SECTION WITH THE 2' WIDE TOP NETTING IS THE DOWN SLOPE END (SPASH APRON). THE SPASH APRON OF THE SEDIMENTSTOP SHOULD COVER THE ANCHOR TRENCH ENSURING THAT APPROXIMATELY 12' (30 CM) IS EXTENDED BEYOND THE LOWER EDGE OF THE ANCHOR TRENCH. NOTE: SEEDING MUST BE CONDUCTED PRIOR TO INSTALLATION OF THE SEDIMENTSTOP.**
- C. SECURE THE SEDIMENTSTOP IN THE ANCHOR TRENCH BY PLACING A ROW OF STAPLES/STAKES ON 12' (30 CM) CENTERS ACROSS THE ENTIRE LENGTH OF THE SEDIMENTSTOP. A SECOND ROW OF STAPLES/STAKES MUST BE PLACED ACROSS THE ENTIRE LOWER EDGE OF THE SEDIMENTSTOP SPLASH APRON ON APPROXIMATELY 12' (30 CM) CENTERS, STAGGERED WITH THE FIRST ROW OF STAPLES/STAKES.**
- D. BEGIN ROLLING THE SEDIMENTSTOP FROM ITS UPPER EDGE (UP-SLOPE EDGE) INTO A CONSISTENT ROLL DIAMETER UNTIL THE ROLL IS LOCATED IN THE ANCHOR TRENCH. IF A LARGER DIAMETER STRUCTURE IS DESIRED, PLACE ADDITIONAL ORGANIC MATERIAL (I.E. STRAW, LEAVES, PINE NEEDLES OR LAWN CLIPPINGS) ACROSS THE ENTIRE WIDTH OF THE SEDIMENTSTOP PRIOR TO ROLLING. SEE DIAGRAM 4a FOR SEAMING OF ADJACENT SEDIMENTSTOP ROLLS.**
- E. STOP ROLLING THE SEDIMENTSTOP WHEN THE ROLL IS LOCATED IN THE ANCHOR TRENCH.**
- F. SECURE THE SEDIMENTSTOP STRUCTURE TO THE SLOPE SURFACE BY PLACING SANDBAGS OR OTHER WEIGHTS ACROSS THE ROLL EVERY 3' (0.9 M) ON CENTER. IF TWO SEDIMENTSTOP STRUCTURES ARE SEAMED TOGETHER ENSURE A SANDBAG IS PLACED OVER THE SEAM. THE FINAL STRUCTURE'S DIAMETER WILL DICTATE SIZE OF SANDBAG. BOTH LONGITUDINAL ENDS SHOULD BE ANGLED UP SLOPE.**
- G. BACKFILL AND COMPACT SOIL INTO THE UP-SLOPE PORTION OF THE ANCHOR TRENCH. SMOOTH AND LEVEL ANY SOIL REMAINING ABOVE THE SEDIMENTSTOP NOT USED TO FILL THE ANCHOR TRENCH. PLACE SEED ALONG UP-SLOPE PORTION OF SEDIMENTSTOP IF REQUIRED.**

**SEDIMENTSTOP INSTALLATION IN SHALLOW SOIL**

N.T.S.



**NOTES**

- 1. THIS DETAIL IS TAKEN FROM MARYLAND STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL
- 2. INSTALLATION PROCEDURES:
  - A. 5' MAXIMUM POST SPACING.
  - B. MAINTAIN AN UNINTERRUPTED POSITIVE GRADE TO A STABLE OUTLET.
  - C. TOTAL WIDTH OF POLYETHYLENE IS 10' MINIMUM PER LAYER (FOLDED 20' WIDTH IS ACCEPTABLE).
  - D. LONGITUDINAL OVERLAPPING IS 1' MINIMUM. OVERLAP THE UPGRADE SHEET OVER THE DOWNGRADE SHEET.
  - E. MAXIMUM LONGITUDINAL SLOPE = 10%
  - F. MAXIMUM DRAINAGE AREA TO OUTLET = 2 ACRES

**TYPICAL DIVERSION FENCE**

N.T.S.

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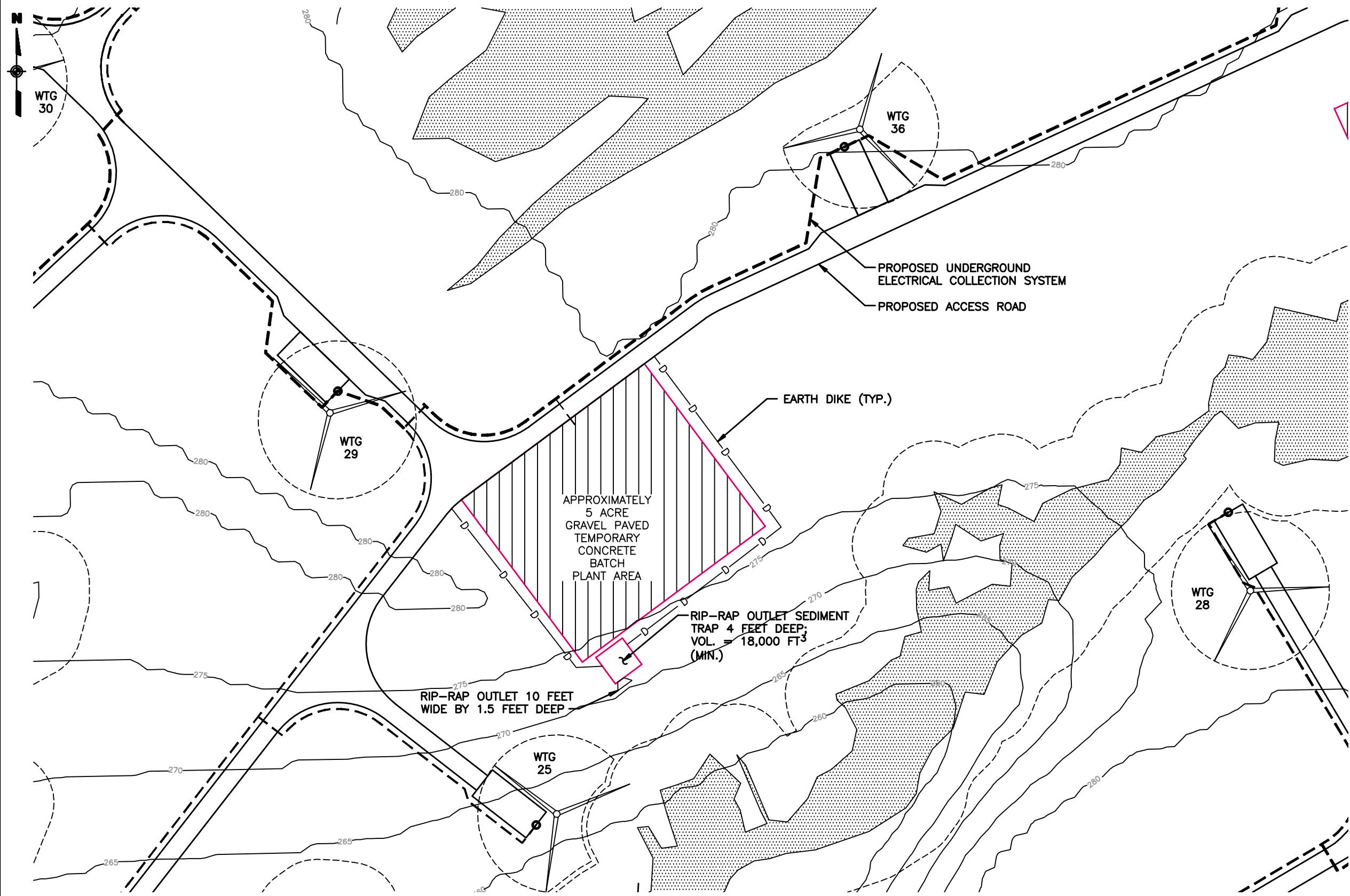
**BABCOCK & BROWN RENEWABLE HOLDING, INC.**  
 1600 SMITH STREET  
 HOUSTON TX 77002

**CONCEPTUAL STORM WATER POLLUTION PREVENTION PLAN**  
**HOUNSFIELD WIND POWER PLANT**

TYPICAL DETAILS	
Scale: AS SHOWN	Date: JUNE 2008
D-003	

**DRAFT**

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**NOTES:**

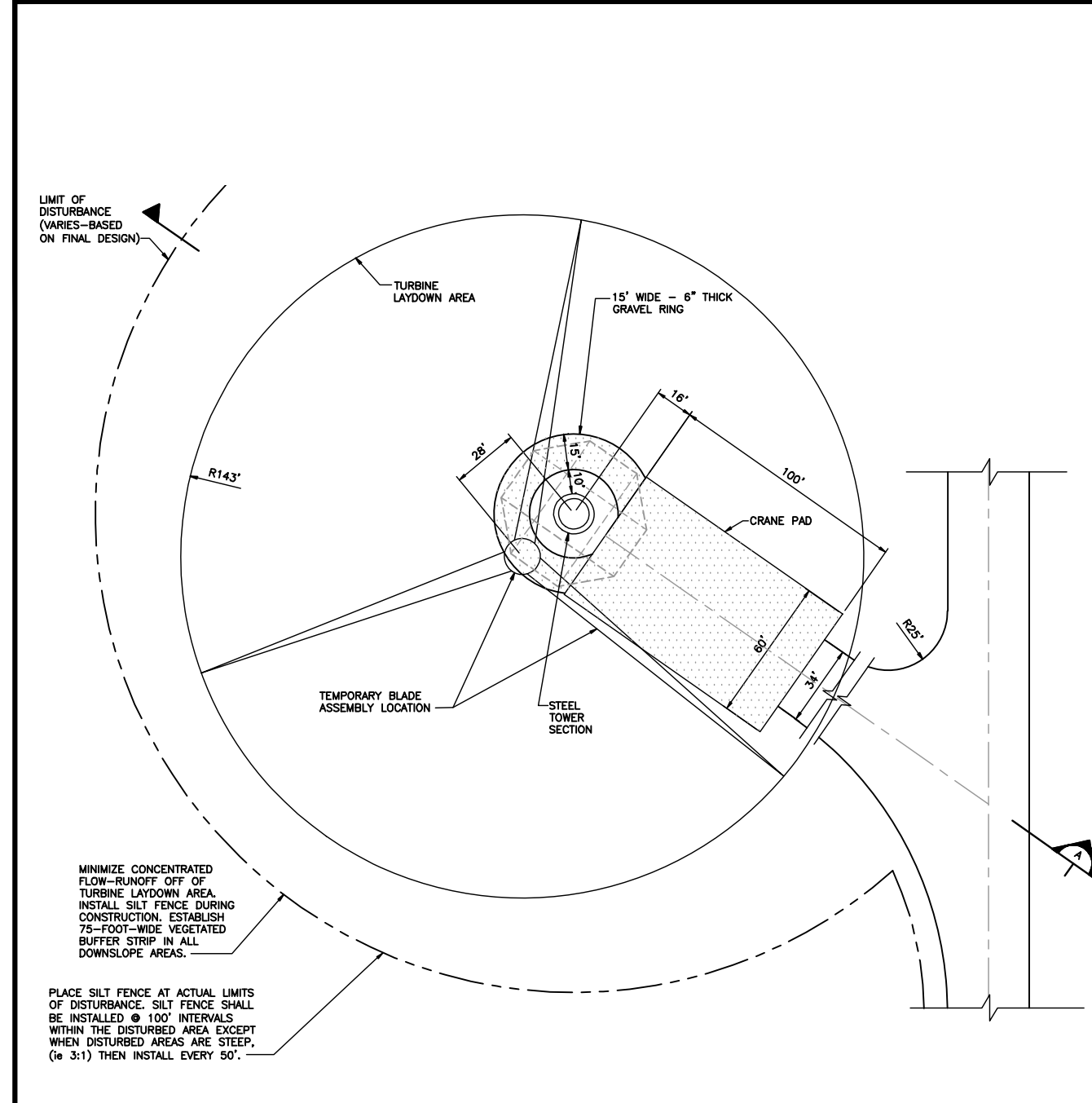
1. THE CONCRETE BATCH PLANT IS CONSIDERED A TEMPORARY FACILITY AND WILL BE OPERATIONAL DURING TWO OR THREE CONSTRUCTION SEASONS.
2. EARTH DIKE AND SEDIMENT TRAP SHALL BE CONSTRUCTED AND OPERATED IN ACCORDANCE WITH NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL (NYSSDESC).
3. THE EARTH DIKE AND SEDIMENT TRAP SHALL BE CONSTRUCTED PRIOR TO ANY WORK (CLEARING, GRUBBING, ETC.) FOR THE CONSTRUCTION OF THE TEMPORARY CONCRETE BATCH PLANT AREA.
4. WASH WATER FROM TRUCKS, MIXERS, ETC. SHALL BE COLLECTED AND TREATED AT THE WASTEWATER TREATMENT PLANT, AND SHALL NOT BE ALLOWED TO DISCHARGE TO THE STORMWATER MANAGEMENT SYSTEM.
5. BATCH PLANT AREA, SEDIMENT TRAP, AND OUTLET SIZES ARE PRELIMINARY AND WILL BE REVISED IN ACCORDANCE WITH FINAL DESIGN.
6. THE FINISHED GRADES OF THE TEMPORARY CONCRETE BATCH PLANT AREA (AND OTHER COMPONENTS OF THE PROJECT SUCH AS ACCESS ROADS) HAVE NOT BEEN DEVELOPED BUT WILL GENERALLY FOLLOW EXISTING GRADE. THUS, THE RUN-OFF FROM THE TEMPORARY CONCRETE BATCH PLANT AREA PAVEMENT WILL FLOW TO THE SOUTH TOWARDS THE SEDIMENT TRAP.
7. THE EROSION AND SEDIMENT CONTROL MEASURES SHOWN HERE ADDRESS ONLY THE CONSTRUCTION AND OPERATION OF THE TEMPORARY CONCRETE BATCH PLANT AREA. EROSION AND SEDIMENT MEASURES ADDRESSING THE CONSTRUCTION OF OTHER COMPONENTS OF THE PROJECT (ROADS, WTG'S, ETC.) WILL BE DEVELOPED SEPARATELY AND ARE NOT SHOWN.

**LEGEND**

- WTG 44 WIND TURBINE GENERATOR
- APPROXIMATE WETLAND LOCATION
- 100' NYSDEC WETLAND BUFFER
- ELEVATION CONTOUR

0' 100' 200'  
SCALE: 1" = 100'-0"

CLIENT: BABCOCK AND BROWN RENEWABLE HOLDINGS, INC.	HOUNSFIELD WIND FARM
<b>URS Corporation</b> 77 Goodell Street, Buffalo, N.Y. 14203 (716)856-5636 - (716)856-2545 fax	DRAFT ENVIRONMENTAL IMPACT STATEMENT EROSION AND SEDIMENT CONTROL FOR TEMPORARY CONCRETE BATCH PLANT
DATE: JANUARY 2009	FIGURE 1

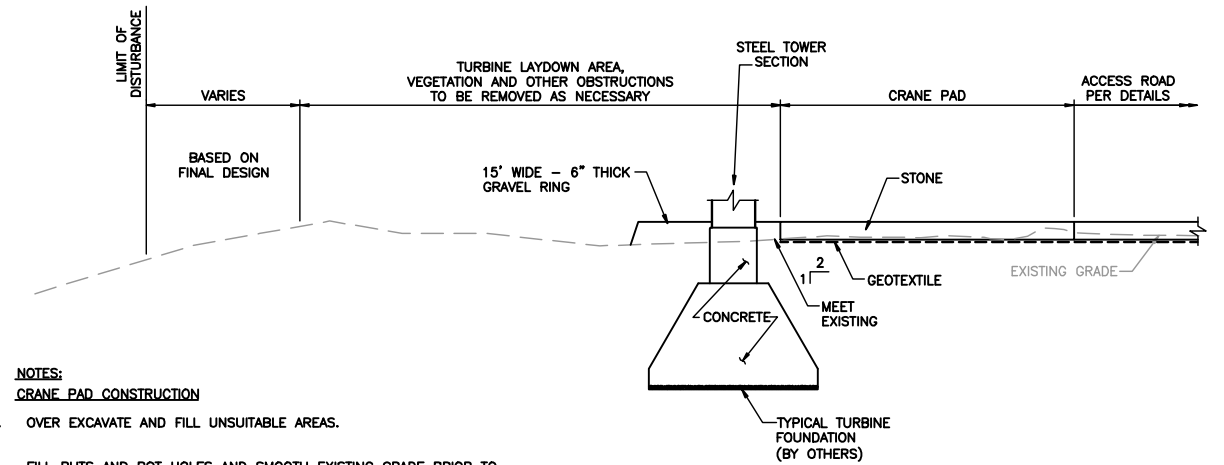
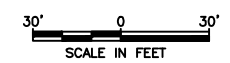


LIMIT OF DISTURBANCE (VARIES-BASED ON FINAL DESIGN)

MINIMIZE CONCENTRATED FLOW-RUNOFF OFF OF TURBINE LAYDOWN AREA. INSTALL SILT FENCE DURING CONSTRUCTION. ESTABLISH 75-FOOT-WIDE VEGETATED BUFFER STRIP IN ALL DOWNSLOPE AREAS.

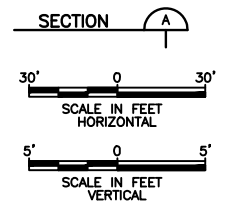
PLACE SILT FENCE AT ACTUAL LIMITS OF DISTURBANCE. SILT FENCE SHALL BE INSTALLED @ 100' INTERVALS WITHIN THE DISTURBED AREA EXCEPT WHEN DISTURBED AREAS ARE STEEP, (ie 3:1) THEN INSTALL EVERY 50'.

**TYPICAL TURBINE LAYOUT DETAIL**



**NOTES:**  
**CRANE PAD CONSTRUCTION**

- OVER EXCAVATE AND FILL UNSUITABLE AREAS.
- FILL RUTS AND POT HOLES AND SMOOTH EXISTING GRADE PRIOR TO PLACEMENT OF STONE COURSE.
- STONE SHALL BE A MINIMUM OF 12" THICKNESS, EXCEPT WHEN PLACED DIRECTLY ON BEDROCK, WHEN THE MINIMUM THICKNESS MAY BE REDUCED TO 6".
- LEVEL THE CRANE PADS TO MAXIMUM 1% SLOPE IN ANY DIRECTION.
- COMPACT CRANE PAD TO PROVIDE A GROUND BEARING CAPACITY OF NOMINAL 3,600 POUNDS PER SQUARE FOOT IN WET OR DRY CONDITIONS.
- BACKFILL THE TRANSITION WITH THE SUBGRADE MATERIAL.



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**BABCOCK & BROWN**  
**RENEWABLE HOLDING, INC.**  
 HOUSTON TX 77002

**CONCEPTUAL STORM WATER**  
**POLLUTION PREVENTION PLAN**

**TYPICAL DETAILS**

Scale: AS SHOWN	Date: JUNE 2008	D-002
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