

ZONING:

PARCEL NUMBER(S):

R2/R6

092301-2-001-2004, 5656-000-057-0008

ENGINEER/SURVEYOR

MCCORMICK COMMUNITIES LLC 805 KIRKLAND AVE, SUITE 200 KIRKLAND, WA 98033 PHONE: (425) 894-6382

BIOLOGIST

SOUNDVIEW CONSULTANTS LLC RILEY GROUP 2907 HARBORVIEW DR, SUITE D GIG HARBOR, WA 98335 PHONE: (253) 514-8952

CONTOUR ENGINEERING LLC P.O. BOX 949 GIG HARBOR, WA 98335 PHONE: (253) 857-5454

GEOTECHNICAL

17522 BOTHELL WAY NORTHEAST BOTHELL, WA 98011 PHONE: (425) 415-0551

VERTICAL DATUM BASE: COUNTY CORS STATION "PRDY"

ELEVATION= 345.462' (NAVD 88)

BASIS OF BEARING

GRID NORTH, BASED UPON GLOBAL POSITIONING SYSTEM (GPS) LAMBERT GRID WASHINGTON STATE NORTH ZONE

COORDINATES. THE NORTH AMERICAN DATUM OF 1983/2011 (NAD 83/2011 EPOCH 2010.00) GRID COORDINATES WERE FOUND TO BE 192331.85 / 1185648.48 AT A PUNCH IN 3" BRASS DISK AT THE EAST QUARTER CORNER C

LEVEL CORRECTION FACTOR OF 0.9999871363 AND THE GRID SCALE FACTOR OF 0.9999977172 WAS APPLIED TO THE GRID COORDINATES FOR SHOWN GROUND DISTANCES.

LEGAL DESCRIPTION

RESULTANT PARCEL B OF BOUNDARY LINE ADJUSTMENT RECORDED UNDER AUDITOR'S FILE NO. 200512300304, RECORDS OF KITSAP COUNTY, WASHINGTON, DESCRIBED AS FOLLOWS: THOSE PORTIONS OF THE SOUTHWEST QUARTER OF SECTION 4, AND OF THE EAST HALF OF SECTION 8, AND OF ALL OF SECTION 9, AND OF THE NORTHWEST QUARTER OF SECTION 16, AND OF THE COUNTY, WASHINGTON, DESCRIBED AS FOLLOWS: TRACT B SECOND AMENDED PLAT OF MCCORMICK WOODS AS RECORDED IN VOLUME 26 OF PLATS, PAGES 189 THROUGH 196, INCLUSIVE RECORDS OF KITSAP COUNTY, WASHINGTON. TOGETHER WITH TRACT D OF SAID SECOND AMENDED PLAT OF MCCORMICK WOODS EXCEPT ANY PORTION THEREOF LYING NORTHERLY OF KITSAP COUNTY DEED RIGHT-OF-WAY DEED RECORDED UNDER AUDITOR'S FILE NUMBER 94072

SURVEY NOTES

- THE MONUMENT CONTROL SHOWN FOR THIS SITE WAS ACCOMPLISHED BY FIELD TRAVERSE UTILIZING A ONE (1) SECOND THEODOLITE WITH INTEGRAL ELECTRONIC DISTANCE MEASURING METER (GEODIMETER 600) AND REAL TIME KINEMATIC (RTK) / STATIC GLOBAL POSITIONING SYSTEM (GPS TRIMBLE R8). LINEAR AND ANGULAR CLOSURE OF THE TRAVERSES
- MEET THE STANDARDS OF WAC 332-130-090. 2. UTILITIES OTHER THAN THOSE SHOWN MAY EXIST ON THIS SITE. ONLY THOSE WHICH ARE
- VISIBLE OR HAVING VISIBLE EVIDENCE OF THEIR INSTALLATION ARE SHOWN HEREON. THIS SURVEY REPRESENTS PHYSICAL IMPROVEMENT CONDITIONS AS THEY EXISTED JULY 21, 2021, THE DATE OF THIS FIELD SURVEY.
- 4. THIS IS NOT A BOUNDARY SURVEY. 5. IT IS NOT THE INTENT OF THIS SURVEY TO SHOW EASEMENTS OR RESERVATIONS WHICH MAY
- AFFECT THIS SITE.
- 6. THE PURPOSE OF THIS SURVEY IS TO SUPPORT FUTURE POTENTIAL DEVELOPMENT. ELEVATION CONTOURS SHOWN HEREON ARE DERIVED FROM FIELD MEASUREMENTS AND MEET OR EXCEED THE MINIMUM ACCURACY CRITERIA OF THE NATIONAL MAPPING STANDARD, BEING ONE-HALF THE CONTOUR INTERVAL.

CONSTRUCTION SEQUENCE

- OBTAIN REQUIRED PERMITS.
- HOLD A PRE-CONSTRUCTION MEETING WITH THE CITY.
- FIELD LOCATE AND VERIFY ALL EXISTING SERVICES AND UTILITIES WITHIN PROJECT AREA. SEE VERIFICATION NOTE
- ESTABLISH CLEARING AND GRADING LIMITS.
- CONSTRUCT PERIMETER SILT FENCES AND OTHER EROSION CONTROL MEASURES AS NEEDED. SCHEDULE AN EROSION CONTROL INSPECTION WITH THE CITY.
- CONSTRUCT IMPROVEMENTS PER PLANS.
- STABILIZE ALL EXPOSED SOILS.
- ARRANGE FINAL INSPECTION WITH CITY.
- ON-SITE SILTATION FENCE TO REMAIN UNTIL THE SITE IS STABILIZED TO THE APPROVAL OF THE CITY INSPECTOR.
- 11. REMOVE TESC MEASURES WHEN ALLOWED BY CITY INSPECTOR.

TRENCH NOTES

IF WORKERS ENTER ANY TRENCH OR OTHER EXCAVATION FOUR OR MORE FEET IN DEPTH THAT DOES NOT MEET THE OPEN PIT REQUIREMENTS OF WSDOT SECTION 2-09.3(3)B, IT SHALL BE SHORED AND CRIBBED. THE CONTRACTOR IS ALONE RESPONSIBLE FOR WORKER SAFETY. ALL TRENCH SAFETY SYSTEMS SHALL MEET THE REQUIREMENTS OF THE WASHINGTON INDUSTRIAL SAFETY AND HEALTH ACT, CHAPTER 49.17 RCW.

UTILITY NOTES

EXISTING UTILITY INFORMATION DEPICTED ON THESE PLANS WAS OBTAINED FROM BEST AVAILABLE SOURCES AT THE TIME OF DESIGN. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE RELOCATION OF EXISTING UNDERGROUND CONFLICTING UTILITIES DEPICTED OR NOT DEPICTED ON THESE PLANS.

SHEET INDEX

C1 COVER SHEET & TESC PLAN C2 TESC NOTES & DETAILS C3 GRADING PLAN

VICINITY MAP

NOT TO SCALE

SW OLD CLIFTON RD

LEGEND

PROPOSED **EXISTING** CONTOURS PROPERTY LINE **ASPHALT** EASEMENT _____

TREE TO BE REMOVED TREE TO REMAIN

TESC LEGEND CLEARING/GRADING/DISTURBED LIMITS SILT FENCE $\left(\begin{array}{c} 1\\ C2 \end{array}\right)$

MULCHING PER BMP C121

PRESERVE AND PROTECT

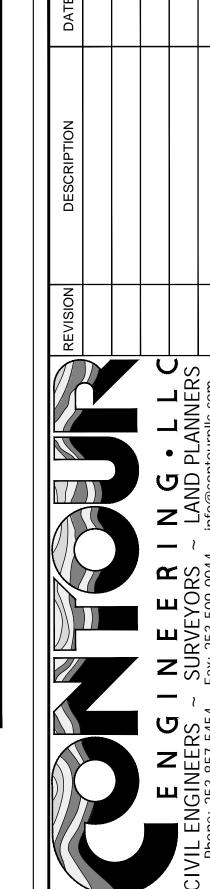
SEE MULCHING NOTE ON SHEET C2

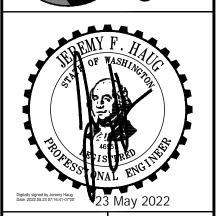
VERIFICATION NOTE

ALL EXISTING UTILITIES IN THE CONSTRUCTION AREA SHALL BE IDENTIFIED AND VERIFIED FOR DEPTH AND LOCATION PRIOR TO ANY CONSTRUCTION ACTIVITIES SO TO IDENTIFY ANY POTENTIAL CONFLICTS WITH PROPOSED CONSTRUCTION. CONTACT PROJECT ENGINEER IMMEDIATELY IF ANY CONFLICTS ARE IDENTIFIED.

PRIOR TO ANY CONSTRUCTION ACTIVITIES, VERIFY EXISTING TOPOGRAPHY IS CONSISTENT WITH WHAT IS SHOWN ON PLANS AND IF THERE ARE ANY POTENTIAL CONFLICTS WITH PROPOSED CONSTRUCTION ACTIVITIES. CONTACT PROJECT ENGINEER IMMEDIATELY IF ANY CONFLICTS ARE IDENTIFIED.

CALL 811 AT LEAST 48 HOURS BEFORE YOU DIG





SHEET

DESIGNER: M, GOULARTE ENGINEER: J. HAUG DRAWN: R. HENRETTA S09 T23 N R01E WM DATE: 05.23.2022 REVISED: PROJECT: 21-167

SHEET 1 **OF** 3

DWG NAME: 21-167-CIVIL

SOIL AMENDMENT NOTE

ALL DISTURBED SOILS MUST BE AMENDED USING ONE OF THE FOLLOWING OPTIONS

OPTION 1 - AMEND EXISTING SOILS IN PLACE

SCARIFY OR TILL EXISTING SUBGRADE TO 4 INCHES DEPTH (OR TO DEPTH NEEDED TO ACHIEVE A TOTAL DEPTH OF 12 INCHES OF UNCOMPACTED SOIL AFTER CALCULATED AMOUNT OF AMENDMENT IS ADDED, SEE SPECIFIC SUBSECTIONS BELOW). ENTIRE SURFACE SHOULD BE DISTURBED BY SCARIFICATION. DO NOT SCARIFY WITHIN DRIP LINE OF EXISTING TREES TO BE RETAINED.

WITHIN STORMWATER DRAINAGE SYSTEM LOCATIONS OR LANDSCAPED AREAS (10 PERCENT ORGANIC CONTENT) - PLACE AND ROTOTILL 3 INCHES OF COMPOSTED MATERIAL INTO 5 INCHES OF SOIL (A TOTAL DEPTH OF ABOUT 9.5 INCHES, FOR A SETTLED DEPTH OF 8 INCHES). AS NOTED PREVIOUSLY, SUBSOILS BELOW THIS LAYER SHOULD BE SCARIFIED AT LEAST 4 INCHES, FOR A FINISHED MINIMUM DEPTH OF 12 INCHES OF UNCOMPACTED SOIL. RAKE BEDS TO SMOOTH AND REMOVE ROCKS LARGER THAN 2 INCHES DIAMETER. MULCH AREAS WITH 2 INCHES OF ORGANIC MULCH.

WITHIN LAWN AREAS (5 PERCENT ORGANIC CONTENT) - PLACE AND ROTOTILL 1.75 INCHES OF COMPOSTED MATERIAL INTO 6.25 INCHES OF SOIL (A TOTAL AMENDED DEPTH OF ABOUT 9.5 INCHES, FOR A SETTLED DEPTH OF 8 INCHES). AS NOTED PREVIOUSLY, SUBSOILS BELOW THIS LAYER SHOULD BE SCARIFIED AT LEAST 4 INCHES, FOR A FINISHED MINIMUM DEPTH OF 12 INCHES OF UNCOMPACTED SOIL. WATER OR ROLL TO COMPACT SOIL TO 85 PERCENT OF MAXIMUM. RAKE TO LEVEL, AND REMOVE SURFACE WOODY DEBRIS AND ROCKS LARGER THAN 1 INCH IN DIAMETER.

OPTION 2 - STOCKPILE SITE TOPSOILS PRIOR TO GRADING FOR REAPPLICATION

IF PLACED TOPSOIL PLUS COMPOST OR OTHER ORGANIC MATERIAL WILL AMOUNT TO LESS THAN 12 INCHES: SCARIFY OR TILL SUBGRADE TO DEPTH NEEDED TO ACHIEVE 12 INCHES OF LOOSENED SOIL AFTER TOPSOIL AND AMENDMENT ARE PLACED. ENTIRE SURFACE SHOULD BE DISTURBED BY SCARIFICATION. DO NOT SCARIFY WITHIN DRIP LINE OF EXISTING TREES TO BE RETAINED.

STOCKPILE AND COVER SOIL WITH WEED BARRIER MATERIAL THAT SHEDS MOISTURE YET ALLOWS AIR TRANSMISSION, IN APPROVED LOCATION, PRIOR TO GRADING.

REPLACE STOCKPILED TOPSOIL PRIOR TO PLANTING.

WITHIN STORMWATER DRAINAGE SYSTEM LOCATIONS OR LANDSCAPED AREAS (10 PERCENT ORGANIC CONTENT) - PLACE AND ROTOTILL 3 INCHES OF COMPOSTED MATERIAL INTO 5 INCHES OF REPLACED SOIL (A TOTAL DEPTH OF ABOUT 9.5 INCHES, FOR A SETTLED DEPTH OF 8 INCHES). SUBSOILS BELOW THIS LAYER SHOULD BE SCARIFIED AT LEAST 4 INCHES, FOR A FINISHED MINIMUM DEPTH OF 12 INCHES OF UNCOMPACTED SOIL. RAKE BEDS TO SMOOTH AND REMOVE ROCKS LARGER THAN 2 INCHES IN DIAMETER. MULCH AREAS WITH 2 INCHES OF ORGANIC MULCH OR STOCKPILED DUFF.

WITHIN LAWN AREAS (5 PERCENT ORGANIC CONTENT) - PLACE AND ROTOTILL 1.75 INCHES OF COMPOSTED MATERIAL INTO 6.25 INCHES OF REPLACED SOIL (A TOTAL AMENDED DEPTH OF ABOUT 9.5 INCHES, FOR A SETTLED DEPTH OF 8 INCHES). SUBSOILS BELOW THIS LAYER SHOULD BE SCARIFIED AT LEAST 4 INCHES, FOR A FINISHED MINIMUM DEPTH OF 12 INCHES OF UNCOMPACTED SOIL. WATER OR ROLL TO COMPACT SOIL TO 85 PERCENT OF MAXIMUM. RAKE TO LEVEL, AND REMOVE SURFACE WOODY DEBRIS AND ROCKS LARGER THAN 1 INCH IN DIAMETER.

OPTION 3 - IMPORT TOPSOIL MEETING ORGANIC MATTER CONTENT STANDARDS SCARIFY OR TILL SUBGRADE IN TWO DIRECTIONS TO 6 INCHES DEPTH. ENTIRE SURFACE SHOULD BE DISTURBED BY SCARIFICATION. DO NOT SCARIFY WITHIN DRIP LINE OF EXISTING TREES TO BE RETAINED.

WITHIN STORMWATER DRAINAGE SYSTEM LOCATIONS OR LANDSCAPED AREAS (10 PERCENT ORGANIC CONTENT) - USE IMPORTED TOPSOIL MIX CONTAINING 10 PERCENT ORGANIC MATTER (TYPICALLY AROUND 40 PERCENT COMPOST). SOIL PORTION MUST BE SAND OR SANDY LOAM AS DEFINED BY THE USDA. PLACE 3 INCHES OF IMPORTED TOPSOIL MIX ON SURFACE AND TILL INTO 2 INCHES OF SOIL. PLACE 3 INCHES OF TOPSOIL MIX ON THE SURFACE. RAKE SMOOTH AND REMOVE SURFACE ROCKS OVER 2 INCHES DIAMETER. MULCH PLANTING BEDS WITH 2 INCHES OF ORGANIC MULCH.

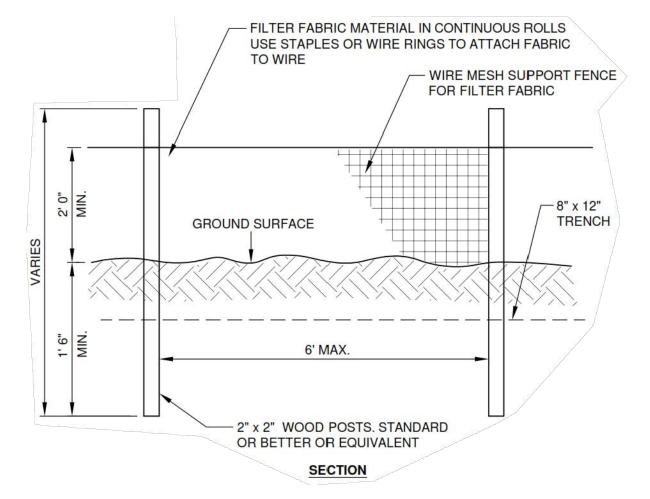
WITHIN LAWN AREAS (5 PERCENT ORGANIC CONTENT) - USE IMPORTED TOPSOIL MIX CONTAINING 5 PERCENT ORGANIC MATTER (TYPICALLY AROUND 25 PERCENT COMPOST). SOIL PORTION MUST BE SAND OR SANDY LOAM AS DEFINED BY THE USDA. PLACE 3 INCHES OF IMPORTED TOPSOIL MIX ON SURFACE AND TILL INTO 2 INCHES OF SOIL. WATER OR ROLL TO COMPACT SOIL TO 85 PERCENT MAXIMUM. RAKE TO LEVEL, AND REMOVE SURFACE ROCKS LARGER THAN 1 INCH IN DIAMETER.

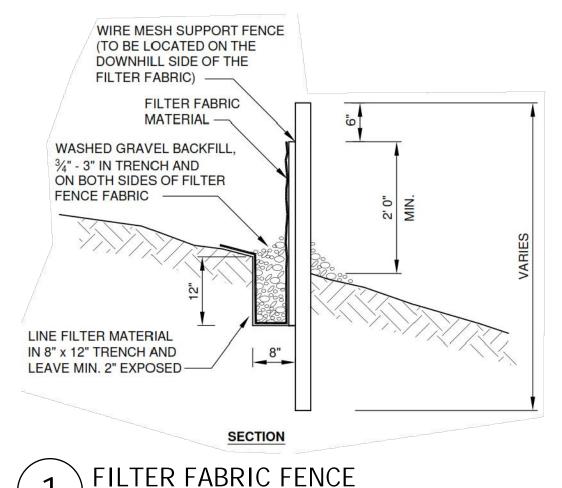
REQUIRED INSPECTIONS FOR TESC FACILITIES

AFTER EVERY RAINFALL OR ONCE A WEEK, THE TESC LEAD SHALL INSPECT ALL OF THE FOLLOWING AND KEEP A RECORD/LOG:

- 1. INSPECT ALL INSTALLED CATCH BASINS FOR ACCUMULATION OF SEDIMENT/DEBRIS.
- 2. FILTER FENCE SHALL BE INSPECTED FOR SEDIMENT ACCUMULATION AND TEARS IN FABRIC.
- 3. INLET PROTECTION ON CATCH BASINS SHOULD BE CLEANED/REPLACED IF FULL OF SEDIMENT.
- 4. INTERCEPTOR DITCHES SHALL BE INSPECTED FOR EROSION. IF EROSION IS OCCURRING CONTRACTOR SHALL INSTALL ROCK CHECK DAMS AS NEEDED TO PREVENT EROSION.
- 5. FILL/CUT SLOPES SHALL BE INSPECTED FOR EROSION.
- 6. TESC LEAD RESPONSIBLE FOR NOTIFYING ENGINEER IF ADDITIONAL MEASURES ARE WARRANTED.

MCCORMICK WOODS GOLF CLUB HOLE 10 FILL AND GRADE A PORTION OF SECTION 09, TOWNSHIP 22 N, RANGE 01E, W.M., PORT ORCHARD, WASHINGTON





SEEDING NOTES

NOT TO SCALE

SEED MIXTURE SHALL BE AS BELOW OR AS APPROVED BY THE CITY OF PORT ORCHARD AND SHALL BE APPLIED AT THE RATE RECOMMENDED

OKI	ORCHARD AND SHALL DE APP	LIED AT	1 111	C KAIC K	ECOMMENDE
BY TH	HE SUPPLIER				
	GERMINATION REDTOP	(AGROST	ΓIS	ALBA)	
	10%				
	ANNUAL RYE	(LOLIUM	ML	JLTIFLOR	UM)
	40%				
	CHEWING FESCUE	(FESTUC	<u>A</u>	<u>RUBRA</u>	COMMUTATA
	40%				
	WHITE DUTCH CLOVER	(TRIFOLI	IUN	I REPENS))

SEED BEDS PLANTED BETWEEN MAY 1 AND OCTOBER 31 WILL REQUIRE IRRIGATION AND OTHER MAINTENANCE AS NECESSARY TO FOSTER AND PROTECT THE ROOT STRUCTURE.

- 2. FOR SEED BEDS PLANTED BETWEEN OCTOBER 31 AND APRIL 30, ARMORING OF THE SEED BED WILL BE NECESSARY. (E.G., GEOTEXTILES, JUTE MAT, CLEAR PLASTIC COVERING).
- BEFORE SEEDING, INSTALL NEEDED SURFACE RUNOFF CONTROL MEASURES SUCH AS GRADIENT TERRACES, INTERCEPTOR DIKES, SWALES, LEVEL SPREADERS AND SEDIMENT BASINS.
- 4. THE SEEDBED SHALL BE FIRM WITH A FAIRLY FINE SURFACE, FOLLOWING SURFACE ROUGHENING. PERFORM ALL OPERATIONS ACROSS OR AT RIGHT ANGLES TO THE SLOPE.
- 5. FERTILIZERS ARE TO BE USED ACCORDING TO SUPPLIER'S RECOMMENDATIONS. AMOUNTS USED SHOULD BE MINIMIZED, ESPECIALLY ADJACENT TO WATER BODIES AND WETLANDS.

FILTER FABRIC FENCE NOTES

- 1. SUPPORT POST, WITH A MINIMUM 6-INCH OVERLAP, AND SECURELY FASTENED AT BOTH ENDS TO POSTS.
- 2. POSTS SHALL BE SPACED A MAXIMUM OF 6 FEET APART AND DRIVEN SECURELY INTO THE GROUND (MINIMUM OF 30 INCHES).
- 3. A TRENCH SHALL BE EXCAVATED APPROXIMATELY 8 INCHES WIDE AND 12 INCHES DEEP ALONG THE LINE OF POSTS AND UPSLOPE FROM THE BARRIER. THIS TRENCH SHALL BE BACKFILLED WITH WASHED GRAVEL.
- 4. WHEN STANDARD STRENGTH FILTER FABRIC IS USED, A WIRE MESH SUPPORT FENCE SHALL BE FASTENED SECURELY TO THE UPSLOPE SIDE OF THE POSTS USING HEAVY-DUTY WIRE STAPLES AT LEAST 1 INCH LONG, TIE WIRES OR HOG RINGS. THE WIRE SHALL EXTEND INTO THE TRENCH A MINIMUM OF 4 INCHES AND SHALL NOT EXTEND MORE THAN 24 INCHES ABOVE THE ORIGINAL GROUND SURFACE.
- 5. THE STANDARD STRENGTH FILTER FABRIC SHALL BE STAPLED OR WIRED TO THE FENCE, AND 20 INCHES OF THE FABRIC SHALL BE EXTENDED INTO THE TRENCH. THE FABRIC SHALL NOT EXTEND MORE THAN 24 INCHES ABOVE THE ORIGINAL GROUND SURFACE. FILTER FABRIC SHALL NOT BE STAPLED TO EXISTING TREES.
- 6. WHEN EXTRA-STRENGTH FILTER FABRIC AND CLOSER POST SPACING IS USED, THE WIRE MESH SUPPORT FENCE MAY BE ELIMINATED. IN SUCH A CASE, THE FILTER FABRIC IS STAPLED OR WIRED DIRECTLY TO THE POSTS WITH ALL OTHER PROVISIONS OF ABOVE NOTES APPLYING.
- 7. FILTER FABRIC FENCES SHALL NOT BE REMOVED BEFORE THE UPSLOPE AREA HAS BEEN PERMANENTLY STABILIZED.
- 8. FILTER FABRIC FENCES SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.
- 9. SILT FENCES WILL BE INSTALLED PARALLEL TO ANY SLOPE CONTOURS.
- 10. CONTRIBUTING LENGTH TO FENCE WILL NOT BE GREATER THAN 100 FEET.10. DO NOT INSTALL BELOW AN OUTLET PIPE OR WEIR.
- 11. INSTALL DOWNSLOPE OF EXPOSED AREAS.
- 12. DO NOT DRIVE OVER OR FILL OVER SILT FENCES.

PLASTIC COVERING NOTES

- 1. PLASTIC SHEETING SHALL HAVE A MINIMUM THICKNESS OF 6 MILS AND SHALL MEET THE REQUIREMENTS OF THE STATE STANDARD SPECIFICATIONS SECTION 9-14.5.
- 2. COVERING SHALL BE INSTALLED AND MAINTAINED TIGHTLY IN PLACE BY USING SANDBAGS OR TIRES ON ROPES WITH A MAXIMUM 10-FOOT GRID SPACING IN ALL DIRECTIONS. ALL SEAMS SHALL BE TAPED OR WEIGHTED DOWN FULL LENGTH AND
- THERE SHALL BE A LEAST A 12 INCH OVERLAP OF ALL SEAMS.

 3. CLEAR PLASTIC COVERING SHALL BE INSTALLED IMMEDIATELY ON AREAS SEEDED BETWEEN NOVEMBER 1 AND MARCH 31 AND REMAIN UNTIL VEGETATION IS FIRMLY ESTABLISHED.
- 4. WHEN THE COVERING IS USED ON UN-SEEDED SLOPES, IT SHALL BE KEPT IN PLACE UNTIL THE NEXT SEEDING PERIOD.
- 5. PLASTIC COVERING SHEETS SHALL BE BURIED TWO FEET AT THE TOP OF SLOPES IN ORDER TO PREVENT SURFACE WATER FLOW BENEATH SHEETS
- 6. PROPER MAINTENANCE INCLUDES REGULAR CHECKS FOR RIPS AND DISLODGED ENDS.

CONTRACTOR'S NOTES

SOIL AMENDMENTS ARE REQUIRED FOR ALL DISTURBED AREAS IN ACCORDANCE WITH BMP L613: POST-CONSTRUCTION SOIL QUALITY AND DEPTH OF THE 2012 SURFACE WATER MANAGEMENT MANUAL.

PERMANENT STABILIZATION NOTES

- 1. ALL EXPOSED SLOPES SHALL BE SEEDED AFTER CONSTRUCTION HAS BEEN COMPLETED. SILT FENCE, IF DEEMED APPROPRIATE, SHALL REMAIN FOR A MINIMUM OF 30 DAYS AFTER THE FINAL STABILIZATION OF THE SLOPES HAS OCCURRED.
- 2. ALL TEMPORARY EROSION CONTROL BMP'S SHALL BE REMOVED 30 DAYS AFTER FINAL STABILIZATION HAS OCCURRED.
- SEDIMENT SHALL BE REMOVED FROM ALL CATCH BASINS.

MULCHING NOTES

NOTES OBTAINED FROM THE 2019 STORMWATER MANAGEMENT MANUAL FOR WESTERN WASHINGTON.

- 1. PROVIDES IMMEDIATE TEMPORARY PROECTION FROM EROSION AND ENHANCES PLANT ESTABLISHMENT BY CONSERVING MOISTURE, HOLDING FERTILIZER. SEED. AND TOPSOIL IN PLACE, AND MODERATING SOIL TEMPERATURES.
- . AS A TEMPORARY COVER MEASURE, MULCH SHOULD BE USED:
- 2.1. FOR LESS THAN 30 DAYS ON DISTURBED AREAS THAT REQUIRE COVER.
 2.2. AT ALL TIMES FOR SEEDED AREAS, ESPECIALLY DURING THE WET SEASON AND DURING THE HOT SUMMER MONTHS.
- 2.3. DURING THE WET SEASON ON SLOPES STEEPER THAN 3H:1V WITH MORE THAN 10 FT OF VERTICAL RELIEF.
- 3. MULCH MAY BE APPLIED AT ANY TIME OF THE YEAR AND MUST BE REFRESHED PERIODICALLY.
- 4. FOR SEEDED AREAS, MULCH MAY BE MADE UP OF 100 PERCENT:
- 4.1. COTTONSEED MEAL
- 4.2. FIBERS MADE OF WOOD, RECYCLED CELLULOSE, HEMP, OR KENAF4.3. COMPOST
 - COMPOST
- 4.4. OR BLENDS OF THESE
- 5. TRACKIFIER SHALL BE PLANT-BASED SUCH AS GUAR OR ALPHA PLANTAGO, OR CHEMICAL-BASED SUCH AS POLY-ACRYLAMIDE OR POLYMERS.
- 6. GENERALLY, MULCHES COME IN 40-50 LB BAGS. SEED AND FERTILIZER ARE ADDED AT TIME OF APPLICATION.
- 7. RECYCLED CELLULOSE MAY CONTAIN POLYCHLORINATED BIPHENYL (PCBs). ECOLOGY RECOMMENDS THAT PRODUCTS SHOULD BE EVALUATED FOR PCBs PRIOR TO USE.
- 8. REFER TO BMP C126: POLYACRYLAMIDE (PAM) FOR SOIL EROSION PROTECTION FOR CONDITIONS OF USE. PAM SHALL NOT BE DIRECTLY APPLIED TO WATER OR ALLOWED TO ENTER A WATER BODY.
- 9. ANY MULCH OR TRACKIFIER PRODUCT USED SHALL BE INSTALLED PER THE MANUFACTURER'S INSTRUCTIONS.
- 10. FOR MULCH MATERIALS, APPLICATION RATES, AND SPECIFICATIONS, SEE TABLE II-3.6: MULCH STANDARDS AND GUIDELINES. CONSULT WITH THE LOCAL SUPPLIER OR THE LOCAL CONSERVATION DISTRICT FOR THEIR RECOMMENDATIONS. INCREASE THE APPLICATION RATE UNTIL THE GROUND IS 95% COVERED (IE NOT VISIBLE UNDER THE MULCH LAYER). NOTE: THICKNESS MAY BE INCREASED FOR DISTURBED AREAS IN OR NEAR SENSITIVE AREAS OR OTHER AREAS HIGHLY SUSCEPTIBLE TO EROSION.
- 11. WHERE THE OPTION OF "COMPOST" IS SELECTED, IT SHOULD BE A COARSE COMPOST THAT MEETS THE SIZE GRADATIONS LISTED IN TABLE II-3.5: SIZE GRADATIONS OF COMPOST AS MULCH MATERIALS WHEN TESTED IN ACCORDANCE WITH TEST METHOD 02.02-B FOUND IN TEST METHODS FOR THE EXAMINATION OF COMPOSTING AND COMPOST (THOMPSON, 2001).
- 12. MULCH USED WITHIN THE ORDINARY HIGH-WATER MARK OF SURFACE WATERS SHOULD BE SELECTED TO MINIMIZE POTENTIAL FLOTATION OF ORGANIC MATTER. COMPOSTED ORGANIC MATERIALS HAVE HIGHER SPECIFIC GRAVITIES (DENSITIES) THAN STRAW, WOOD, OR CHIPPED MATERIAL. CONSULT THE HYDRAULIC PERMIT AUTHORITY (HPA) FOR MULCH MIXES IF APPLICABLE.

TABLE II-3.5: SIZE GRADATIONS OF COMPOST AS MULCH MATERIAL

SIEVE SIZE	PERCENT PASSING	
3"	100%	
1"	90%-100%	
3/4"	70%-100%	
1/4"	40%-100%	

GRADING AND TESC NOTES

1. ON SITE INSPECTIONS ARE REQUIRED AT THE FOLLOWING CONSTRUCTION STAGES:

- INSPECTION NO. 1: INSTALLATION OF EROSION CONTROL FACILITIES PRIOR TO CLEARING
- INSPECTION NO. 2: COMPLETION OF CLEARING
- · INSPECTION NO. 3: UPON COMPLETION OF EXCAVATION,
- FILLING, AND EARTHWORK

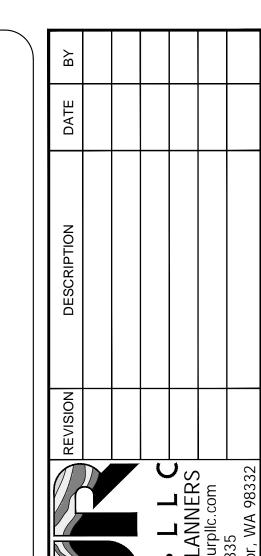
 INSPECTION NO. 4: COMPLETION OF PROJECT
- · INSPECTION NO. 5: AS NEEDED TO DETERMINE COMPLIANCE WITH APPROVED PLANS AND/OR SPECIFICATIONS
- 2. ALL LIMITS OF CLEARING AND AREAS OF VEGETATION PRESERVATION AS PRESCRIBED ON THE PLANS SHALL BE CLEARLY FLAGGED IN THE FIELD AND OBSERVED DURING CONSTRUCTION.
- 3. ALL TEMPORARY SEDIMENTATION AND EROSION CONTROL MEASURES, AND PROTECTIVE MEASURES FOR CRITICAL AREAS AND SIGNIFICANT TREES SHALL BE INSTALLED PRIOR TO INITIATING ANY CONSTRUCTION ACTIVITIES.
- 4. ALL REQUIRED SEDIMENTATION AND EROSION CONTROL FACILITIES MUST BE CONSTRUCTED AND IN OPERATION PRIOR TO ANY LAND CLEARING AND/OR OTHER CONSTRUCTION TO ENSURE THAT SEDIMENT LADEN WATER DOES NOT ENTER ANY EXISTING DRAINAGE SYSTEM. THE CONTRACTOR SHALL SCHEDULE AN INSPECTION OF THE EROSION CONTROL FACILITIES PRIOR TO ANY LAND CLEARING AND/OR OTHER CONSTRUCTION. ALL EROSION AND SEDIMENT FACILITIES SHALL BE MAINTAINED IN A SATISFACTORY CONDITION AS DETERMINED BY THE CITY, UNTIL SUCH TIME THAT CLEARING AND/OR CONSTRUCTION IS COMPLETED AND THE POTENTIAL FOR ON-SITE EROSION HAS PASSED. THE IMPLEMENTATION, MAINTENANCE, REPLACEMENT, AND ADDITIONS TO THE EROSION AND SEDIMENTATION CONTROL SYSTEMS SHALL BE THE RESPONSIBILITY OF THE PERMITTEE.
- THE EROSION AND SEDIMENTATION CONTROL SYSTEM FACILITIES DEPICTED ON THESE PLANS ARE INTENDED TO BE MINIMUM REQUIREMENTS TO MEET ANTICIPATED SITE CONDITIONS. AS CONSTRUCTION PROGRESSES AND UNEXPECTED OR SEASONAL CONDITIONS DICTATE, FACILITIES WILL BE NECESSARY TO ENSURE COMPLETE SILTATION CONTROL ON THE SITE. DURING THE COURSE OF CONSTRUCTION, IT SHALL BE THE OBLIGATION AND RESPONSIBILITY OF THE PERMITTEE TO ADDRESS ANY NEW CONDITIONS THAT MAY BE CREATED BY HIS ACTIVITIES AND TO PROVIDE ADDITIONAL FACILITIES, OVER AND ABOVE THE MINIMUM REQUIREMENTS, AS MAY BE NEEDED TO PROTECT ADJACENT PROPERTIES, SENSITIVE AREAS, NATURAL WATER COURSES, AND/OR STORM DRAINAGE SYSTEMS.
- 6. ANY DISTURBED AREA WHICH HAS BEEN STRIPPED OF VEGETATION AND WHERE NO FURTHER WORK IS ANTICIPATED FOR A PERIOD OF 7 DAYS OR MORE DURING THE DRY SEASON (MAY 1 SEPT 30) OR 2 DAYS OR MORE IN THE WET SEASON (OCT 1 APR 30), SHALL BE IMMEDIATELY STABILIZED WITH MULCHING, GRASS PLANTING, OR OTHER APPROVED EROSION CONTROL TREATMENT APPLICABLE TO THE TIME OF YEAR IN QUESTION. GRASS SEEDING ALONE WILL BE ACCEPTABLE ONLY DURING THE MONTHS OF MAY THROUGH SEPTEMBER INCLUSIVE. SEEDING MAY PROCEED OUTSIDE THE SPECIFIED TIME PERIOD WHENEVER IT IS IN THE INTEREST OF THE PERMITTEE BUT SHALL BE AUGMENTED WITH MULCHING, NETTING, OR OTHER TREATMENT APPROVED BY THE CITY.
- 7. IN CASE EROSION OR SEDIMENTATION OCCURS TO ADJACENT PROPERTIES, ALL CONSTRUCTION WORK WITHIN THE DEVELOPMENT THAT WILL FURTHER AGGRAVATE THE SITUATION MUST CEASE, AND THE OWNER/CONTRACTOR SHALL IMMEDIATELY COMMENCE RESTORATION METHODS. RESTORATION ACTIVITY WILL CONTINUE UNTIL SUCH TIME AS THE AFFECTED PROPERTY OWNER IS SATISFIED.
- 8. NO TEMPORARY OR PERMANENT STOCKPILING OF MATERIALS OR EQUIPMENT SHALL OCCUR WITHIN CRITICAL AREAS OR ASSOCIATED BUFFERS, OR THE CRITICAL ROOT ZONE FOR VEGETATION PROPOSED FOR RETENTION.

VERIFICATION NOTE

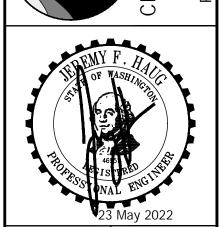
ALL EXISTING UTILITIES IN THE CONSTRUCTION AREA SHALL BE IDENTIFIED AND VERIFIED FOR DEPTH AND LOCATION <u>PRIOR TO ANY CONSTRUCTION ACTIVITIES</u> SO TO IDENTIFY ANY POTENTIAL CONFLICTS WITH PROPOSED CONSTRUCTION. CONTACT PROJECT ENGINEER IMMEDIATELY IF ANY CONFLICTS ARE IDENTIFIED.

PRIOR TO ANY CONSTRUCTION ACTIVITIES, VERIFY EXISTING
TOPOGRAPHY IS CONSISTENT WITH WHAT IS SHOWN ON PLANS AND IF
THERE ARE ANY POTENTIAL CONFLICTS WITH PROPOSED CONSTRUCTION
ACTIVITIES. CONTACT PROJECT ENGINEER IMMEDIATELY IF ANY
CONFLICTS ARE IDENTIFIED.

CALL 811 AT LEAST 48 HOURS BEFORE YOU DIG







TESC NOTES & DETAILS

DRMICK COMMUNITIES LLC

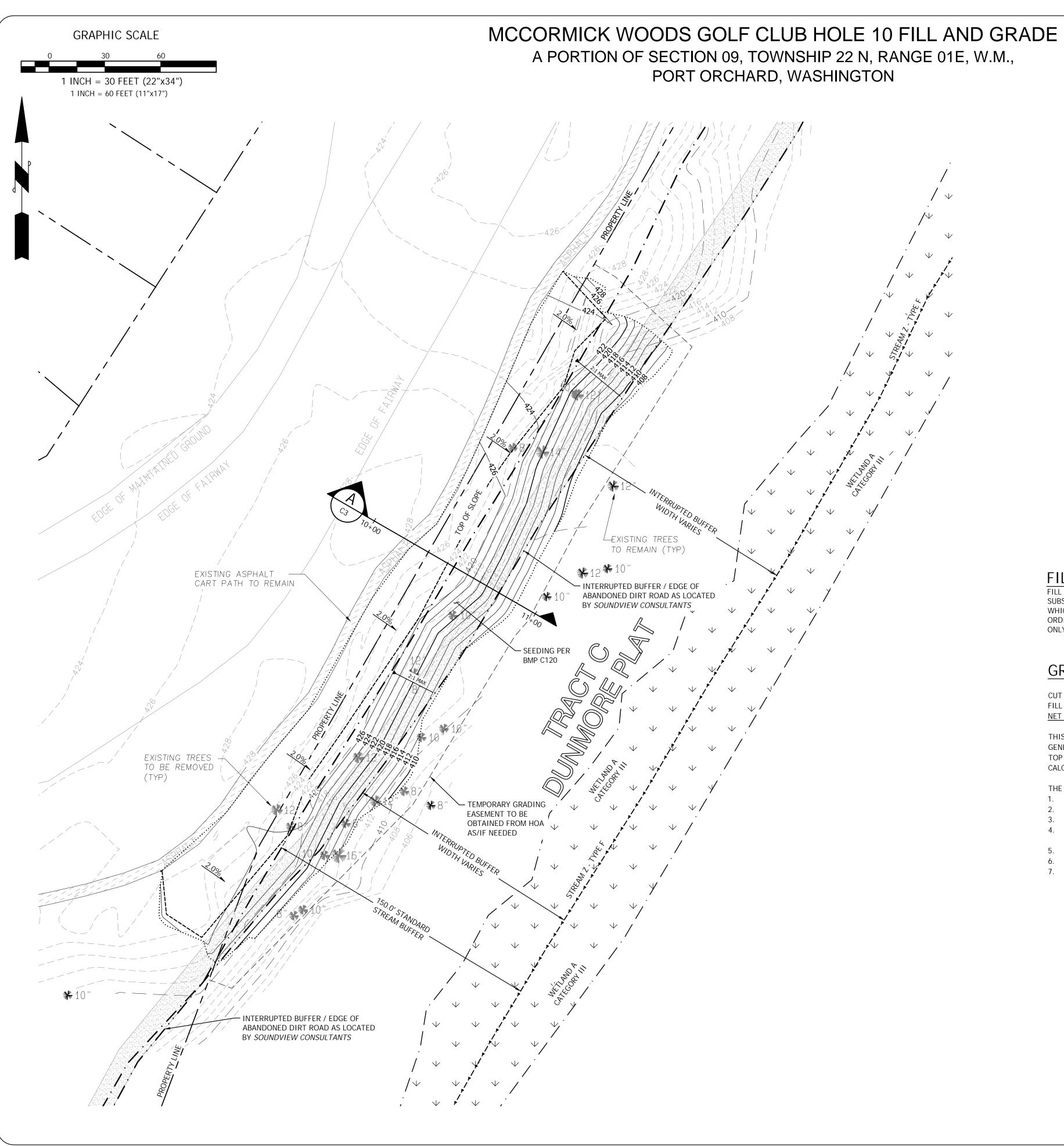
SIRKLAND AVE, SUITE 200

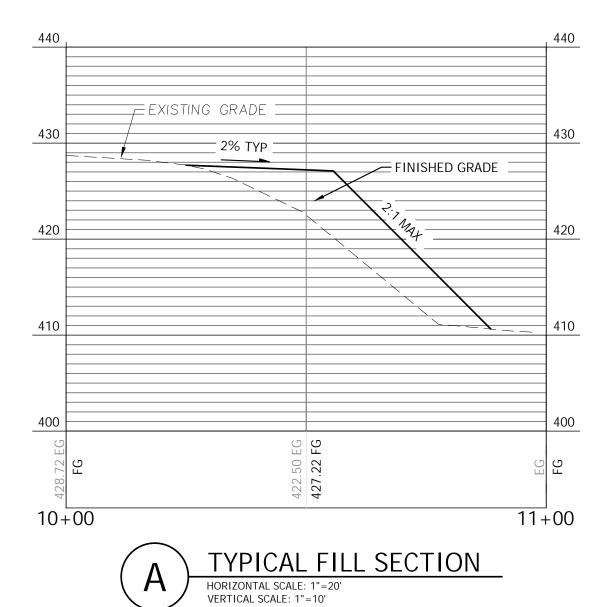
AND, WA 98033

CLIENT: MCCORMI 805 KIRKI KIRKLANE

DESIGNER: M, GOULARTE
ENGINEER: J. HAUG
DRAWN: R. HENRETTA
S 09 T 23 N R 01E WM
DATE: 05.23.2022
REVISED:

PROJECT: 21-167
DWG NAME: 21-167-CIVIL
SHEET REV.





FILL SPECIFICATION

FILL MATERIAL SHALL NOT CONTAIN PETROLEUM PRODUCTS, OR SUBSTANCES WHICH ARE HAZARDOUS, DANGEROUS, TOXIC, OR WHICH OTHERWISE VIOLATE ANY STATE, FEDERAL, OR LOCAL LAW ORDINANCE, CODE, REGULATION, RULE, ORDER, OR STANDARD. ONLY EARTH MATERIAL SHALL BE PLACED IN FILLS.

GRADING QUANTITIES

CUT = 350 CU YD± FILL = 1,300 CU YD± NET = 950 CU YD± FILL

THIS CALCULATION IS FOR REVIEW AND PERMITTING PURPOSES ONLY. THE NUMBERS SHOWN ARE GENERATED FROM THE FINISHED GROUND SURFACE (I.E. TOP OF PAVEMENT, TOP OF CONCRETE, TOP OF PAD, ETC.) TO THE EXISTING GROUND SURFACE. CONTRACTOR SHALL DO THEIR OWN CALCULATION BASED ON THE INFORMATION PROVIDED WITHIN THESE PLANS.

THE QUANTITIES MAY VARY BASED ON THE FOLLOWING FACTORS:

- 1. SHRINK/SWELL OF EXISTING SOILS
- 2. VARIANCE OF VEGETATION THICKNESS AND UNSUITABLE TOPSOIL
- 3. SUBBASE REQUIREMENTS FOR THE ROAD SECTIONS4. SUBBASE REQUIREMENTS FOR THE BUILDING FOUNDATION BASED ON THE FINAL
- 4. SUBBASE REQUIREMENTS FOR THE BUILDING FOUNDATION BASED ON THE FINA STRUCTURAL DESIGN
- 5. TRENCHING EXCAVATION FOR PROPOSED UTILITIES
- 6. ADDITIONAL CUT/FILL MAY BE REQUIRED FOR FUTURE UTILIZATION OF THE SITE
- 7. SOME AREAS OF THE SITE HAVE ALREADY BEEN STRIPPED FROM PERVIOUS PHASES OF DEVELOPMENT, THESE AREAS ARE ACCOUNTED FOR INTHE GRADING QUANTITIES NOTED ABOVE, BUT HAVE NOT BEEN VERIFIED BY A LICENSED SURVEYOR.

VERIFICATION NOTE

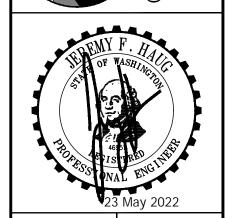
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PRIOR TO ANY CONSTRUCTION ACTIVITIES, VERIFY EXISTING TOPOGRAPHY IS CONSISTENT WITH WHAT IS SHOWN ON PLANS AND IF THERE ARE ANY POTENTIAL CONFLICTS WITH PROPOSED CONSTRUCTION ACTIVITIES. CONTACT PROJECT ENGINEER IMMEDIATELY IF ANY CONFLICTS ARE IDENTIFIED.

CALL 811 AT LEAST 48 HOURS BEFORE YOU DIG

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o@contourplic.com				
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DESIGNER: M, GOULARTE
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3 OF 3