

EROSION & SEDIMENT CONTROL (ESC)



BEST MANAGEMENT PRACTICES (BMPs)

- **ESC Notes**
- **Standard Drawing 31 - Example Erosion Control Plan Map**
- **Standard Drawing 29 - Silt Fence**
- **Standard Drawing 32 - Silt Sack**
- **Standard Drawing 35 - Construction Entrance**

EROSION & SEDIMENTATION CONTROL (ESC) PLAN:

NOTES:

General

- All land clearing, construction or development involving the movement of earth shall be in accordance with the ESC Plan.
- All sediment is to be kept on site to the maximum extent practicable.
- Erosion control Best Management Practices (BMPs) are to be installed prior to construction.
- An erosion control inspection is required by the city prior to a building or grading permit being issued. Call (509) 432-9052 to schedule an inspection.
- A city stormwater Certificate of Completion will not be issued until site is permanently stabilized and temporary BMPs are removed.
- Additional erosion control may be required if site conditions change or the city inspector determines that the indicated measures are inadequate.

Pre-Construction

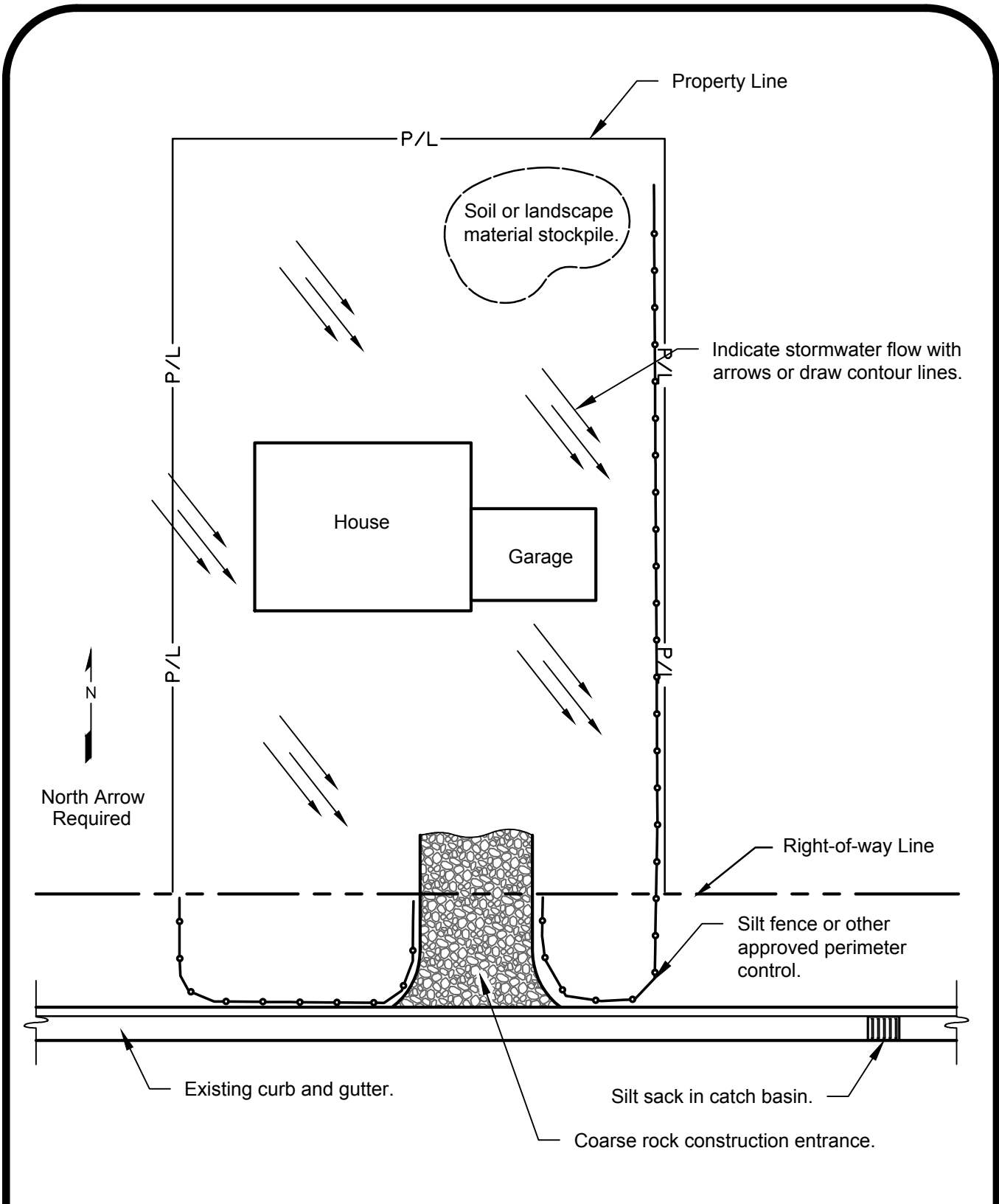
- Install perimeter control (silt fence or approved alternative) per city of Pullman Standard Construction Specifications, Drawing #29.
- Install rock construction entrance of sufficient size and material at all vehicle access points to control track-out.
- Install inlet protection on all storm drains and catch basins – **silt sacks required at a minimum (if applicable block hood with wattle or approved equal).**

During Construction

- Sweep streets daily as necessary to prevent tracking of sediment.
- Keep concrete washout out of streets and away from storm drains.
- Regularly inspect and, if necessary, perform maintenance on all erosion control BMPs, including construction entrance.
- Track-walk a minimum of 4" of topsoil up and down on all slopes.
- Cover all exposed soil using hydro-seed, hydro-mulch, straw mulch or approved equal.

Post-Construction

- Permanently stabilize site with established grass stand or other landscaping.
- Once site is permanently stabilized, remove all temporary erosion control BMPs (i.e. silt fence & silt sacks).
- Clear street and sidewalk of construction related debris & sediment.



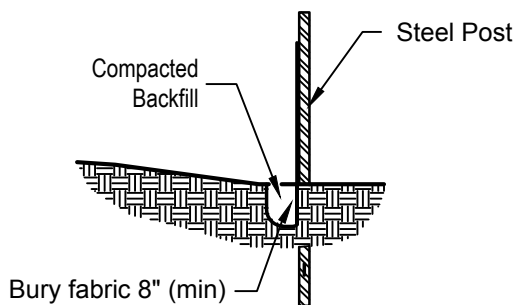
P:\Engr & CAD\STANDARD DWGS - ALL YEARS\Std Dwgs 2018\31 Erosion Map

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EXAMPLE EROSION CONTROL PLAN MAP

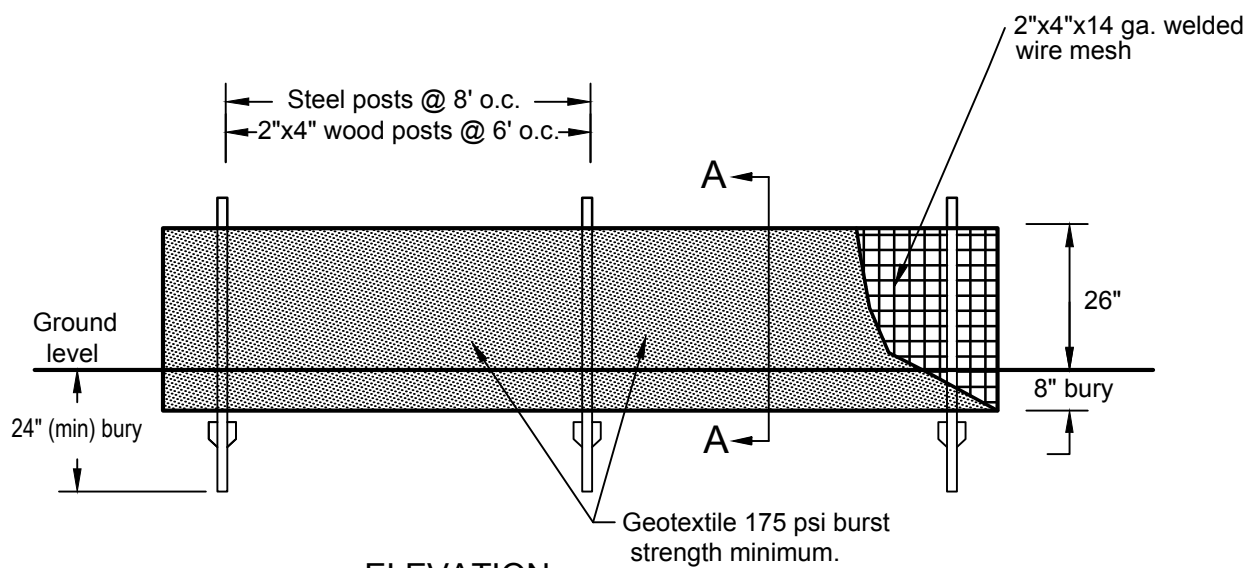
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31



Fence with 2'x2' pre-installed posts are not allowed.

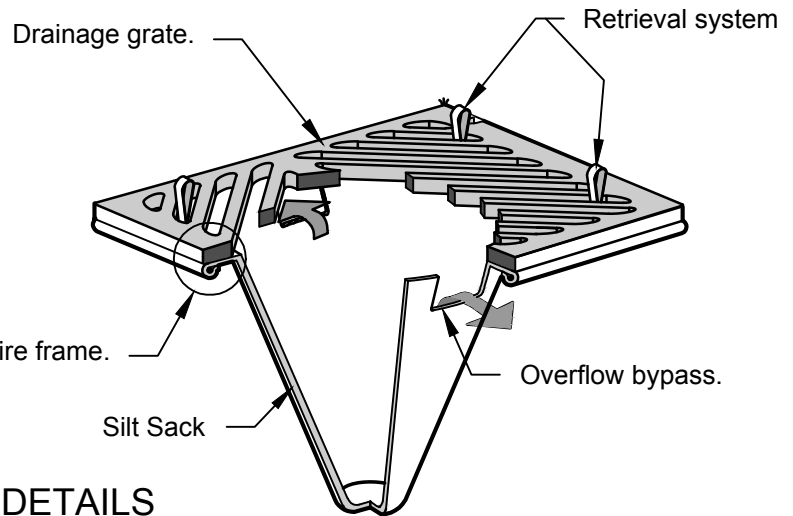
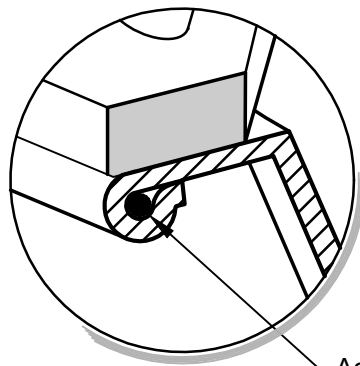
SECTION A-A



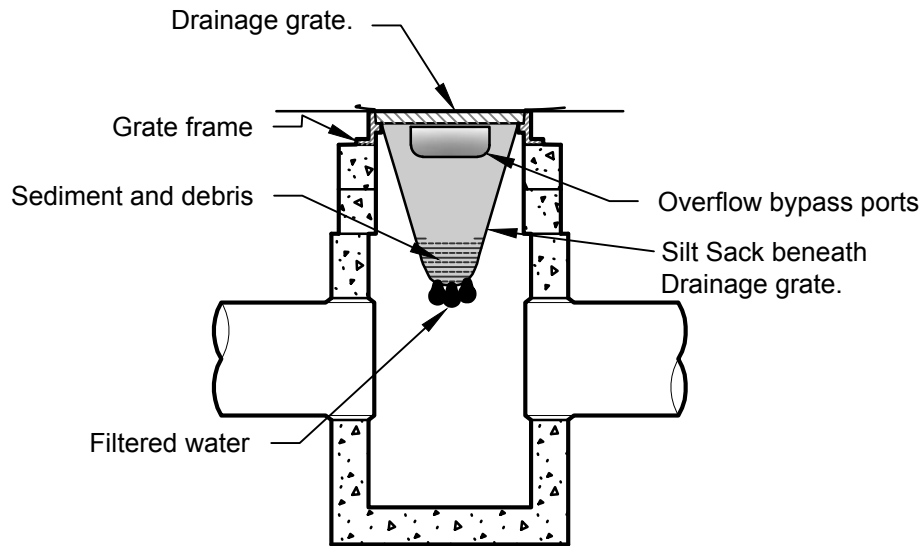
ELEVATION

SILT FENCE NOTES:

1. Attach wire mesh to posts with approved metal devices.
2. Attach geotextile fabric to the up-slope side of the posts and wire mesh top and bottom with approved metal fasteners @ 24" o.c. maximum spacing.
3. Geotextile fabric top edge shall be 26" minimum above ground.
4. Overlap vertical silt fence splices 8' minimum (post to post). See elevation, above.
Avoid sumps and other low points.



DETAILS

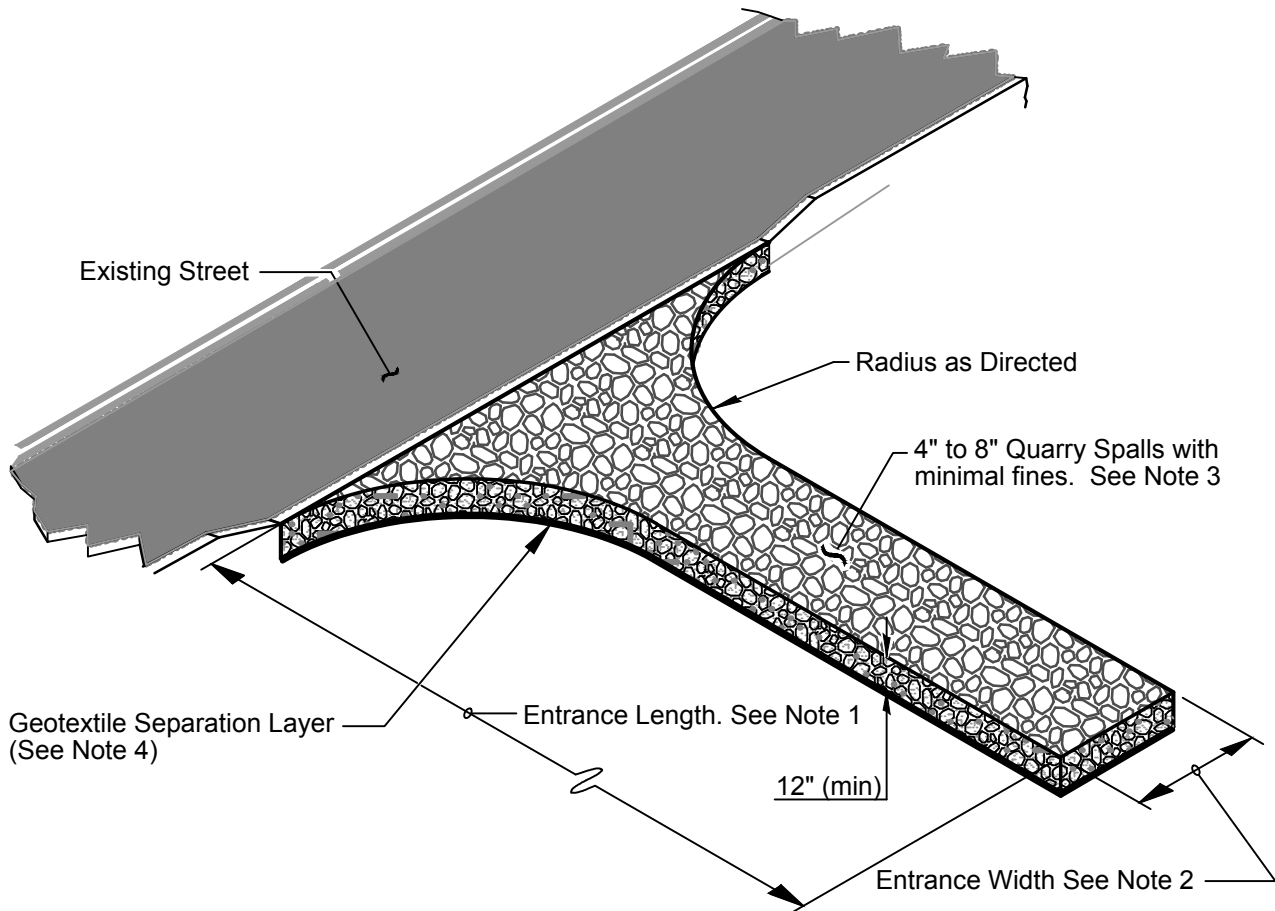


SECTION

NOT TO SCALE

NOTES:

1. Size and shape of the silt sack must fit the storm structure it will service (rectangular or round).
2. The silt sack shall have a built-in high-flow relief system (overflow bypass).
3. The silt sack assembly must allow removal without spilling the collected material.
4. Empty silt sack and dispose of sediment and debris before the sack is half-full.
5. Ensure the silt sack assembly does not spill or fall into the storm structure. If sediment is spilled into the storm structure, remove the spilled material by suction hose or other approved method.
6. Provide protection for catch basin hoods (wattles, 2"x4" lumber, and so forth).



NOTES:

1. Entry width shall be as required, with a 50-foot minimum length. Entry length may be reduced to 25-foot minimum for sites containing less than one acre of exposed soil. (See Note 2)
2. Install full depth of rock for the full width of the entrance: 15-foot minimum.
3. Smaller crushed rock such as base course with minimal fines may be used on projects less than 1 acre in size.
4. Separation geotextile shall be placed under spalls on projects 1 acre and greater in size.

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CONSTRUCTION ENTRANCE

PAGE NO:

35