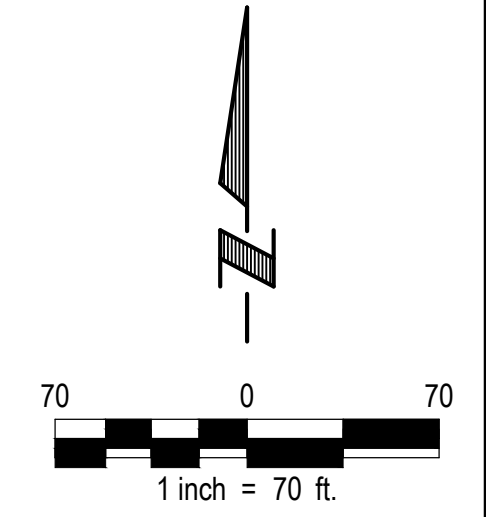


LEGEND

- Diversion Berm
- Silt Fence
- Existing Contours
- Proposed Contours
- Sediment Basin Perimeter
- Limits of Construction
- Erosion Control Terrace
- Fill Areas
- Erosion Control Matting
- Construction Entrance



GRADING & EROSION CONTROL BUILD NOTES

- CE 1 Construct stone construction entrance - See Figure 9-3 per ORSWDM.
- SF X Construct silt fence - Per City Of Omaha Standard Plate 101-02.
- WO 1 Install concrete washout facility - Per City Of Omaha Standard Plate 101-06.
- MS 1 Proposed material storage area - Alternate Location Shall be Approved By the INSPECTOR.
- WS 1 Proposed waste storage area - Alternate Location Shall be Approved By the INSPECTOR.
- RN X Install Inlet Protection - Per City Of Omaha Standard Plate 101-03.
- RM X Install Erosion Control Mat, See Erosion Control Mat General Notes On Sheet.

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RIDGEVIEW APARTMENTS
 US ROUTE 34 & 1ST AVENUE
 SARPY COUNTY, NEBRASKA

SWPPP

Revisions	Description	Date	By

Proj No: 2011.160.03	
Date: 01/21/2022	
Designed By: DRH	
Drawn By: EJK	
Scale: AS SHOWN	
Sheet: 7 of 10	

Type: Raw File: K:\Projects\2011\160\03\Engineering\CAD Files\Civil\Site\SITE - Platinum Apartments - 030.dwg

STORM WATER POLLUTION PREVENTION PLAN GENERAL NOTES

- Project procedures and materials shall conform to the following publication and any additions thereto: Omaha Regional Stormwater Design Manual and the SWPPP Map Preparation Guide. The aforementioned publications can be found at: <https://omahastormwater.org>.
- OPERATORS/CONTRACTORS shall comply with noise and dust control ordinances.
- OPERATORS/CONTRACTORS shall locate existing utilities prior to the start of work. (One Call 811).
- Barricades shall conform to Omaha Public Works "Barricading Standards, Specifications, Methods & Materials", And/or the "Manual on Uniform Traffic Control Devices".
- OPERATORS/CONTRACTORS shall be responsible for compliance with OSHA Regulations.
- OPERATORS/CONTRACTORS shall confirm with the applicant that governmental approvals have been received prior to the start of work.
- The APPLICANT and INSPECTOR shall comply with government regulations to minimize the potential for erosion and pollution.
- OPERATORS/CONTRACTORS shall perform construction activities as directed by the applicant, inspector, and government regulators to minimize the potential for erosion and pollution.
- Each OPERATOR/CONTRACTOR shall monitor silt fencing and other Best Management Practices (BMPs), within their areas of responsibility, and install additional BMPs as necessary and as directed by the INSPECTOR.
- Each OPERATOR/CONTRACTOR shall periodically remove accumulated sediment from temporary sediment traps, temporary sediment basins, behind silt fences, and other erosion control measures that store sediment, within their areas of responsibility, if necessary and as directed by the INSPECTOR.
- Each OPERATOR/CONTRACTOR shall build stabilized construction entrances, within their areas of responsibility and as defined within the SWPPP. Each OPERATOR/CONTRACTOR shall monitor and maintain stabilized construction entrances within their areas of responsibility as needed or as directed by the INSPECTOR. OPERATORS/CONTRACTORS shall not use any other access to the site or allow others to use alternate access points.
- Each OPERATOR/CONTRACTOR shall maintain and perform preventative maintenance on each best management practice (BMP), within their areas of responsibility, to ensure their function. The Inspector shall ensure preventative maintenance is being performed.
- BMP's shall be kept in working order. Each OPERATOR/CONTRACTOR shall repair any defects or damages, within their areas of responsibility, at or before the end of each working day or as directed by the Inspector.
- BMP's may not be removed without INSPECTOR and applicable governmental approval.
- Each OPERATOR/CONTRACTOR shall be responsible for adhering to BMP's within their areas of responsibility.
- In the event of a release of oil or hazardous substance, OPERATORS/CONTRACTORS shall comply with the requirements of the Nebraska Department of Environmental Quality for Notification, Containment, Investigation, Remedial Action and Disposal.
- The APPLICANT, INSPECTOR and CONTRACTORS/OPERATORS shall ensure temporary diversion dikes and temporary fill diversions are constructed as shown within the SWPPP And as necessary to properly control pollutant discharge. Temporary diversion dikes and temporary fill diversions shall be installed at the end of each working day, prior to all rain events, and as directed by the Inspector.
- The APPLICANT, INSPECTOR, and/or OPERATORS/CONTRACTORS shall allow government regulators access to the site for inspections at any time, at the implementing agency's discretion.
- The APPLICANT, INSPECTOR and CONTRACTORS/OPERATORS must initiate stabilization measures, such as temporary seeding, permanent seeding, and/or mulching, as soon as possible on portions of the site where construction activities have temporarily or permanently ceased, but in no case more than 14 days after construction activity on that portion of the site where work has ceased. Temporary seeding (9.5.20), Permanent seeding (9.5.21), and mulching (9.5.23) BMP's Presented within the Omaha Regional Stormwater Design Manual shall be adhered to at all times. This publication can be found at: <https://omahastormwater.org>.
- For dust control, the APPLICANT, INSPECTOR AND CONTRACTORS/OPERATORS may use the following measures, singularly or in combination: establish temporary seeding, establish permanent seeding, mulch in areas subject to little or no construction traffic; irrigate stripped areas and/or haul roads; reduce vehicular speed on haul roads; or other options as directed by the inspector. Furthermore, the dust control (9.5.17) BMP presented within the Omaha Regional Stormwater Design Manual shall be adhered to at all times.
- The APPLICANT, INSPECTOR and CONTRACTORS/OPERATORS shall ensure sediment transported onto public streets is removed as needed, prior to rain events and, at a minimum, at the end of each working day. Sediment shall be shoveled and/or swept from the street and disposed of in a manner that prevents stormwater contamination. Furthermore, the street cleaning/sweeping (SM-4) BMP presented within the SWPPP Map Preparation Guide, shall be adhered to at all times.
- The APPLICANT, INSPECTOR and CONTRACTORS/OPERATORS shall adhere to all good housekeeping bmp's presented within the Supplemental BMP Guide. Good housekeeping BMP's Focus on keeping the work site clean and orderly while handling materials and waste in a manner that eliminates the potential for pollutant runoff. Good housekeeping BMP's such as Sanitary Waste Management (SM-1), Solid Waste Management (SM-2), Material Delivery & Storage (SM-3), Street Cleaning/Sweeping (SM-4), and Vehicle & Equipment Fueling (SM-5) shall be addressed when applicable.
- To better inform all concerned parties about the existence of the SWPPP, the APPLICANT, INSPECTOR and CONTRACTORS/OPERATORS shall ensure an easily visible and legible sign be prominently posted at conspicuous locations near site entry points. Signs must be in conformance with the SWPPP Notification Sign (SM-6) presented within the SWPPP Map Preparation Guide.
- The SWPPP documents (e.g., NDEQ-NPDES, SWPPP-SM, SWPPP-N, ETC.) are essential and a requirement in one part is binding as though occurring in all. The documents describe and provide the complete SWPPP. The APPLICANT, INSPECTOR and/or CONTRACTORS/OPERATORS may not take advantage of any SWPPP errors or omissions. The INSPECTOR shall notify the APPLICANT, DESIGNER and CONTRACTORS/OPERATORS promptly of any omissions or errors within one business day of discovery. The APPLICANT shall instruct the DESIGNER to make any corrections necessary to fulfill the overall intent of the SWPPP documents (e.g., Grading Permit Modification Form). In the case of a discrepancy between parts of the SWPPP documents, the most stringent requirement shall rule.

MAINTENANCE SCHEDULE:

- The following Maintenance Schedule has been provided. The INSPECTOR must perform the Inspections. The OPERATOR/CONTRACTOR must perform all needed maintenance. Furthermore, all erosion control features requiring maintenance may not be listed below. The OPERATOR/CONTRACTOR and INSPECTOR must perform their respective duties on all BMP's that are not listed below as well.
- Construction Entrance** - The entrance shall be maintained in a condition which will prevent tracking or flow of sediment onto public rights-of-way. This may require periodic top dressing with additional stone or the washing and reworking of existing stone as conditions demand and repair and/or cleanout of any structures used to trap sediment. All materials spilled, dropped, washed, or tracked from vehicles onto roadways or into storm drains must be removed immediately. The use of water trucks to remove materials dropped, washed, or tracked onto roadways will not be permitted under any circumstances.
 - Silt Fence** - The maintenance measures are as follows: (2.1) silt fences shall be inspected immediately after each rainfall and at least daily during prolonged rainfall, any required repairs shall be made immediately; (2.2) close attention shall be paid to the repair of damaged silt fence resulting from end runs and undercutting; (2.3) should the fabric on a silt fence decompose or become ineffective prior to the end of the expected usable life and the barrier is still necessary, the fabric shall be replaced promptly; (2.4) sediment deposits must be removed when the level of deposition reaches approximately one-half the height of the barrier; and (2.5) any sediment deposits remaining in place after the silt fence is no longer required shall be dressed to conform to the existing grade, prepared and seeded.
 - Storm Drain Inlet Protection** - The maintenance measures are as follows: (3.1) structures shall be inspected after each rain and repairs made as necessary and (3.2) structures shall be removed and the area stabilized when the remaining drainage area has been properly stabilized.
 - Temporary Diversion Dike** - The measure shall be inspected after every storm and repairs made to the dike, flow channel, outlet or sediment trapping facility, as necessary. Once every two weeks, whether a storm event has occurred or not, the measure shall be inspected and repairs made if needed. Damages caused by construction traffic or other activity must be repaired before the end of each working day.
 - Temporary Fill Diversion** - Since the practice is temporary and under most situations will be covered the next working day. The maintenance required should be low. If the practice is to remain in use for more than one day, an inspection shall be made at the end of each work day and repairs made to the measure if needed. The OPERATOR/CONTRACTOR should avoid the placement of any material over the structure while it is in use. Construction traffic should not be permitted to cross the diversion.
 - Temporary Sediment Trap** - The maintenance measures are as follows: (6.1) sediment shall be removed and the trap restored to its original dimensions when the sediment has accumulated to one half the design volume of the wet storage, sediment removal from the basin shall be deposited in a suitable area and in such a manner that it will not erode and cause sedimentation problems; (6.2) filter stone shall be regularly checked to ensure that filtration performance is maintained, stone choked with sediment shall be removed and cleaned or replaced; and (6.3) the structure should be checked regularly to ensure that it is structurally sound and has not been damaged by erosion or construction equipment, the height of the stone outlet should be checked to ensure that its center is at least 1 foot below the top of the embankment.
 - Temporary Sediment Basin** - The basin embankment should be checked regularly to ensure that it is structurally sound and has not been damaged by erosion or construction equipment. The emergency spillway should be checked regularly to ensure that its lining is well established and erosion-resistant. The basin should be checked after each runoff producing rainfall for sediment cleanout and trash removal. When the sediment reaches the cleanout level, it shall be removed and properly disposed of.
 - Temporary Seeding** - Areas which fail to establish vegetative cover adequate to prevent rill erosion will be re-seeded as soon as such areas are identified. Control weeds by mowing.
 - Permanent Seeding** - The maintenance measures are as follows: (9.1) in general, a stand of vegetation cannot be determined to be fully established until it has been maintained for one full year after planting; (9.2) new seedlings shall be supplied with adequate moisture, supply water as needed, especially late in the season, in abnormally hot or dry conditions, or on adverse sites, water applications shall be controlled to prevent excessive runoff; (9.3) inspect all seeded areas for failures and make necessary repairs, replacements, and reseedings within the planting season, if possible; [9.3a] if stand is inadequate for erosion control, over seed and fertilize using half of the rates originally specified; [9.3b] if stand is 60% damaged, re-establish following seedbed and seeding recommendations; [9.3c] if stand has less than 40% cover, re-evaluate choice of plant materials and quantities of lime and fertilizer, the soil must be tested to determine if acidity or nutrient imbalances are responsible, re-establish the stand following seedbed and seeding recommendations.
 - Mulching** - All mulches and soil coverings should be inspected periodically (particularly after rainstorms) to check for erosion. Where erosion is observed in mulched areas, additional mulch should be applied. Nets and mats should be inspected after rainstorms for dislocation or failure. If washouts or breakage occur, reinstall netting or matting as necessary after repairing damage to the slope or ditch. Inspections should take place until grasses are firmly established. Where mulch is used in conjunction with ornamental plantings, inspect periodically throughout the year to determine if mulch is maintaining coverage of the soil surface; repair as needed.
 - Soil Stabilization Blankets & Matting** - All soil stabilization blankets and matting should be inspected periodically following installation, particularly after rainstorms to check for erosion and undermining. Any dislocation or failure should be repaired immediately. If washouts or breakage occurs, reinstall the material after repairing damage to the slope or ditch. Continue to monitor these areas until which time they become permanently stabilized; at that time an annual inspection should be adequate.
 - Street Cleaning/Sweeping** - The maintenance measures are as follows: (12.1) evaluate access points daily for sediment tracking; (12.2) when tracked or spilled sediment is found on paved surfaces, it will be removed daily, during times of heavy track-out such as during rains, cleaning may be done several times throughout the day; (12.3) unknown spills or objects will not be mixed with the sediment; and (12.4) if sediment is mixed with other pollutants, it will be disposed of properly at an authorized landfill.

STANDARD DETAILS

NUMBER	NAME	LOCATION
9.5.2	Construction Entrance	Omaha Regional Stormwater Design Manual
9.5.5	Storm Drain Inlet Protection	Omaha Regional Stormwater Design Manual
9.5.7	Temporary Diversion Dike	Omaha Regional Stormwater Design Manual
9.5.8	Temporary Fill Diversion	Omaha Regional Stormwater Design Manual
9.5.14	Temporary Sediment Trap	Omaha Regional Stormwater Design Manual
9.5.15	Temporary Sediment Basin	Omaha Regional Stormwater Design Manual
9.5.16	Dust Control	Omaha Regional Stormwater Design Manual
9.5.19	Temporary Seeding	Omaha Regional Stormwater Design Manual
9.5.20	Permanent Seeding	Omaha Regional Stormwater Design Manual
9.5.22	Mulching	Omaha Regional Stormwater Design Manual
9.5.23	Soil Stabilization Blankets & Matting	Omaha Regional Stormwater Design Manual
9.6.2	Sanitary Waste Management	Omaha Regional Stormwater Design Manual
9.6.3	Solid Waste Management	Omaha Regional Stormwater Design Manual
9.6.4	Material Delivery And Storage	Omaha Regional Stormwater Design Manual
9.6.5	Street Cleaning/Sweeping	Omaha Regional Stormwater Design Manual
9.6.6	Vehicle And Equipment Fueling	Omaha Regional Stormwater Design Manual
9.6.7	SWPPP Notification Sign	Omaha Regional Stormwater Design Manual
9.6.8	Concrete Washout	Omaha Regional Stormwater Design Manual

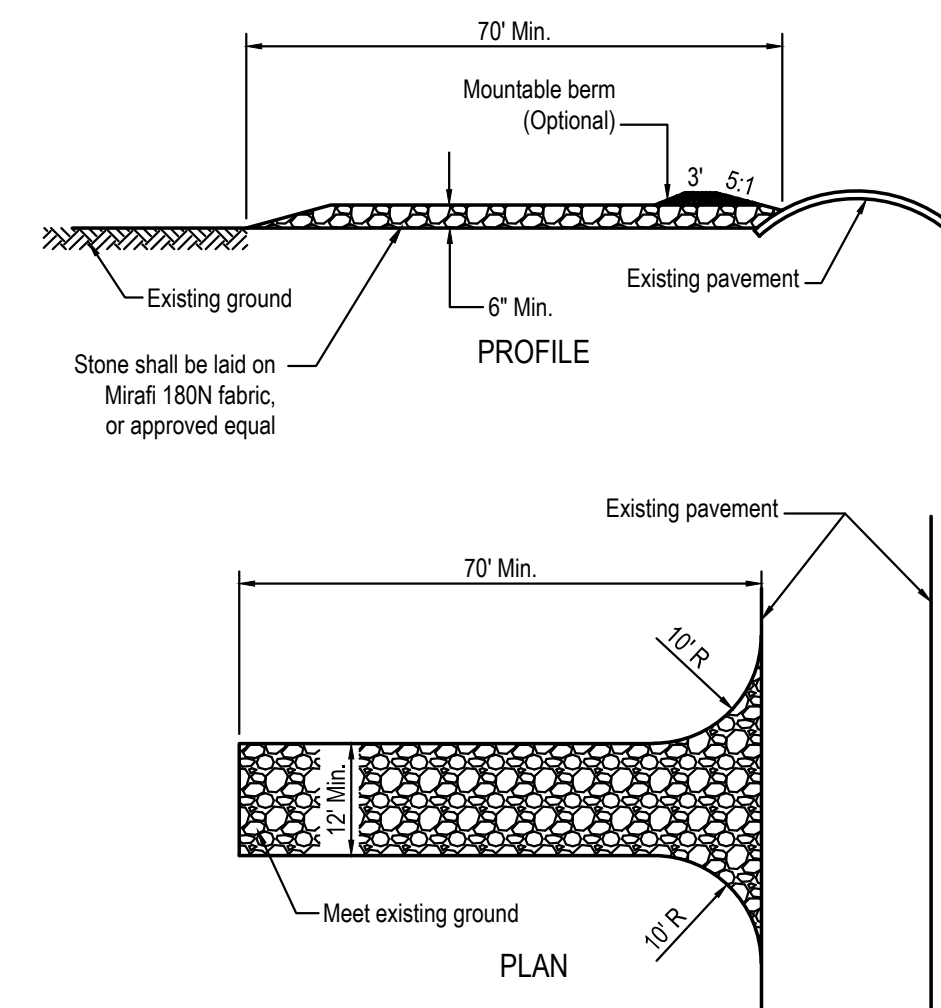
The Omaha Regional Stormwater Design Manual can be found at: <http://omahastormwater.org/orsdm/>

CONSTRUCTION ACTIVITIES & SCHEDULING

ACTIVITY	SCHEDULE
Install all BMP's needed and associated with the Grading Phase such as stabilized construction entrances, silt basins, riser pipes, outlet pipes, silt traps, silt fence, diversions, terraces, etcetera.	Prior to any stripping of existing vegetation or grading.
Proceed with stripping of existing vegetation and grading in accordance with the grading plan, while disturbing no more than is necessary.	After Installing all BMP's needed and associated with the Grading Phase. Furthermore, INSPECTOR approval must be obtained before the start of any stripping of existing vegetation or grading.
Proceed with infrastructure installation.	Infrastructure installation must occur prior to any lot development.
Implement the installation of Temporary Seeding, Permanent Seeding, and/or Mulching.	Stabilization measures must be initiated as soon as possible in portions of the site where construction activities have temporarily or permanently ceased, but in no case more than 14 days after the construction activity in that portion of the site has temporarily or permanently ceased.
Implement the Installation all BMP's needed and associated with the Building Phase.	Building Phase BMP's must be installed concurrently with lot development.
Proceed with removal of BMP's.	BMP's may not be removed until each impacted drainage basin has been fully developed. Full development shall mean installation of pavement, buildings, and utilities, landscaping, and fully established permanent seeding. Furthermore, INSPECTOR approval must be obtained before the removal of any BMP's.

EROSION CONTROL MAT NOTES

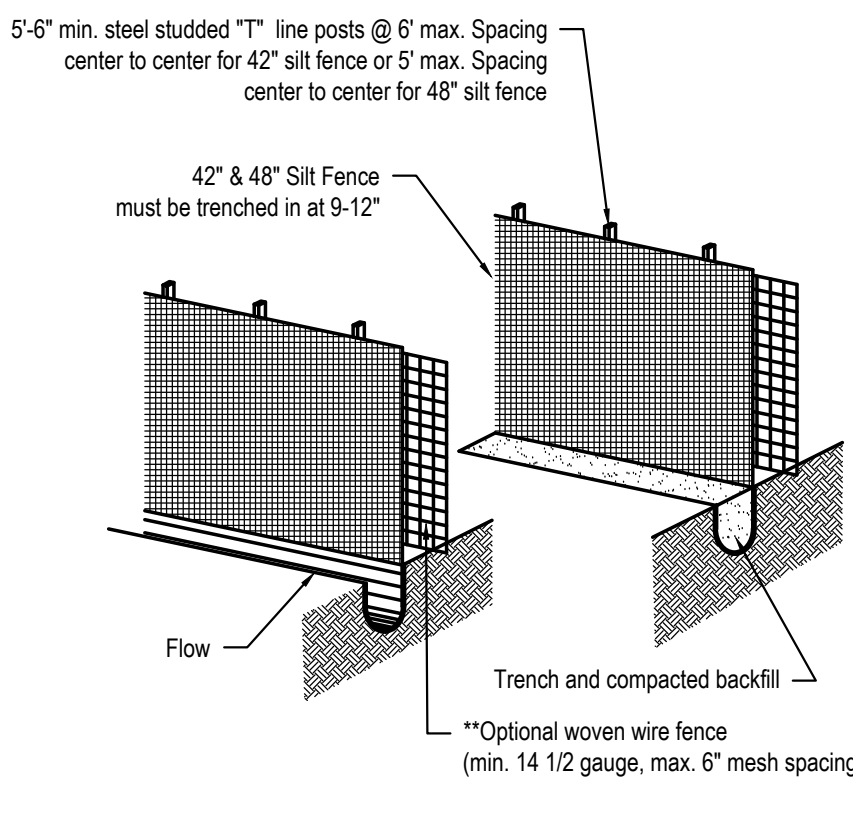
- Erosion Control Mat shall be Flexamat with Curlex II Underlayment, or approved equal. Flexamat available from A.S.P. Enterprises (Attn: Brian Williams) Omaha, NE, 402-861-8579
- Erosion Control Mat shall be installed per manufacturers recommendations



STABILIZED CONSTRUCTION ENTRANCE
NOT TO SCALE

NOTES

- The stone size shall be 2" diameter or a reclaimed broken concrete equivalent.
- Contractor to construct the road to the length required but not less than 50'.
- The thickness of the stone shall be 6".
- The width of the construction entrance shall be 10' minimum, but in no case less than the full width at points where ingress and egress occurs.
- All surface runoff flowing or diverted towards the construction entrance shall be piped across the entrance. If piping is impractical, a mountable berm with SH-TV will be permitted.
- The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment onto public rights-of-way. This may require periodic top dressing with additional stone as conditions demand and repair and/or cleanout of any measures used to trap sediment. All sediment spilled, dropped, tracked, or washed onto public rights-of-way must be removed immediately.
- Wheels shall be cleaned to remove sediment prior to entrance onto public right-of-way. When washing is required, it shall be done on an area stabilized with stone which drains into an approved sediment trapping device.
- Periodic inspection and needed maintenance shall be provided after each rain.



SILT FENCE
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 SARPY COUNTY, NEBRASKA

SWPPP NOTES

- NOTES:**
- Acceptable silt fence specifications- AOS (#20 - 50 Sieve), Water Flow Rate (50 gpm/ sq. ft. - 125 gpm/ sq.ft), Tensile Strength (Grab) - (Min. 120 Warp or greater and Elongation (5-25%).
 - On each new run of silt fence spray paint the beginning of the steel fence posts. A minimum of 3 ties are required for each post. To be located in the top 12" of the silt fence.
 - Silt fence should be securely fastened to each steel support post or to woven wire which is in turn attached to the steel fence posts. A minimum of 3 ties are required for each post. To be located in the top 12" of the silt fence. (Incline all posts 20° Max. from vertical, toward flow)
 - Silt fence shall be trenched in with a silt fence plow so that the downslope face of the trench is flat and perpendicular to the line of flow.
 - Silt fence shall be removed when it has served its usefulness so as not to block or impede storm flow or drainage.
 - Sediment trapped by this practice shall be uniformly distributed on the source area prior to topselling.

Revisions	Description	Date
2011.160.03	2011.160.03	01/21/2022
Designed By:	DRH	EJK
Drawn By:	AS SHOWN	8 of 10
Scale:		
Sheet:		