

1. ALL GROUND-DISTURBING ACTIVITIES WITHIN THE CITY OF KEIZER ARE SUBJECT TO THE TERMS AND CONDITIONS OF THE CITY'S EROSION CONTROL ORDINANCE AND MUST ADHERE TO ALL PERMITTING REQUIREMENTS THEREIN.
2. APPROVAL OF THE EROSION AND SEDIMENTATION CONTROL PLAN (ESCP) DOES NOT CONSTITUTE AN APPROVAL OF PERMANENT ROAD OR DRAINAGE DESIGN (E.G., SIZE AND LOCATION OF ROADS, PIPES, RESTRICTORS, CHANNELS, DETENTION FACILITIES, UTILITIES, ETC.).
3. THE ESCP AND THE REQUIRED WRITTEN INSPECTION LOGS SHALL BE KEPT ONSITE AT ALL TIMES AND MUST BE MADE AVAILABLE TO CITY STAFF AND/OR OTHER REGULATING AGENCIES UPON REQUEST.
4. IMPLEMENTATION OF THIS ESCP, INCLUDING INSTALLATION, MAINTENANCE, REPLACEMENT, AND UPGRADE OF THESE MEASURES, IS THE RESPONSIBILITY OF THE PERMITTEE UNTIL ALL CONSTRUCTION IS COMPLETE, THE SITE IS STABILIZED, AND THE PERMIT IS CLOSED.
5. ALL MEASURES SHOWN ON THE ESCP SHALL BE INSTALLED PROPERLY TO ENSURE THAT SEDIMENT AND/OR SEDIMENT-LADEN WATER DOES NOT ENTER SURFACE WATERS, STORM DRAINAGE SYSTEMS, ROADWAYS, OR OTHER PROPERTIES.
6. THE EROSION PREVENTION AND SEDIMENT CONTROL MEASURES SHOWN ON THE APPROVED ESCP ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD THESE MEASURES SHALL BE UPGRADED AS NEEDED TO ENSURE THAT SEDIMENT AND SEDIMENT-LADEN WATER DOES NOT LEAVE THE SITE; 0.5 CUBIC FEET OR MORE OF MATERIAL MOVING OFF SITE CONSTITUTES A PERMIT VIOLATION.
7. SOIL DISTURBING ACTIVITIES SUCH AS CLEARING, GRADING AND EXCAVATION SHALL BE AVOIDED OR MINIMIZED TO THE MAXIMUM EXTENT FEASIBLE DURING THE WET WEATHER SEASON (OCTOBER 1 – MAY 31)
8. A VEGETATIVE BUFFER MUST BE MAINTAINED FOR ALL PROJECTS THAT ARE ADJACENT TO A WATERWAY OR WETLAND.
9. PRIOR TO ANY LAND DISTURBING ACTIVITIES, THE BOUNDARIES OF THE CLEARING LIMITS, VEGETATED BUFFERS AND ANY SENSITIVE AREAS SHOWN ON THE ESCP PLAN (INCLUDING NATIVE SOILS DESIGNATED FOR UNDERGROUND INJECTION CONTROLS AND/OR INFILTRATION FACILITIES) SHALL BE CLEARLY DELINEATED IN THE FIELD WITH ORANGE CONSTRUCTION FENCE OR AN APPROVED EQUAL. UNLESS OTHERWISE APPROVED, NO DISTURBANCE IS PERMITTED BEYOND THE CLEARING LIMITS. THE PERMITEE MUST MAINTAIN THE DELINEATION FOR THE DURATION OF THE PROJECT.
10. PRIOR TO ANY LAND DISTURBING ACTIVITIES, ALL EROSION PREVENTION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED IN ACCORDANCE WITH CITY OF KEIZER STANDARDS. THESE MEASURES MUST BE REGULARLY INSPECTED AND PROPERLY MAINTAINED FOR THE DURATION OF THE PROJECT.
11. IN AREAS SUBJECT TO WIND EROSION, APPROPRIATE DUST CONTROL MEASURES MUST BE USED, WHICH MAY INCLUDE THE APPLICATION OF FINE WATER SPRAYING, PLASTIC SHEETING, MULCHING OR OTHER CITY APPROVED METHODS.
12. WHEN RAINFALL AND RUNOFF OCCURS, A PERSON (PERMITTEE OR THEIR DESIGNEE) KNOWLEDGEABLE AND EXPERIENCED IN THE PRINCIPLES, PRACTICES, INSTALLATION AND MAINTENANCE OF EROSION PREVENTION AND SEDIMENT CONTROLS, MUST PERFORM DAILY INSPECTIONS OF THE EROSION PREVENTION AND SEDIMENT CONTROLS AS WELL AS ALL POINTS OF DISCHARGE.
13. DURING WET WEATHER, TEMPORARY STABILIZATION OF EXPOSED SOILS MUST OCCUR AT THE END OF EACH WORKDAY.
14. PRIOR TO THE BEGINNING OF CONSTRUCTION, STABILIZED CONSTRUCTION ENTRANCE(S) SHALL BE INSTALLED AND MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES MAY BE REQUIRED TO PREVENT TRACK-OFF AND ENSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.
15. SEDIMENT CONTROLS MUST BE INSTALLED AND PROPERLY MAINTAINED ON ALL DOWN GRADIENT SIDES OF THE CONSTRUCTION SITE. THESE CONTROLS MUST REMAIN IN PLACE UNTIL PERMANENT COVER OF EXPOSED SOIL, SUCH AS VEGETATION, IS ESTABLISHED.
16. ALL ACTIVE INLETS MUST HAVE SEDIMENT CONTROLS INSTALLED AND MAINTAINED AT ALL TIMES DURING CONSTRUCTION.
17. SEDIMENT SHALL NOT BE INTENTIONALLY WASHED INTO WATER BODIES, DRAINAGE WAYS, OR ANY PUBLIC OR PRIVATE STORMWATER DRAINAGE SYSTEMS.
18. ALL STRUCTURES WITH SUMPS SHALL BE CLEANED WHEN THE SEDIMENT RETENTION CAPACITY HAS BEEN REDUCED BY 1/3 AND AT COMPLETION OF THE PROJECT. ALL CATCH BASINS AND CONVEYANCE SYSTEMS SHALL BE CLEANED PRIOR TO PAVING. THE CLEANING OPERATION SHALL NOT FLUSH SEDIMENT LADEN WATER INTO THE DOWNSTREAM SYSTEM.
19. SEDIMENT SHALL BE REMOVED FROM ALL SEDIMENT CONTROL MEASURES WHEN IT HAS REACHED A HEIGHT OF ONE-THIRD THE BARRIER HEIGHT AND PRIOR TO REMOVAL OF THE CONTROL MEASURE.

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20. ANY SEDIMENT THAT LEAVES THE SITE MUST BE CLEANED UP IMMEDIATELY AND PROPERLY DISPOSED OF. THE CAUSE OF THE SEDIMENT RELEASE MUST PROMPTLY BE IDENTIFIED AND CORRECTIVE ACTIONS MUST BE TAKEN TO PREVENT FUTURE, RECURRING DISCHARGES. ANY IN-WATER WORK RELATING TO SEDIMENT CLEAN-UP MUST BE PERFORMED IN ACCORDANCE WITH CURRENT STANDARDS AND ALL FEDERAL AND STATE RULES AND REGULATIONS.
21. ALL PUMPING OF SEDIMENT LADEN WATER MUST BE DISCHARGED OVER AN UNDISTURBED, VEGETATED AREA AND THROUGH A SEDIMENT CONTROL BMP APPROVED BY CITY STAFF.
22. THE PERMITTEE, OR THEIR DESIGNEE, MUST PROPERLY MANAGE, SECURE, AND CONTAIN SOLID WASTE/CONSTRUCTION DEBRIS, HAZARDOUS WASTES, USED OILS, CONTAMINATED SOILS, CONCRETE WASH/WASTE, SANITARY WASTE, SOLID OR LIQUID WASTE, OR OTHER TOXIC SUBSTANCES DISCOVERED OR GENERATED DURING CONSTRUCTION. TRASH MUST BE CONTAINED USING A RECEPTACLE (NOT PILED UP ON SITE). DISPOSAL OR BURIAL OF ANY WASTE MATERIAL ON SITE IS STRICTLY PROHIBITED.
23. IF VEGETATED SEED MIXES ARE SPECIFIED, SEEDING MUST TAKE PLACE NO LATER THAN SEPTEMBER 1st; THE TYPE AND PERCENTAGES OF SEED IN THE MIX ARE AS IDENTIFIED ON THE PLANS OR AS SPECIFIED BY THE DESIGN ENGINEER.
24. THE APPLICATION RATE OF FERTILIZERS USED TO REESTABLISH VEGETATION SHALL BE APPLIED BY A LICENSED APPLICATOR AND FOLLOW MANUFACTURER'S RECOMMENDATIONS. NUTRIENT RELEASES FROM FERTILIZERS TO SURFACE WATERS MUST BE AVOIDED OR MINIMIZED TO THE MAXIMUM EXTENT FEASIBLE. TIME-RELEASE FERTILIZERS SHOULD BE USED, AND IN APPLICATION OF FERTILIZERS WITHIN ANY RIPARIAN AREA MUST BE PRE-APPROVED BY THE CITY.
25. AFTER 14 DAYS OF INACTIVITY, SOIL MUST BE COVERED WITH MULCH, STRAW, OR COMPOST; AFTER 30 DAYS OF INACTIVITY, SOIL MUST BE STABILIZED WITH SEEDING OR A HEAVY MULCH LAYER.
26. FINAL STABILIZATION REQUIRES THAT ALL TEMPORARY EROSION AND SEDIMENT CONTROLS HAVE BEEN REMOVED, ALL EXPOSED SOILS HAVE BEEN PROPERLY STABILIZED, AND/OR VEGETATION IS FULLY ESTABLISHED.

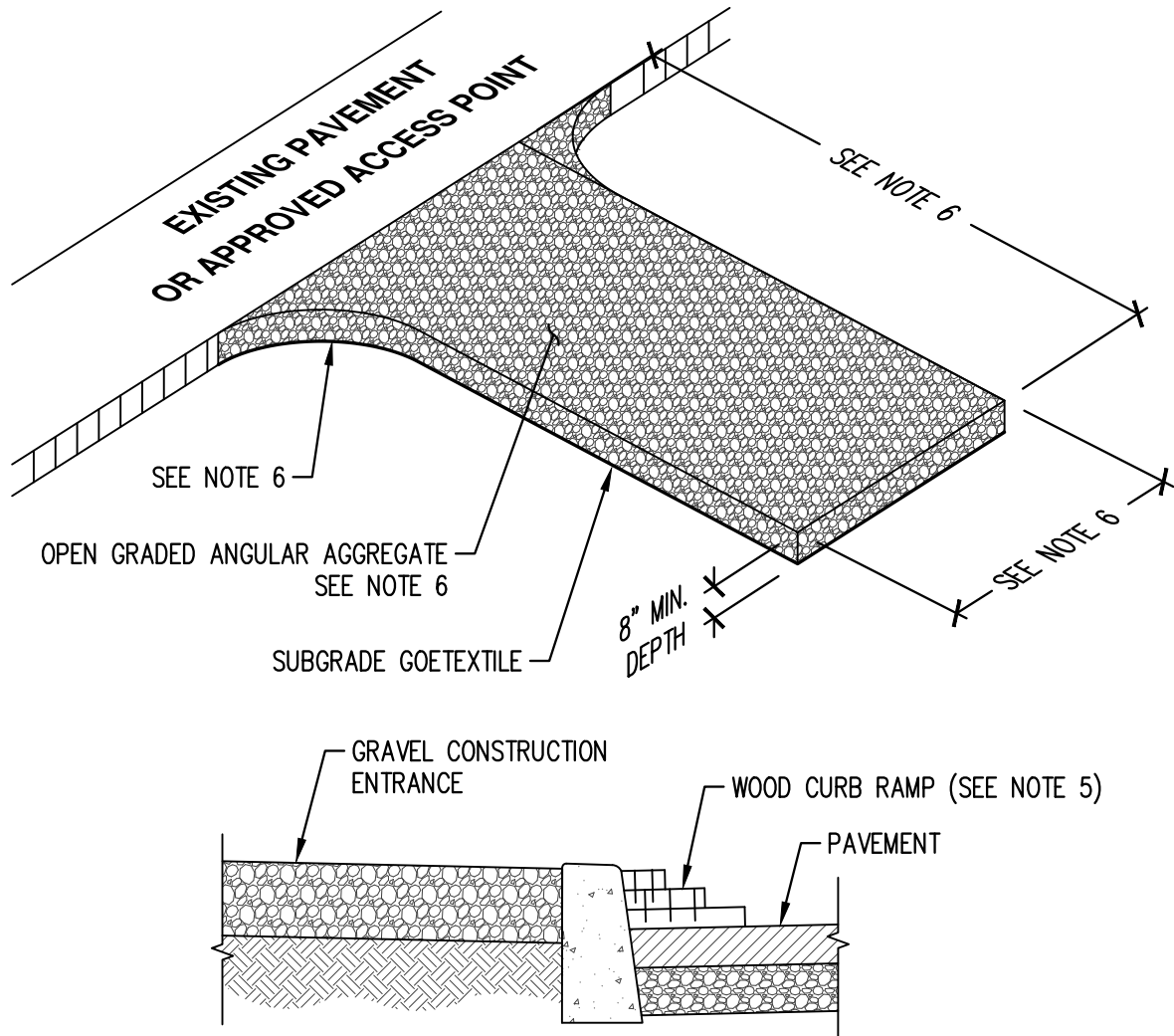
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**NOTES:**

1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR, AND/OR CLEAN OUT OF ANY MEASURES USED TO CONTAIN SEDIMENT.
2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
3. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS TO AN APPROVED SEDIMENT TRAP OR SEDIMENT POND. SEE STANDARD PLANS EC-212 AND EC-213.
4. WHERE RUNOFF CONTAINING SEDIMENT LADEN WATER IS LEAVING THE SITE VIA THE CONSTRUCTION ENTRANCE, OTHER MEASURES SHALL BE IMPLEMENTED TO DIVERT RUNOFF THROUGH AN APPROVED FILTERING SYSTEM.
5. WHEN THE CURB HAS BEEN REMOVED A WOOD CURB RAMP IS NOT NEEDED. ADJUST GRAVEL DEPTH AS NEEDED TO PROVIDE MINIMUM DEPTH SHOWN.
- 6.

| DEVELOPMENT TYPE | DIMENSIONS |
|---|--|
| SINGLE FAMILY DEVELOPMENTS AND PARTITIONS | 1"-3" OPEN GRADED ANGULAR AGGREGATE AND DIMENSIONS EQUAL TO 20' LONG X 20' WIDE X 8" DEEP WITH A RADIUS AT THE STREET EQUAL TO 10' MINIMUM |
| COMMERCIAL AND DEVELOPMENTS OF 4 OR MORE CONSECUTIVE LOTS | 3"-6" OPEN GRADED ANGULAR AGGREGATE AND DIMENSIONS EQUAL TO 50' LONG X 24' WIDE X 8" DEEP AND A RADIUS AT THE STREET EQUAL TO 25' MINIMUM. |

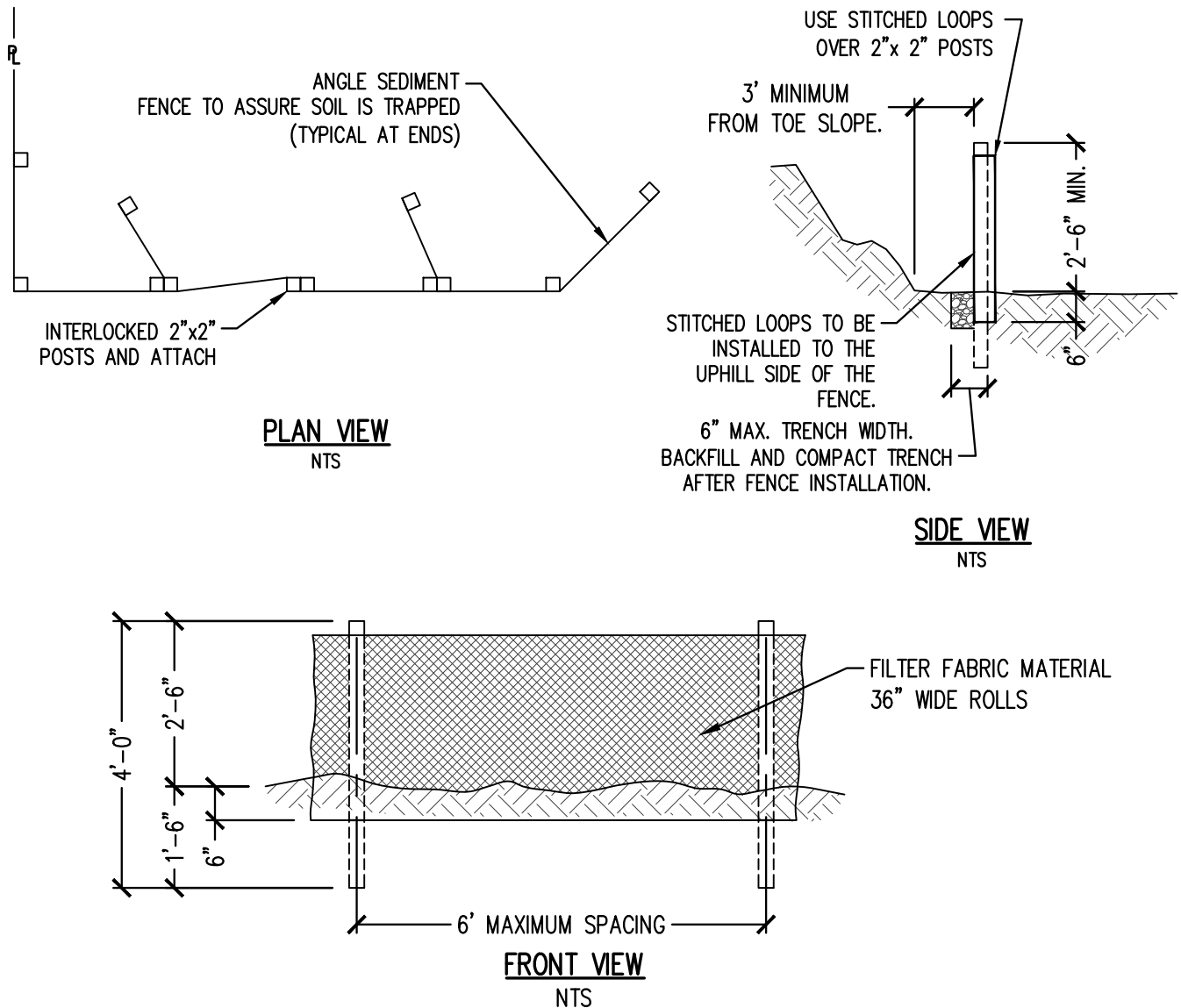
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NOTES:

1. BURY BOTTOM OF FILTER FABRIC 6" VERTICALLY BELOW FINISHED GRADE.
2. 2" x 2" FIR, PINE OR STEEL FENCE POSTS. POSTS TO BE INSTALLED ON UPHILL SIDE OF FABRIC AS SHOWN.
3. SEDIMENT FENCE SHALL BE CONSTRUCTED OF CONTINUOUS FILTER FABRIC TO MINIMIZE USE OF JOINTS.
4. WHEN A JOINT IS REQUIRED, FABRIC SHALL BE SPLICED TOGETHER ONLY AT A SUPPORT POST WITH A MINIMUM 6" OVERLAP AND BOTH ENDS SECURELY FASTENED TO A POST.
5. SEDIMENT FENCE TO BE INSTALLED PARALLEL TO CONTOURS AS MUCH AS POSSIBLE.
6. SEDIMENT BARRIERS SHALL BE MAINTAINED UNTIL UPHILL AREA IS PERMANENTLY STABILIZED.
7. AT NO TIME SHALL MORE THAN 10" OF SEDIMENT BE ALLOWED TO ACCUMULATE UPHILL OF SEDIMENT FENCES.
8. NEW SEDIMENT BARRIERS SHALL BE INSTALLED UPHILL AS REQUIRED TO CONTROL SEDIMENT TRANSPORT.
9. SEDIMENT FENCE MUST BE ADEQUATELY SUPPORTED AS REQUIRED TO CONTROL SEDIMENT TRANSPORT.
10. FENCE SHALL NOT BE STAPLED TO EXISTING TREES.
11. CONTRACTOR SHALL REMOVE SEDIMENT FENCE AND HAUL OFF SITE FOR DISPOSAL UPON PROJECT COMPLETION.

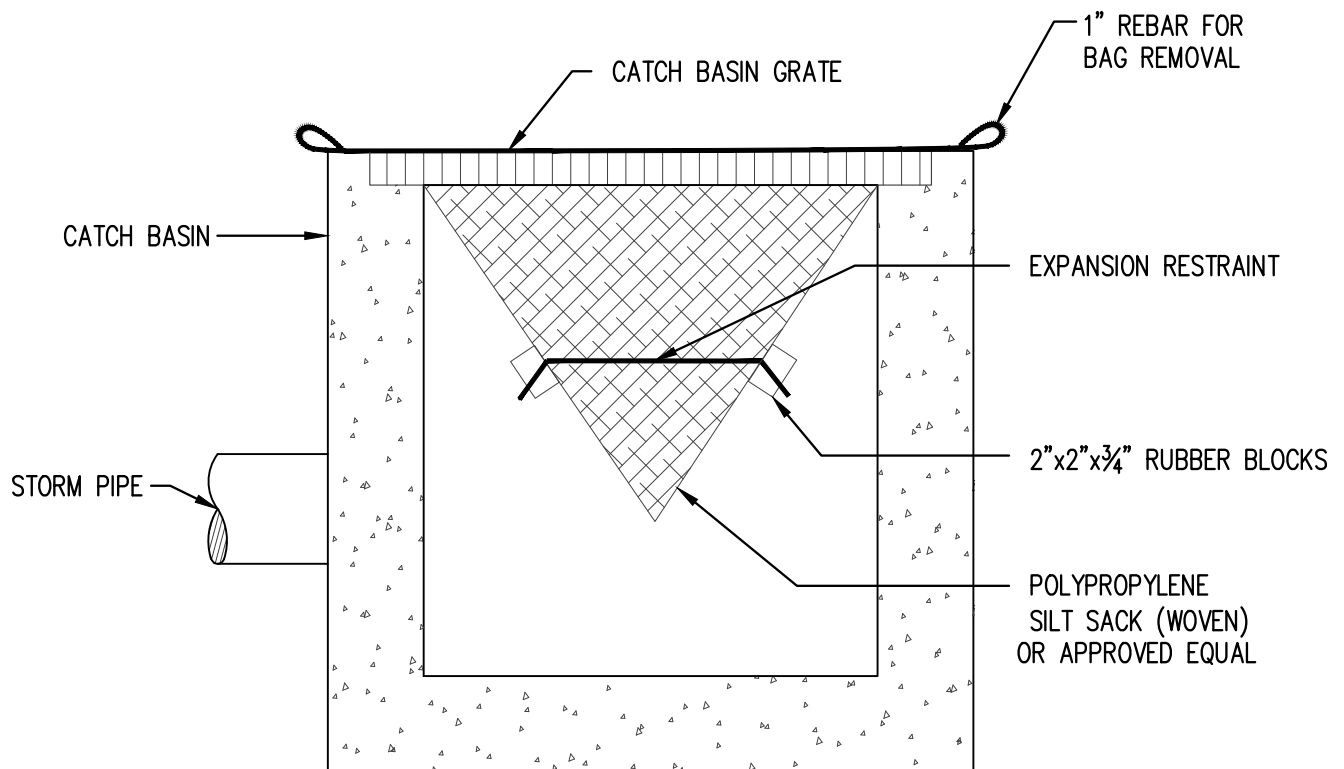
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**NOTES:**

1. SILT SACKS SHALL BE USED ON ALL STORM DRAIN INLETS LOCATED IN PAVED PUBLIC ROADWAYS OR ADJACENT TO BIKE LANES.
2. RECESSED CURB INLET CATCH BASINS MUST BE BLOCKED WITH FILTER SOCK. WHEN USING SILT SACKS.
3. SIZE OF SILT SACKS TO MATCH CATCH BASIN AS DETERMINED BY MANUFACTURER.
4. SILT SACK SHALL BE REPLACED PER MANUFACTURERS SPECIFICATIONS, OR AS DETERMINED BY THE CITY.
5. CONTRACTOR SHALL REMOVE AND HAUL OFF SITE FOR DISPOSAL UPON PROJECT COMPLETION.

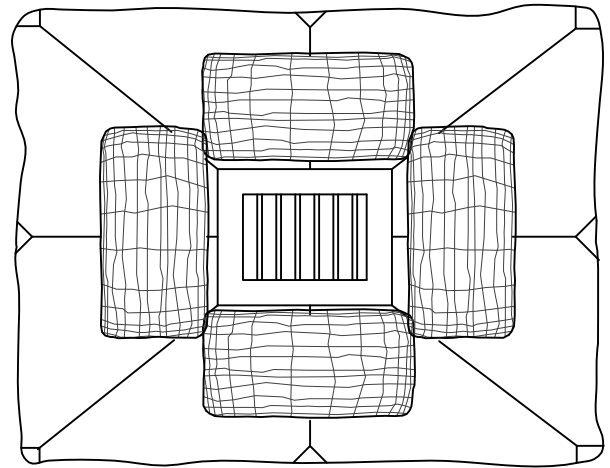
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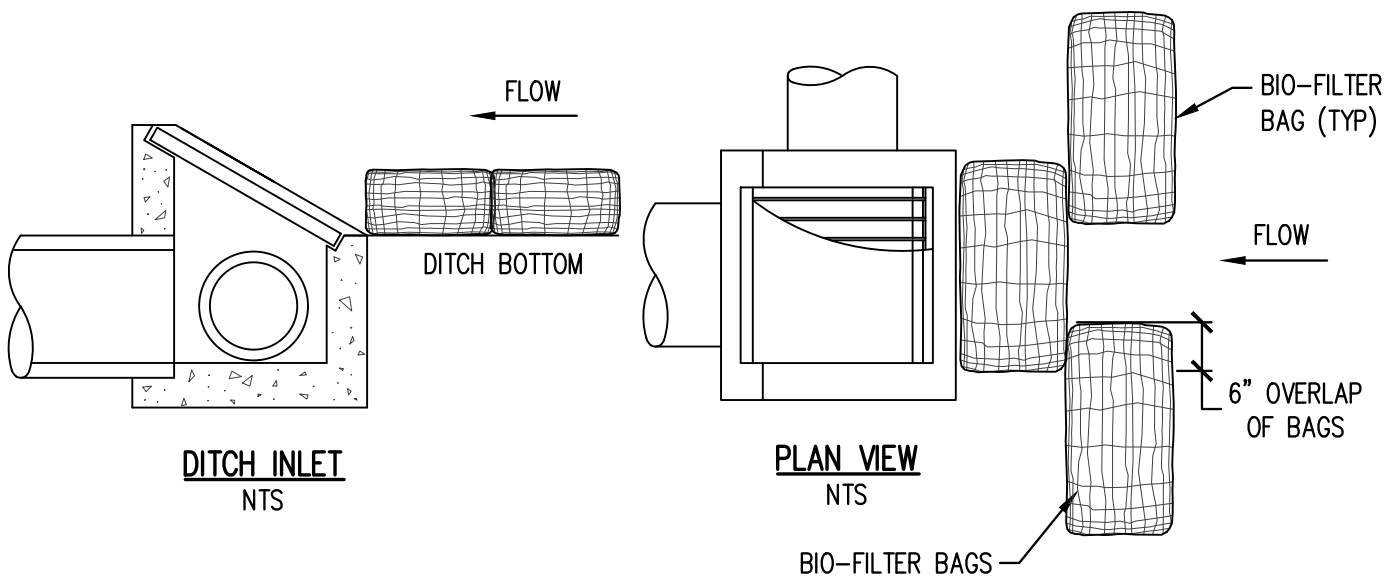
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**AREA DRAIN**

NTS

**NOTES:**

1. BIO BAGS SHALL NOT BE USED IN PAVED PUBLIC ROADWAYS OR ADJACENT TO BIKE LANES
2. BIO BAGS MAY BE USED SHORT TERM WITH UTILITY WORK AND WITH PHASING OF DEVELOPMENT.
3. DEPENDING ON SOIL TYPES ADDITIONAL MEASURES SUCH AS SILT SACKS MAY BE NECESSARY TO PREVENT SEDIMENT/ WATER FROM ENTERING INLET.
4. BIO-FILTER BAGS SHOULD BE STAKED WHERE APPLICABLE USING (2) 1"x2"x3' WOOD STAKES OR APPROVED EQUAL PER BAG.
5. WHEN USING 30" BIO-BAGS TO PROTECT A CATCH BASIN, 4 BAGS SHALL BE USED AND OVERLAPPED BY 6" MINIMUM.
6. BIO BAGS SHALL BE MAINTAINED UNTIL UPHILL AREA AS PERMANENTLY STABILIZED.
7. AT NO TIME SHALL MORE THAN 2" OF SEDIMENT BE ALLOWED TO ACCUMULATE BEHIND BIO-FILTER BAGS.
8. NEW BIO BAGS SHALL BE INSTALLED UPHILL AS REQUIRED TO CONTROL SEDIMENT TRANSPORT.
9. BIO BAGS MUST BE REMOVED AND HAULED OFF-SITE FOR DISPOSAL BY THE CONTRACTOR UPON PROJECT STABILIZATION.

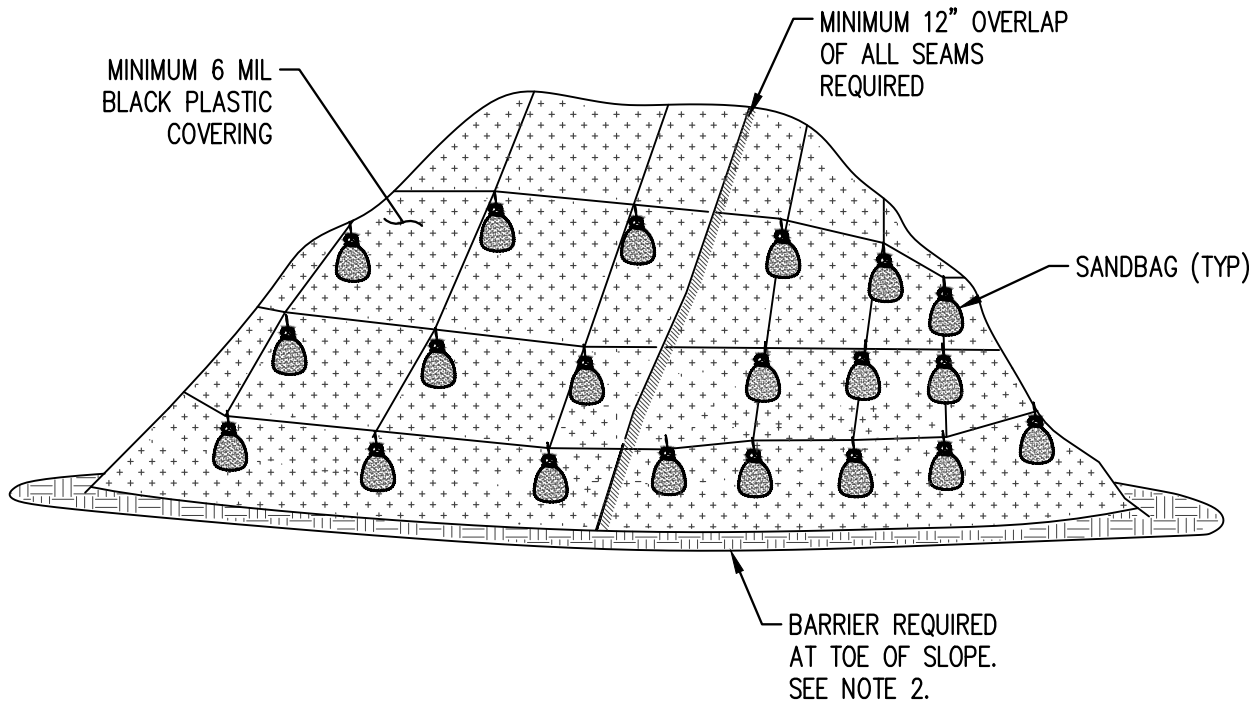
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**NOTES:**

1. STOCKPILE(S) MUST BE LOCATED IN AREAS THAT WILL NOT IMPOUND OR BLOCK STORMWATER RUNOFF.
2. BMPs SHALL BE INSTALLED TO CONVEY STORM WATER RUNOFF AWAY FROM STOCKPILE AREAS, AS APPROPRIATE
3. PLASTIC SHEETING REQUIRED FOR ALL TEMPORARY STOCKPILED MATERIAL.
4. STOCKPILE(S) SHALL BE COVERED AT END OF EACH WORK SHIFT DURING WET WEATHER SEASON, PRIOR TO RAIN EVENT.
5. SECURE COVERING TIGHTLY IN PLACE USING SANDBAGS ON ROPES WITH A MAXIMUM 10' GRID SPACING IN ALL DIRECTIONS.
6. ALL SEAMS SHALL BE TAPED OR WEIGHTED DOWN FOR FULL LENGTH.
7. ALL SEAMS REQUIRED TO HAVE A MINIMUM OF 12" OF OVERLAP.
8. BARRIER SHALL CONSIST OF SILT FENCE, STRAW WATTLE, BIO-BAGS, WOOD CHIPS, SANDBAGS, OR OTHER APPROVED MATERIAL.

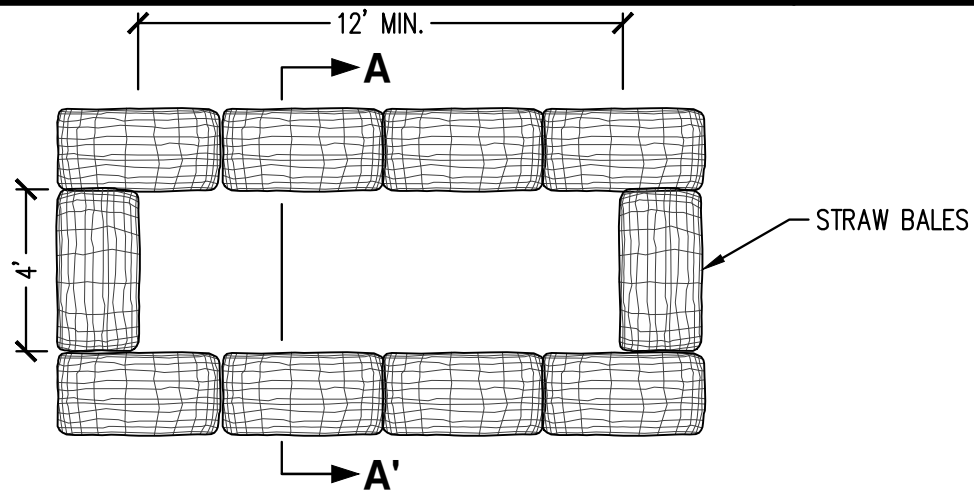
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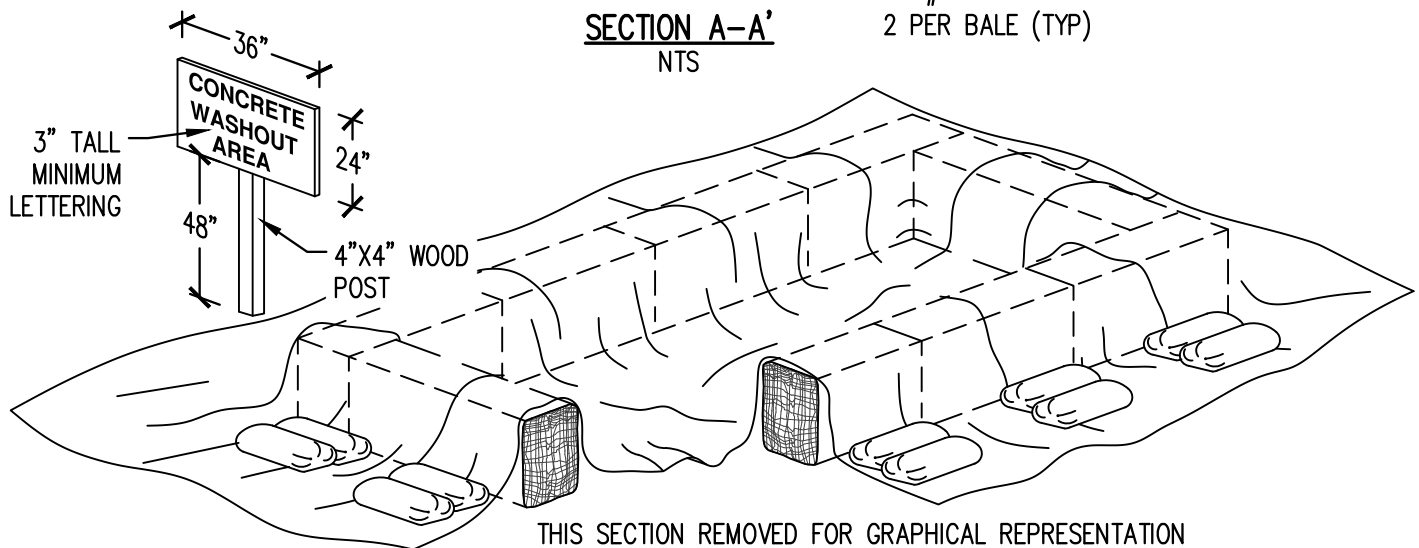
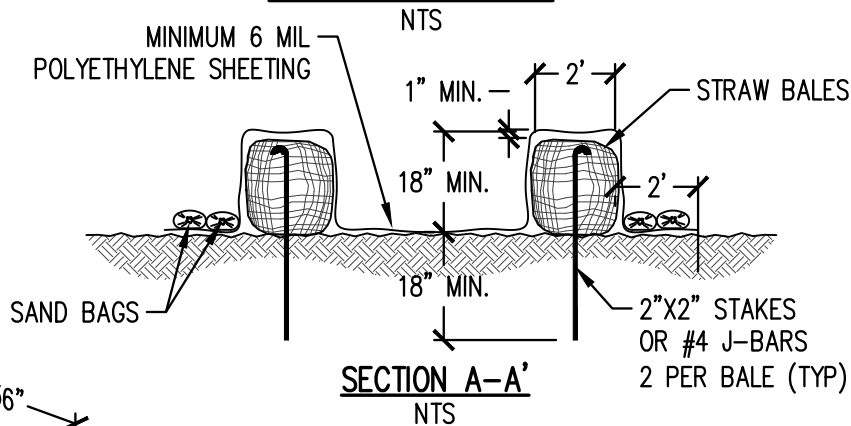
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BALE CONFIGURATION



THIS SECTION REMOVED FOR GRAPHICAL REPRESENTATION ONLY. STRAW BALE PERIMETER SHALL BE CONTINUOUS.

NOTES:

1. PROVIDE "CONCRETE WASHOUT AREA" SIGN AS SHOWN, OR AS APPROVED.
2. INSTALL CONCRETE WASHOUT SIGN ADJACENT TO CONCRETE MANAGEMENT FACILITIES. FACE SIGN TOWARD NEAREST STREET OR ACCESS POINT.
3. CONCRETE WASHOUT SHALL BE LOCATED BEHIND CURB AND 50' MINIMUM FROM DRAINAGE INLETS OR WATERCOURSES.
4. CONCRETE WASHOUT SHALL BE COVERED AT THE END OF THE WORK SHIFT.
5. ALTERNATIVES CAN BE USED IF PRE-APPROVED BY CITY INSPECTOR.

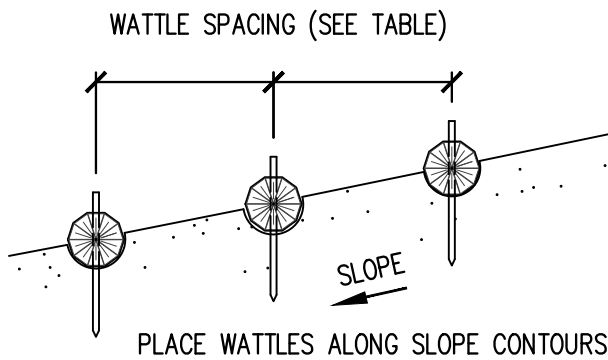
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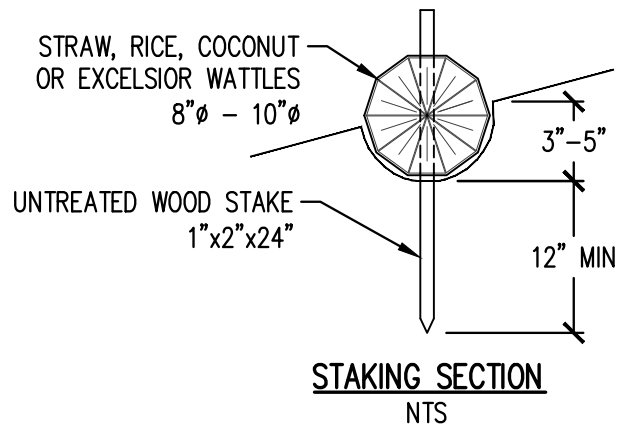
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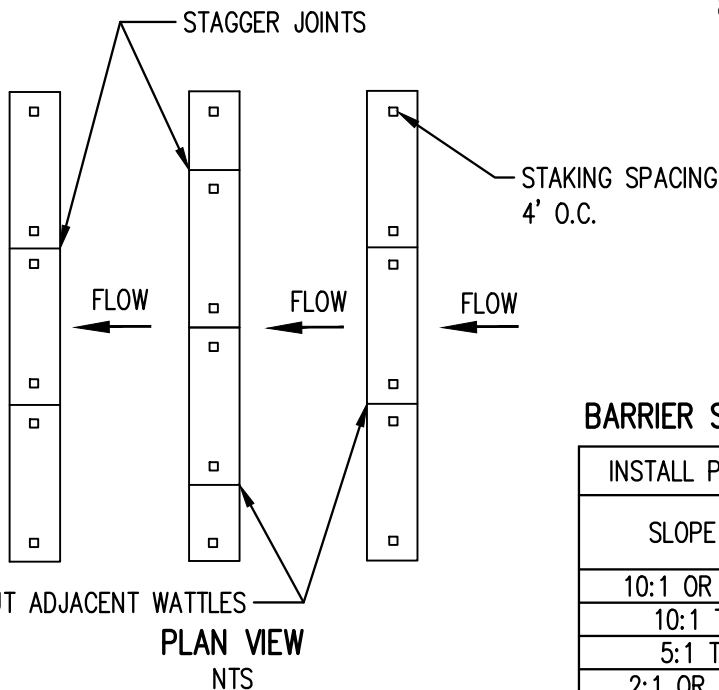




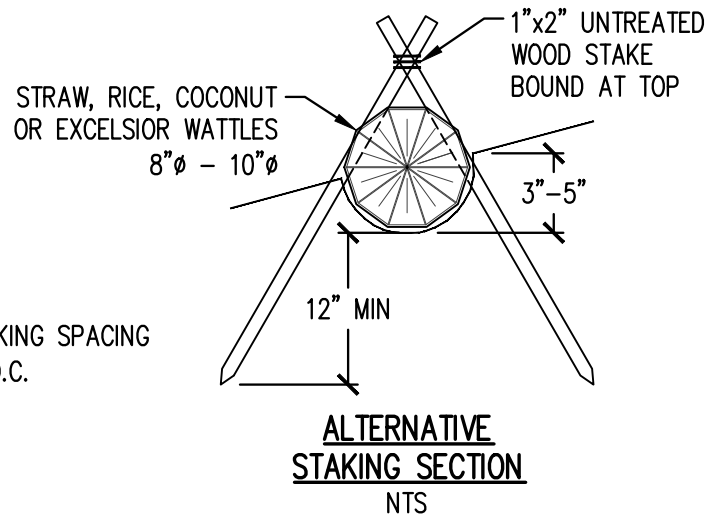
PROFILE
NTS



STAKING SECTION
NTS



PLAN VIEW
NTS



ALTERNATIVE STAKING SECTION
NTS

BARRIER SPACING FOR GENERAL APPLICATION

| INSTALL PARALLEL TO TO CONTOURS AS FOLLOWS | |
|--|--|
| SLOPE RATIO | MAXIMUM SPACING ON SLOPE BETWEEN WATTLES |
| 10:1 OR FLATTER | 300' O.C. |
| 10:1 TO 5:1 | 100' O.C. |
| 5:1 TO 2:1 | 25' O.C. |
| 2:1 OR STEEPER | 10' O.C. |

NOTES:

1. NEW WATTLES SHALL BE INSTALLED UPHILL AS REQUIRED TO CONTROL SEDIMENT TRANSPORT.
2. WATTLES SHALL BE PLACED AT THE TOP AND THE TOE OF THE SLOPE. SEE TABLE ABOVE FOR ADDITIONAL BARRIER SPACING REQUIREMENTS.
3. ADDITIONAL STAKES MAY BE INSTALLED ON DOWNHILL SIDE OF WATTLES DUE TO STEEP SLOPES OR HIGHLY EROSION SOILS.
4. WATTLES SHALL BE MAINTAINED UNTIL UPHILL AREA IS PERMANENTLY STABILIZED.
5. AT NO TIME SHALL SEDIMENT BE ALLOWED TO ACCUMULATE ABOVE THE TOP OF THE WATTLE.
6. CONTRACTOR SHALL REMOVE WATTLE AND HAUL OFF SITE FOR DISPOSAL UPON PROJECT COMPLETION UNLESS OTHERWISE APPROVED BY CITY INSPECTOR.

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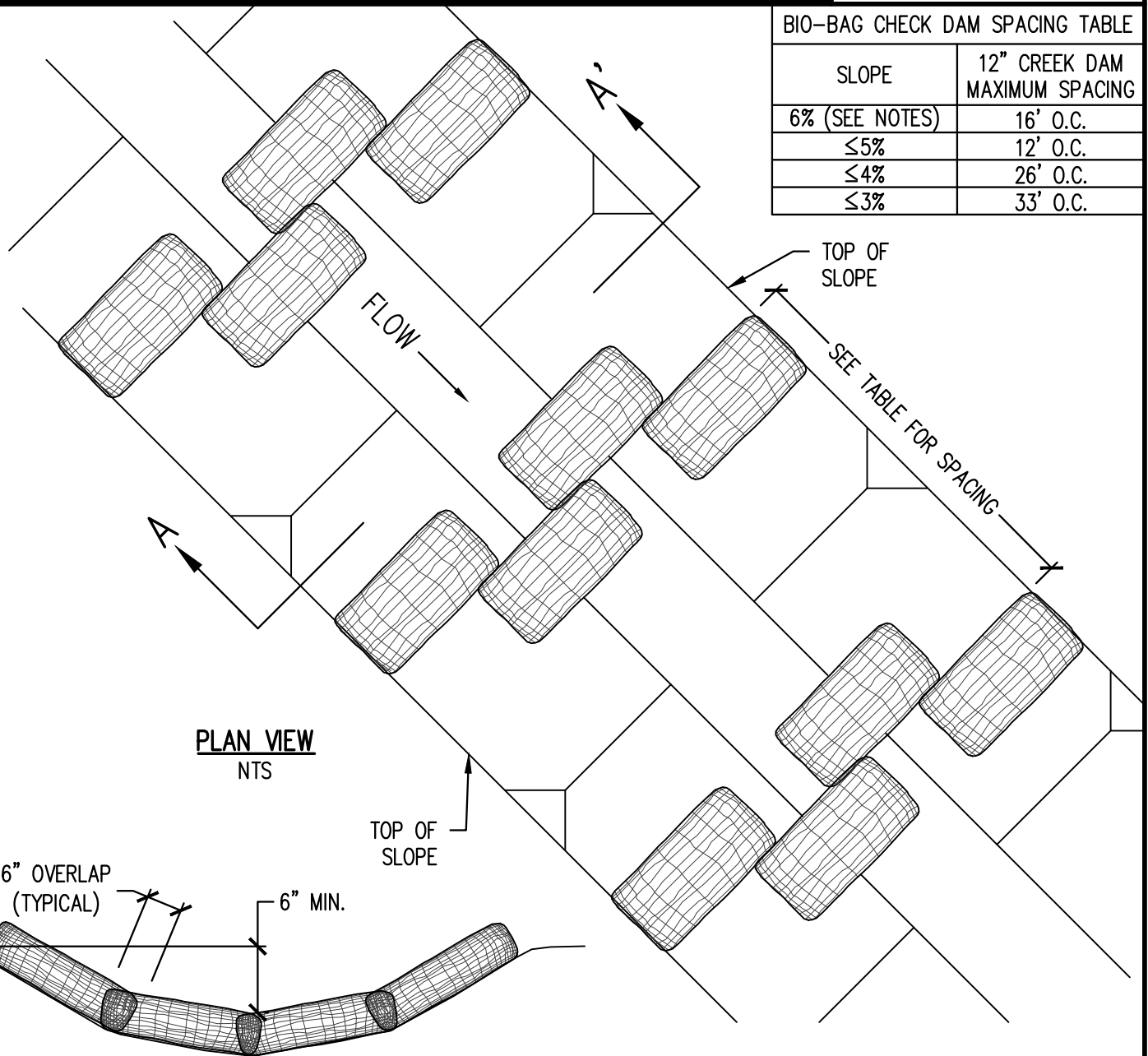
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BIO-BAG CHECK DAM SPACING TABLE

| SLOPE | 12" CREEK DAM MAXIMUM SPACING |
|----------------|----------------------------------|
| 6% (SEE NOTES) | 16' O.C. |
| ≤5% | 12' O.C. |
| ≤4% | 26' O.C. |
| ≤3% | 33' O.C. |



PLAN VIEW
NTS

SECTION A-A'
NTS

NOTES:

- CHECK DAMS CAN BE CONSTRUCTED USING BIO BAGS OR OTHER MATERIALS AS APPROVED BY THE CITY INSPECTOR.
- SURFACE MUST BE SMOOTH BEFORE APPLICATION.
- SLOPES MORE THAN 6% WILL REQUIRE CHECK DAMS. SEE TYPICAL DETAIL EC-209.
- STAKING OF BAGS REQUIRED USING TWO (2) 1"x2"x3' WOOD STAKES OR APPROVED EQUAL PER BAG.
- CHECK DAM SHALL BE MAINTAINED UNTIL UP-SLOPE AREA IS PERMANENTLY STABILIZED.
- AT NO TIME SHALL MORE THAN 2" OF SEDIMENT BE ALLOWED TO ACCUMULATE BEHIND BIO-FILTER BAGS.
- NEW SEDIMENT BARRIERS SHALL BE INSTALLED UPHILL AS REQUIRED TO CONTROL SEDIMENT TRANSPORT.
- CONTRACTOR SHALL REMOVE CHECK DAM(S) AND HAUL OFF SITE FOR DISPOSAL UPON PROJECT COMPLETION.

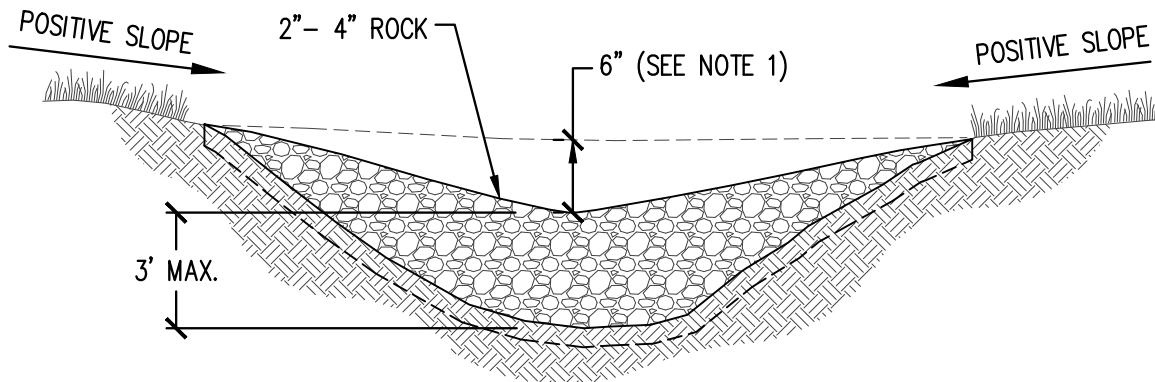
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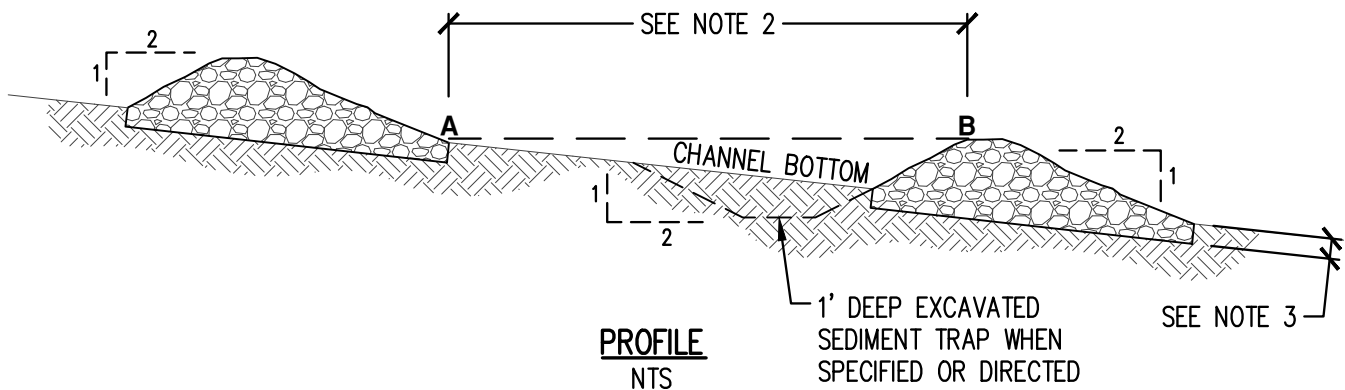
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CHANNEL CROSS SECTION
NTS



NOTES:

1. THE BASE OF THE CHECK DAM SHALL BE ENTRENCHED APPROXIMATELY 6"-12" DEPENDING UPON SOIL CONDITIONS AND HEIGHT OF CHECK DAM.
2. ROCK SHALL COMPLETELY COVER CHANNEL BOTTOM AND SIDES.
3. CENTER SECTION SHALL BE 6" LOWER TO CAUSE FLOW OVER, NOT AROUND CHECK DAM.
4. THE DISTANCE BETWEEN DAMS SHALL BE SUCH THAT THE TOE (A) OF THE UPSTREAM DAM IS AT THE SAME ELEVATION AS THE TOP (B) OF THE DOWNSTREAM DAM.
5. ANY SEDIMENT DISTRIBUTION OF MORE THAN 6" HIGH SHALL BE REMOVED SO THAT THE SWALE OR DITCH IS RESTORED TO ITS ORIGINAL DESIGN CAPACITY.
6. THE SWALE OR DITCH SHALL BE EXAMINED FOR SIGNS OF SCOURING AND EROSION ON THE BED AND BANKS. IF SCOURING OR EROSION HAS OCCURRED, AFFECTED AREAS SHALL BE PROTECTED BY RIPRAP OR EROSION CONTROL MATTING.

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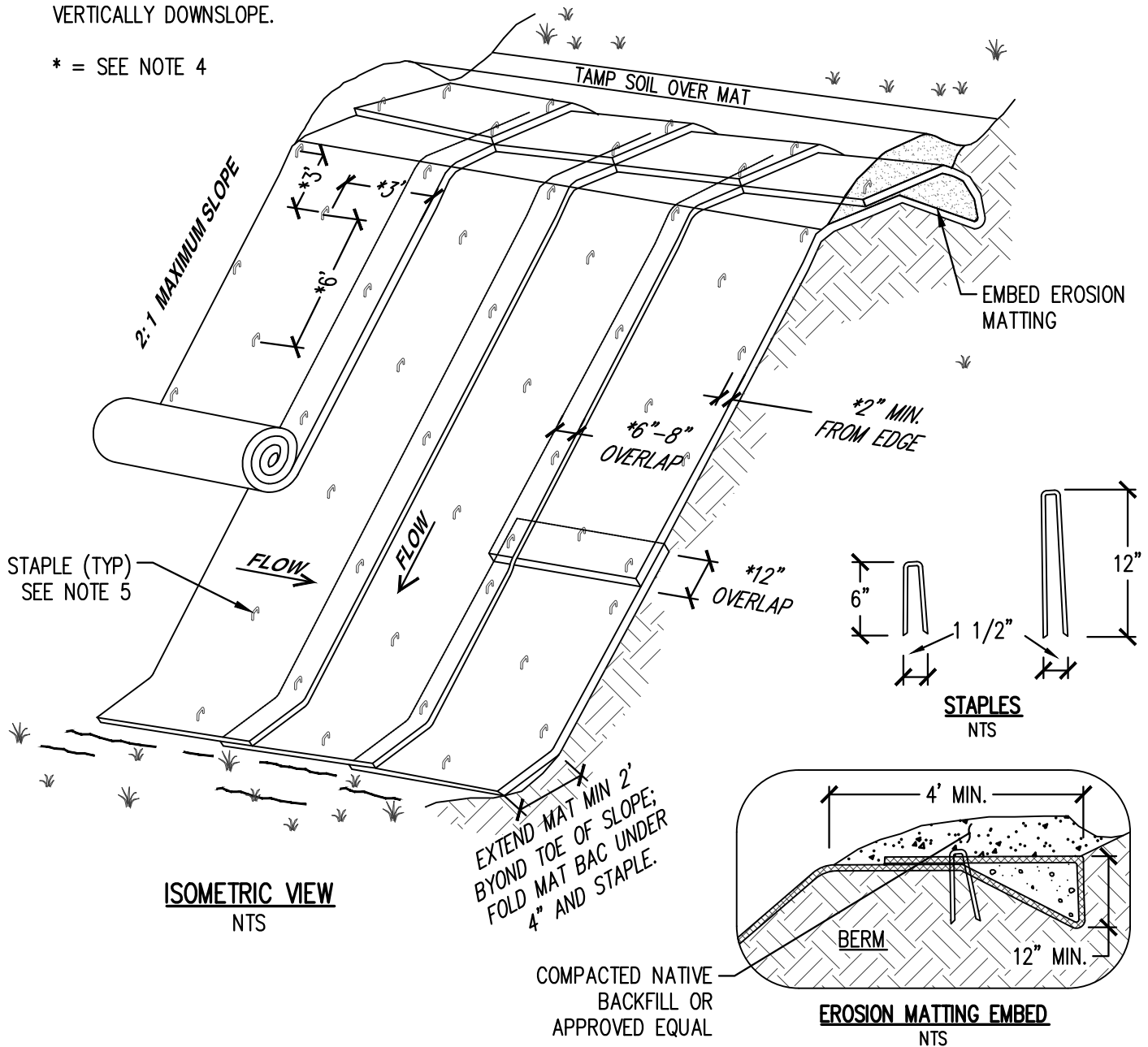
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MATS SHALL BE INSTALLED
VERTICALLY DOWNSLOPE.

* = SEE NOTE 4



NOTES:

1. SLOPE SURFACE SHALL BE FREE OF ROCKS, CLODS, STICKS AND GRASS. MATS/BLANKETS SHALL HAVE GOOD SOIL CONTACT.
2. APPLY PERMANENT SEEDING BEFORE PLACING MATTING.
3. LAY MATTING LOOSELY AND STAPLE TO MAINTAIN DIRECT CONTACT WITH THE SOIL. DO NOT STRETCH.
4. STAPLING LAYOUT PATTERN SHOWN IS MINIMUM REQUIRED.
5. STAPLE LENGTH AND QUANTITY DEPENDS ON SOIL DENSITY. USE 6" STAPLES ON COMPACTED SOILS. USE 12" STAPLES ON LOOSE SOILS. SEE MANUFACTURERS SPECIFICATIONS.
6. EROSION MATTING SHALL BE INSTALLED PER MANUFACTURERS SPECIFICATIONS.

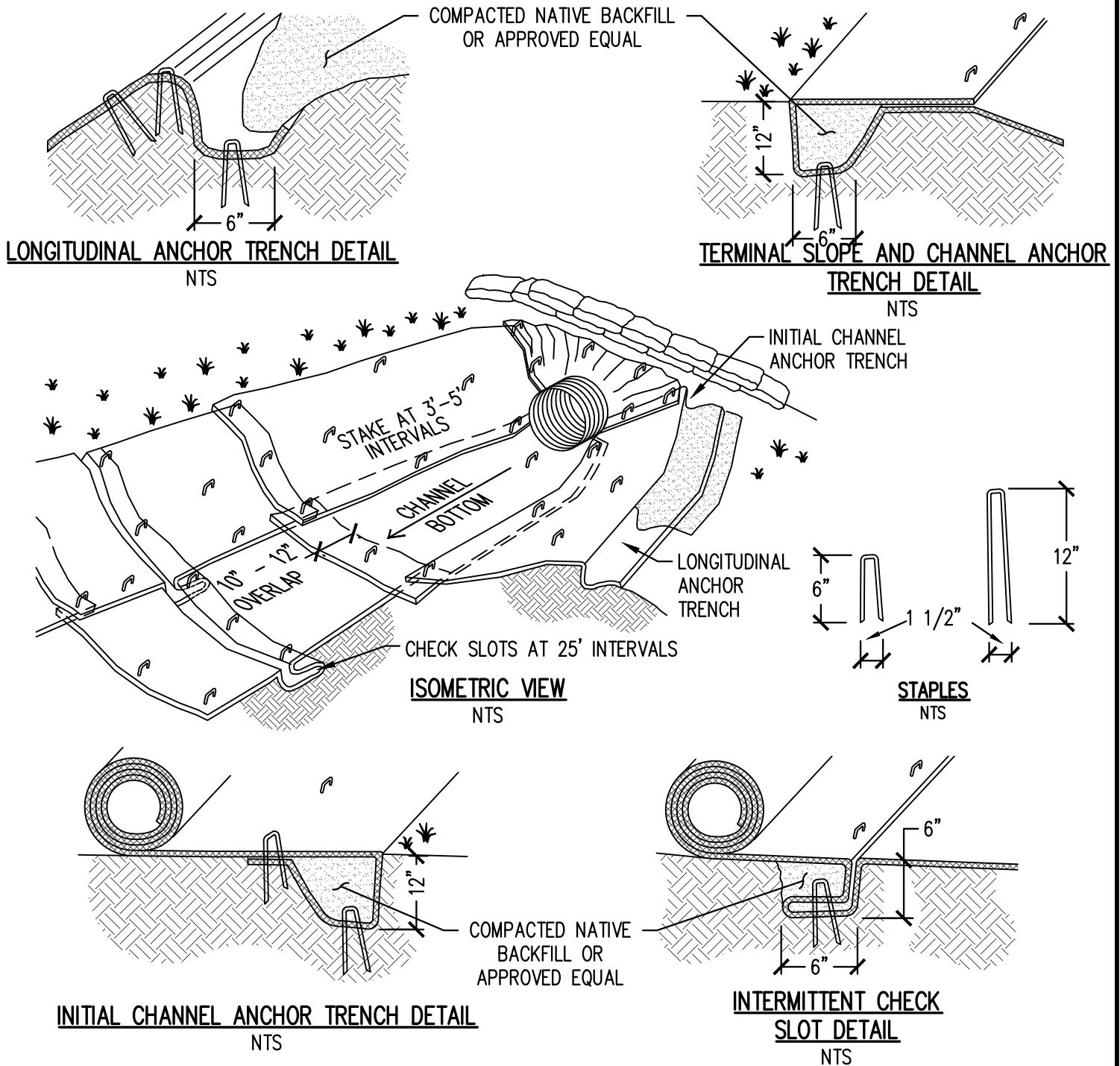
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NOTES:

1. SLOPE SURFACE SHALL BE FREE OF ROCKS, CLODS, STICKS AND GRASS. MATS/BLANKETS SHALL HAVE GOOD SOIL CONTACT.
2. LAY BLANKETS LOOSELY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH THE SOIL. DO NOT STRETCH.
3. STAPLING LAYOUT PATTERN SHOWN IS MINIMUM REQUIRED. STAPLING LAYOUT PER MANUFACTURERS SPECIFICATIONS.
4. CHECK SLOTS TO BE CONSTRUCTED PER MANUFACTURERS SPECIFICATIONS.
5. STAPLE LENGTH AND QUANTITY DEPENDS ON SOIL DENSITY. USE 6" STAPLES ON COMPACTED SOILS. USE 12" STAPLES ON LOOSE SOILS. SEE MANUFACTURERS SPECIFICATIONS.
6. FOR OUTLET APPLICATIONS, INSTALL MATTING PRIOR TO RIP RAP PLACEMENT.

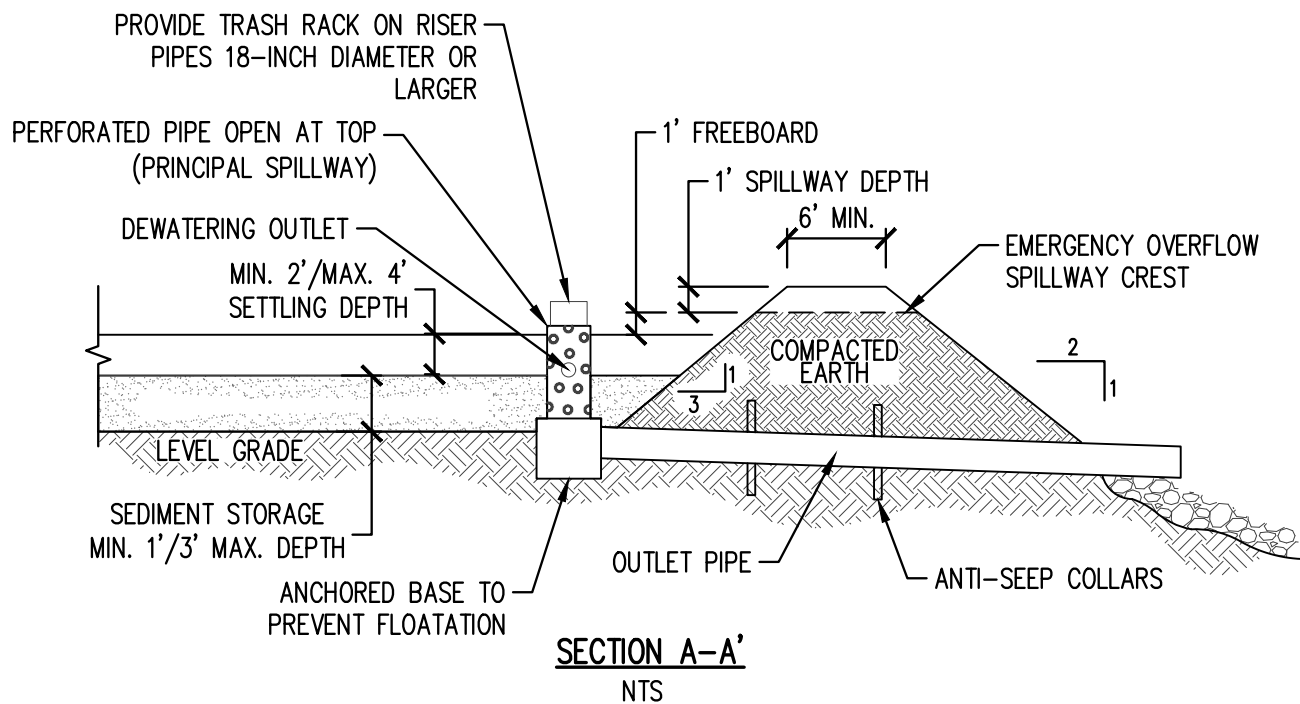
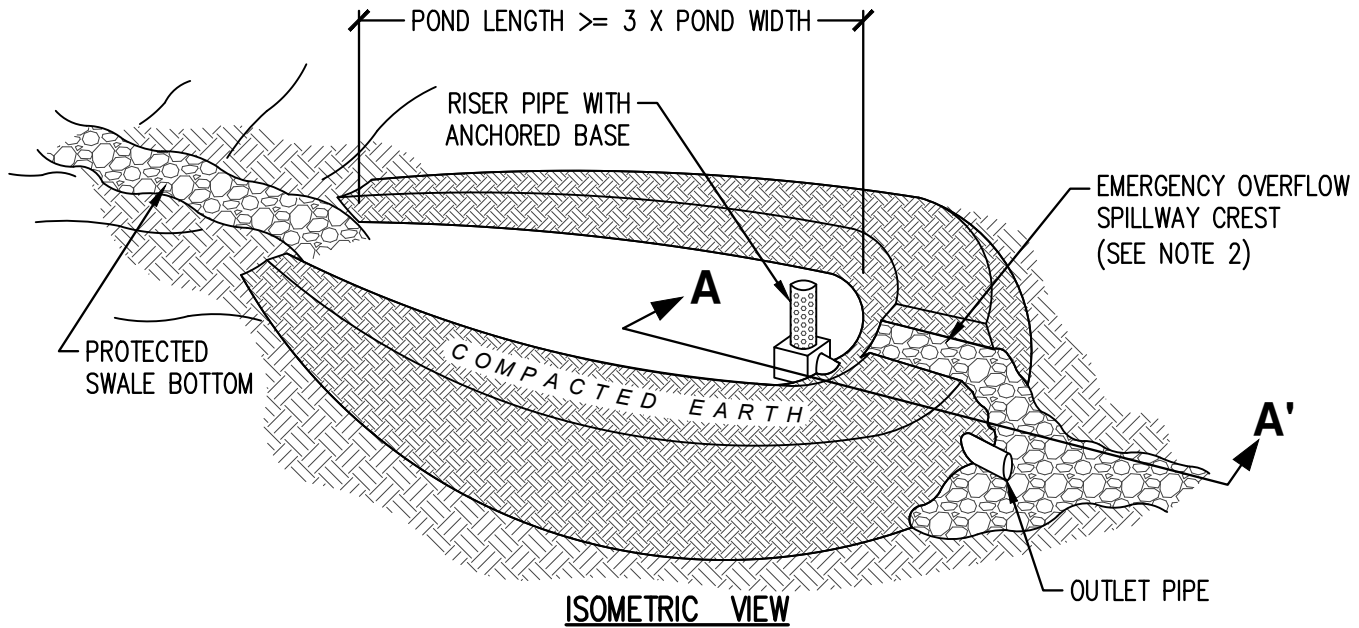
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EROSION PREVENTION AND SEDIMENT CONTROL





NOTES:

1. COMPACTED EARTH SHALL BE CONSTRUCTED TO CITY OF KEIZER CONSTRUCTION SPECIFICATIONS FOR EMBANKMENT.
2. PROTECT SPILLWAY AND OUTLET AREA WITH MINIMUM 4"-6" OPEN GRADED ANGULAR ROCK 12" MINIMUM THICKNESS.
3. USE ADDITIONAL BMPs SUCH AS, 50' MINIMUM OF HIGHLY VEGETATED AREA AND / OR SEDIMENT FENCE AS NECESSARY TO CONTROL SEDIMENT PRIOR TO DISCHARGING TO STREAM OR WETLAND.

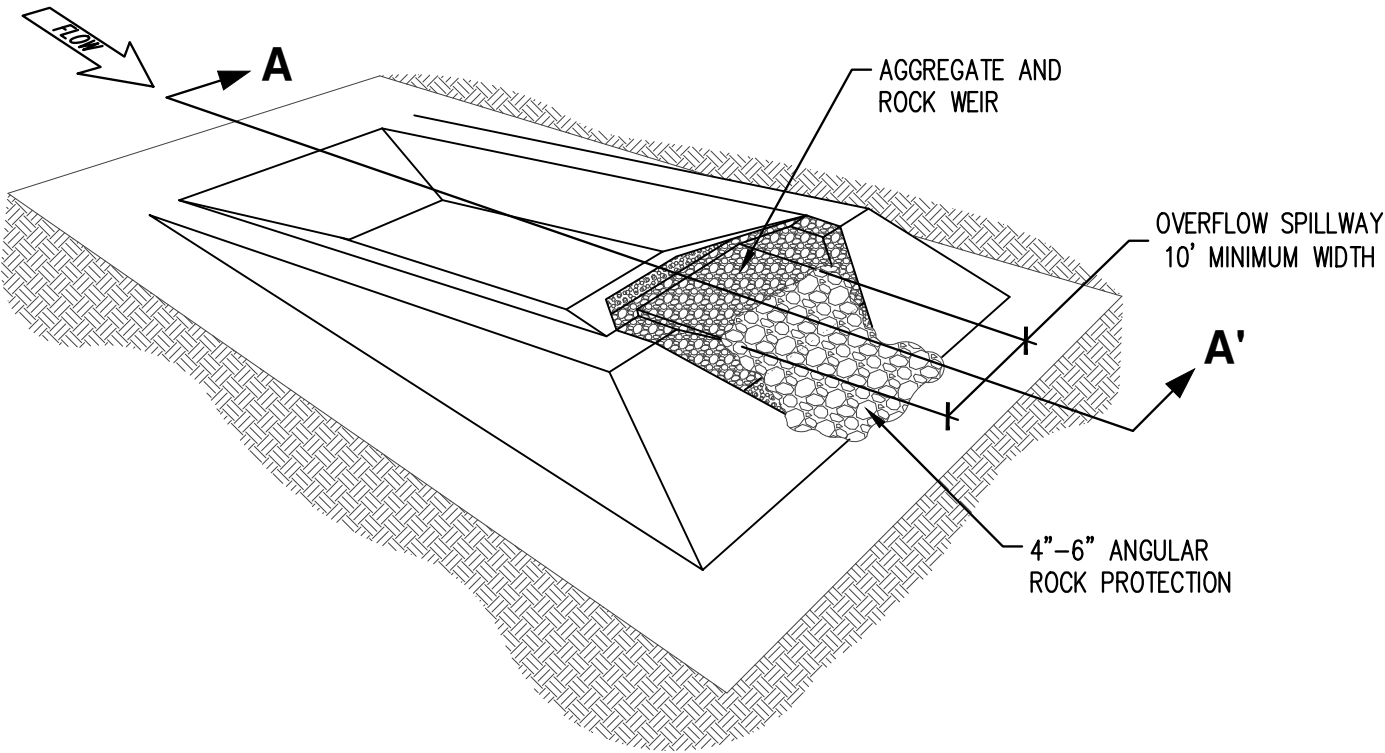
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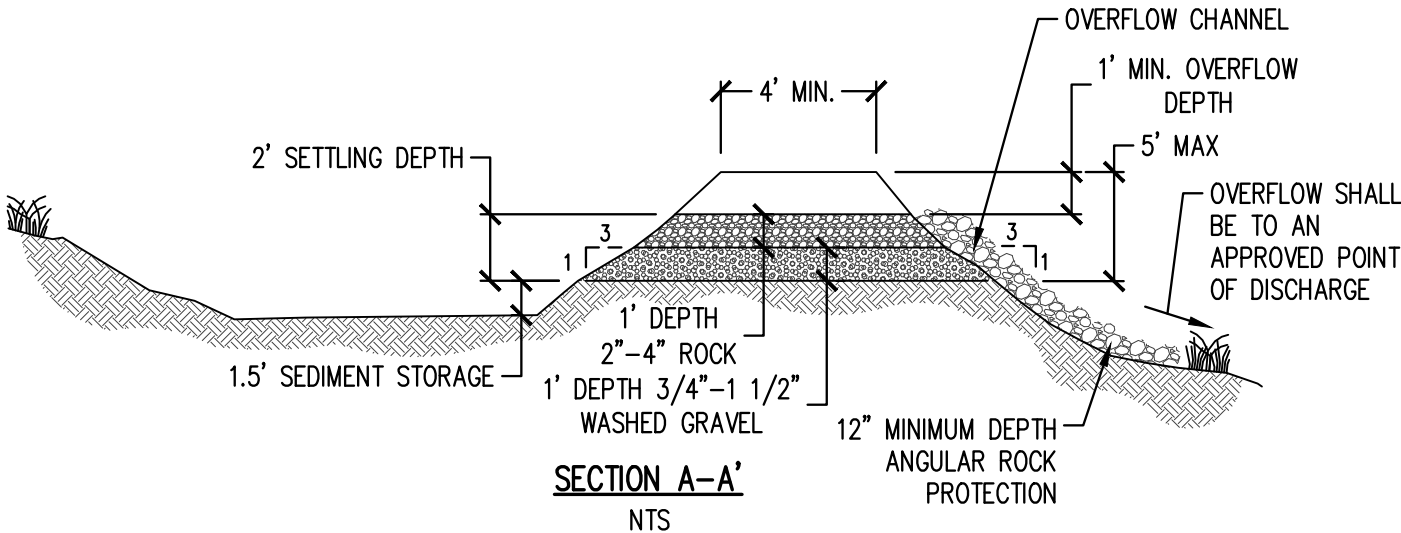
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SEDIMENT TRAP OUTLET
NTS



- NOTES:**
1. MAY BE CONSTRUCTED BY EXCAVATION OR BY BUILDING A COMPACTED BERM.
 2. A SEDIMENT FENCE OR SIMILAR PRODUCT MUST BE CONSTRUCTED TO FILTER RUNOFF FROM THE SEDIMENT TRAP PRIOR TO DISCHARGE FROM THE CONSTRUCTION SITE.
 3. UTILIZE A SEDIMENT TRAP AT THE LOW POINT DISCHARGES OF SEDIMENT FENCE BARRIERS.

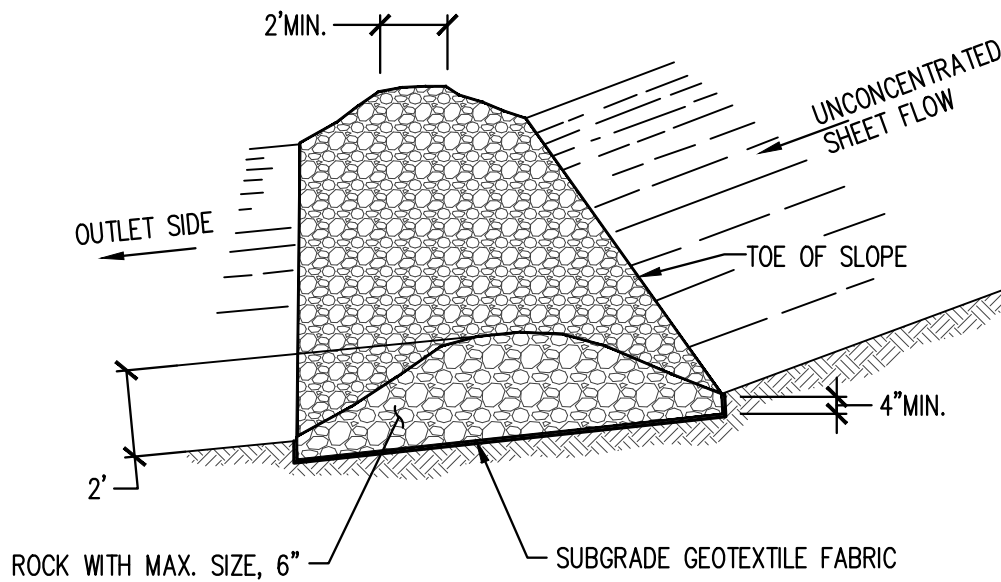
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NOTES:

1. DIRECT THE OUTLET SIDE OF THE FILTER BERM ONTO A STABILIZED AREA, SUCH AS VEGETATION AND OR APPROPRIATELY SIZED RIP-RAP PAD.
2. EMBED A MIN. OF 4" INTO THE EXISTING GROUND/EMBANKMENT.
3. USE 3:1 OR FLATTER SIDE SLOPES.

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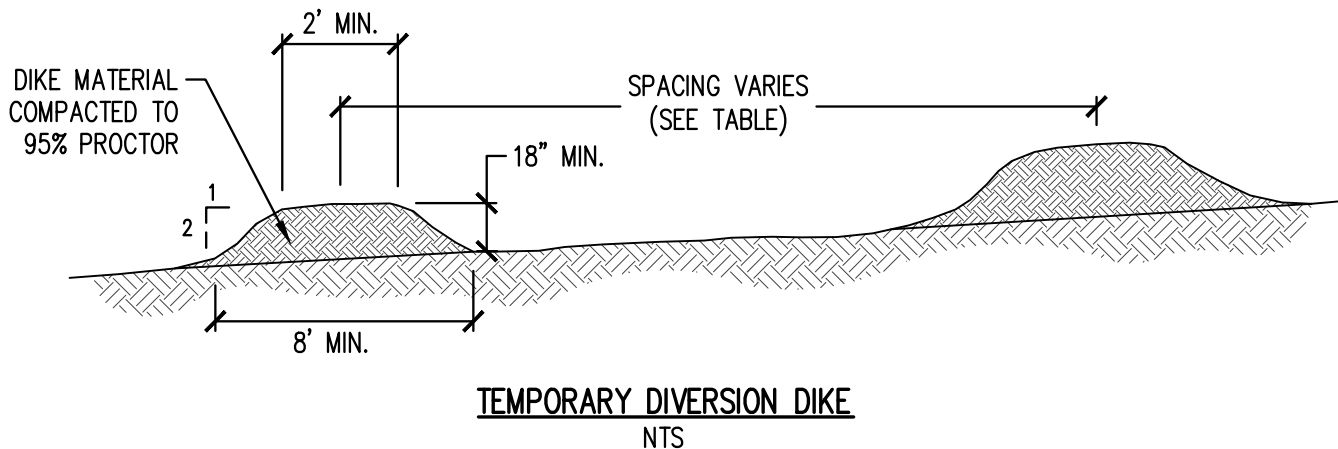
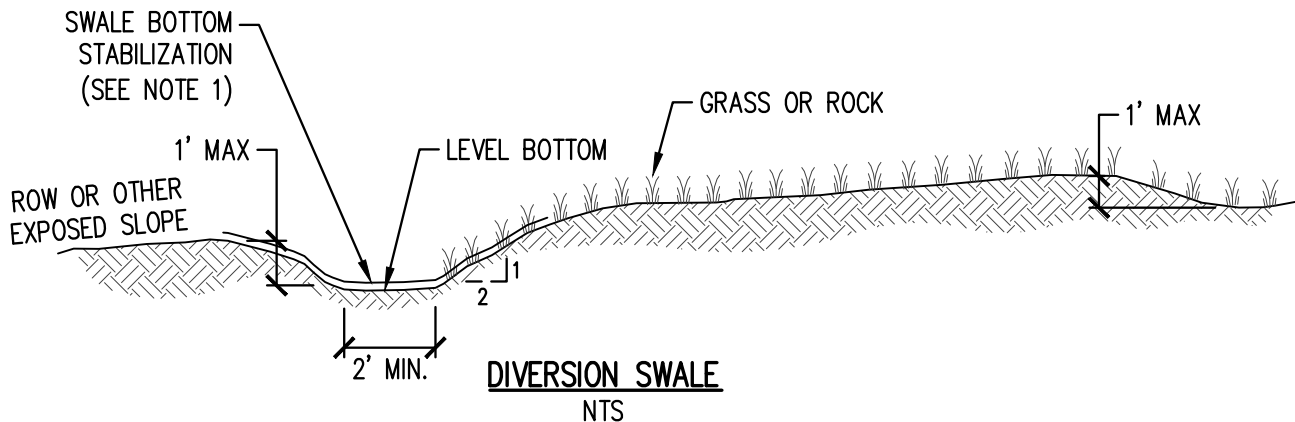
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SWALE PROPERTIES TABLE

| FEATURE | CONSTRAINTS |
|--------------|----------------------|
| BOTTOM WIDTH | 2 FEET (MIN.) |
| DEPTH | 1 FOOT (MAX) |
| SIDE SLOPE | 2H:1V OR FLATTER |
| SWALE GRADE | MAX. 5% (SEE NOTE 2) |



| DIVERSION DIKE SPACING | |
|------------------------|----------|
| SLOPE | SPACING |
| < 5% | 300 FEET |
| 5 - 10% | 200 FEET |
| 10 - 40% | 100 FEET |

NOTES:

1. STABILIZE SWALE BOTTOMS WITH ESTABLISHED VEGETATION OR EROSION CONTROL BLANKETS PRIOR TO USE.
2. CONSTRUCT WITH POSITIVE DRAINAGE TO AN APPROVED OUTLET, SUCH AS SEDIMENTATION TRAP OR SEDIMENT POND. SEE STANDARD PLANS EC-212 AND EC-213

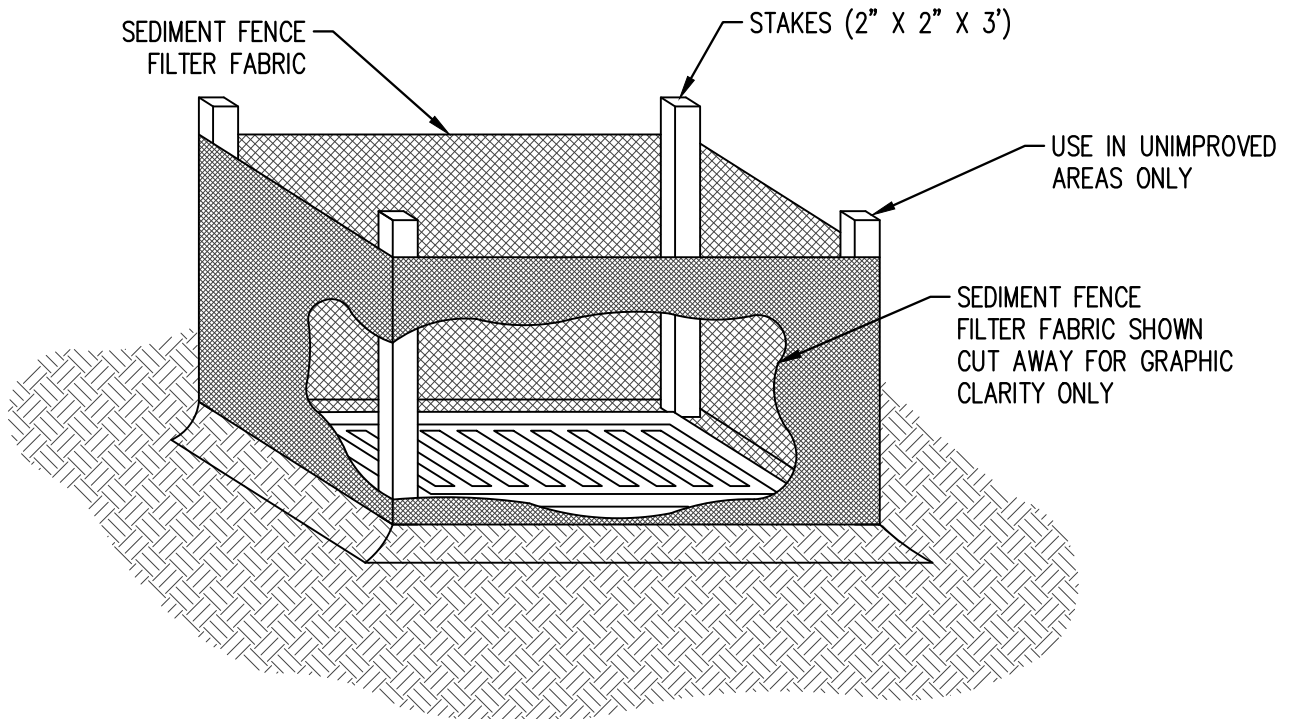
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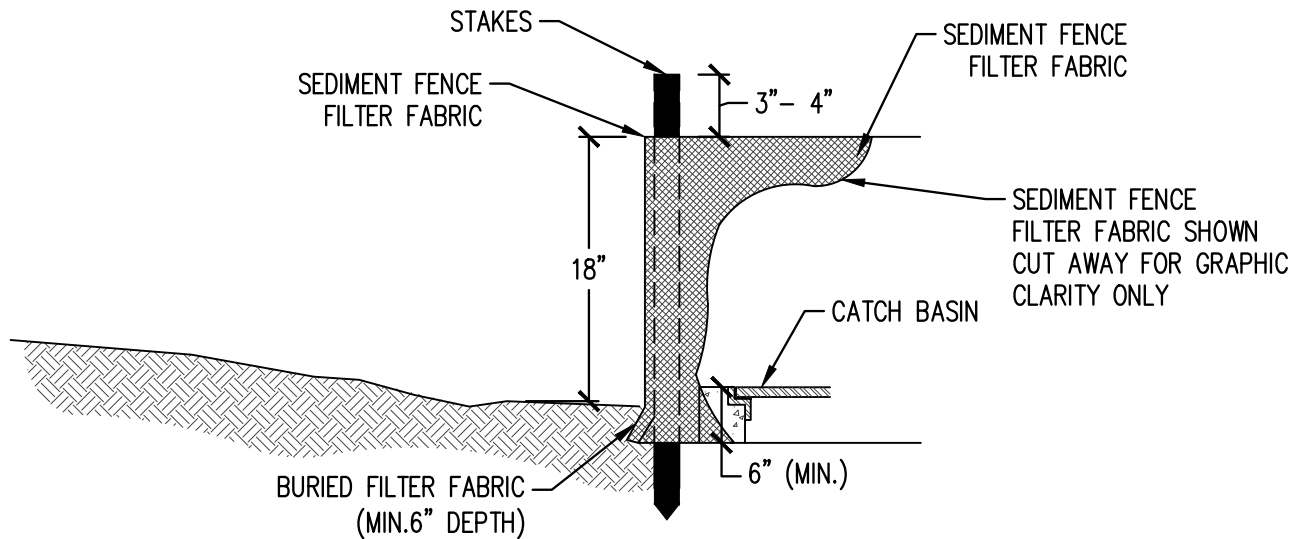
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ISOMETRIC VIEW

NTS



SECTION VIEW

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NOTES:

1. ATTACH FILTER FABRIC TO WOOD STAKES WITH OVERLAPPED FABRIC AT JOINT. MINIMUM 4" OF OVERLAP.

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