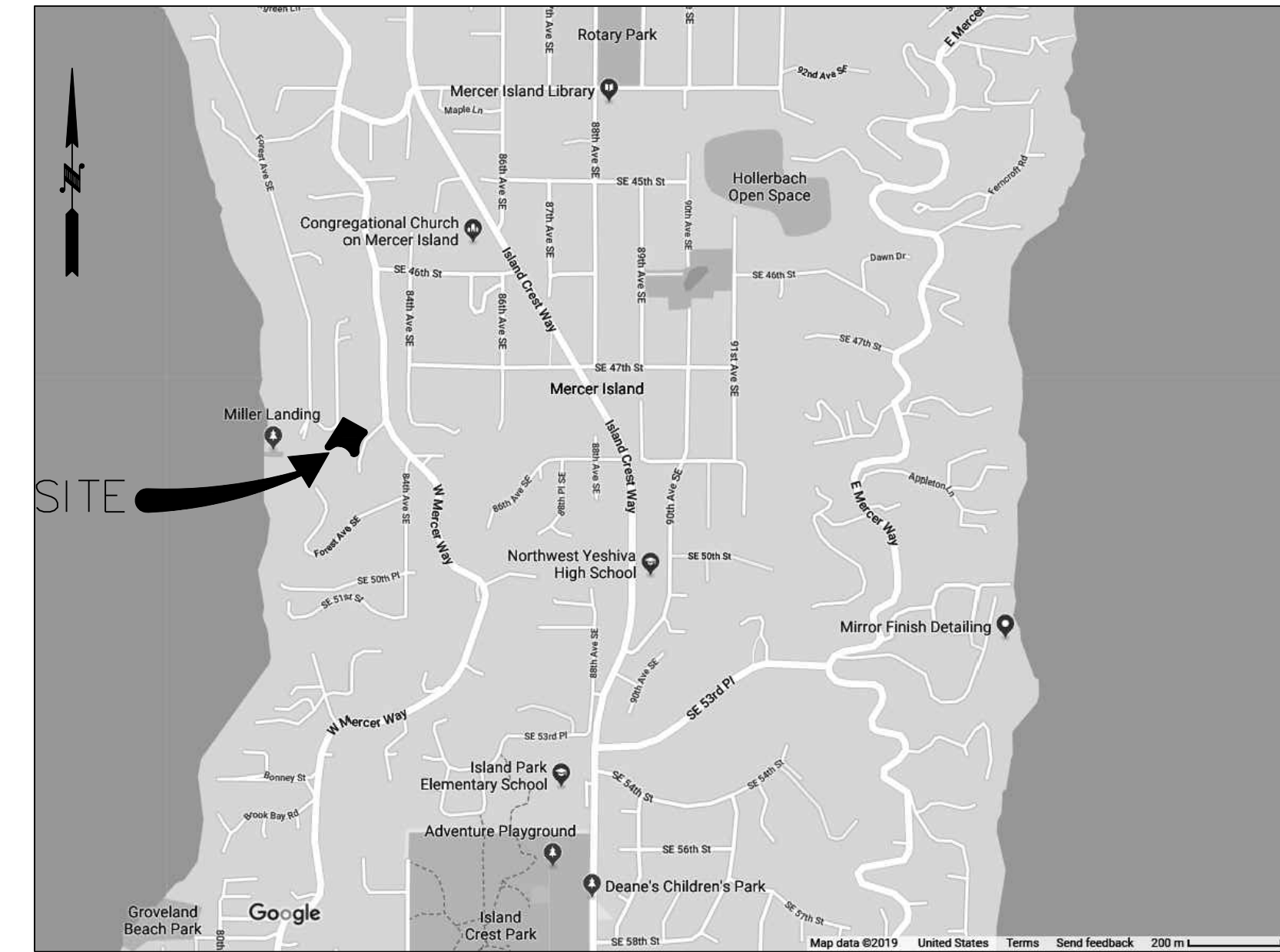


SECTION 13 TOWNSHIP 24 RANGE 4E WM



VICINITY MAP

SITE INFORMATION

LEGAL
LAKE ISLE REPLAT POR OF 41-42-43 LY SWLY OF LN BEG SW COR OF 41 TH NLY ALG WLY LN 52.31 FT & TPOB TH S 76-33-06 W TO NWLY MGN OF W MERCER BLVD

ADDRESS
8100 SE 48TH ST 98040 MERCER ISLAND WA

PARCEL
4045100085

DRAWING INDEX

- C - 0 COVER SHEET
- C - 1 TESC
- C - 2 TESC NOTES

OWNER

RONALD AND MAURA BERESKY
8100 SE 48th ST
MERCER ISLAND, WA 98040
606.609.4180
Rberesky9@comcast.net

GEOTECH AND WALL DESIGNER

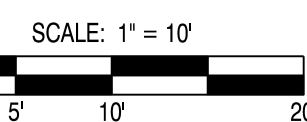
ASSOCIATED EARTH SCIENCES INCORPORATED
STEPHEN A. SIEBERT, P.E.
911 FIFTH AVENUE, KIRKLAND, WA 98033
425.627.7701

EROSION CONTROL ENGINEER

MICHAEL E. RYAN, PE
HARMSEN, LLC
840 SE 8TH AVE, SUITE 102
OAK HARBOR, WA 98277
PH: 360.675.5973
EM: michaelr@harmсенinc.com

CONSTRUCTION SEQUENCE:

1. ATTEND PRE-CONSTRUCTION MEETING WITH THE CITY AND THE PROJECT ENGINEER, IF REQUIRED BY THE CITY.
2. CALL 811 FOR UNDERGROUND LOCATES.
3. MARK LIMITS OF DISTURBANCE (CLEARING LIMITS) PER THIS PLAN WITH FLAGGING, SURVEY TAPE, SILT FENCING, ORANGE BANNER FENCING OR OTHER EASILY IDENTIFIABLE MARKINGS
4. INSTALL TEMPORARY EROSION CONTROL MEASURES PER PLAN AND DETAILS SHEET C3. CONTRACTOR MAY MODIFY LOCATIONS AS NECESSARY TO ALLOW WORKABLE SPACE AND TO MITIGATE EROSION AND SEDIMENT TRANSPORT.
5. INSTALL WALL DRAIN TIGHTLINE TO EXISTING STORM CATCH BASIN. INSTALL TIERED RETAINING WALLS.
6. EXPORT WASTE SOILS AS SOON AS PRACTICABLE.
7. REPLACE STOCKPILED TOPSOIL AND SEED, HYDROSEED, SOD OR LANDSCAPE.
8. GROUND-UP TREE OR VEGETATIVE MULCH MAY BE DISPERSED ON DISTURBED SOILS AS A SOIL STABILIZATION BMP.
9. CLEANING OF CONCRETE PRODUCT ALLOWED ONLY IN APPROVED BASINS AND MUST BE DISCHARGED IN AN OFFSITE FACILITY APPROVED FOR CONCRETE DISCHARGE.
10. REMOVE ALL EROSION CONTROL MEASURES AFTER SOIL HAS STABILIZED AND AFTER CITY ACCEPTANCE OF CONSTRUCTION.
11. NO PHASING IS PROPOSED FOR THE PROJECT.



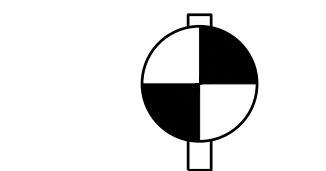
BASIS OF BEARING:

CENTER LINE OF FOREST AVE SE BEARS SOUTH 00°05'56\"/>

SITE BENCHMARKS:

TBM #1: ELEV: 101.28'
FOUND 3/4\"/>

TBM #2: ELEV: 171.94'
FOUND PK NAIL SET 1W OF EAST EDGE OF PAVEMENT OF 81ST ST SE & DRIVEWAY TO #8201 SE 48TH ST



VERTICAL DATUM
NAVD 88 GEOD 12A
ESTABLISHED BY GPS

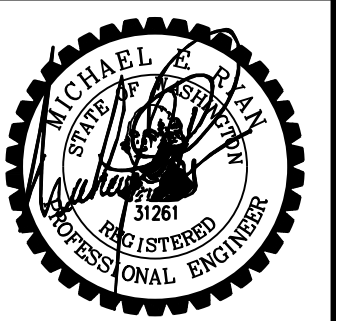
LINE MEASURES 1\"/>



REVISIONS

HARMSEN ENGINEERS SURVEYORS
360 975-5976
630 794-7811
FAX: 360 675-7255

HARMSEN
840 SE 8TH AVENUE, SUITE 102
OAK HARBOR, WA 98277



8/16/2019

**BERESKY RESIDENCE
ALLAN BLOCK WALL
8100 SE 48TH ST, MERCER ISLAND, WA**

COVER SHEET

DRAWN BY: JB
CHKD BY: MER
DATE: 8/16/2019

18-145



Know what's below.
Call before you dig.

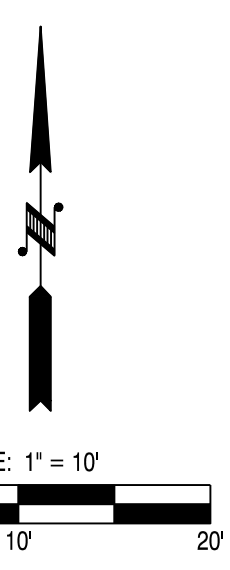
C-0

SECTION 13 TOWNSHIP 24 RANGE 4E WM



LEGEND

- EXISTING SURFACE SHEET FLOW DIRECTION
- BMP C101 PRESERVE NATURAL VEGETATION (LIMITS OF DISTURBANCE)
- BMP C233 FABRIC FILTER FENCE PER DETAIL 1-C2, OR BMP C235 WATTLES PER DETAIL 3-32
- BMP C220 TEMPORARY INLET PROTECTION, DETAIL 2-C2



BASIS OF BEARING:
 CENTER LINE OF FOREST AVE SE BEARS SOUTH 00°05'56" EAST PER REPLAT OF A PORTION OF LAKE ISLE VOL 26 OF PLATS, PAGE 13, KING COUNTY, WA

SITE BENCHMARKS:
 TBM #1: ELEV: 101.28'
 FOUND 3/4" IRON PIPE W/TACK IN CASE
 C/L FOREST AVE SE & 81ST AVE SE
 TBM #2: ELEV: 171.94'
 FOUND PK NAIL SET 1' W OF EAST EDGE OF PAVEMENT
 OF 81ST ST SE & DRIVEWAY TO #8201 SE 48TH ST

VERTICAL DATUM
 NAVD 88 GEOD 12A
 ESTABLISHED BY GPS

LINE MEASURES 1" AT FULL SIZE PLOT
 IF SHEET SIZE IS OTHER THAN 22"X34" ADJUST SCALE ACCORDINGLY



STABILIZATION NOTES

- TEMPORARY**
- 1 STABILIZE WALL AREA WITH CRUSHED SURFACING BASE COURSE/ROCK LEVELING PAD
 - 2 STABILIZE ALL OTHER AREAS WITH SEEDING & 2" MIN MULCH
 - 3 STABILIZE SOIL STOCKPILES WITH BMP C123 PLASTIC COVERING.
- PERMANENT**
- 1 WALL BLOCKS, CAP, AND NO-FINES CONCRETE (PERVIOUS CONCRETE).
 - 2 STABILIZE ALL OTHER AREAS WITH LAWN OR LANDSCAPING AND PER BMP T5.13 POST-CONSTRUCTION SOIL QUALITY & DEPTH.

TESC NOTES:

1. STOCKPILE VIABLE TOPSOIL FOR USE IN LANDSCAPE RESTORATION AFTER CONSTRUCTION IS COMPLETED.
2. FILTER FENCE OR STRAW WATTLES MAY BE USED IN THE GENERAL LOCATION SHOWN AS FILTER FENCE ON THESE PLANS. IF STRAW WATTLES PROVE INEFFECTIVE FOR THIS SITE, FILTER FENCING MUST BE USED.
3. GROUND TREE AND VEGETATION MULCH MAY BE DISPERSED ONSITE AS A MULCH AND SOIL STABILIZATION BMP.
4. CLEAN ACCUMULATED SILT AND DEBRIS ALONG THE SILT FENCES WHEN DEBRIS IS MORE THAN 1FT HIGH.
5. WEEKLY INSPECT, CLEAN AND REMOVE ALL SILT AND DEBRIS FROM THE INLET PROTECTIONS.
6. CLEAR AND REMOVE VEGETATION ONLY AS NECESSARY TO ACCOMMODATE CONSTRUCTION ACTIVITIES.
7. EXCAVATION IS EXPECTED TO BE BY HAND. PLYWOOD RUNWAYS FOR WHEELBARROWS AND PLYWOOD CHUTES ARE ANTICIPATED FOR BLOCK MOVEMENT. STAGING AND STOCKPILES ARE ANTICIPATED TO BE PLACED ON THE EXISTING DRIVEWAY.
8. THE EXISTING DRIVEWAY IS ALSO EXPECTED TO ACT AS THE CONSTRUCTION ENTRANCE AND CONTRACTOR PARKING.
9. STREETS SHALL BE SWEEPED AS NECESSARY TO BE KEPT CLEAN OF DEBRIS AND GRIT.
10. STOCKPILE LOCATIONS: FOLLOW GEOTECH RECOMMENDATIONS AS TO STOCKPILE LOCATIONS AND PROXIMITY TO CREST OF SLOPES.
11. TEMPORARY AND PERMANENT SLOPES: REFER TO GEOTECH PLANS FOR MAXIMUM ALLOWABLE SLOPE INCLINATIONS.
12. ONCE CONSTRUCTION IS COMPLETE, STABILIZE ANY, OR ALL EXPOSED SURFACES.

GENERAL EROSION CONTROL NOTES

1. CONTRACTOR SHALL OBTAIN AND MAINTAIN ONSITE THE FOLLOWING PORTIONS OF THE 2014 REVISION OF THE 2012 WASHINGTON STATE DEPARTMENT OF ECOLOGY (DOE) STORMWATER MANAGEMENT MANUAL FOR WESTERN WASHINGTON:
 - STANDARDS AND SPECIFICATIONS FOR BEST MANAGEMENT PRACTICES (BMP'S)
 - SOURCE CONTROL BMP'S
 - RUNOFF CONVEYANCE AND TREATMENT BMP'S
 BMP'S NOTED ON THIS PLAN REFERENCE THE DOE MANUAL.
2. ALL LIMITS OF CLEARING AND AREAS OF VEGETATION PRESERVATION AS PRESCRIBED ON THE PLAN WILL BE CLEARLY FLAGGED IN THE FIELD AND OBSERVED DURING CONSTRUCTION.
3. ALL REQUIRED SEDIMENTATION/EROSION CONTROL FACILITIES MUST BE CONSTRUCTED AND IN OPERATION PRIOR TO LAND CLEARING AND/OR OTHER CONSTRUCTION TO INSURE THAT SEDIMENT LADEN WATER DOES NOT ENTER THE NATURAL DRAINAGE SYSTEM. ALL EROSION AND SEDIMENT FACILITIES WILL BE MAINTAINED IN A SATISFACTORY CONDITION UNTIL FINAL SITE STABILIZATION IS ACHIEVED. THE IMPLEMENTATION, MAINTENANCE, REPLACEMENT AND ADDITIONS TO EROSION/SEDIMENTATION CONTROL SYSTEMS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
4. THE EROSION AND SEDIMENTATION CONTROL SYSTEMS DEPICTED ON THIS DRAWING ARE INTENDED TO BE MINIMUM REQUIREMENTS TO MEET ANTICIPATED SITE CONDITIONS. AS CONSTRUCTION PROGRESSES AND UNEXPECTED OR SEASONAL CONDITIONS DICTATE, THE CONTRACTOR WILL ANTICIPATE THAT MORE EROSION AND SEDIMENTATION CONTROL FACILITIES WILL BE NECESSARY TO INSURE COMPLETE SILTATION CONTROL ON THE PROPOSED SITE. DURING THE COURSE OF CONSTRUCTION, IT WILL BE THE OBLIGATION AND RESPONSIBILITY OF THE CONTRACTOR TO ADDRESS ANY NEW CONDITIONS THAT MAY BE CREATED BY HIS ACTIVITIES AND TO PROVIDE ADDITIONAL FACILITIES, OVER AND ABOVE MINIMUM REQUIREMENTS, AS MAY BE NEEDED TO PROTECT ADJACENT PROPERTIES AND WATER QUALITY OF THE RECEIVING DRAINAGE SYSTEM.
5. GRADING WITHIN THE BUILDING FOOTPRINTS AND IMMEDIATE VICINITIES SHALL CONSIDER BUILDING CODE SOIL QUALITY AND COMPACTION REQUIREMENTS. SOIL DENSITY TESTING WILL BE REQUIRED PRIOR TO ISSUANCE OF A BUILDING PERMIT FOR DISTURBED SOILS WITHIN THE BUILDING FOOTPRINT.
6. FROM OCTOBER 1 THROUGH APRIL 30, NO SOILS SHALL REMAIN EXPOSED AND UNWORKED FOR MORE THAN 2 DAYS. FOR MAY 1 TO SEPTEMBER 30, NO SOILS SHALL REMAIN EXPOSED AND UNWORKED FROM MORE THAN 7 DAYS. THE SOIL STABILIZATION REQUIREMENT APPLIES TO ALL SOILS ON SITE WHETHER AT FINAL GRADE OR NOT.
7. DURING WINTER MONTHS WHEN SITE REVEGETATION IS NOT POSSIBLE, ALL BARE AREAS IN WHICH SOIL IS NOT ACTIVELY BEING WORKED WILL BE COVERED AND MULCHED WITH CHIPPED SITE VEGETATION, STRAW, OR OTHER MATERIAL RECOMMENDED BY BMP C121.
8. BARE AREAS SHALL BE SEEDDED AS SOON AS POSSIBLE DURING THE GROWING SEASON WITH A TEMPORARY EROSION CONTROL SEED MIXTURE SPECIFIED AS FOLLOWS:

SPECIES	% WEIGHT	PURE LIVE SEED*
BROMUS CARINATUS	24%	86%
FESTUCA OCCIDENTALIS	23%	86%
REGREEN (STERILE WHEAT)	52%	93%
ACHILLEA MILLEFOLIUM	0.5%	64%
ANAPHALIS MARGARITACEA	0.5%	77%
OTHER SPECIES	< 1.0%	

NOTE* - % PURITY X % VITALITY

9. THE CONTRACTOR SHALL USE SURFACE ROUGHENING (BMP C130) WITH TRACKS TO REDUCE STEEP SLOPE RUNOFF VELOCITIES. THIS MEASURE WILL BE USED IN CONJUNCTION WITH CONTOUR FURROWS (BMP C130).
10. EXISTING ROADS ARE TO BE KEPT CLEAN DAILY. THE CONTRACTOR WILL BE RESPONSIBLE FOR PREVENTING WHEEL TRACKING OF SITE SOILS ONTO PUBLIC ROADS BY VEHICLES LEAVING THE SITE.
11. NO ONSITE WASHING OR DISCHARGE OF WASTEWATER FROM CONCRETE TRUCKS WILL BE ALLOWED. CONTRACTOR WILL BE RESPONSIBLE FOR OFFSITE WASHING IN AN APPROVED AND PERMITTED MANNER.
12. THIS PROJECT IS ADJACENT TO RESIDENTIAL AREAS. CONTRACTOR SHALL CONTROL DUST IN ACCORDANCE WITH BMP C140.

REVISIONS

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 840 SE 8TH AVENUE, SUITE 102
 OAK HARBOR, WA 98277



8/16/2019

BERESKY RESIDENCE
ALLAN BLOCK WALL
 8100 SE 48TH ST, MERCER ISLAND, WA
 TESC PLAN

DRAWN BY: JB
 CHKD BY: MER
 DATE: 8/16/2019

18-145



C-1

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SECTION 13 TOWNSHIP 24 RANGE 4E WM

BMP T5.13: POST-CONSTRUCTION SOIL QUALITY:

THIS BMP SHALL BE USED IN THE LANDSCAPED AREAS ON THE SITE AND ANY OTHER DISTURBED AREAS.

PURPOSE AND DEFINITION

NATURALLY OCCURRING (UNDISTURBED) SOIL AND VEGETATION PROVIDE IMPORTANT STORMWATER FUNCTIONS INCLUDING: WATER INFILTRATION; NUTRIENT, SEDIMENT, AND POLLUTANT ADSORPTION; SEDIMENT AND POLLUTANT BIOFILTRATION; WATER INTERFLOW STORAGE AND TRANSMISSION; AND POLLUTANT DECOMPOSITION. THESE FUNCTIONS ARE LARGELY LOST WHEN DEVELOPMENT STRIPS AWAY NATIVE SOIL AND VEGETATION AND REPLACES IT WITH MINIMAL TOPSOIL AND SOD. NOT ONLY ARE THESE IMPORTANT STORMWATER FUNCTIONS LOST, BUT SUCH LANDSCAPES THEMSELVES BECOME POLLUTION- GENERATING PERVIOUS SURFACES DUE TO INCREASED USE OF PESTICIDES, FERTILIZERS AND OTHER LANDSCAPING AND HOUSEHOLD/INDUSTRIAL CHEMICALS, THE CONCENTRATION OF PET WASTES, AND POLLUTANTS THAT ACCOMPANY ROADSIDE LITTER.

ESTABLISHING SOIL QUALITY AND DEPTH REGAINS GREATER STORMWATER FUNCTIONS IN THE POST DEVELOPMENT LANDSCAPE. PROVIDES INCREASED TREATMENT OF POLLUTANTS AND SEDIMENTS THAT RESULT FROM DEVELOPMENT AND HABITATION, AND MINIMIZES THE NEED FOR SOME LANDSCAPING CHEMICALS, THUS REDUCING POLLUTION THROUGH PREVENTION.

APPLICATIONS AND LIMITATIONS

ESTABLISHING A MINIMUM SOIL QUALITY AND DEPTH IS NOT THE SAME AS PRESERVATION OF NATURALLY OCCURRING SOIL AND VEGETATION. HOWEVER, ESTABLISHING A MINIMUM SOIL QUALITY AND DEPTH WILL PROVIDE IMPROVED ON-SITE MANAGEMENT OF STORMWATER FLOW AND WATER QUALITY.

SOIL ORGANIC MATTER CAN BE ATTAINED THROUGH NUMEROUS MATERIALS SUCH AS COMPOST, COMPOSTED WOODY MATERIAL, BIOSOLIDS, AND FOREST PRODUCT RESIDUALS. IT IS IMPORTANT THAT THE MATERIALS USED TO MEET THE SOIL QUALITY AND DEPTH BMP BE APPROPRIATE AND BENEFICIAL TO THE PLANT COVER TO BE ESTABLISHED. LIKEWISE, IT IS IMPORTANT THAT IMPORTED TOPSOILS IMPROVE SOIL CONDITIONS AND DO NOT HAVE AN EXCESSIVE PERCENT OF CLAY FINES.

DESIGN GUIDELINES

SOIL RETENTION

THE DUFF LAYER AND NATIVE TOPSOIL SHOULD BE RETAINED IN AN UNDISTURBED STATE TO THE MAXIMUM EXTENT PRACTICABLE. IN ANY AREAS REQUIRING GRADING REMOVE AND STOCKPILE THE DUFF LAYER AND TOPSOIL ON SITE IN A DESIGNATED CONTROL AREA, NOT ADJACENT TO PUBLIC RESOURCES AND CRITICAL AREAS, TO BE REAPPLIED TO OTHER PORTIONS OF THE SITE WHERE FEASIBLE.

SOIL QUALITY

ALL AREAS SUBJECT TO CLEARING AND GRADING THAT HAVE NOT BEEN COVERED BY IMPERVIOUS SURFACE, INCORPORATED INTO A DRAINAGE FACILITY OR ENGINEERED AS STRUCTURAL FILL OR SLOPE SHALL, AT PROJECT COMPLETION, DEMONSTRATE THE FOLLOWING:

1. A TOPSOIL LAYER WITH A MINIMUM ORGANIC MATTER CONTENT OF TEN PERCENT DRY WEIGHT IN PLANTING BEDS, AND 5% ORGANIC MATTER CONTENT (BASED ON A LOSS-ON-IGNITION TEST) IN TURF AREAS, AND A PH FROM 6.0 TO 8.0 OR MATCHING THE PH OF THE ORIGINAL UNDISTURBED SOIL. THE TOPSOIL LAYER SHALL HAVE A MINIMUM DEPTH OF EIGHT INCHES EXCEPT WHERE TREE ROOTS LIMIT THE DEPTH OF INCORPORATION OF AMENDMENTS NEEDED TO MEET THE CRITERIA. SUBSOILS BELOW THE TOPSOIL LAYER SHOULD BE SCARIFIED AT LEAST 4 INCHES WITH SOME INCORPORATION OF THE UPPER MATERIAL TO AVOID STRATIFIED LAYERS, WHERE FEASIBLE.
2. PLANTING BEDS MUST BE MULCHED WITH 2 INCHES OF ORGANIC MATERIAL
3. QUALITY OF COMPOST AND OTHER MATERIALS USED TO MEET THE ORGANIC CONTENT REQUIREMENTS:
 - A. THE ORGANIC CONTENT FOR "PRE-APPROVED" AMENDMENT RATES CAN BE MET ONLY USING COMPOST THAT MEETS THE DEFINITION OF "COMPOSTED MATERIALS" IN WAC 173-350-220. THIS CODE IS AVAILABLE ONLINE AT: [HTTP://WWW.ECY.WA.GOV/PROGRAMS/SWFA/FACILITIES/350.HTML](http://www.ecy.wa.gov/programs/swfa/facilities/350.html).

COMPOST USED IN BIORETENTION AREAS SHOULD BE STABLE, MATURE AND DERIVED FROM YARD DEBRIS, WOOD WASTE, OR OTHER ORGANIC MATERIALS THAT MEET THE INTENT OF THE ORGANIC SOIL AMENDMENT SPECIFICATION. BIOSOLIDS AND MANURE COMPOSTS CAN BE HIGHER IN BIO-AVAILABLE PHOSPHORUS THAN COMPOST DERIVED FROM YARD OR PLANT WASTE AND THEREFORE ARE NOT ALLOWED IN BIORETENTION AREAS DUE TO THE POSSIBILITY OF EXPORTING BIO-AVAILABLE PHOSPHORUS IN EFFLUENT.

THE COMPOST MUST ALSO HAVE AN ORGANIC MATTER CONTENT OF 35% TO 65%, AND A CARBON TO NITROGEN RATIO BELOW 25:1.

THE CARBON TO NITROGEN RATIO MAY BE AS HIGH AS 35:1 FOR PLANTINGS COMPOSED ENTIRELY OF PLANTS NATIVE TO THE PUGET SOUND LOWLANDS REGION.

B. CALCULATED AMENDMENT RATES MAY BE MET THROUGH USE OF COMPOSTED MATERIALS AS DEFINED ABOVE; OR OTHER ORGANIC MATERIALS AMENDED TO MEET THE CARBON TO NITROGEN RATIO REQUIREMENTS, AND MEETING THE CONTAMINANT STANDARDS OF GRADE A COMPOST.

THE RESULTING SOIL SHOULD BE CONDUCIVE TO THE TYPE OF VEGETATION TO BE ESTABLISHED.

IMPLEMENTATION OPTIONS:

THE SOIL QUALITY DESIGN GUIDELINES LISTED ABOVE CAN BE MET BY USING ONE OF THE METHODS LISTED BELOW.

1. LEAVE UNDISTURBED NATIVE VEGETATION AND SOIL, AND PROTECT FROM COMPACTION DURING CONSTRUCTION.
2. AMEND DISTURBED SOIL ACCORDING TO THE FOLLOWING PROCEDURES:
 - A. SCARIFY SUBSOIL TO A DEPTH OF ONE FOOT
 - B. IN PLANTING BEDS, PLACE THREE INCHES OF COMPOST AND TILL IN TO AN EIGHT-INCH DEPTH.
 - C. IN TURF AREAS, PLACE TWO INCHES OF COMPOST AND TILL IN TO AN EIGHT-INCH DEPTH.
 - D. APPLY TWO TO FOUR INCHES OF ARBORIST WOOD CHIP, COARSE BARK MULCH, OR COMPOST MULCH TO PLANTING BEDS AFTER FINAL PLANTING.

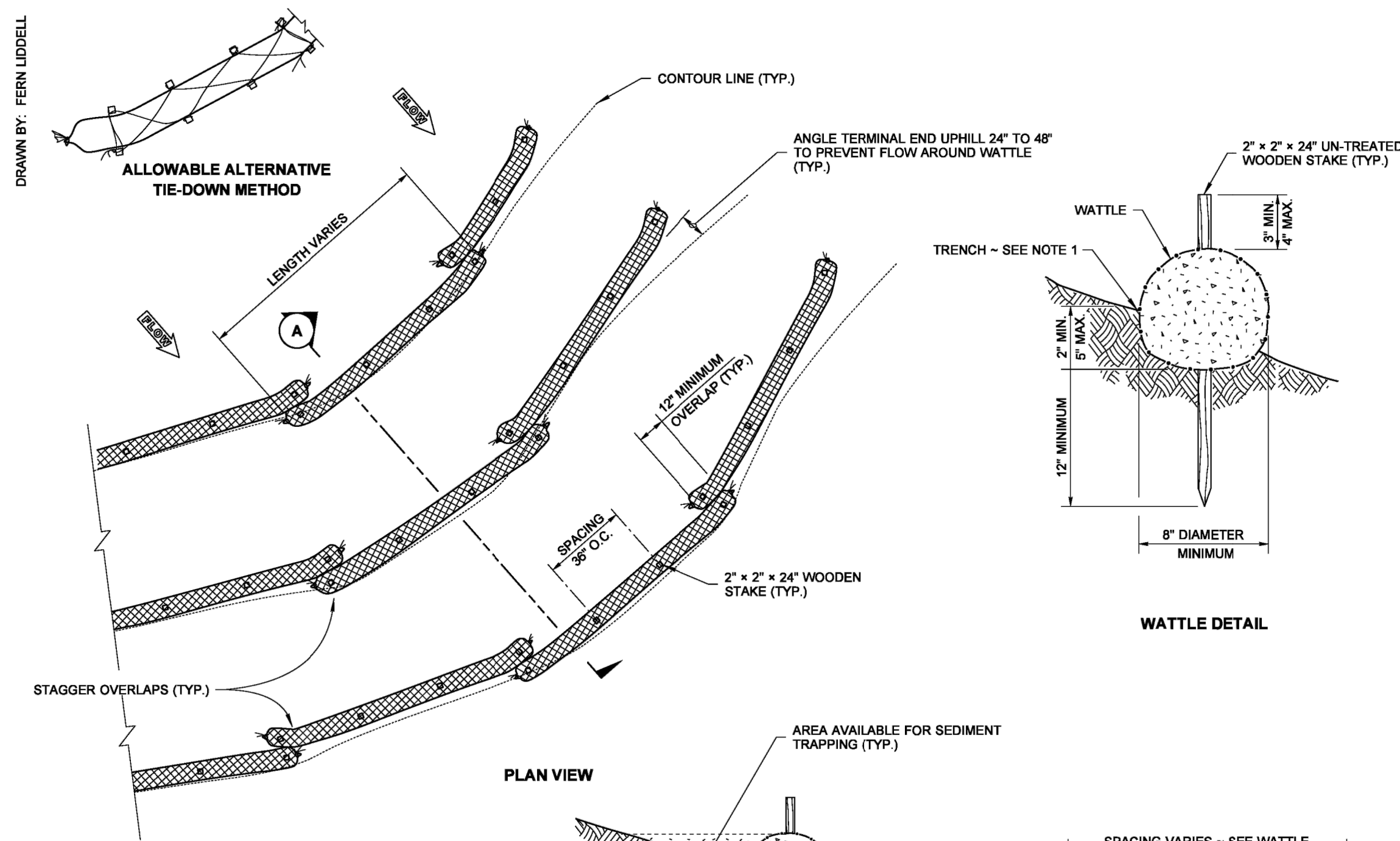
ALTERNATIVELY, DISTURBED SOIL CAN BE AMENDED ON A SITE-CUSTOMIZED MANNER SO THAT IT MEETS THE SOIL QUALITY CRITERIA SET FORTH ABOVE, AS DETERMINED BY A LICENSED AGENCY, GEOLOGIST, LANDSCAPE ARCHITECT, OR OTHER PERSON AS APPROVED BY THE PERMITTING AGENCY.

3. STOCKPILE EXISTING TOPSOIL DURING GRADING, AND REPLACE IT PRIOR TO PLANTING. STOCKPILED TOPSOIL MUST BE AMENDED IF NEEDED TO MEET THE ORGANIC MATTER AND DEPTH REQUIREMENTS BY FOLLOWING THE PROCEDURES IN METHOD (2) ABOVE.
4. IMPORT TOPSOIL MIX OF SUFFICIENT ORGANIC CONTENT AND DEPTH TO MEET THE ORGANIC MATTER AND DEPTH REQUIREMENTS.

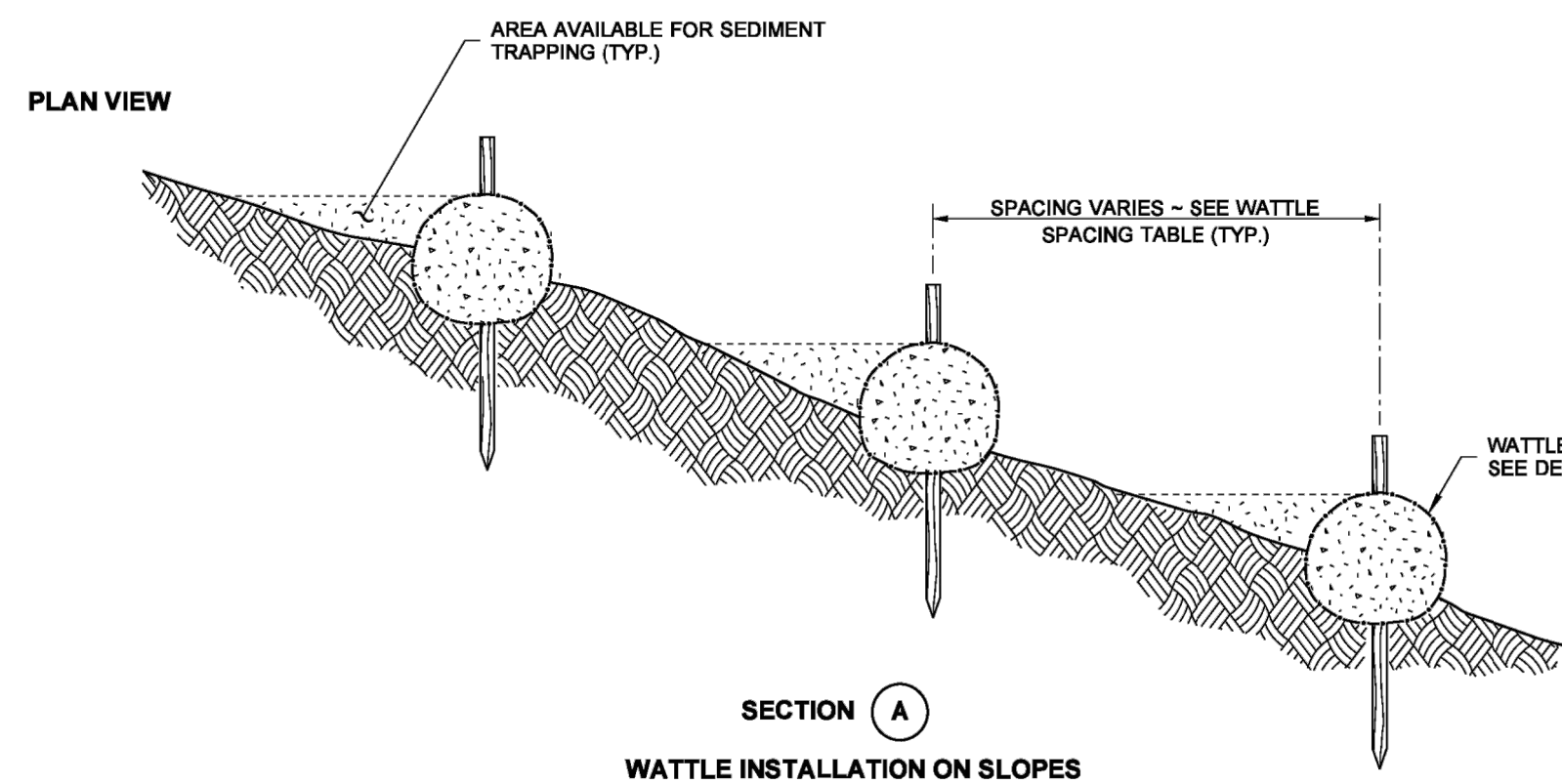
MORE THAN ONE METHOD MAY BE USED ON DIFFERENT PORTIONS OF THE SAME SITE. SOIL THAT ALREADY MEETS THE DEPTH AND ORGANIC MATTER QUALITY STANDARDS, AND IS NOT COMPACTED, DOES NOT NEED TO BE AMENDED.

MAINTENANCE

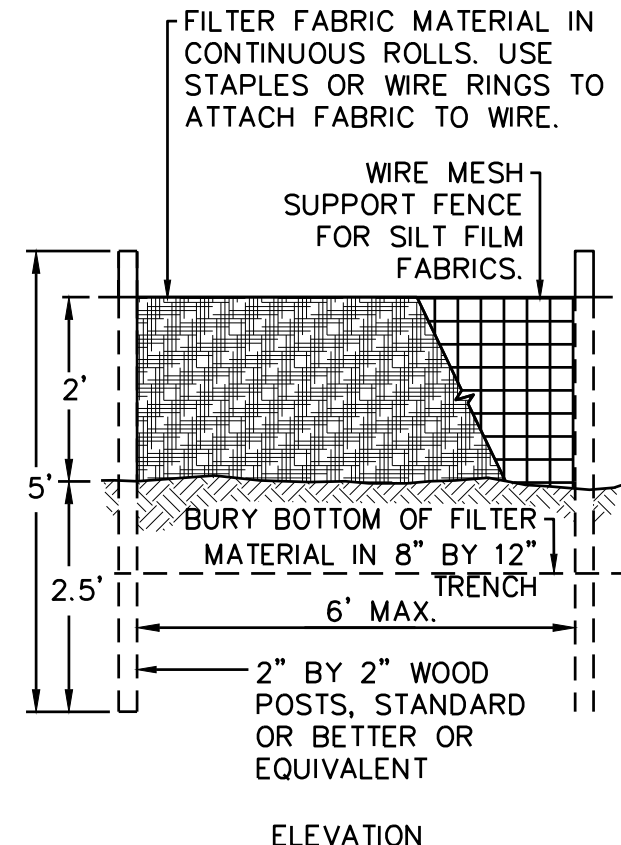
1. SOIL QUALITY AND DEPTH SHOULD BE ESTABLISHED TOWARD THE END OF CONSTRUCTION AND ONCE ESTABLISHED, SHOULD BE PROTECTED FROM COMPACTION, SUCH AS FROM LARGE MACHINERY USE, AND FROM EROSION.
2. SOIL SHOULD BE PLANTED AND MULCHED AFTER INSTALLATION.
3. PLANT DEBRIS OR ITS EQUIVALENT SHOULD BE LEFT ON THE SOIL SURFACE TO REPLENISH ORGANIC MATTER.



SLOPE	MAXIMUM SPACING
1H : 1V	10' - 0"
2H : 1V	20' - 0"
3H : 1V	30' - 0"
4H : 1V	40' - 0"

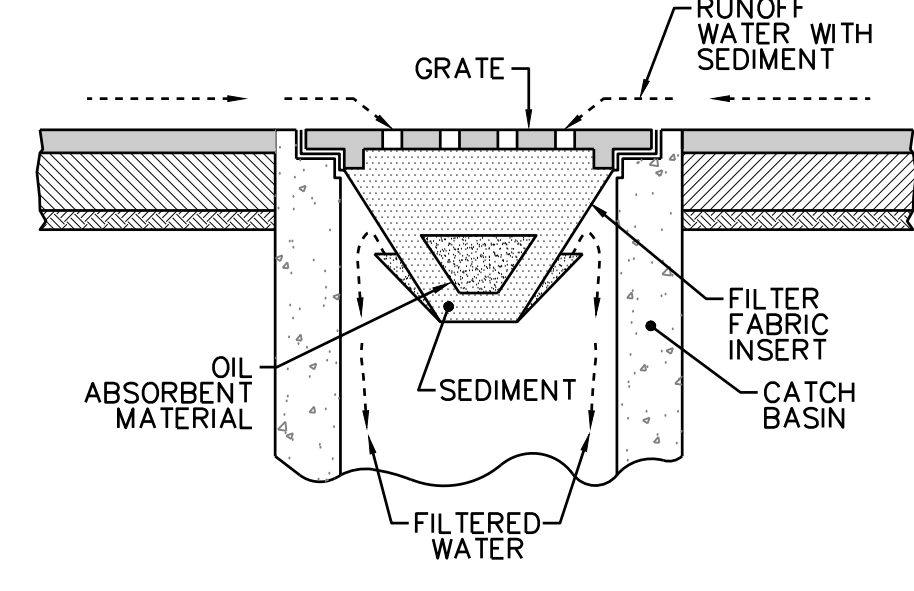
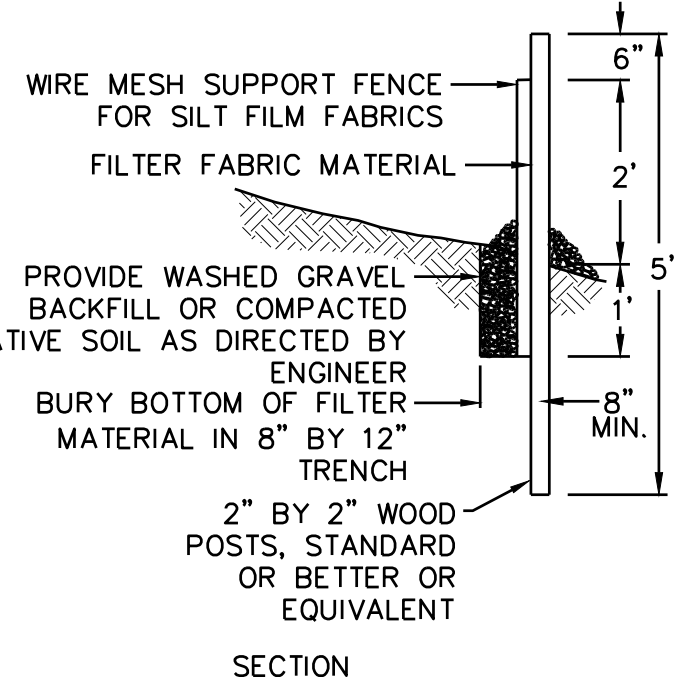


3 BMP C235 WATTLES DETAIL
SCALE:NONE



NOTE:
1. FOR COMBINED FILTER FABRIC AND CLEARING CONTROL FENCE ADD ORANGE NETTING TO THE OUTSIDE OF THE FILTER FABRIC. FOR CLEARING CONTROL FENCE INSTALL ORANGE NETTING ON POSTS AS SHOWN.

1 BMP C233 SILT FENCE/FILTER FENCE DETAIL
SCALE:NONE



"GULLYWASHER" "SILT SACK" OR OTHER APPROVED CATCH BASIN INSERT MAY BE USED FOR INLET PROTECTION.
CONTACT: PRICE-MOON ENTERPRISES
PH: 360.563.6709 OR "SILTSACK" BY ACF ENVIRONMENTAL AT
PH: 1.800.644.9223 (OR APPROVED EQUAL)

2 BMP C220 STORM DRAIN INLET PROTECTION DETAIL
SCALE:NONE

NOTES

1. Wattles shall be in accordance with **Standard Specification 9-14.5(5)**. Install Wattles along contours. Installation shall be in accordance with **Standard Specification 8-01.3(10)**.
2. Securely knot each end of Wattle. Overlap adjacent Wattle ends 12" behind one another and securely tie together.
3. Compact excavated soil and trenches to prevent undercutting. Additional staking may be necessary to prevent undercutting.
4. Install Wattle perpendicular to flow along contours.
5. Wattles shall be inspected regularly, and immediately after a rainfall produces runoff, to ensure they remain thoroughly entrenched and in contact with the soil.
6. Perform maintenance in accordance with **Standard Specification 8-01.3(15)**.
7. Refer to **Standard Specification 8-01.3(16)** for removal.

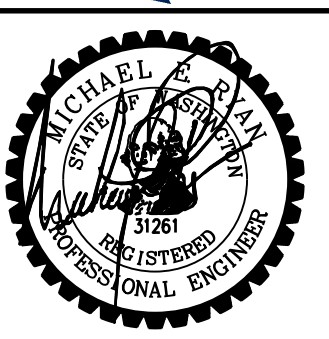
STATE OF WASHINGTON REGISTERED LANDSCAPE ARCHITECT
Sandra L. Salisbury
SANDRA L. SALISBURY
LICENSE NO. 860
DATE: June 10, 2013
NOTE: THIS PLAN MUST BE LEGAL ENGINEERING DOCUMENT BUT AN ELECTRONIC DUPLICATE. THE ORIGINAL, SIGNED BY THE ENGINEER AND APPROVED FOR PUBLICATION, IS KEPT ON FILE AT THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION. A COPY MAY BE OBTAINED UPON REQUEST.

WATTLE INSTALLATION ON SLOPE
STANDARD PLAN I-30.30-01
SHEET 1 OF 1 SHEET
APPROVED FOR PUBLICATION
Pasco Bakotich III 6/10/13
STATE DESIGN ENGINEER DATE
Washington State Department of Transportation

REVISIONS

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360 975-5976
630 794-7811
FAX: 360 675-7285

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OAK HARBOR, WA 98277



8/16/2019

BERESKY RESIDENCE
ALLAN BLOCK WALL
8100 SE 48TH ST, MERCER ISLAND, WA

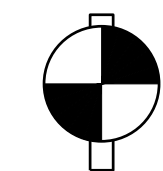
DRAWN BY: JB
CHKD BY: MER
DATE: 8/16/2019

18-145



C-2

SITE BENCHMARKS:
TBM #1: ELEV: 101.28'
FOUND 3/4" IRON PIPE W/TACK IN CASE
C/L FOREST AVE SE & 81ST AVE SE
TBM #2: ELEV: 171.94'
FOUND PK NAIL SET 1W OF EAST EDGE OF PAVEMENT
OF 81ST ST SE & DRIVEWAY TO #8201 SE 48TH ST



VERTICAL DATUM
NAVD 88 GEOID 12A
ESTABLISHED BY GPS

LINE MEASURES 1" AT FULL SIZE PLOT
IF SHEET SIZE IS OTHER THAN 22"X34" ADJUST SCALE ACCORDINGLY

