

TYPE OF SPECIES	YEAR	ANALYSIS OR EQUIVALENT N-P-K	RATE	N TOP DRESSING RATE
1. COOL SEASON GRASSES	FIRST SECOND MAINTENANCE	6-12-12 6-12-12 10-10-10	1500LBS./AC. 100LBS./AC. 400LBS./AC.	50-100 LBS./AC. 1/ 2/ 30
2. COOL SEASON GRASSES AND LEGUMES	FIRST SECOND MAINTENANCE	6-12-12 6-12-12 10-10-10	1500LBS./AC. 100LBS./AC. 400LBS./AC.	0-50 LBS./AC. 1/ 30
3. GROUND COVERS	FIRST SECOND MAINTENANCE	10-10-10 10-10-10 10-10-10	1300LBS./AC. 3/ 1300LBS./AC. 3/ 1100LBS./AC.	-
4. SHRUB LESPEDEZA	FIRST MAINTENANCE	0-10-10 0-10-10	700LBS./AC. 4/ 700LBS./AC. 4/	-
5. TEMPORARY COVER CROPS SEEDD ALONE	FIRST MAINTENANCE	10-10-10	500LBS./AC.	30 LBS./AC. 5/
6. WARM SEASON GRASSES	FIRST SECOND MAINTENANCE	6-12-12 6-12-12 10-10-10	1500LBS./AC. 800LBS./AC. 400LBS./AC.	50-100 LBS./AC. 2/ 6/ 50-100 LBS./AC. 2/ 50 LBS./AC.
7. WARM SEASON GRASSES AND LEGUMES	FIRST SECOND MAINTENANCE	6-12-12 6-12-12 10-10-10	1500LBS./AC. 100LBS./AC. 400LBS./AC.	50 LBS./AC. 6/

1. APPLY IN SPRING FOLLOWING SEEDING.
2. APPLY IN SPLIT APPLICATIONS WHEN HIGH RATES ARE USED. 1. DRY HAY: 2-1/2 TONS PER ACRE
3. APPLY IN SPLIT APPLICATIONS.
4. APPLY WHEN PLANTS ARE PRUNED.
5. APPLY TO GRASS SPECIES ONLY.
6. APPLY WHEN PLANTS GROW TO A HEIGHT OF 2 TO 4 INCHES.

**FM FERTILIZER & MULCHING REQUIREMENTS**

SPECIES	BROADCAST PER ACRE PER 1000 SF AREA	RESOURCE	PLANTING DATES	REMARKS
BARLEY (HORDEUM VULGARE) ALONE IN MIXTURES	144 LBS. 3.3 LBS. 24 LBS. 0.6 LBS.	M-L P C	J F M A M J J A S O N D	14,000 SEED PER POUND WINTERHARDY. USE ON PRODUCTIVE SOILS.
LESPEDEZA ANNUAL (LESPEDEZA STRATA) ALONE IN MIXTURES	40 LBS. 0.9 LBS. 10 LBS. 0.2 LBS.	M-L P C	J F M A M J J A S O N D	200,000 SEED PER POUND MAY LAST FOR SEVERAL YEARS. MAY WITH SERICA LESPEDEZA
LOVE GRASS, WEAVING (EHRHARTIA CALYPSO) ALONE IN MIXTURES	4 LBS. 0.1 LBS. 2 LBS. 0.05 LBS.	M-L P C	J F M A M J J A S O N D	1,500,000 SEED PER POUND MAY LAST FOR SEVERAL YEARS.
MILLET BROWN TOP (Panicum fasciculatum) ALONE IN MIXTURES	40 LBS. 0.9 LBS. 10 LBS. 0.2 LBS.	M-L P C	J F M A M J J A S O N D	1,377,000 SEED PER POUND. QUICK DENSE COVER. WILL PROVIDE TOO MUCH COMPETITION IN MIXTURES IF SEEDS AT HIGH RATES.
RICE (SECALE CEREALE) ALONE IN MIXTURES	3 BU 1/2 BU 3.9 LBS. 0.6 LBS.	M-L P C	J F M A M J J A S O N D	18,000 SEED PER POUND. QUICK COVER DROUGHT TOLERANT AND WINTERHARDY.
RYEGRASS, ANNUAL (LOLIUM TEMULENTUM) ALONE	40 LBS. 0.9 LBS.	M-L P C	J F M A M J J A S O N D	207,000 SEED PER POUND. DENSE COVER. VERY COMPETITIVE & IS NOT TO BE USED IN MIXTURES.

**TS DISTURBED AREA STABILIZATION (TEMP)**

SPECIES	BROADCAST PER ACRE PER 1000 SF AREA	RESOURCE	PLANTING DATES	REMARKS
BERNARDIA COMMON MULLED SEED ALONE WITH OTHER PERENNIALS	10 LBS. 0.2 LBS. 6 LBS. 0.1 LBS.	P C	J F M A M J J A S O N D	1,747,000 SEED PER POUND. QUICK COVER. LOW GROWING AND SOIL FORMING. FULL SUN. GOOD FOR ATHLETIC FIELDS.
BERNARDIA COMMON UNMULLED SEED W/ TEMP COVER WITH OTHER PERENNIALS	10 LBS. 0.2 LBS. 6 LBS. 0.1 LBS.	P C	J F M A M J J A S O N D	PLANT WITH WINTER ANNUALS PLANT WITH TALL FESCUE.
BERNARDIA COMMON UNMULLED SEED W/ TEMP COVER WITH OTHER PERENNIALS	10 LBS. 0.2 LBS. 6 LBS. 0.1 LBS.	P C	J F M A M J J A S O N D	DROUGHT TOLERANT. FULL SUN OR PARTIAL SHADE. EFFECTIVE ADJACENT TO CONC. & IN CONFINED FLOW AREAS. IRRIGATION IS NEEDED UNTIL FULLY ESTABLISHED. DO NOT PLANT NEAR PASTURES.
CROWWATECH (CROWN VETCH) WITH WINTER ANNUALS OR COOL SEASON GRASSES	15 LBS. 0.3 LBS.	M-L P	J F M A M J J A S O N D	100,000 SEED PER POUND. DENSE GROWTH. DROUGHT TOLERANT & FIRE RESISTANT. USE FROM NORTH ATLANTA AND NORTHWARD.
FESCUE, TALL (FESTUCA ARUNDINACEA) ALONE W/ OTHER PERENNIALS	50 LBS. 1.1 LBS. 30 LBS. 0.7 LBS.	M-L P C	J F M A M J J A S O N D	227,000 SEED PER POUND. USE ALONE ONLY ON BETTER SITES. NOT FOR DROUGHTY SOILS. NOT FOR HEAVY USE.
LESPEDEZA (FABRICA VERTICATA) UNMULLED SEED	80 LBS. 1.4 LBS. 75 LBS. 1.7 LBS.	M-L P C	J F M A M J J A S O N D	300,000 SEED PER POUND. HEIGHT OF GROWTH IS 18 TO 24 INCHES. ADVANTAGES IN URBAN AREAS. MIX W/ CREEPING LOVE GRASS, COMMON BERNARDIA, BAHIA, TALL FESCUE, OR WINTER ANNUALS. INOCULATE SEED W/ INOCULANT.

**PS DISTURBED AREA STABILIZATION (PERM)**

- SEDIMENT & EROSION CONTROL NOTES:**
1. CONTRACTOR IS TO ADHERE TO THE TENNESSEE EROSION & SEDIMENT CONTROL HANDBOOK, & THE BEST MANAGEMENT PRACTICES MANUAL OF THE STORM WATER MANAGEMENT DEPARTMENT OF PUBLIC WORKS FOR COFFEE COUNTY.
  2. CONTRACTOR SHALL BE RESPONSIBLE DURING CONSTRUCTION FOR THE CONTINUOUS MAINTENANCE OF SEDIMENT & EROSION CONTROL MEASURES AS CALLED FOR ON THE DRAWINGS & PER THE TN EROSION & SEDIMENT CONTROL HANDBOOK & THE REQUIREMENTS OF COFFEE COUNTY.
  3. SEDIMENT & EROSION CONTROL FACILITIES, & STORM DRAINAGE FACILITIES SHALL BE CONSTRUCTED PRIOR TO ANY OTHER CONSTRUCTION.
  4. SEDIMENT & EROSION CONTROL MEASURES SHALL NOT BE REMOVED UNTIL ALL CONSTRUCTION IS COMPLETE & UNTIL A PERMANENT GROUND COVER HAS BEEN ESTABLISHED.
  5. ALL GRADED AREAS SHALL BE STABILIZED WITH A TEMPORARY FAST GROWING COVER AND/OR MULCH, NO LATER THAN 2 WEEKS AFTER. EARTH DISTURBING ACTIVITY ENDS IN THOSE AREAS WHERE GRADING ACTIVITY HAS CEASED & FINE GRADING WILL NOT TAKE PLACE FOR AT LEAST 15 DAYS.
  6. EXISTING DRAINAGE STRUCTURES TO BE INSPECTED, REPAIRED AS NEEDED & CLEANED OUT TO REMOVE ALL SILT & DEBRIS.
  7. SEEDING & FERTILIZING RATES FOR TEMPORARY AND PERMANENT STANDS OF GRASS SHALL BE PER CHARTS ON DETAIL SHEET.
  8. ADDITIONAL EROSION CONTROL DEVICES SHALL BE USED AS REQUIRED.
  9. SILT FENCE AND/OR SILT LOGS SHALL BE CLEANED OR REPLACED WHEN SILT BUILDS UP TO 50% CAPACITY OF SILT FENCE AND/OR SILT LOGS.
  10. IF ANY FINES OR PENALTIES ARE LEVIED AGAINST THE PROPERTY OR PROPERTY OWNER BECAUSE OF LACK OF EROSION AND/OR SEDIMENT CONTROL, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PAYMENT OF SUCH FINES OR PENALTIES ON THE COST OF ANY FINES OR PENALTIES SHALL BE DEDUCTED FROM THE CONTRACT AMOUNT.
  11. EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION & SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.
  12. CONSTRUCTION EXIT SHALL BE MAINTAINED ON A CONTINUOUS BASIS.
  13. THE CONTRACTOR SHALL USE WHATEVER MEASURES ARE REQUIRED TO PREVENT SILT & CONSTRUCTION DEBRIS FROM FLOWING ONTO ADJACENT PROPERTIES. THIS CAN BE ACCOMPLISHED BY SMALL TEMPORARY SILT FENCES OR STAPLE STAKES OR BARRIERS OR BARRIERS OF BARRIERS OF BARRIERS AND/OR BALES OF STRAW. CONTRACTOR SHALL COMPLY WITH ALL LOCAL EROSION, CONSERVATION, & SILTATION ORDINANCES. CONTRACTOR SHALL REMOVE ALL TEMPORARY EROSION CONTROL STRUCTURES UPON COMPLETION OF PERMANENT DRAINAGE FACILITIES & THE ESTABLISHMENT OF A STAND OF GRASS SUFFICIENT TO PREVENT EROSION.
  14. CONTRACTOR SHALL TAKE ALL AVAILABLE PRECAUTIONS TO CONTROL DUST. CONTRACTOR SHALL CONTROL DUST BY SPRINKLING, BY APPLYING CALCIUM CHLORIDE, OR BY OTHER METHODS AS DIRECTED BY ENGINEER AND/OR OWNER'S REPRESENTATIVE, AT NO ADDITIONAL COST TO OWNER.
  15. CONTRACTOR TO COMPLY WITH ALL STATE & LOCAL SEDIMENT CONTROL AND AIR POLLUTION ORDINANCES OR RULES.
  16. ALL DISTURBED AREA TO BE GRASSED.
  17. TEMPORARY EROSION CONTROL DEVICES TO BE INSTALLED PRIOR TO BEGINNING OF GRADING. CONTRACTOR SHALL MAINTAIN ALL TEMPORARY EROSION CONTROL DEVICES, & SHALL REMOVE SILT FORM BERM DITCHES, SILT DAMS, & SILT FENCES AS NEEDED.
  18. ALL SIDE DITCHES TO BE CLEANED AND/OR REGRADED TO PROVIDE PROPER DRAINAGE.
  19. ALL AREAS NOT OTHERWISE SURFACED ARE TO BE SEED, LANSCAPED, MULCHED, WATERED & MAINTAINED UNTIL AN ADEQUATE STAND OF GRASS IS OBTAINED.
  20. SEEDING & FERTILIZING RATES FOR TEMPORARY & PERMANENT STANDS OF GRASS SHALL BE PER THE CITY OF CHATTANOOGA BEST MANAGEMENT PRACTICES MANUAL OF THE STORM WATER DEPARTMENT OF PUBLIC WORKS FOR COFFEE COUNTY.
  21. EROSION CONTROL PRACTICES FOR THIS SITE HAVE BEEN DESIGNED FOR THE 5-YEAR, 24-HOUR STORM EVENT, AS REQUIRED BY TN GENERAL PERMIT SECTION 5.4.1A.

**LAND DISTURBING ACTIVITY NOTES:**  
 VEGETATION: TOP SOIL WILL BE SALVAGED, STOCK PILED & SPREAD ON AREAS TO BE VEGETATED. TREES OUTSIDE OF THE CLEARING LINE WILL BE PROTECTED FROM DAMAGE BY APPROPRIATE MARKINGS. SUPPLEMENTAL VEGETATION WILL BE ESTABLISHED UPON COMPLETION OF PERMANENT DRAINAGE FACILITIES & THE ESTABLISHMENT OF A STAND OF GRASS SUFFICIENT TO PREVENT EROSION.  
 EROSION CONTROL PROGRAM: CLEARING WILL BE KEPT TO A MINIMUM. VEGETATION & MULCH WILL BE APPLIED TO APPLICABLE AREAS IMMEDIATELY AFTER GRADING IS COMPLETED. LAND DISTURBING WILL BE EMPLOYED TO PREVENT EROSION IN AREAS OF CONCENTRATED WATER FLOWS. EROSION AT THE EXITS OF ALL STORM WATER STRUCTURES WILL BE PREVENTED BY THE INSTALLATION OF STORM DRAIN OUTLET PROTECTION DEVICES.  
 SEDIMENT CONTROL PROGRAM: SEDIMENT CONTROL WILL BE ACCOMPLISHED BY THE INSTALLATION OF SEDIMENT BASINS, SEDIMENT FENCES & ADDITIONAL MEASURES AS REQUIRED. DIVERSIONS WILL BE EMPLOYED TO DIVERT SEDIMENT LADEN RUNOFF INTO THE SEDIMENT BASINS & TO PROTECT CUT AND FILL SLOPES FROM PROXIMATE WATER FLOWS. A TEMPORARY CONSTRUCTION EXIT WILL BE EMPLOYED TO PREVENT THE TRANSPORT OF SEDIMENT FROM SITE BY VEHICULAR TRAFFIC.  
 STANDARDS & SPECIFICATIONS: ALL DESIGNS WILL CONFORM TO AND ALL WORK WILL BE PERFORMED IN ACCORDANCE WITH THE STANDARDS & SPECIFICS OF THE PUBLICATION ENTITLED "THE TENNESSEE EROSION & SEDIMENT CONTROL HANDBOOK & THE BEST MANAGEMENT PRACTICES MANUAL OF THE STORM WATER MANAGEMENT DEPARTMENT OF PUBLIC WORKS FOR HAMILTON COUNTY."  
 MAINTENANCE PROGRAM: SEDIMENT & EROSION CONTROL MEASURES WILL BE INSPECTED DAILY. ANY DAMAGES OBSERVED WILL BE REPAIRED BY THE END OF THAT DAY. CLEAN OUT OF SEDIMENT CONTROL STRUCTURES WILL BE ACCOMPLISHED IN ACCORDANCE WITH THE SPECIFICATIONS & REQUIREMENTS OF THE STORM WATER MANAGEMENT DEPARTMENT OF PUBLIC WORKS FOR HAMILTON COUNTY. SPREADING ON THE SITE. SEDIMENT BASINS & BARRIERS WILL BE REINFORCED IN PLACE UNTIL SEDIMENT CONTRIBUTING AREAS ARE STABILIZED. SEDIMENT CONTROL FENCES, & THE BARRIERS WILL THEN BE REMOVED & THE AREAS OCCUPIED BY THESE STRUCTURES VEGETATED. GUIDELINES FOR THE MAINTENANCE OF ESTABLISHED VEGETATION WILL BE PROVIDED TO THE OWNER WHEN ALL DISTURBED AREAS ARE STABILIZED.  
 CONCRETE TRUCKS: THE CONTRACTOR SHALL PROVIDE A BERMED AREA FOR CONCRETE TRUCKS TO "WASH-DOWN". CONTRACTOR TO PERIODICALLY REMOVE CONCRETE WASTE & BYPRODUCTS AND DISPOSE OF PROPERLY.

ACTIVITY	2018											
	J	F	M	A	M	J	J	A	S	O	N	D
1. INSTALL SEDIMENT CONTROLS												
2. DEMOLITION & GRADING												
3. STORM DRAIN INSTALLATION												
4. SANITARY SEWER INSTALLATION												
5. UTILITY INSTALLATION												
6. GRASS (TEMP.) (PERM.)												
7. MAINTAIN EROSION CONTROL												
8. BLDG. CONST. & PAVING												
9.												
10.												
11. FINAL LANDSCAPING												
CLEAN UP												

THE ABOVE CONSTRUCTION SEQUENCES ARE ANTICIPATED SERIES OF CONSTRUCTION EVENTS.

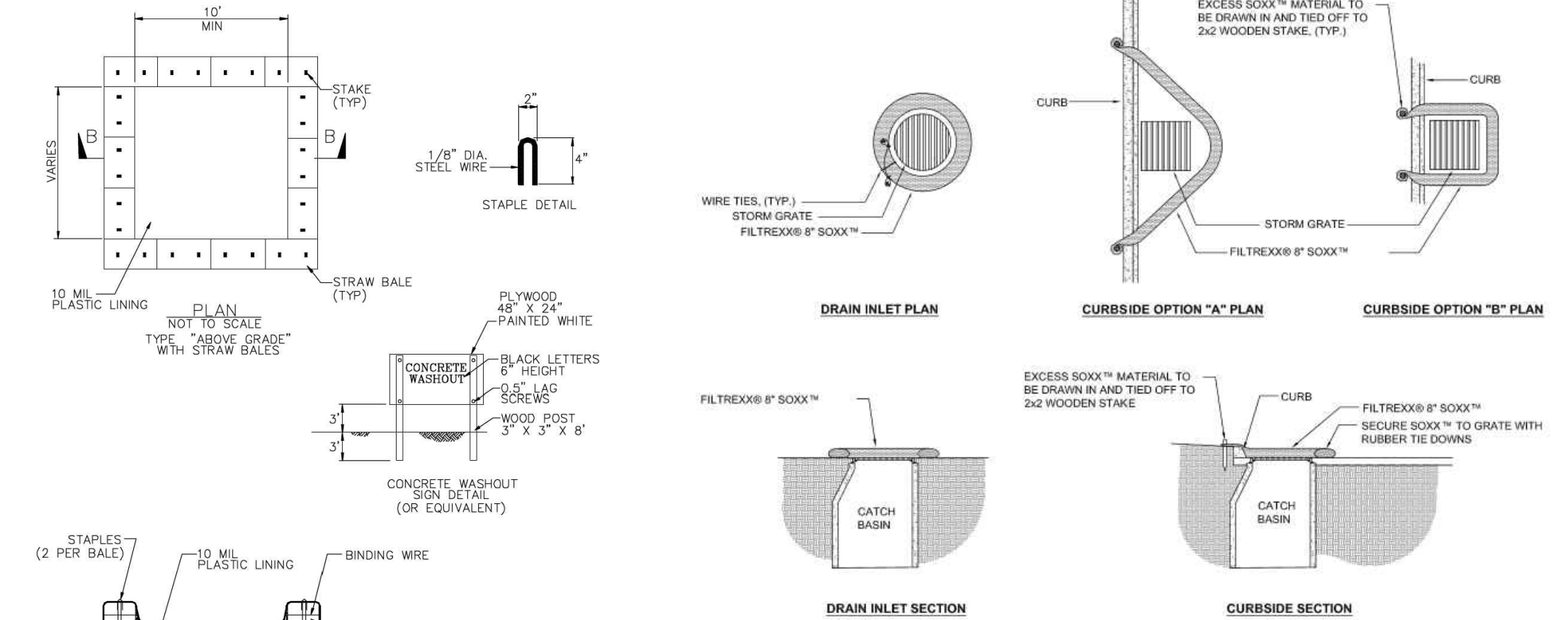
**24 HOUR EMERGENCY CONTACT:**  
 PHONE: \_\_\_\_\_

**OWNERS REPRESENTATIVE RESPONSIBLE FOR EROSION CONTROL IS CONTRACTOR TO AMEND**  
**PHONE# CONTRACTOR TO AMEND**  
 SITE EROSION CONTROLS SHALL BE CHECKED AND, IF NECESSARY, REPAIRED WEEKLY & WITHIN 24 HOURS OF EACH RAINFALL GREATER THAN 1/2". IN THE EVENT OF CONTINUOUS RAINFALL, EROSION CONTROLS SHALL BE CHECKED DAILY.  
 REPRESENTATIVE MUST BE TNPSFC LEVEL I CERTIFIED

**MULCHING APPLICATION REQUIREMENTS**

MATERIAL	RATE	DEPTH
STRAW OR HAY	2-1/2 TON/ACRE	6" TO 10"
WOOD WASTE, CHIPS, SAWDUST, BARK	6 TO 9 TON/ACRE	2" TO 3"
CUTBACK ASPHALT	1200 GAL./ACRE OR 1/4 GAL./SY	----
POLYETHYLENE FILM	SECURE WITH SOIL ANCHORS, WEIGHTS	----
CUTBACK ASPHALT	SECURE WITH SOIL ANCHORS, WEIGHTS	----
GEOTEXTILES, WIRE MATING, NETTING, ETC.	SEE MANUFACTURER'S RECOMMENDATIONS	----

**FM (WITH MULCHING ONLY)**



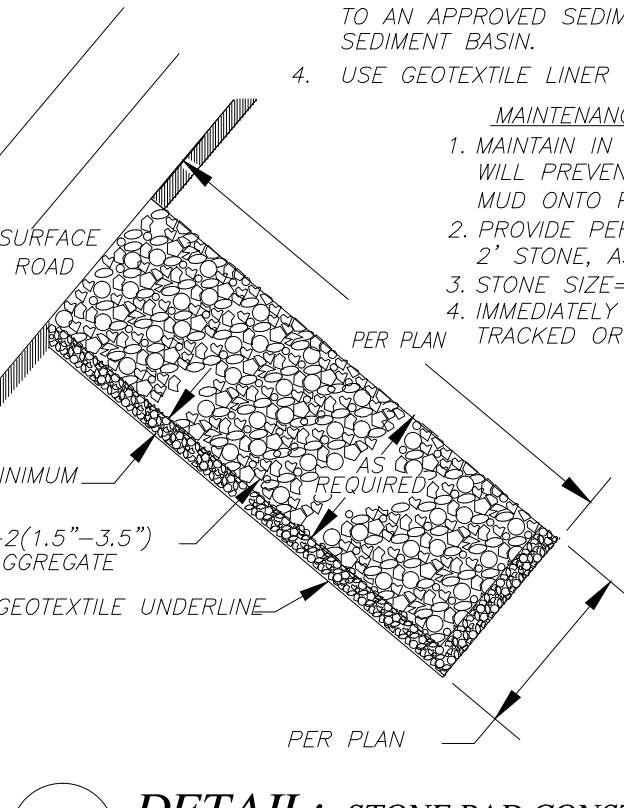
**DETAIL: WATTLE INLET PROTECTION (NTS)**

NOTES:  
 1. ALL MATERIAL TO MEET FILTERWELL SPECIFICATIONS.  
 2. FILTER MEDIA "F" TO MEET APPLICATION REQUIREMENTS.  
 3. COMPOST MATERIAL TO BE DISPERSED ON SITE, AS DETERMINED BY ENGINEER.

**CW DETAIL: CONCRETE WASHOUT (NTS)**

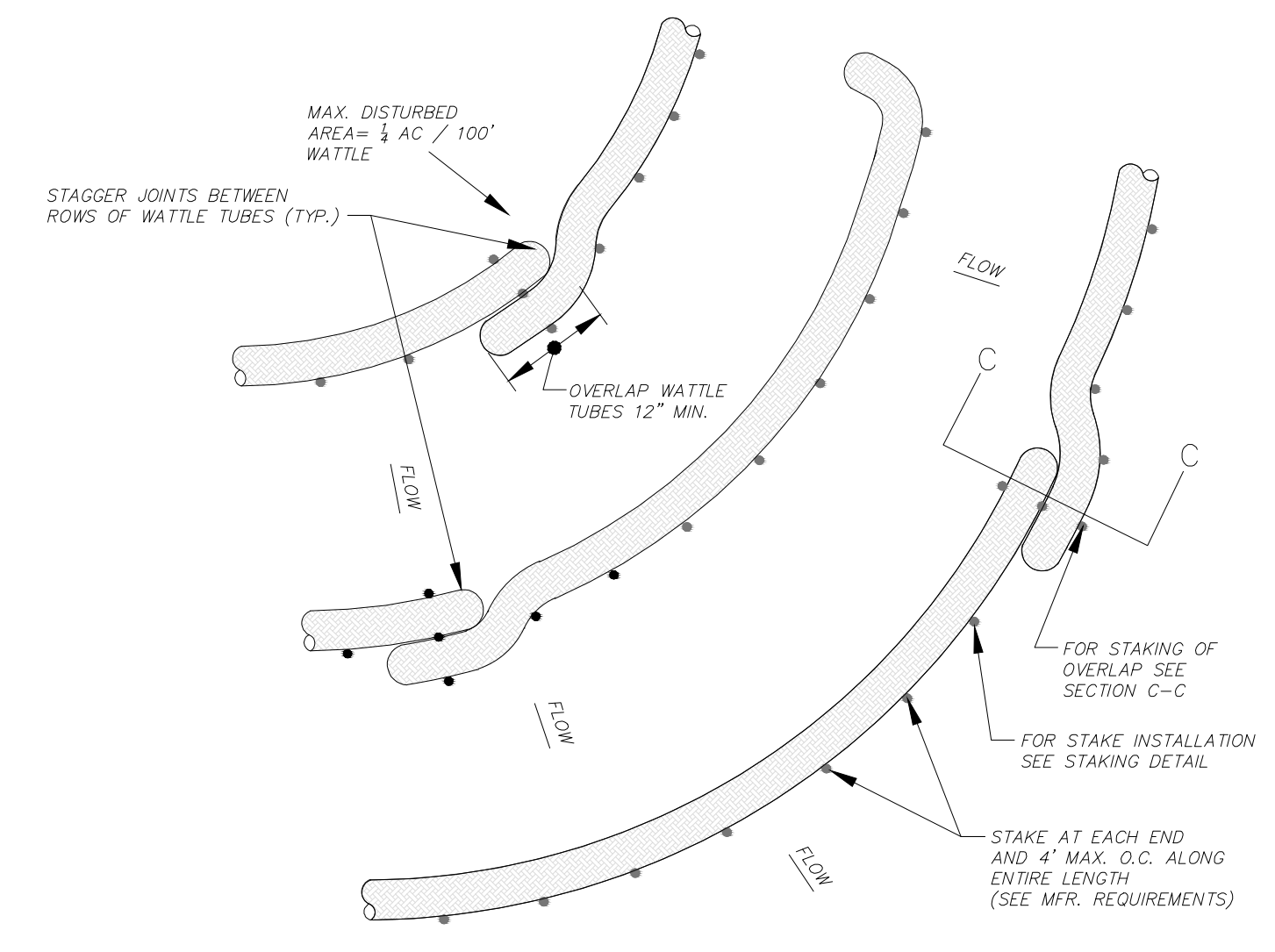
- INSTALLATION:**
1. WIDTH=FULL WIDTH OF VEHICULAR ACCESS, 30' MINIMUM.
  2. EXCAVATE FOOTPRINT 3 INCHES (IF REQ'D) TO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.
  3. ROUTE RUNOFF FROM WASHING (IF REQ'D) TO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.
  4. USE GEOTEXTILE LINER

- MAINTENANCE:**
1. MAINTAIN IN A CONDITION THAT WILL PREVENT TRACKING OR MUD ONTO PUBLIC ROW
  2. PROVIDE PERIODIC TOP DRESSING W/ 2" STONE, AS NECESSARY.
  3. STONE SIZE= 1-1/2" TO 3-1/2" DIA.
  4. IMMEDIATELY REMOVE MUD & DEBRIS TRACKED OR SPILLED ONTO ROADWAY.

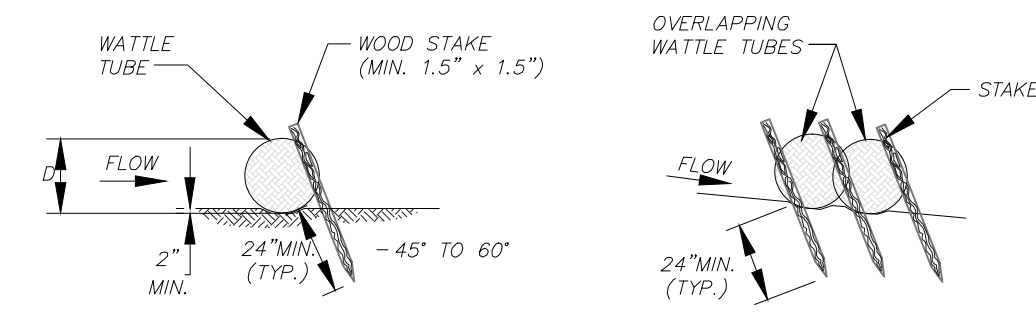


**CE DETAIL: STONE PAD CONSTRUCTION EXIT (NTS)**

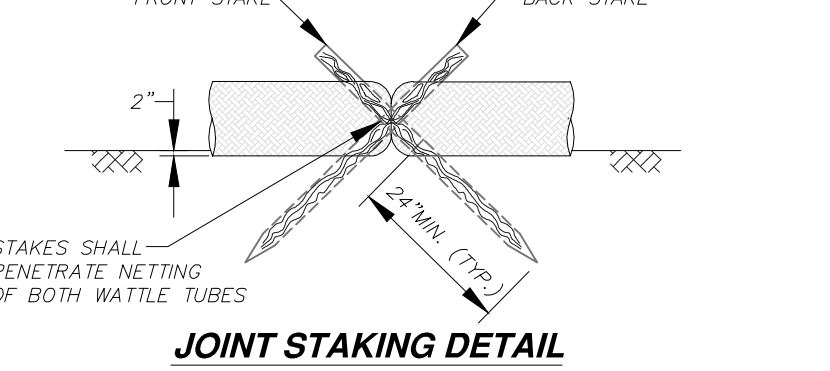
SIGNATURE OF OPERATOR: \_\_\_\_\_  
 CORPORATE NAME: \_\_\_\_\_  
 STREET ADDRESS: \_\_\_\_\_  
 TOWN, STATE ZIP CODE: \_\_\_\_\_  
 24 HOUR PHONE NUMBER: \_\_\_\_\_



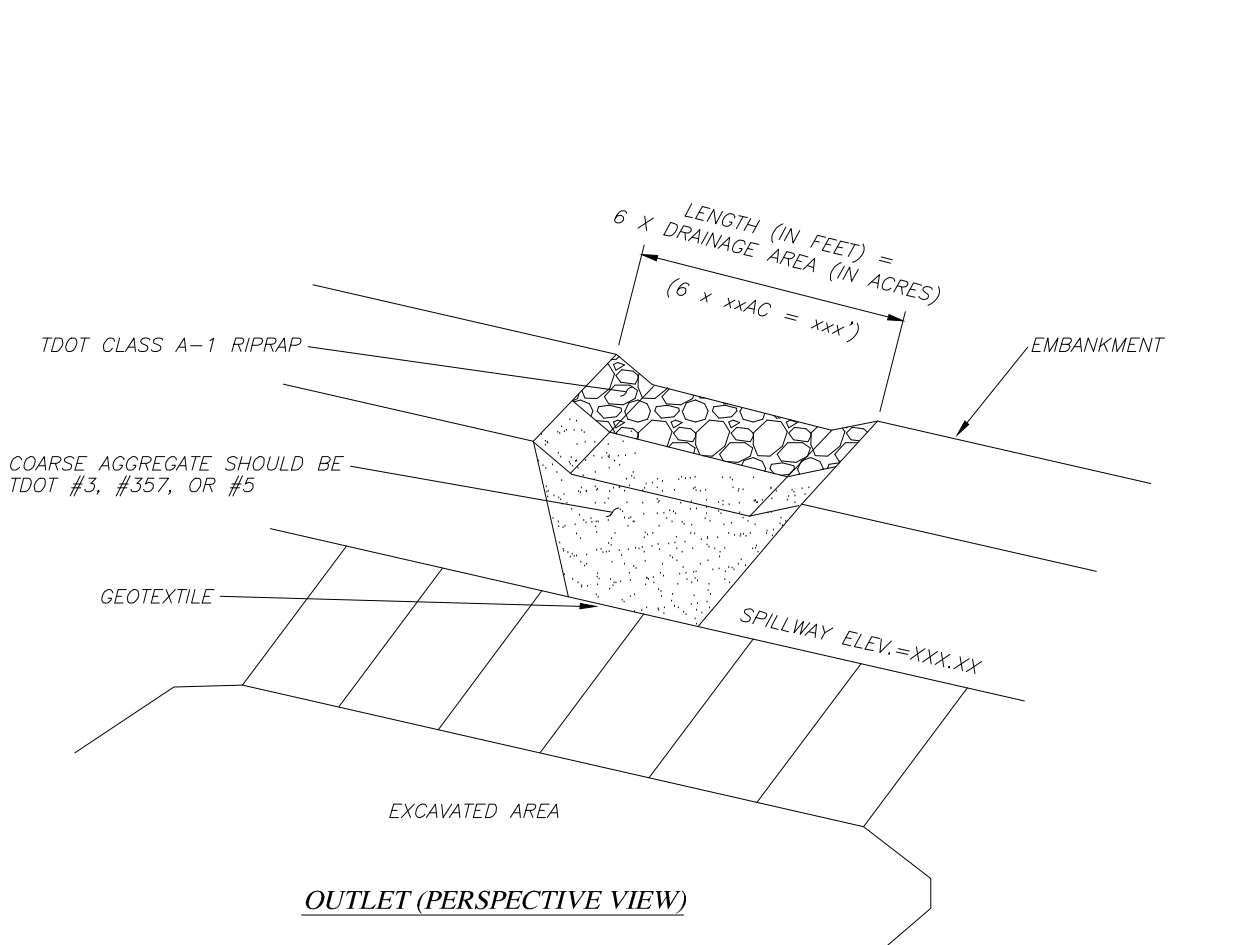
**PLAN VIEW FOR SLOPE APPLICATION**



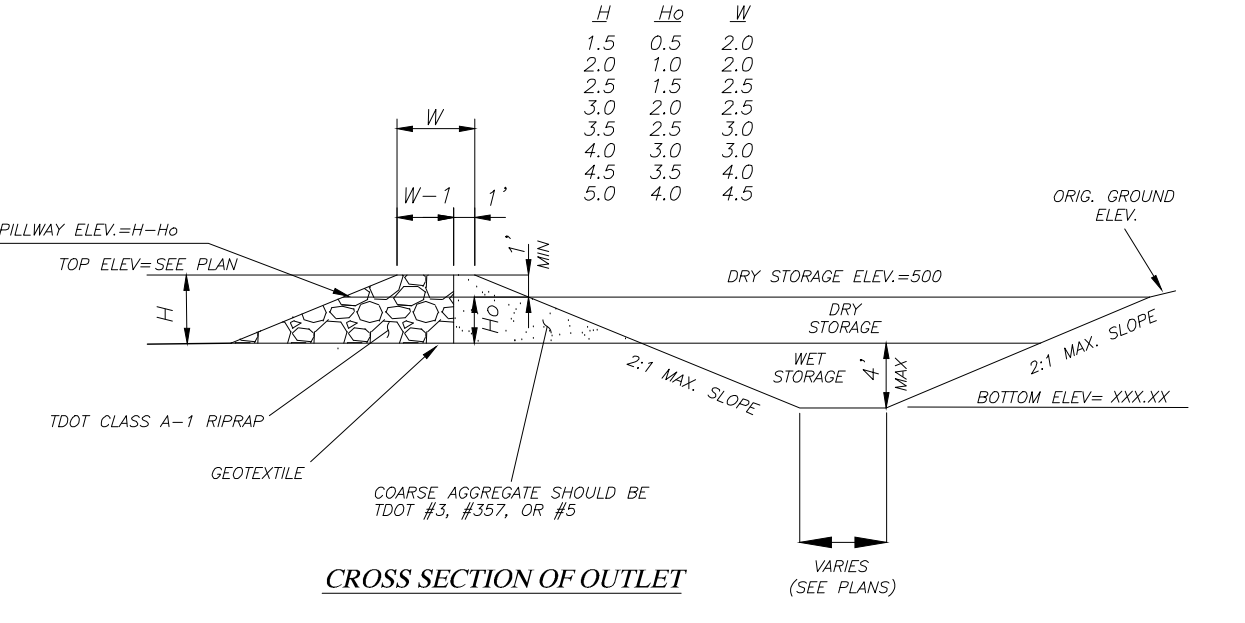
**STAKING DETAIL**



**DETAIL: SILT WATTLE (NTS)**



**OUTLET (PERSPECTIVE VIEW)**



**CROSS SECTION OF OUTLET**

**ST DETAIL: TEMPORARY SEDIMENT TRAP #X (NTS)**



**DETAIL: MATTING AND BLANKETS ON SLOPES**



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 AHU MEETING

EROSION CONTROL NOTE AND DETAILS  
**C3.0**