

### RAVENSDALE RECLAMATION TRENCH FILLING AND RESTORATION PROJECT

PORTIONS OF SECTION 1, TOWNSHIP 21 NORTH, RANGE 6 EAST,

SECTION 36, TOWNSHIP 22 NORTH, RANGE 6 EAST, AND SECTION 31, TOWNSHIP 22 NORTH, RANGE 7 EAST, W.M. KING COUNTY, WASHINGTON

#### **GENERAL NOTES:**

- ALL DESIGN AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH PERMIT CONDITIONS, THE KING COUNTY CODE (KCC), ROAD STANDARDS (KCRS), WASHINGTON STATE DOT (WSDOT) STANDARD SPECIFICATIONS AND THE CONDITIONS OF PRELIMINARY APPROVAL IT SHALL BE THE SOLE RESPONSIBILITY OF THE APPLICANT AND THE PROFESSIONAL CIVIL REGISEER TO CORRECT ANY ERROR, OHISSION, OR VARIATION FROM THE ABOVE REQUIREMENTS FOUND IN THESE PLANS. ALL CORRECTIONS SHALL BE AT NO
- (2) THE DESIGN ELEMENTS WITHIN THESE PLANS HAVE BEEN REVIEWED ACCORDING TO THE KING COUNTY DEPARTMENT OF DEVELOPMENT AND ENVIRONMENTAL SERVICES (DOES) ENGINEERING REVIEW CHECKLIST. SOME ELEMENTS MAY HAVE REEM OFFICIONED OR HISSED BY THE DOES HAN REVIEWER. ANY VARIANCE FROM ADD/FED STANDARDS IS NOT ALLOWED UNLESS SPECIFICALLY APPROVED BY KING COUNTY PRIOR
- APPROVAL OF THIS ROAD, GRADING, PARKING AND DRAINAGE PLAN DOES NOT CONSTITUTE AN APPROVAL OF ANY OTHER CONSTRUCTION (E.G. DOMESTIC WATER CONVEYANCE, SEWER CONVEYANCE, GAS, ELECTRICAL, ETC.)
- (4) BEFORE ANY CONSTRUCTION OR DEVELOPMENT ACTIVITY, A PRECONSTRUCTION MEETING MUST BE HELD BETWEEN THE DOES'S LAND USE INSPECTION SECTION, THE APPLICANT, AND THE APPLICANT'S CONSTRUCTION REPRESENTATIVE.
- (5) A COPY OF THESE APPROVED PLANS MUST BE ON THE JOB SITE WHENEVER CONSTRUCTION IS IN
- (6) GRADING ACTIVITIES (SITE ALTERATION) ARE LIMITED TO THE HOURS OF 7 A.M. TO 7 P.M. MONDAY THROUGH SATURDAY AND 10 A.M. TO 5 P.M. ON SURIDAY, URLESS OTHERWISE APPROVED WITH A WRITTEN DECISION BY THE REVIEWING AGENCY.
- (7) IT SHALL BE THE APPLICANT'S CONTRACTOR'S RESPONSIBILITY TO OBTAIN ALL CONSTRUCTION EASEMENTS NECESSARY BEFORE INITIATING OFF-SITE WORK, EASEMENTS REQUIRE REVIEW AND APPROVAL PRIOR TO
- (8) FRANCHISED UTILITIES OR OTHER INSTALLATIONS THAT ARE NOT SHOWN ON THESE APPROVED PLANS SHALL NOT BE CONSTRUCTED UNIESS AN APPROVED SET OF PLANS THAT MEET ALL REQUIREMENTS OF IXES CHAPTER A RE-SUBMITTED TO THE DIDESS LAND USE INSPECTION SECTION THERE DAYS PRIOR TO
- (9) DATUM SHALL BE KCAS UNLESS OTHERWISE APPROVED BY DDES.
- (10) DEWATERING SYSTEM (UNDERDRAIN) CONSTRUCTION SHALL BE WITHIN A RIGHT-OF-WAY OR APPROPRIATE DRAINAGE EASEMENT, BUT NOT UNDERNASHT HE ROADWAY SECTION. ALL UNDERDRAIN SYSTEMS MUST BE CONSTRUCTED IN ACCORDANCE WITH WSDOT STANDARD SPECIFICATIONS.
- (11) ALL UTILITY TRENCHES AND ROADWAY SUBGRADE SHALL BE BACKFILLED AND COMPACTED TO 95 PERCENT
- (12) OPEN CUTTING OF EXISTING ROADWAYS FOR NON-FRANCHISED UTILITY OR STORM WORK IS NOT ALLOWED UNLESS SPECIFICALLY APPROVED BY DOES AND NOTED ON THESE APPROVED PLANS, ANY OPEN CUT SHALL BE RESTORED IN ACCORDANCE WITH KCRS.
- (13) THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE SAFEGUARDS, SAFETY DEVICES, PROTECTIVE EQUIPMENT, PLAGGERS, AND ANY OTHER NEEDED ACTIONS TO PROTECT THE LIFE, HEALTH, AND SMETTY OF THE PUBLIC, AND TO PROTECT PROPERTY IN CONNECTION WITH THE PERFORMANCE OF WORK COVERED BY THE CONTRACTOR, ANY WORK WITHIN THE TRAVELED RIGHT OF TWAY THAT MAY INTERPRIPT NORMAL TRAFFIC FLOW SHALL REQUIRE AT LEAST ONE FLAGGER FOR EACH LANE OF TRAFFIC AFFECTED, MANUAL ON UNIFICIANT MATERIC CONTROL DEVICES (MULTOS) SHALL AREY, WORK IN RIGHT-OF-WAY IS NOT AUTHORIZED UNTIL A TRAFFIC CONTROL PLAN IS APPROVED BY KING COUNTY.

#### **BPA EASEMENT NOTES:**

- 1. COORDINATE WITH BPA PRIOR TO ANY CONSTRUCTION, ALL WORK SHALL CONFORM TO BPA
- 2. VERIFY ACTUAL TOWER LOCATIONS AND CLEARANCES PRIOR TO ANY CONSTRUCTION / WORK.
- APPROXIMATE LOCATIONS OF POWER LINE TOWERS WERE OBTAINED FROM EXHIBIT A OF THE NON-TRANSFERABLE LAND USE AGREEMENT.
- 4. MAINTAIN 50' MINIMUM CLEARANCE AROUND TOWERS
- MAINTAIN 20' MINIMUM CLEARANCE BETWEEN ALL CONSTRUCTION EQUIPMENT AND TRANSMISSION LINE CONDUCTORS (WIRES).

#### GEOTECHNICAL NOTES:

- 1. A GEOTECHNICAL ENGINEER IS TO MONITOR AND DOCUMENT ALL CLUTS FILLS BENCHING AND COMPACTION ON SITES INCLUDING COAL MINE HAZARDS, A COPY OF THE DOCUMENTATION SHALL BE GIVEN TO THE LUJIS. INSPECTOR UPON HIS/HER REQUEST, PROVIDE COPIES TO ENGINEER.
- 2. PROPOSED CUT AND FILL SCOPES SHALL NOT EXCEED 2-1 WITHOUT GEO TECHNICAL ENGINEERS
- 3. FILL MATERIAL IS TO BE IMPORTED FROM OFFSITE LOCAL AREA PROJECTS. SOILS ARE TO BE CLEAN, AND BELOW MTCA SOIL LEVEL STANDARDS
- ALL WORK WITHIN COAL MINE HAZARD AREAS ARE TO CONFORM TO KING COUNTY ZONING CODE/REQUIREMENTS AND GEOTECHNICAL ENGINEERS RECOMMENDATIONS.

#### SLOPE COVER / PROTECTION NOTES: 1. ALL PERMANENT SLOPES 3: 1 OR STEEPER SHALL BE PROTECTED AS FOLLOW

- a) ROUGHEN SURFACE LEAVING CLEAT IMPRINTS PARALLEL TO SLOPE CONTOURS
- HYDROSEED ENTIRE AREA WITH THE APPROVED FORESTRY SEED MIX.
- INSTALL MULCH
- SECURE ENTIRE AREA WITH EROSION CONTROL BLANKET

#### **EROSION AND SEDIMENTATION CONTROL** NOTES:

- APPROVAL OF THIS ERGSION AND SEDIMENTATION CONTROL (ESC) PLAN DOES NOT CONSTITUTE AN APPROVAL OF PERMANENT ROAD OR DRAINAGE DESIGN (E.G., SIZE AND LOCATION OF ROADS, PIPES, RESTRICTORS, CHANNELS, RETENTION FACILITIES, UTILITIES, ETC.)
- (2) THE IMPLEMENTATION OF THESE ESC PLANS AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT, AND UPGRADING OF THESE ESC FACILITIES IS THE RESPONSIBILITY OF THE APPLICANTESS SUPERVISION UNIT ALL CONSTRUCTION IS APPROVED.
- (3) THE BOUNDARIES OF THE CLEARING LIMITS SHOWN ON THIS PLAN SHALL BE CLEARLY FLAGGED THE BOUNDARIES OF THE CLEARING LIMITS SHOWN ON THIS PLAY SHALL BE CLEARLY FLAGGED BY SURVEY TAPE OR FERCING, IF REQUIRED, PRIOR TO CONSTRUCTION (SYDM APPENDIX D), DURING THE CONSTRUCTION PERIOD, NO DISTURBANCE BEYOND THE CLEARING LIMITS SHALL BE PERMITTED. THE CLEARING LIMITS SHALL BE MAINTAINED BY THE APPLICANT/ESC SUPERVISOR FOR THE DURATION OF CONSTRUCTION.
- (4) STABILIZED CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES, SUCH AS CONSTRUCTED WHEEL WASH SYSTEMS OR WASH PADS, MAY BE REQUIRED TO ENSURE THAT ALL PAYED AREAS ARE KEPT CLEAN AND TRACK OUT TO ROAD RIGHT OF WAY DOES NOT OCCUR FOR THE DURATION OF THE PROJECT.
- (5) THE ESC FACILITIES SHOWN ON THIS PLAN MUST BE CONSTRUCTED PRIOR TO OR IN CONJUNCTION WITH ALL CLEARING AND GRADING SO AS TO ENSURE THAT THE TRANSPORT OF SEDIMENT TO SURFACE WATERS, DRAINAGE SYSTEMS, AND ADJACENT PROPERTIES IS MINIMIZED.
- (6) THE ESC FACILITIES SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED THE ESC PALL/THES SHOWN OF THE PLAYMENT IN BE MINIMAM REQUIREMENTS FOR ANTICE STEE CONDITIONS, DURING THE CONSTRUCTION PERIOD, THESE ESC FACILITIES SHALL BE UPGRADED AS NEEDED FOR UNSERCITED STORM EVENTS AND MODIFIED TO ACCOUNT FOR CHANGING STREE CONDITIONS, SUMP PUN. RELOCATION OF DITCHES AND SILT FENCES, PERIMETER PROTECTION ETC.)
- (7) THE ESC FACILITIES SHALL BE INSPECTED DAILY BY THE APPLICANTIESC SUPERVISOR AND MAINTAINED TO ENSURE CONTINUED PROPER FUNCTIONING, WRITTEN RECORDS SHALL BE KEPT OF WEEKLY REVIEWS OF THE ESC FACILITIES.
- (8) ANY AREAS OF EXPOSED SOILS, INCLUDING ROADWAY EMBANKMENTS, THAT WILL NOT BE DISTURBED FOR TWO DAYS DURING THE WET SEASON OR SEVEN DAYS DURING THE DRY SEASO SHALL BE IMMEDIATELY STABILIZED WITH THE APPROVED ESC COVER METHODS (E.G., SEEDING
- (9) ANY AREA NEEDING ESC MEASURES, NOT REQUIRING IMMEDIATE ATTENTION, SHALL BE
- (10) THE ESC FACILITIES ON INACTIVE SITES SHALL BE INSPECTED AND MAINTAINED A MINIMUM OF
- (11) AT NO TIME SHALL MORE THAN ONE (1) FOOT OF SEDIMENT BE ALLOWED TO ACCUMULATE WITHIN A CATCH BASIN, ALL CATCH BASINS AND CONVEYANCE LINES SHALL BE CLEANED PRIOR TO PAVING. THE CLEANING OPERATION SHALL NOT FLUSH SEDIMENT-LADEN WATER INTO THE OOWNSTREAM SYSTEM.
- (12) ANY PERIMANENT RETENTION/DETENTION FACILITY USED AS A TEMPORARY SETTLING BASIN SHALL BE MODIFIED WITH THE NECESSARY EROSION CONTROL MEASURES AND SHALL PROVIDE ADEQUATE STORAGE CAPACITY. IF THE PERMANENT FACILITY IS TO FUNCTION ULTIMATELY AS AN INFILTRATION SYSTEM, THE TEMPORARY FACILITY MUST BE ROUGH GRADED SO THAT THE BOTTOM AND SIDES ARE AT LEAST THREE FEET ABOVE THE FINAL GRADE OF THE PERMANENT FACILITY.
- (13) COVER MEASURES WILL BE APPLIED IN CONFORMANCE WITH APPENDIX D OF THE SURFACE WATER DESIGN MANUAL.
- (14) PRIOR TO THE BEGINNING OF THE WET SEASON (OCT. 1), ALL DISTURBED AREAS SHALL BE REVIEWED TO IDENTIFY WHICH ONES CAN BE SEEDED IN PREPARATION FOR THE WINTER RAINS, DISTURBED AREAS SHALL BE SEEDED WITHIN ONE WEEK OF THE BEGINNING OF THE WET SEASON, A SKETCH MAP OF THOSE AREAS TO BE SEEDED AND THOSE AREAS TO REMAIN UNCOVERED SHALL BE SUBMITTED TO THE DOES INSPECTOR FOR REVIEW.

#### SOIL NOTES:

LAND SHOULD BE RESTORED IN ACCORDANCE WITH KING COUNTY'S BEST MANAGEMENT PRACTICES FOR RECLAIMING SURFACE MINES

AFTER THE LAND HAS BEEN SHAPED, IT SHOULD BE REGRADED TO PRODUCE A ROUGH, IRREGULAR SURFACE, PARTICULARLY ON SLOPES TO ENSURE THAT REPLACED SOIL IS KEYED IN SUBSTRATE TO SLOW FROSION.

TOPSOIL SHOULD BE REPLACED ON SLOPES AS SOON AS POSSIBLE AFTER RESTORING TOPOGRAPH TOPSOL SPOULD BE REPURCED ON SLOPES AS SOON AS POSSBILE AFTER RESTORING TOPOGRAPHY, SOB, HORIZONS FROM STOCKPILES SHOULD BE REPURCED SEPARATELY IN PROPER ORDER FOR BEST USE OF THE RESOURCE, AFTER THE TOP SOIL IS SPREAD, IT SHOULD BE TILLED TO CONSTRUCT A PROPER SEED BED, A MINIMUM SOIL REPLACEMENT DEPTH OF 12 INCHES OF TOPSOIL IS RECOMMENDED FOR RECLAMATION FOR POST-MINE USES.

WHERE LITTLE OR NO TOPSOIL EXISTS PRIOR TO MINING. IT MAY BE NECESSARY TO AMEND SOILS RECONSTRUCTED SOILS SHOULD HAVE THE SAME CHARACTERISTICS AS TO

CLEAN SOIL MATERIAL IS DEFINED AS IMPORTED SOIL THAT DOES NOT CONTAIN DELETERIOUS (HYDROCARBONS, HEAVY METALS, PCBS, AND OTHER REGULATED CONTAMINATES). (PER ICICLE CREEK

#### T.E.S.C. PLAN NOTES:

- EROSION AND SEDIMENT CONTROL BMP'S SHALL CONFORM TO APPENDIX D, KING COUNTY SURFACE WATER DESIGN MANUAL A COPY SHALL BE
- 2. WHERE CONSTRUCTION VEHICLES CROSS PROPOSED, TEMPORARY INTERCEPTOR DITCHES
- ALL PERMANENT SLOPES 3: 1 OR STEEPER SHALL BE PROTECTED AS FOLLOWS: (a) ROUGHEN SURFACE LEAVING CLEAT IMPRINTS PARALLEL TO SLOPE CONTOURS. (b) PYOROSEED ENTIRE AREA WITH THE APPROVED FORESTRY SEED MIX.

#### CLEAN SOIL MATERIAL NOTE

CLEAN SOIL MATERIAL IS DEFINED AS IMPORTED SOIL THAT DOES NOT CONTAIN DELETERIOUS MATERIAL SUCH AS WOOD, METAL, WIRE, REBAR, CONCRETE, ASPHALT, AND CONTAININATED SOIL (HYDROCARRONS, HEAVY METALS, PCBS, AND OTHER REQUIATED CONTAININATES).

#### CONSTRUCTION SEQUENCE:

- (2) POST SIGN WITH NAME AND PHONE NUMBER OF ESC SUPERVISOR (MAY BE CONSOLIDATED WITH THE REQUIRED NOTICE OF CONSTRUCTION SIGN).
- (4) INSTALL CATCH BASIN PROTECTION IF REQUIRED.
- (5) GRADE AND INSTALL CONSTRUCTION ENTRANCE(S).
- (6) INSTALL PERIMETER PROTECTION (SILT FENCE, BRUSH BARRIER, ETC.).
- (7) CONSTRUCT SEDIMENT PONDS AND TRAPS.
- (8) GRADE AND STABILIZE CONSTRUCTION ROADS.
- (9) CONSTRUCT SURFACE WATER CONTROLS (INTERCEPTOR DIKES, PIPE SLOPE DRAINS, ETC.) SIMULTANEOUSLY WITH CLEARING AND CRADING FOR PROJECT DEVELOPMENT.
- (10) MAINTAIN EROSION CONTROL MEASURES IN ACCORDANCE WITH KING COUNTY STANDARDS AND
- (11) RELOCATE EROSION CONTROL MEASURES OR INSTALL NEW MEASURES SO THAT AS SITE CONDITIONS CHANGE THE EROSION AND SEDMENT CONTROL IS ALWAYS IN ACCORDANCE WITH THE KING COUNTY EROSION AND SEDMENT CONTROL STANDARDS.
- (12) COVER ALL AREAS THAT WILL BE UNWORKED FOR MORE THAN SEVEN DAYS DURING THE DRY SEASON OR TWO DAYS DURING THE WET SEASON WITH STRAW, WOOD FIBER MULCH, COMPOST PLASTIC SHEETING OR EQUIVALENT.
- (13) STABILIZE ALL AREAS THAT REACH FINAL GRADE WITHIN SEVEN DAYS.
- (14) SEED OR SOD ANY AREAS TO REMAIN UNWORKED FOR MORE THAN 30 DAYS.
- (15) UPON COMPLETION OF THE PROJECT, ALL DISTURBED AREAS MUST BE STABILIZED AND BMPS

#### DRAINAGE NOTES:

- PROOF OF LIABILITY INSURANCE SHALL BE SUBMITTED TO DOES PRIOR TO THE CONSTRUCTION OF THE DRAINAGE FACILITIES, PREFERABLY AT THE PRECONSTRUCTION MEETING.
- (2) ALL PIPE AND APPURTENANCES SHALL BE LAID ON A PROPERLY PREPARED FOUNDATION IN ACCORDANCE WITH WISDOT SPECIFICATIONS. THIS SHALL INCLUDE LEVELING AND COMPACTING THE TRENCH BOTTOM, THE TOP OF THE FOUNDATION MATERIAL, AND ANY REQUIRED PIPE BEDOING, TO A UNIFORM GRADE SO THAT THE ENTIRE PIPE IS SUPPORTED BY A UNIFORMLY DENSE UNYIELDING BASE.
- (3) STEEL PIPE SHALL BE ALUMINIZED, OR GALVANIZED WITH ASPHALT TREATMENT #1 OR BETTER
- (4) ALL DRAINAGE STRUCTURES, SUCH AS CATCH BASINS AND MANHOLES, NOT LOCATED WITHIN A TRAVELED ROADWAY OR SIDEWALK, SHALL HAVE SOLID LOCKING LIDS, ALL DRAMAGE STRUCTURES ASSOCIATED WITH A PERMANENT RETENTION/DETENTION FACILITY SHALL HAVE
- (6) ALL CATCH BASIN GRATES SHALL CONFORM TO KCRS, WHICH INCLUDES THE STAMPING "QUITALL TO STREAM, DUMP NO POLITIANTS" AND "PROPERTY OF RING COUNTY," EXCEPT THAT PRIVATE DRABAGE SYSTEMS SHALL NOT HAVE THE WORDS "PROPERTY OF KING COUNTY."
- (6) ALL DRIVEWAY CULVERTS LOCATED WITHIN KING COUNTY RIGHT-OF-WAY SHALL BE OF SUFFICIENT LENGTH TO PROVIDE A MINIMUM 3.1 SLOPE FROM THE EDGE OF THE DRIVEWAY TO THE BOTTOM OF THE DITCH, CULVERTS SHALL HAVE BEYELD END SECTIONS TO MATCH THE
- ROCK FOR EROSION PROTECTION OF ROADWAY DITCHES, WHERE REQUIRED, MUST BE OF SOUND QUARRY ROCK, PLACED TO A DEPTH OF 1 FOOT, AND MUST MEET THE FOLLOWING SPECIFICATIONS: 4: "MONE-70% PASSING; 2"-4" ROCK/30%-40% PASSING; AND -2" ROCK/10%-20% PASSING, INSTALLATION SHALL BE IN ACCORDANCE WITH KCRS.
- (B) DRAINAGE OUTLETS (STUB-OUTS) SHALL BE PROVIDED FOR EACH INDIVIDUAL LOT, EXCEPT FOR THOSE LOTS APPROVED FOR INFILTRATION BY KING COUNTY, STUB-OUTS SHALL CONFORM TO
- A) EACH OUTLET SHALL BE SUITABLY LOCATED AT THE LOWEST ELEVATION ON THE LOT, SO AS TO SERVICE ALL FUTURE ROOF DOWNSPOUTS AND FOOTING DRAINS, DRIVEWAYS, YARD DRAINS, AND ANY OTHER SURFACE OR SUBSURFACE DRAINS RECESSARY TO RENDER THE LOTS SUITABLE FOR THEIR INTENDED USE, EACH OUTLET SHALL HAVE FREE-FLOWING, POSITIVE DRAINAGE TO AN APPROVED STORMWATER CONVEYANCE SYSTEM OR TO AN APPROVED DUTFALL LOCATION.
- B) OUTLETS ON EACH LOT SHALL BE LOCATED WITH A FIVE-FOOT-HIGH, 2" X 4" STAKE MARKED "STORM" OR "DRAIN". THE STUB-OUT SHALL EXTEND ABOVE SURFACE LEVEL, BE VISIBLE, AND BE SECURED TO THE STAKE.
- C) PIPE MATERIAL SHALL CONFORM TO UNDERDRAIN SPECIFICATIONS DESCRIBED IN KORS AND, IF NON-METALLIC, THE PIPE SHALL CONTAIN WIRE OR OTHER ACCEPTABLE DETECTION.
- D) DRAINAGE EASEMENTS ARE REQUIRED FOR DRAINAGE SYSTEMS DESIGNED TO CONVEY FLOWS
- THE APPLICANT/CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE LOCATIONS OF ALL STUB-OUT CONVEYANCE LINES WITH RESPECT TO THE UTILITIES (E.G. POWER, GAS, TELEPHONE,
- F) ALL INDIVIDUAL STUB-OUTS SHALL BE PRIVATELY OWNED AND MAINTAINED BY THE LOT HOME
- ALL DISTURBED PERVIOUS AREAS (COMPACTED, GRADED, LANDSCAPED, ETC.) OF THE DEVELOPMENT SITE MUST DEMONSTRATE ONE OF THE FOLLOWING. THE EXISTING OUTF LAYER SHALL BE STAGED AND REDISTRIBUTED TO MAINTAIN THE MOISTURE CAPACITY OF THE SOIL, OR; AMENDED SOIL SHALL BE ADDED TO MAINTAIN THE MOISTURE CAPACITY.
- (2) SEASONAL CLEARING IS LIMITED BETWEEN OCTOBER 1 AND MARCH 30 INCLUSIVE, UNLESS OTHERWISE APPROVED WITH A WRITTEN DECISION BY THE REVIEWING AGENCY.
- (3) IMPROVEMENTS AND/OR BUILDINGS SHALL NOT BE INSTALLED UNTIL DRAINAGE FACILITIES ARE 'IN OPERATION', (KCC 9.04).

#### SEEDING NOTES: (WHERE REQUIRED)

- SEEDING SHOULD BE DONE IMMEDIATELY AFTER FANAL SHAPING IF COMPLETED DURING THE PERIODS OF APRIL 1 THROUGH JUNE 3D AND SEPTEMBER I THROUGH OCTOBER 31 (IF PLANTED BETWEEN JULY 1 AND JULGET 31, IRRIGATION MAY BE REQUIRED). SITES WHICH CANNOT BE SEEDED DURING THIS TIME PERIOD SHOULD BE PROTECTED JUITIL THE NEXT SEEDING PERIOD
- PERMANENT VEGETATION MAY BE IN THE FORM OF GRASS SEED MIXTURES, SOD, OR WETLAND SEED / TUBER MIXTURES, SEED ESTABLISHMENT SHALL INCLUDE THE USE OF SUPPLEMENTAL
- 3. SITE PREPARATION INSTALL SURFACE RUNOFF CONTROL MEASURES.
- 4. SEEDBED PREPARATION MAY INCLUDE THE FOLLOWING
- B. IF INFERTILE OR COARSE TEXTURED SUBSOIL MILL BE EXPOSED DURING GRADING, STOCKPILE TOPSOIL AND RE-SPREAD IT OVER THE FINISHED SLOPE AND ROLL IT TO PROVIDE A FIRM
- b. IF CONSTRUCTION FILLS HAVE LEFT SOIL EXPOSED WITH A LOOSE, ROUGH, OR IRREGULAR SURFACE, TRACK WALK UP SLOPE
- c. IF CUTS OR CONSTRUCTION EQUIPMENT HAVE LEFT A TIGHTLY COMPACTED SURFACE, BREAK WITH CHISEL PLOW OR OTHER SUITABLE IMPLEMENT
- 5. PERFORM ALL CULTURAL OPERATIONS ACROSS OR AT RIGHT ANGLES TO THE 51 OPER (CONTOURED). THE SEEDBED SHOULD BE FIRM WITH A FAIRLY FINE SURFACE AFTER ROUGHENING
- 8. FERTILIZATION AS PER SUPPLIER'S RECOMMENDATIONS. DEVELOPMENTS ADJACENT TO WATER BODIES MUST USE NON-PHOSPHOROUS FERTILIZER.
- 7. "HYDROSEEDING" APPLICATIONS WITH APPROVED SEED-MULCH-FERTILIZER MIXTURES IMAY ALSO
- 8, SEEDING APPLY APPROPRIATE MIXTURE TO THE PREPARED SEEDSED AT A RATE OF 120 LBS/ACRE COVER THE SEED WITH TOPSOIL OR MULCH NO DEEPER THAN 1/2 INCH.
- INSPECT SEEDED AREAS FOR FAILURE AND MAKE NECESSARY REPAIRS AND RE-SEEDINGS
- IF YEGETATION COVER IS INADEQUATE TO PREVENT RILL EROSION, OVERSEED AND FERTILIZE IN ACCORDANCE WITH SOIL TEST RESULTS.
- b. IF A STAND HAS LESS THAN 40% COVER, REEVALUATE CHOICE OF PLANT MATERIALS AND QUANTITIES OF LIME AND FERTILIZER. REGISTABLISH THE STAND FOLLOWING SEEDBED PREPARATION AND SEEDING RECOMMENDATIONS, OMITTING LIME AND FERTILIZER IN THE ABSENCE OF SOIL TEST RESULTS.
- 10. TEMPORARY EROSION CONTROL SEED MIXTURES

SEED MIX TYPE	PROPORTIONS BY WEIGHT	PERCENT	PERCENT GERMINATION
CHEWINGS OR RED FESCUE	40%	98%	90
ANNUAL OR PREENNIAL RYE	40%	98%	90
REDTOP OR COLONIAL BENTGRASS	10%	92%	85
WHITE DUTCH CLOVER	10%	98%	90

\*APPLY THIS MIXTURE AT A RATE OF 120 LBS/ACRE. THIS RATE CAN BE REDUCED IF SOIL AMENDMENTS

#### MULCHING:

- 1. MULCH MATERIALS USED SHALL BE HAY OR STRAW, AND SHALL BE APPLIED AT THE RATE OF 2.3
- 2. MULCHES SHALL BE APPLIED ON ALL EXPOSED AREAS.
- MULCHING SHALL BE USED IMMEDIATELY AFTER SEEDING OR IN AREAS WHICH CANNOT BE SEEDED BECAUSE OF THE SEASON.
- 4. ALL AREAS NEEDING MULCH SHALL BE COVERED BY NOVEMBER 1.

#### PLANTING NOTES:

- . THE PROJECT AREAS WILL HAVE A CAP OF TOPSOIL WITH AN APPROPRIATE MIXTURE OF FUNGI PERFECTI AND GLOMALIN TO SUPPORT SOIL DEVELOPMENT AND VEGETATION SURVIVAL.
- 2 THE PRIMARY CONFER SPECIES WILL CONSIST OF DOUGLAS-FIR 240 SEEDLINGS AND THE THE PRIMARY CONFER SPECIES WILL CONSIST OF DOUGLAS-THE 21D SEEDLINGS AND THE PLANTING RATE WILL BE APPROXIMATELY 680 TREES PER ACRE. THE SPACING ON THE PLANTED SEEDLINGS WILL BE 8 FEET BY 8 FEET. ADDITIONALLY, RED ALDER IS A PIONEER SPECIES FOR THIS REGION AND WILL NATURALLY REGENERATE ON EXPOSED SOILS.
- 3. AN APPROVED FORESTRY SEED MIX WILL BE APPLIED EVENLY ACROSS THE COMPLETED SITE



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NOTES

CONSTRUCTION ALE TREI LLC AVENUE E WA 98328

DESIGNER: J. JACOB ENGINEER: B. ALLEN DRAWN: J. JACOBY 2020.07.28

REVISED: PROJECT: 09-040 OWG NAME: 09-040-C

> SHEET C3 3 OF 24

## BACKFILL TRENCH WITH NATIVE SOIL -OR 3/4" TO 1-1/2" WASHED GRAYEL NOTE: FILTER FABRIC FENCES SHALL BE INSTALLED ALONG 2"x4" WOOD POSTS, STEEL FENCE-POSTS, REBAR, OR EQUIVALENT

#### MAINTENANCE STANDARDS

- 3. It is important to check the upbit side of the felice for signs of the fence clogging and acting as a barrier to fow and then causing characteristic of flows possible to the fence. If this occurs, replace for language to ocharacteristics.
- 4. Sediment must be removed when the sestiment is 6 inches high
- 5 If the filter febric (protectile) has deteriorated that to ultraviolat breaktions. 4 shall be replace

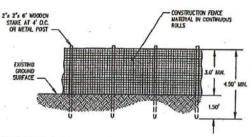
#### FILTER FABRIC FENCE NOTES:

SEE FIGURE C.J.G.A AND FIGURE C.J.G.O FOR DETAILS.
 THE GEOTEXTILE USED HILET THE STANDARDS LISTED BELOW, A COPY OF THE MANUFACTURER'S

AOS (ASTM D4751)	30-100 slave size (0,60-0.15 mm) for sitt film 50-100 slave size (0.30-0.15 mm) for other fabrica
Water Permittvity (ASTM D4491)	0.02 sec <sup>-1</sup> minimum
Greb Tensile Strength (ASTM 04632)	180 lbs. min. for extra strength labric 100 lbs. min. for atsoderd strength fabric
Grab Tensile Elongation (ASTM D4632)	30% max.
Ultreviolet Resistance (ASTM D4355)	70% min.

- STAMEARD STRENGTH FARRIC REQUIRES WINE BACKING TO INCREASE THE STRENGTH OF THE FERCE. WHE INCREME ON LIGHTER FOR THE STRENGTH FOR THE PRODUCTION OF WARMANTS A STRENGTH FARD. THE PRODUCTION OF WARMANTS A STRENGT HOSE TRENCH TO STRENGT HAVE A RECORD FOR THE PRODUCTION OF THE PRODUCTI

#### FILTER FABRIC FENCE DETAIL



#### MAINTENANCE STANDARDS:

- IF THE FENCE HAS BEEN DAYNGED OR VISIBLY REDUCED, IT SHALL BE REPAIRED OR REPLACED PMEDIATELY AND VISIBILITY RESTORED.
- DISTURBANCE OF A CRITICAL AREA, CRITICAL BUFFER, NATIVE GRIDN'DS RETENTION AREA, OR ANY DISTURBANCE REQUIRED. TO BE UFF UNDISTURBED SHALL BE REPORTED TO THE COUNTY FOR RESOLUTION.

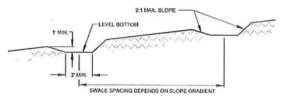
#### PROTECTION FENCE NOTES:

- THE FENCE SHALL DESIGNED AND INSTALLED ACCORDING TO THE MANUFACTURERS SPECIFICATIONS.
- THE FENCE SHALL BE AT LEAST 3 FEET HIGH AND NUST BE HIGHLY VISSILE.
- 3 THE PENCE SHALL NOT BE WIRED OR STAPLED TO TREES.
- 4. THE FERICE SHALL BE REMOVED UPON THE COMPLETION OF THE WORK AND THE SITE IS STABILIZED.

#### PROTECTION FENCE DETAIL

#### RAVENSDALE RECLAMATION TRENCH FILLING AND RESTORATION PROJECT PORTIONS OF SECTION 1, TOWNSHIP 21 NORTH, RANGE 6 EAST.

SECTION 36, TOWNSHIP 22 NORTH, RANGE 6 EAST, AND SECTION 31, TOWNSHIP 22 NORTH, RANGE 7 EAST, W.M. KING COUNTY, WASHINGTON



#### DESIGN AND INSTALLATION SPECIFICATIONS

- 1. SEE FIGURE D.2.1.6.B FOR DETAILS OF AN SITTERCEPTOR DISK AND FIGURE D.2.1.6.C FOR AN INSTRUCTURE SYMME

AVERAGE SLOPE	SLOPE PERCENT	FLOWINGHAM
20rc IV OR LESS	3-5%	300 FEET
(10 TO 20/H: IV	5-10%	200 FEET
(4 TO LOYN: 1V	10-25%	100 FEET
(2 TO 4)/E1V	25-50%	SO FEET

- IF THE DIDE OR SIMLE INTERCEPTS RUNCHF FROM DISTURBED AREAS, IT SHALL DISCHARGE TO A STARLE CONVENINCE SYSTEM THAT ROUTES THE RECOVE TO A BEDINGHT FORD OR THAN (SEE SECTION D.2.1.5). IF THE DIVE OR BYANE INTERCEPTS RUNCHF THAT COMMITTES FROM UNDESTRUBED AREAS, THAT SHALL DISCHARGE OR A STARLE CONVENINCE SYSTEM THAT ROUTES THE BURGHT CONVINCION OF ANY OSTRUBED AREAS AND RELEGISED WHATER.

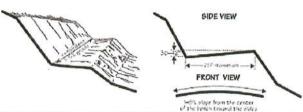
#### MAINTENANCE STANDARDS

- DAMAGE RESULTING FROM BURIOFF OR CONSTRUCTION ACTIVITY SHALL BE REPAIRED IMMEDIATELY
- IF THE PACELLIES DO NOT REGULARLY RETAIN STORM NUMBER, THE CAPACITY MOYOR PREQUENCY OF THE DRESSWALLS SHALL BE INCREASED.

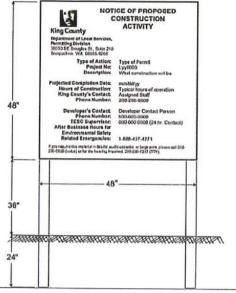
#### INTERCEPTOR SWALES NOTES:

- 1. SEED AND MULCH SHALL BE APPLIED WITHIN 5 DAYS OF CONSTRUCTION PIECE VEGETATIONS
- NO EROSION SHALL DOTLIN AT THE DUTLET. PROVIDE ENTERLY DESCRIPTION MEASURES AS NOTHERAD
- SEDDMENT LADER RUNOFF HUST BE RELEASED THROUGH A SEDUMENT TRAPPING FACILITY BUCH AS A ROND, TRAP, OR SILT FENCE AS APPROPRIATE TO DRAINING AREA SEEF.

#### INTERCEPTOR DITCH DETAIL



#### **BENCHING AND TERRACING DETAIL**

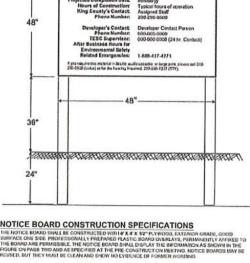


HELVETICA OR SIMILAR TYPEFACE HELVETCA ON SMIKAN TYPEFACE THE BROWNED BY 2 CAPITAL LETTERS INDICE OF PROPOSED CONSTRUCTION ACTIVITY, OTHER LETTERS SHOULD BE 2" LETTERS AND THE EMERGING." TEXT AND PROME MAY BE 1-1/2" LETTERS SEE ALL SUSTRATION OF PROFE TWO FOR USE OF CAPITAL AND LOWERCASE LETTERS. THE SIZE DE PAIR COUNTY OO WITH THE PERMITTIENT OF OF PERMITTIENT OF OWNER THE PROFESSION OF PERMITTIENT OF OWNER AND ENVIRONMENTAL REVERS EMERSTANDED AND ACCOUNTY TO WHITE THE PROFESSION AND ACCOUNTY OF THE PROFESSION ACCOUNTY O PERMITTING AND ENVIRONMENTAL REVIEWS
(PERMITTING) ADDRESS (LETTERING HEIGHT 17) SHALL
HIT THE AVAILABLE SPACE AS SHOWN, BONDEN AREA
AND UNES OF TEXT SHALL BE EVEN. IT SPACED TO

THE APPLICANT/DEVELOPER BHAIL ERECT THE HOTICE BOMED BY SOLIDLY SETTING TWO 4" X 4" POSTS TO 12 TO 28 HOLLES INTO THE ORIGINAL OR STRUCTURALLY ATTACHMED IT TO AN EXISTING BUILDING POST LOWITH SHALL BE AT LOSAT? THEY ARMYET THE GROUND, TWO 2" X 2" DUGGOONE, BHOSES SHOULD BE NAILED TO THE INSIDE BACK OF THE POSTS AND STAKED AT THE ORIGINAL OF PROVIDE STARISTY AGAINST WHICH CASE OF SOON CONSTRUCTOR FOR POSTS AND STAKED AT THE ORIGINAL SHOULD BE OFFICE.

#### MAINTENANCE AND REMOVAL OF NOTICE BOARD

#### NOTICE OF CONSTRUCTION ACTIVITY SIGN



APPROXIMATE THE SAMPLE SHOWN

KING COUNTY EMBLEM IN III ACK

THE NOTICE BIGARD SHALL BE ATTACHED TO THE POSTS WITH FOUR LAG BOLTS AND WASHERS (VB-NICH DIAMETER AND 3" LONG).

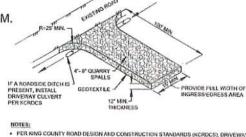
#### NOTICE BOARD LOCATION

- THE NOTICE BOARD SHALL BE LOCATED:

   AT THE MOPORT ON THE SITE STREET FRONTAGE DRAS OTHERWISE DIRECTED BY PERMITTING STAFF
- TO MANAGE VISBULTY

  A TALCOCATION STEET INSIDE THE STREET PROPERTY LINE; A NOTICE BOARD STRUCTURALLY ATTACHED
  TO AN EXISTING SUCIDIES IMAIL SE EXEMPT FROM THE SETBACK PROVISIONS, PROVIDED THAT THE
  NOTICE BOARD EXCENTED NOT MORE THAN 1 FEET FROM THE PROPERTY LINE WITHOUT APPROVAL
  FROM PERMITTING STAFT. SO THAT THE TOP OF THE NOTICE BOARD IS BETWEEN? TO B FEET ABOVE GRADE.





- FER KING COUNTY ROAD DESIGN AND CONSTRUCTION STANDARDS (KCRDCS), DRIVEWAYS SHALL BE PAVED TO EDGE OF R.O.W PRIOR TO INSTALLATION OF THE CONSTRUCTION ENTRANCE TO AVOID DIMAGNING OF THE ROADWAY
- . IT IS RECOMMENDED THAT THE ENTRANCE BE CROWNED SO THAT RUNOFF DRAINS OFF THE PAD.

#### DESIGN AND INSTALLATION SPECIFICATIONS

- I. SHE FIGURE D.2.1-4 A FOR DETAILS.
- A SEPARATION GEOTEXTILE SHALL BE PLACED UNDER THE SPALES TO PREVENT FINE SEGMENT FROM PU INTO THE ROCK PAD, THE GEOFENTILE SHALL MEET THE POLICIENT IS STANDARDS:

GRAIN TERSILE STRENGTH (ASTM D4632) GRAS TENSILE ELONGATION (ASTM D46)2) PUNCTURE STRENGTH (ASTR D6241) AOS (ASTR D4751)

200 LBS NOV. 30% MAX (WOVEN) 20-45 (U.S. STANDARD SIEVE SIZE)

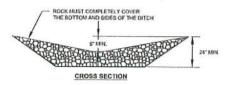
- HOS FUEL, (WOOD BASED PURCH) HAY BE SUBSTITUTED FOR OR COMBINED WITH QUARRY SPAILS IN AREAS THAY WILL BUT HE USED FOR PERMANENT ROLDS. THE EFFECTIVENESS OF HIGH FUEL STRONGLY MARRIAGE, BUT IT HAS BEEN USED SECTORSHALL FOR HAVE STILLS. THE EFFECTIVENESS FOR PRINCIPATION FOR MADINESS THAT HAVE THE PROPERTY HAVE PROMITTENED THAT QUARRY SHALLS, HOW FUEL IS NOT RECOVERED FOR EVALUATION FOR AT MAY I MAY I MAY INCHES TO RECOVER SEPTION SEPTION FOR AT MAY I MAY INCHES TO RECOVER SEPTION SEPTION FOR THE MADINESS THAT MAY INCHES TO SEPTION FOR THE MADINESS THAT MAY INCHES THE SEPTION FOR THE MADINESS THAT MAY INCHES THE MADINESS THAT MAY INCHES THE MADINESS THAT RECOVERED THE RECOVERED THE
- 5. FENCING (SEE SECTION 0.2.1.1) SHALL BE INSTALLED AS NECESSARY TO RESTRICT YEARS IC YOU THE COM-
- WHENEVER POSSURE. THE DITRANCE SHALL BE CONSTRUCTED ON A FIRM, COHPACTED SUBGRADE, THIS CAN SUBSTANTIALLY INCREMSE THE EFFECTIVENESS OF THE PAD AND REDUCE THE NEED FOR HAIRTENAICE.

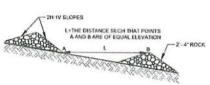
- QUARRY SPALLS (OR HOG PURE) SHALL BE ABORD IF THE PAD IS NO LONGER PLACEORDANCE WITH THE SPECIFICATIONS.
- ANY SEDIMENT THAT IS TRACKED ONTO PAYORIDIT SHALL BE REMOVED IMPREDIATELY BY SINCEPING. THE SEDIMENT COLLECTED BY SINCEPING SHALL BE REMOVED ON STRAILLED ON STIE, THE PARPHARM SHALL NOT BE CLEANED BY WARRIANG DOWN THE STREET, CAPTER WARD SHEEPINGS IN EMPERIOR AND THAT IS THAT TO FURLISH SHALL IF IT IS INCESSANT TO WARD THE STREETS, A SMALL SUPPINIST BE CONSTRUCTED. THE SEDIMENT WOULD THEN HE WARRIED BITO THE SUMP WARRE OF CAMPE COMPROLIZE WARD HAVE THE PROPER BACK ONTO THE SITE AND CAMPACT OUTCHANGE TO SYSTEMS TREBUTANT TO SUMPACE WATER.
- 4. ANY QUARRY SHALLS THAT ARE LOGSENED FROM THE FAD AND END UP ON THE ROADWAY SHALL RE REMOVED
- 5 IF VEHICLES ARE ENTERING OR ENTING THE SITE AT POINTS OTHER THAN THE CONSTRUCTION ENTRANCE(S). FENCING (SEE SECTION 0.1.1.1) SHALL BE DISTALLED TO CONTROL TRAFFIC.

#### **CONSTRUCTION ENTRANCE DETAIL**

#### ACCESS ROAD AND ACCESS POINT NOTES

ACCESS ROADS AND ACCESS POINTS SHALL BE A MINIMUM OF 15 WIDE WITH A MAXIMUM OF A 2% CROSS SLOPE, 15% DOWNYARDUPWARD SLOPE, AND SHALL BE CONSTRUCTED AND SUBSEQUENTLY RECLAIMED AS TRENCH FILLING DICTATES, ENSURING NO ROAD REMAINS LONGER THAN NECESSARY.





CHECK DAM SPACING

**ROCK CHECK DAMS** 

DESIGNER: J. JACOBY ENGINEER: B. ALLEN DRAWN. J. JACOBY S 1 T 21 N R 6E WM 2020.07.28 PROJECT: 09-040 DWG NAME: 09 040-C SHEET C4 4 OF 24

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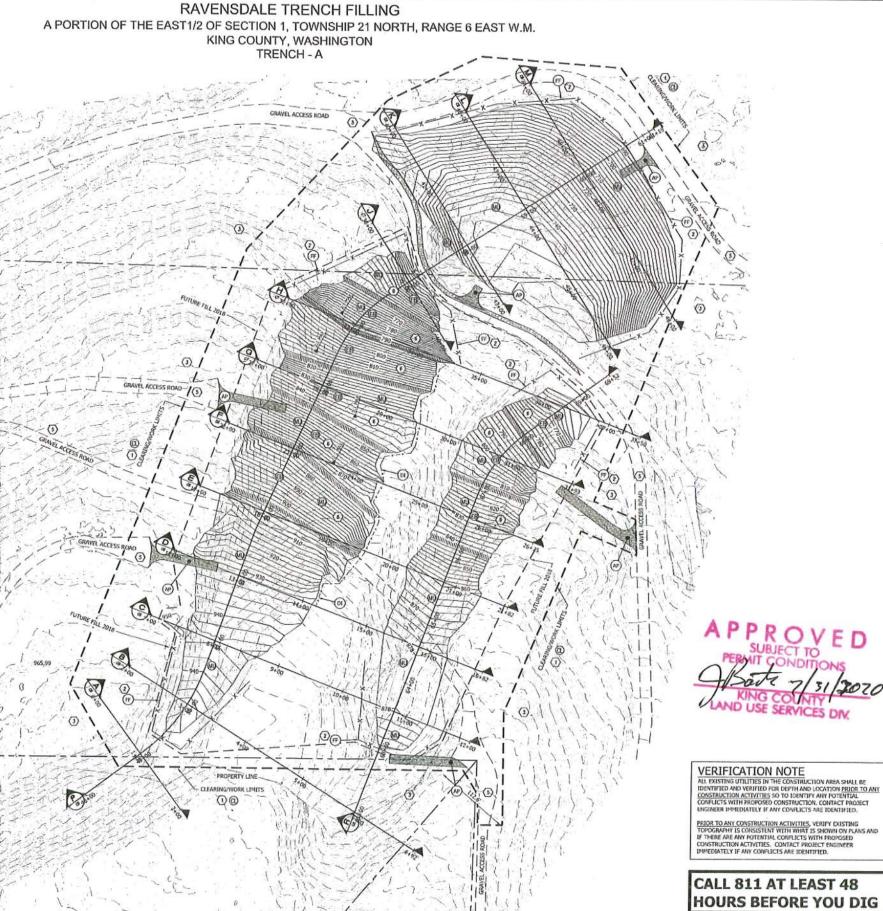
NOTES

T.E.S.C.

N G N-LAND P

YORS





GRADING ,

DESIGNER: J. JACOBY ENGINEER: B. ALLEN DRAWN. J. JACOBY S 1 T 21 N R 6E WM

2020,07.28

DWG NAME, 09-040 TRENCH. SHEET

C5

5 OF 24

REV.

### GRAPHIC SCALE 1 INCH = 30 FEET (24"x36")

#### RAVENSDALE TRENCH FILLING A PORTION OF THE EAST1/2 OF SECTION 1, TOWNSHIP 21 NORTH, RANGE 6 EAST W.M. KING COUNTY, WASHINGTON TRENCH - A

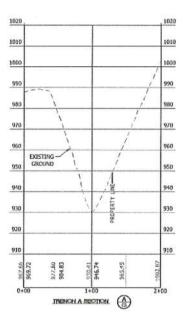
## TRENCH A:

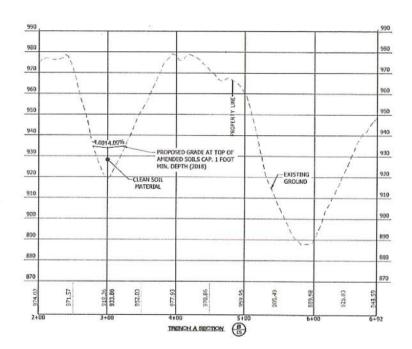
PROPOSED IMPORT QUANTITY: 258,658 CY±

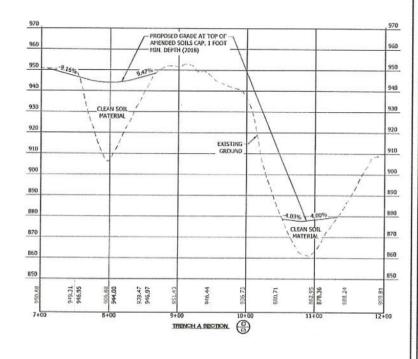
(BANK YARDS) TOP SOIL:

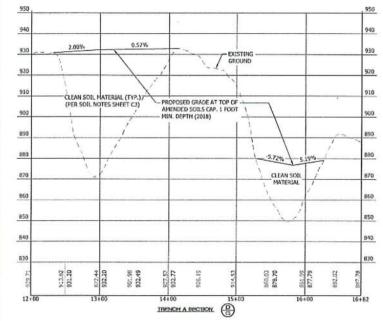
8,072 CY±\*

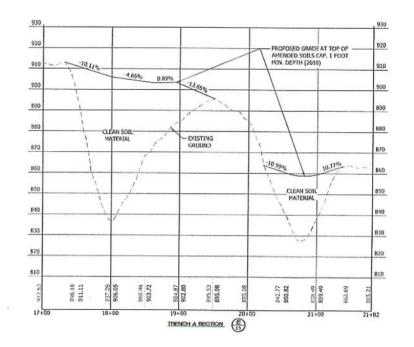
\*ASSUMING 1' DEPTH

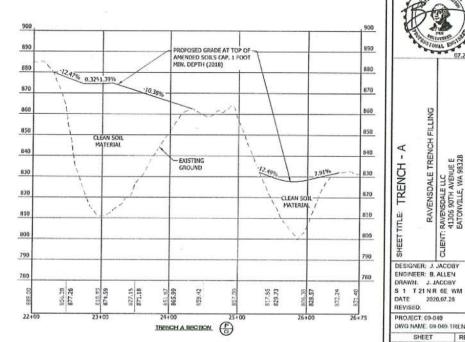












PROJECT: 09-040 DWG NAME 09 049 TRENCH A SHEET REV. C6 <u></u> 6 OF 24

SURVEYORS~LAND PLANNE AT W., Suite 106 Gg Harbor, vox 98333 A Pass. 53-509-0094 A info@contonic.com

### GRAPHIC SCALE 1 INCH = 30 FEET (24"x36")

#### RAVENSDALE TRENCH FILLING

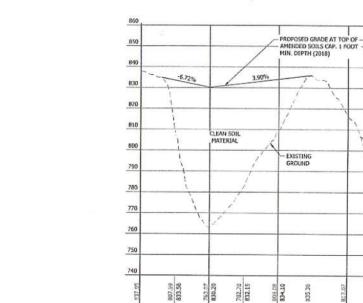
A PORTION OF THE EAST1/2 OF SECTION 1, TOWNSHIP 21 NORTH, RANGE 6 EAST W.M. KING COUNTY, WASHINGTON TRENCH - A

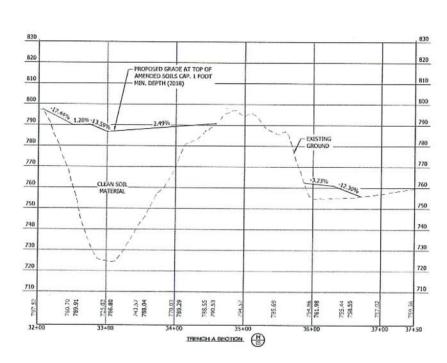
APPROVED
SUBJECT TO
PERMIT CONDITIONS KING COUNTY LAND USE SERVICES DIV.

TRENCH A: PROPOSED IMPORT QUANTITY: 258,658 CY± (BANK YARDS) TOP SOIL: 8,072 CY±\* \*ASSUMING 1' DEPTH

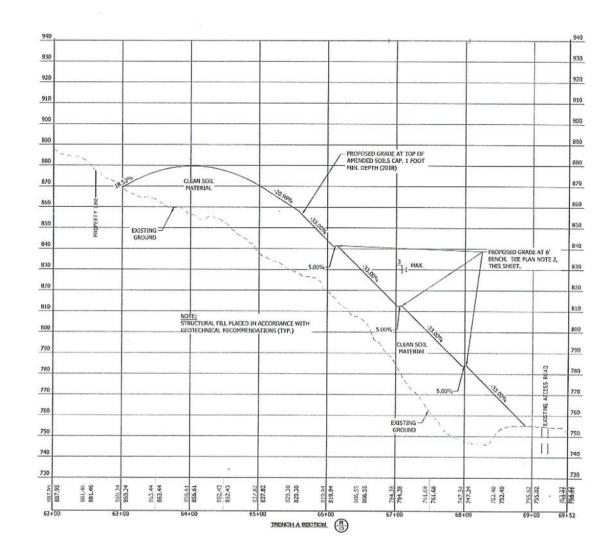
PROPOSED GRADE AT TOP OF -AMENDED SOILS CAP, 1 FOOT MIN. DEPTH (2018) EXISTING -GROUND

THENCH A BECTION (S)





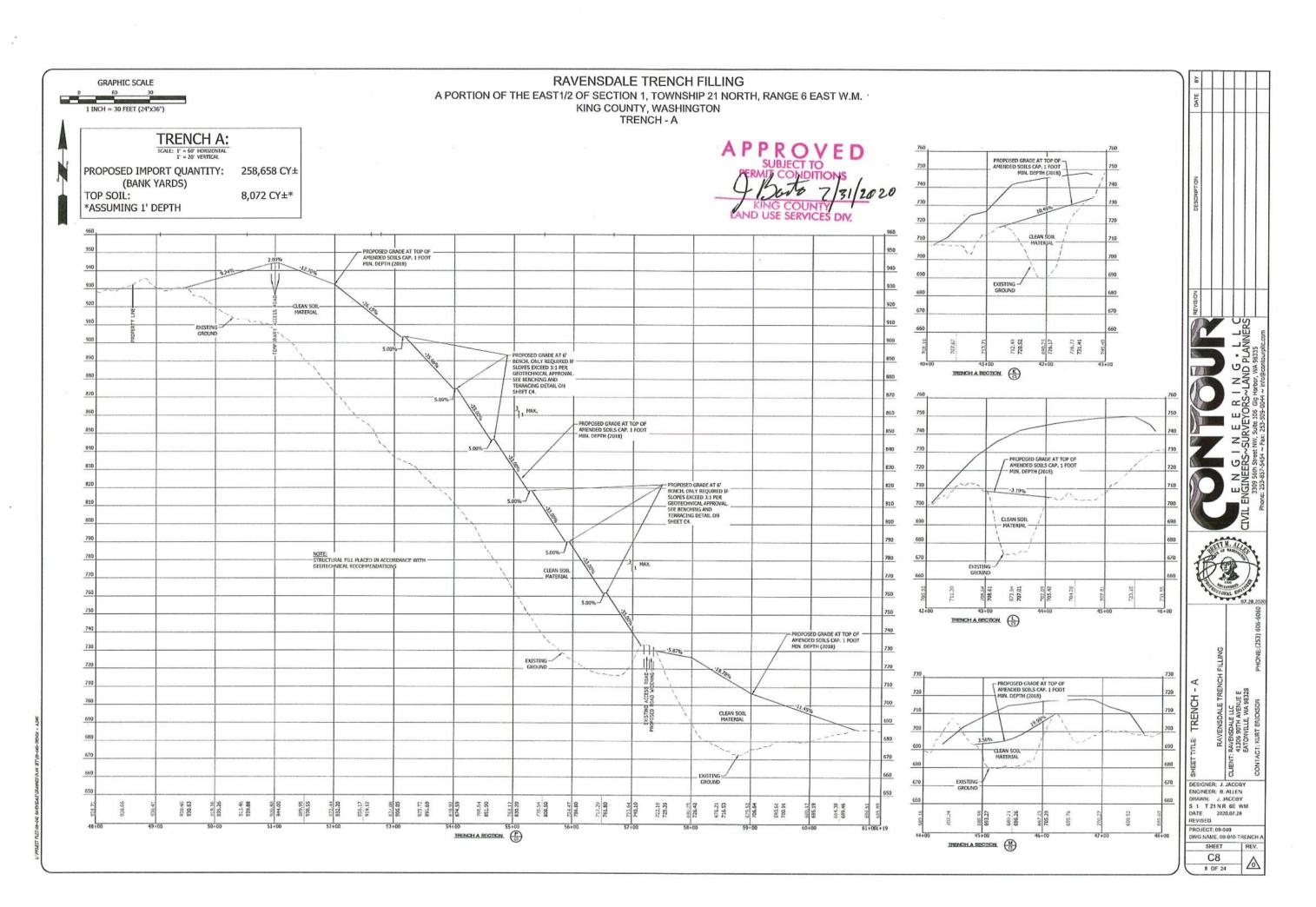
IBENCH A BECTION (S)

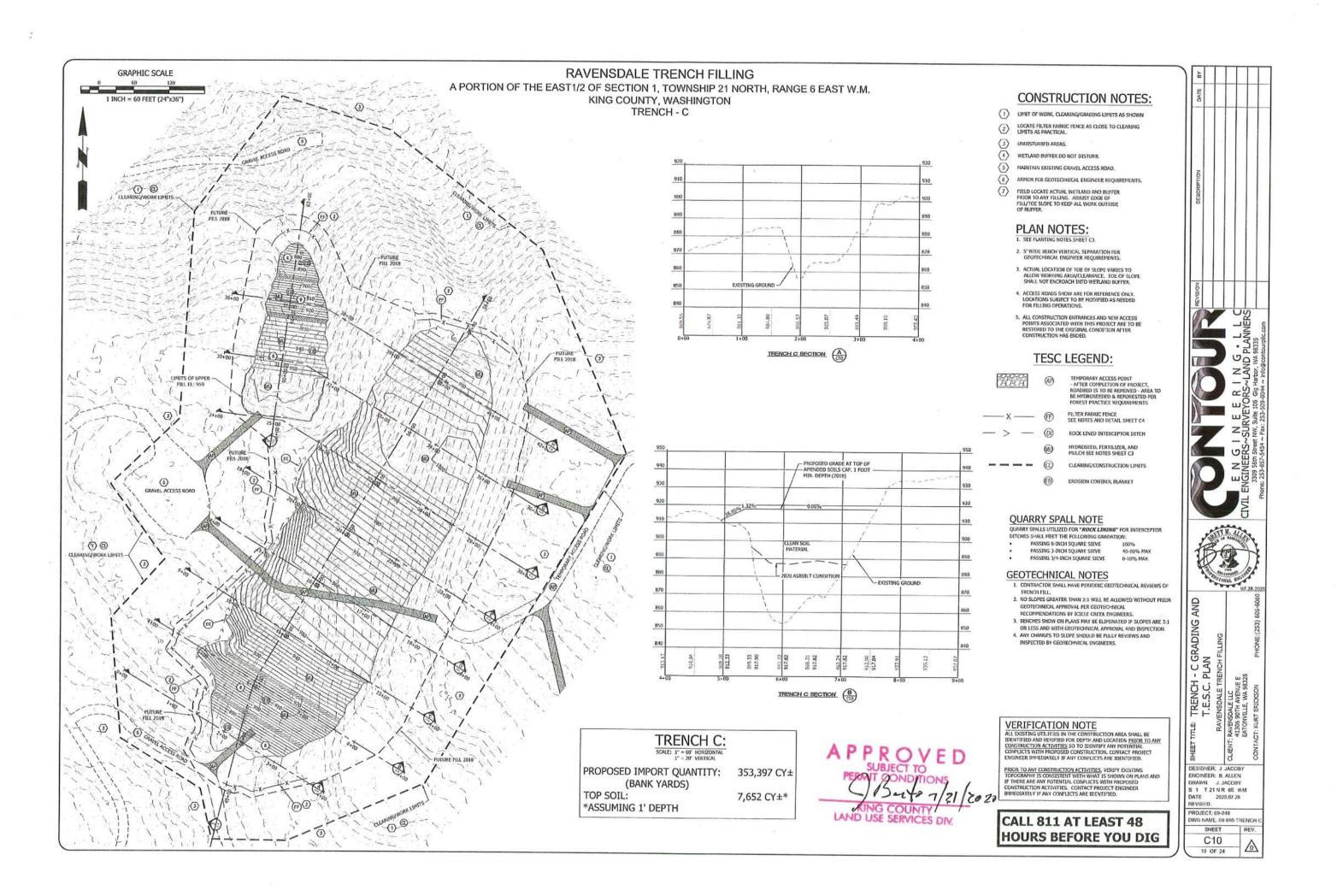


DESIGNER: J. JACOBY
ENGINEER: B. ALLEN
DRAWN. J. JACOBY
S 1 T 21 NR 6E WM
DATE 2020.07.28
REVISED: SHEET

PROJECT: 09-040 DWG NAME 09-040 TRENCH / REV. C7 1

DESIGNER: J. JACOBY





## GRAPHIC SCALE 0 60 120 1 INCH = 60 FEET (24"x36")

## RAVENSDALE TRENCH FILLING A PORTION OF THE EAST1/2 OF SECTION 1, TOWNSHIP 21 NORTH, RANGE 6 EAST W.M. KING COUNTY, WASHINGTON TRENCH - C

TRENCH C:

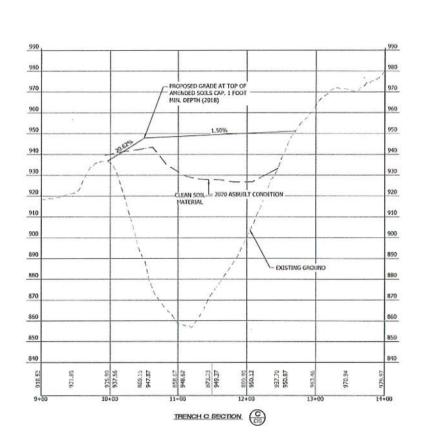
SCALE: 1' = 60' HORIZONTAL
1' = 20' VERTICAL

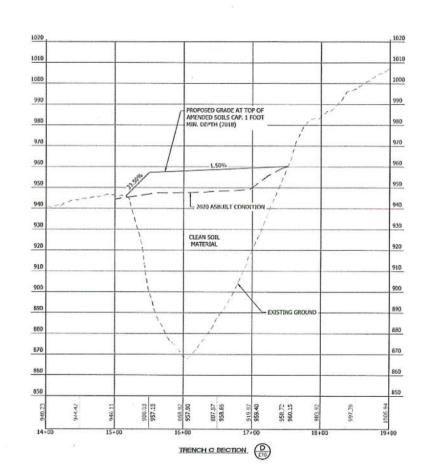
PROPOSED IMPORT QUANTITY: 353,397 CY±

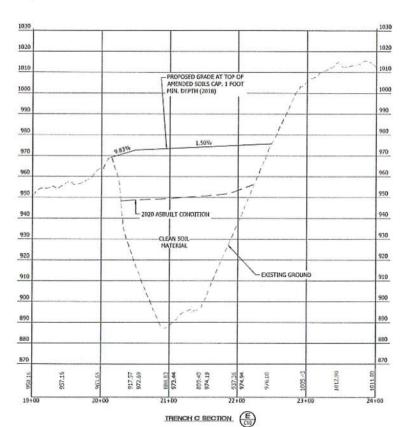
(BANK YARDS)

7,652 CY±\*

\*ASSUMING 1' DEPTH







APPROVED

SUBJECT TO

PERMIT CONDITIONS

LAND USE SERVICES DIV.

HEVR	REVISION	DATE	BY
			L
INEERING			
CIVIL ENGINEEKS~SURVEYORS~LAND PLANNERS			
Phone: 257-857-5654 v. Fav. 253-509-0044 v. info@contractions			L

TRENCH FILLING

E E

S328

DUANE-2753 AFA GREEN

TRENCH FILLING

RAVENSDALE TRACT - C
RAVENSDALE TRENCH FILE
JENT: RAVENSDALE LLC

DESIGNER: J. JACOBY
ENGINEER: B. ALLEN
DRAWN. J. JACOBY
S. T. 21 NR 6E WM
DATE: 2020.07.28
REVISED:

PROJECT: 09-040 DWG NAME: 09-040-TRENCH-C

SHEET REV.

C11
11 OF 24

### GRAPHIC SCALE 1 INCH = 60 FEET (24"x36")

#### RAVENSDALE TRENCH FILLING

A PORTION OF THE EAST1/2 OF SECTION 1, TOWNSHIP 21 NORTH, RANGE 6 EAST W.M. KING COUNTY, WASHINGTON TRENCH - C

TRENCH C: SCALE: 1" = 60" HORIZONTAL 1" = 20" VERTICAL

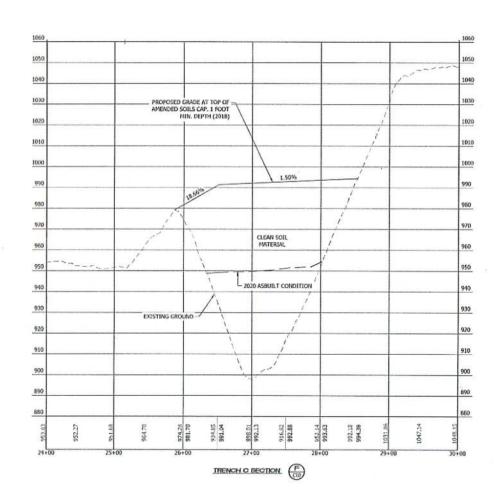
PROPOSED IMPORT QUANTITY: 353,397 CY±

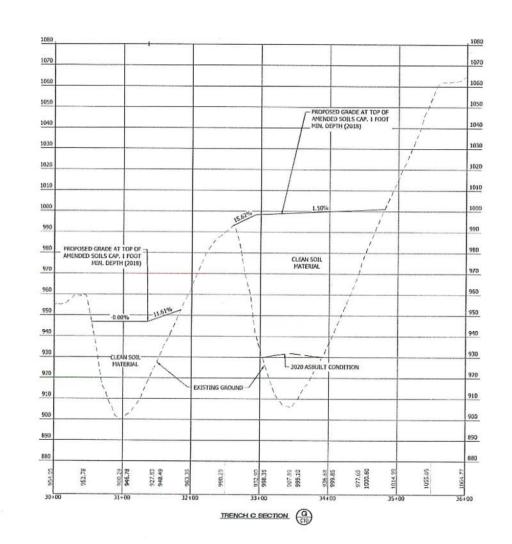
(BANK YARDS)

TOP SOIL:

7,652 CY±\*

\*ASSUMING 1' DEPTH





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HEETTIME: TRACT - C					REVISION	DESCRIPTION	DATE	84
RAVENSDALE TRENCH FILLING				5				
JENT: RAVENSDALE LLC 41306 90TH AVENUE E EATONVILLE, WA 98328	07.	Y. A.	CIVIL ENGINEERS	INEERING. L SURVEYORS~LAND PLANI	L C			
ONTACT: KURT ERICKSON	PHONE:(253) 606-6060 5	1	3309 56th Street NV Phone: 253-857-5454 ~ Fi	V, Suite 106 Glg Harbor, WA 98335 ax: 253-509-0044 ~ info@contourelled				

DESIGNER: J. JACOBY
ENGINEER: B. ALLEN
ORAWN, J. JACOBY
S 1 T 21 N R 6E WM
DATE 2020.07.28
REVISED.

12 OF 24

PROJECT: 09-040 DWG NAME: 09-046-TRENCH ( SHEET REV. C12

## GRAPHIC SCALE 0 60 126 1 INCH = 60 FEET (24"x36")

#### RAVENSDALE TRENCH FILLING

A PORTION OF THE EAST1/2 OF SECTION 1, TOWNSHIP 21 NORTH, RANGE 6 EAST W.M. KING COUNTY, WASHINGTON TRENCH - C

TRENCH C:

SCALE: 1' = 60' HORIZONTAL

1' = 20' VERTICAL

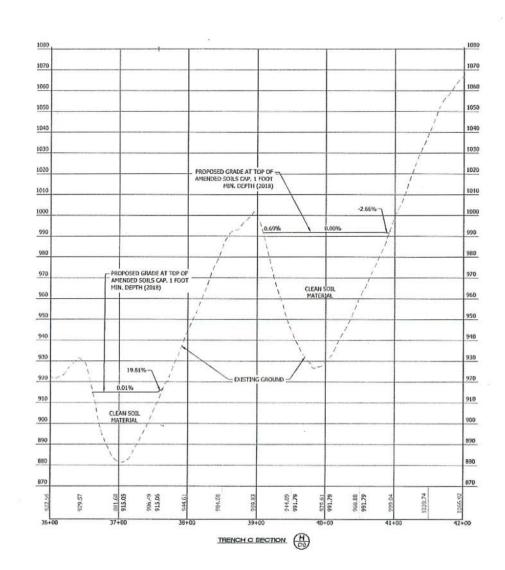
PROPOSED IMPORT QUANTITY: 353,397 CY±

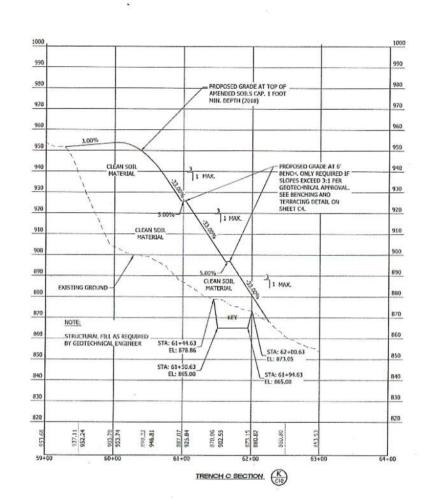
(BANK YARDS)

TOP SOIL:

\*ASSUMING 1' DEPTH

7,652 CY±\*





APPROVED

SUBJECT TO

PERMITICONDITIONS

TING COUNTY

AND USE SERVICES DIV.

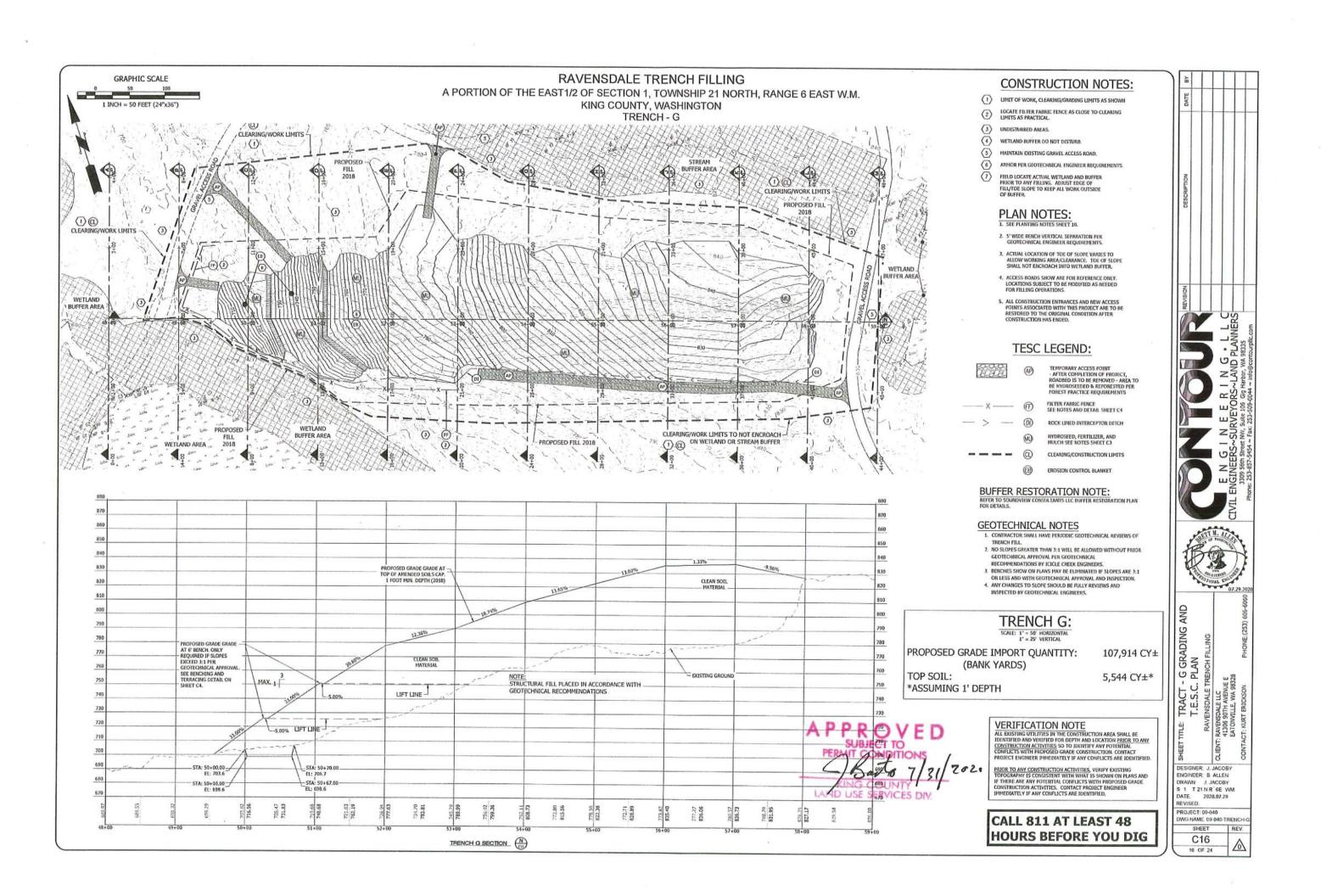
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	1 1 2 1 2 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1	CIVIL ENGINEERS S	SURVETURS~LAND PLANNERS	2			L
PHONE:(253) 606-6060		Phone: 253-857-5454 ~	Hone: 253-857-5454 v. Fav. 243-409-0044 v. Info@conte-conference				L

DESIGNER: B. ALLEN
DRAWN. J. JACOBY
S 1 T 21 NR 66 WM
DATE 2020.07.28
REVISED:
PROJECT: 09-040
DWG NAME 09-001 TRENCH C

SHEET REV.

13 OF 24

**A** 



# GRAPHIC SCALE 0 50 100 1 INCH = 50 FEET (24"x36") TREN SCALE: 1" = 5

## RAVENSDALE TRENCH FILLING

A PORTION OF THE EAST1/2 OF SECTION 1, TOWNSHIP 21 NORTH, RANGE 6 EAST W.M.
KING COUNTY, WASHINGTON
TRENCH - G

#### TRENCH G:

1" = 25" VERTICAL

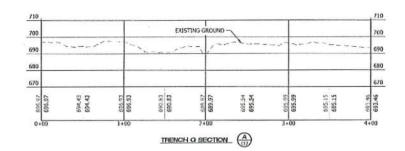
PROPOSED GRADE IMPORT QUANTITY: (BANK YARDS)

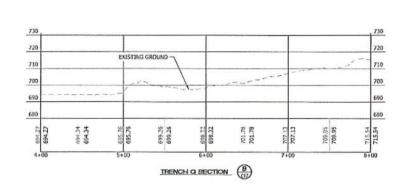
107,914 CY± 5,544 CY±\*

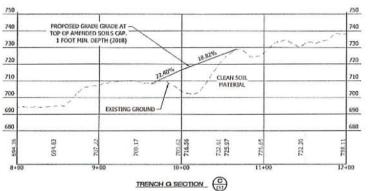
\*ASSUMING 1' DEPTH

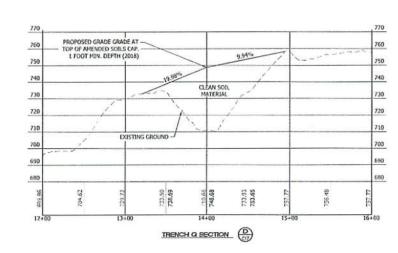
TOP SOIL:

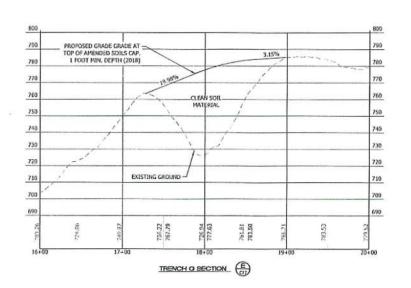
5,54

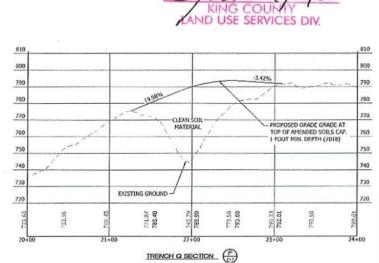














O - SOUTH PROPERTY NEW TOWNS CHARACTER

LIMBLECT RESTOR-GET GUNDASAEFGERMAST

PROJECT: 09-010
DWG NAME 09 040 TRENCH O
SHEET REV.
C17
17 OF 24

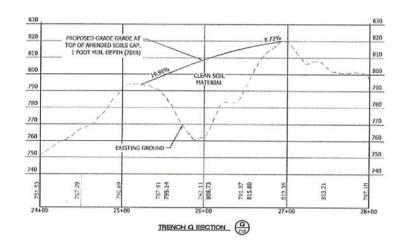
# GRAPHIC SCALE 50 100 1 INCH = 50 FEET (24"x36") TRENCH G: SCALE: 1" = 50" HORIZONTAL 1" = 25" VERTICAL PROPOSED GRADE IMPORT QUANTITY: 107,914 CY±

(BANK YARDS)

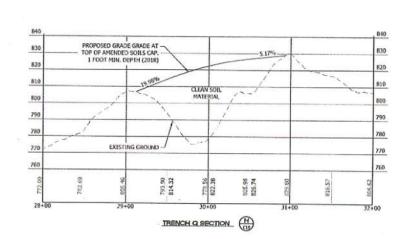
TOP SOIL:

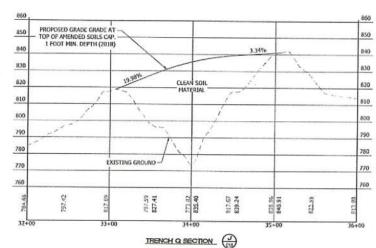
\*ASSUMING 1' DEPTH

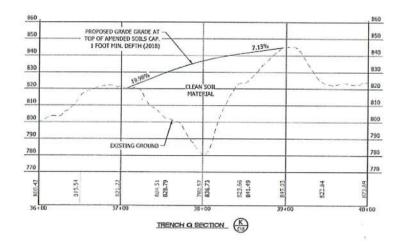
## RAVENSDALE TRENCH FILLING A PORTION OF THE EAST1/2 OF SECTION 1, TOWNSHIP 21 NORTH, RANGE 6 EAST W.M. KING COUNTY, WASHINGTON TRENCH - G

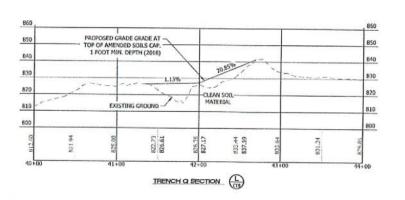


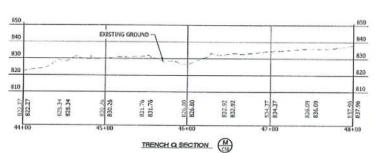
5,544 CY±\*









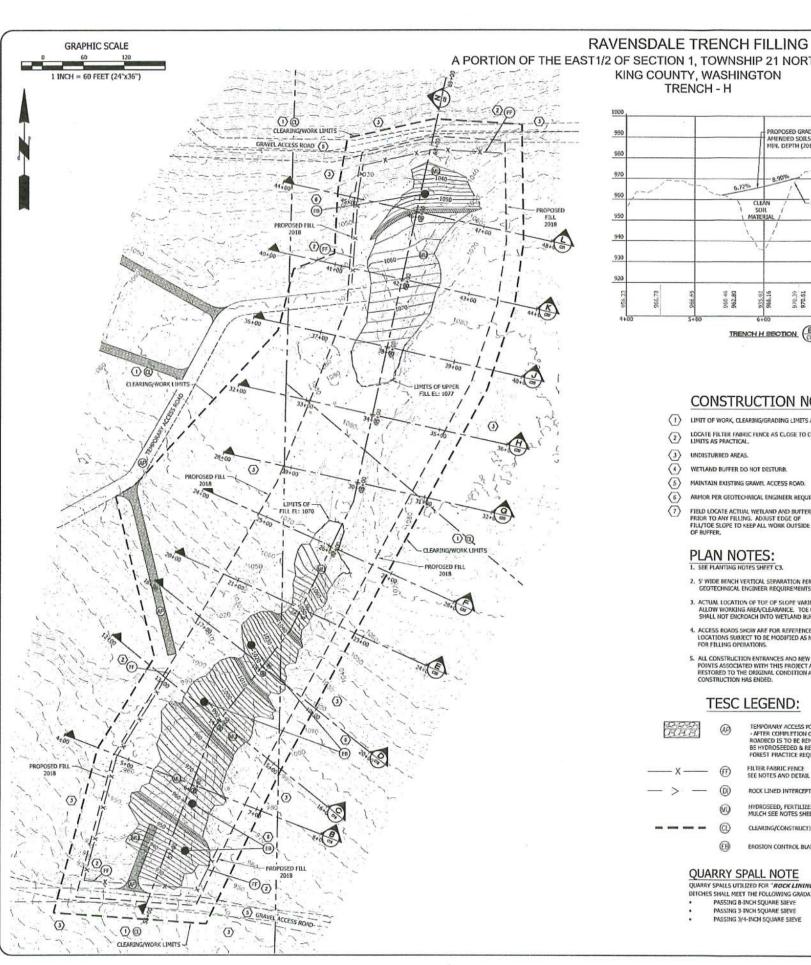




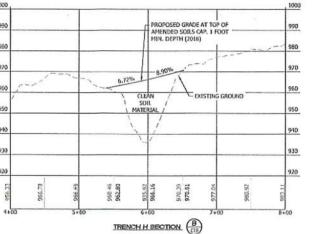
A STATE OF S

DESIGNER: J. JACOBY ENGINEER: B. ALLEN DRAWN: J. JACOBY S 1 T 21 NR 6E WM DATE 2020.07.28 REVISED: PROJECT: 09-040 DWG NAME: 09-040 TRENCH C

SHEET REV.
C18
18 OF 24



A PORTION OF THE EAST1/2 OF SECTION 1, TOWNSHIP 21 NORTH, RANGE 6 EAST W.M. KING COUNTY, WASHINGTON



# AMENDED SOILS CAP, 1 FOOT MIN. DEPTH (2018) 982.42 TRENCH H SECTION (C)

#### CONSTRUCTION NOTES:

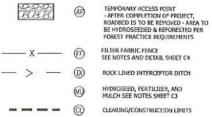
- 1) LIMIT OF WORK, CLEARING/GRADING LIMITS AS SHOWN
- LOCATE FILTER FABRIC FENCE AS CLOSE TO CLEARING LIMITS AS PRACTICAL.
- UNDISTURBED AREAS
- WETLAND BUFFER DO NOT DISTURB.
- MAINTAIN EXISTING GRAVEL ACCESS ROAD.
- ARMOR PER GEOTECHNICAL ENGINEER REQUIREMENTS.
- FIELD LOCATE ACTUAL WETLAND AND BUFFER PRIOR TO ANY FILLING. ADJUST EDGE OF FILL/TOE SLOPE TO KEEP ALL WORK OUTSIDE OF BUFFER.

#### PLAN NOTES:

1. SEE PLANTING NOTES SHEET CT.

- 5' WIDE BENCH VERTICAL SEPARATION PER GEOTECHNICAL ENGINEER REQUIREMENTS.
- 3. ACTUAL LOCATION OF TOE OF SLOPE VARIES TO ALLOW WORKING AREA/CLEARANCE. TOE OF SLOPE SHALL NOT ENCROACH INTO WETLAND BUFFER,
- 4. ACCESS ROADS SHOW ARE FOR REFERENCE ONLY. LOCATIONS SUBJECT TO BE MODIFIED AS NEEDED FOR FILLING OPERATIONS.
- ALL CONSTRUCTION ENTRANCES AND NEW ACCESS POINTS ASSOCIATED WITH THIS PROJECT ARE TO BE RESTORED TO THE ORGINAL CONDITION AFTER CONSTRUCTION HAS ENDED.

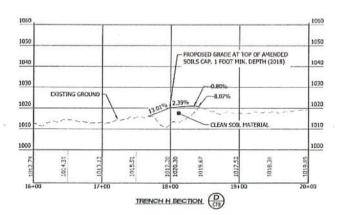
#### **TESC LEGEND:**



#### QUARRY SPALL NOTE

DITCHES SHALL MEET THE FOLLOWING GRADATION:

- PASSING 8-INCH SQUARE SIEVE
- PASSING 3-INCH SQUARE SIEVE
- PASSING 3/4-INCH SQUARE SIEVE



## TRENCH H:

PROPOSED IMPORT QUANTITY: 21,196 CY± (BANK YARDS)

TOP SOIL: \*ASSUMING 1' DEPTH

2,916 CY±\*

#### GEOTECHNICAL NOTES

- 1. CONTRACTOR SHALL HAVE PERIODIC GEOTECHNICAL REVIEWS OF
- 2. NO SLOPES GREATER THAN 3:1 WILL BE ALLOWED WITHOUT PRIOR GEOTECHNICAL APPROVAL PER GEOTECHNICAL RECOMMENDATIONS BY ICICLE CREEK ENGINEERS
- 3. BENCHES SHOW ON PLANS MAY BE ELIMINATED IF SLOPES ARE 3:1
- OR LESS AND WITH GEOTECHNICAL APPROVAL AND INSPECTION.

  4. ANY CHANGES TO SLOPE SHOULD BE FULLY REVIEWS AND
- INSPECTED BY GEOTECHNICAL ENGINEERS.

#### **VERIFICATION NOTE**

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

CALL 811 AT LEAST 48 **HOURS BEFORE YOU DIG** 

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DESIGNER: J. JACOBY INGINEER: B. ALLEN DRAWN. J. JACOBY S 1 T 21 NR 6E WM DATE: 2020.07.28

REVISED PROJECT: 09-040 DWG NAME 09 040 TRENCH

SHEET REV. C19 

## GRAPHIC SCALE 1 INCH = 60 FEET (24"x36")

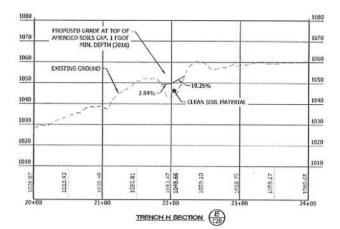
#### RAVENSDALE TRENCH FILLING A PORTION OF THE EAST1/2 OF SECTION 1, TOWNSHIP 21 NORTH, RANGE 6 EAST W.M. KING COUNTY, WASHINGTON TRENCH - H

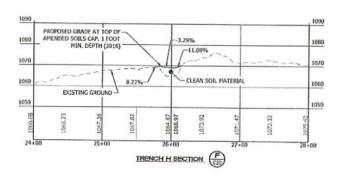
TRENCH H:

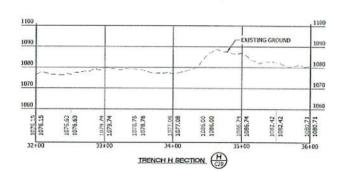
PROPOSED IMPORT QUANTITY: 21,196 CY± (BANK YARDS)

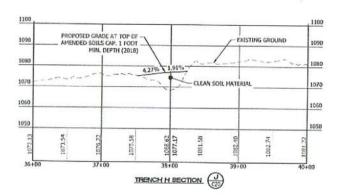
2,916 CY±\*

TOP SOIL: \*ASSUMING 1' DEPTH

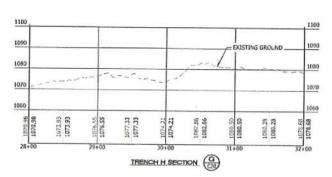


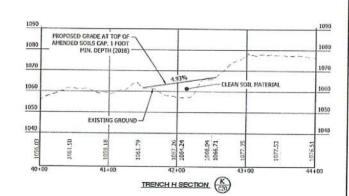












VERIFICATION NOTE

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IDENTIFIED AND VERIFIED FOR DEPTH AND LOCATION PRIOR TO MAY
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CONFLICTS WITH PROPOSED CONSTRUCTION, CONTACT PROJECT
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DESIGNER: J. JACOBY ENGINEER: B. ALLEN DRAWN. J. JACOBY S 1 T 21 N R 6E WM DATE: 2020.07.28 REVISED.

PROJECT: 09-010 DWG NAME 09 040 TRENCH I

SHEET REV. C20 20 OF 24

### GRAPHIC SCALE 1 INCH = 60 FEET (24"x36")

#### RAVENSDALE TRENCH FILLING

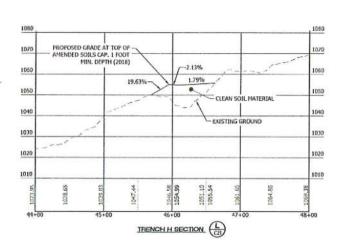
A PORTION OF THE EAST1/2 OF SECTION 1, TOWNSHIP 21 NORTH, RANGE 6 EAST W.M. KING COUNTY, WASHINGTON TRENCH - H

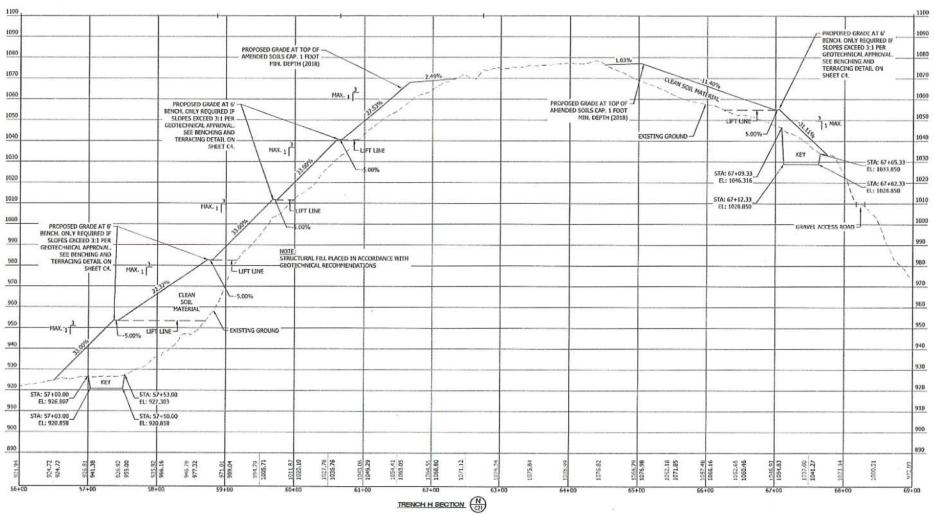
#### TRENCH H: SCALE: 1" = 60' HORIZONTAL 1" = 20' VERTICAL PROPOSED IMPORT QUANTITY: 21,196 CY± (BANK YARDS)

2,916 CY±\*

TOP SOIL:

\*ASSUMING 1' DEPTH





VERIFICATION NOTE

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CONSTRUCT WITH PROPOSED CONSTRUCTION, CONTACT PRODECT
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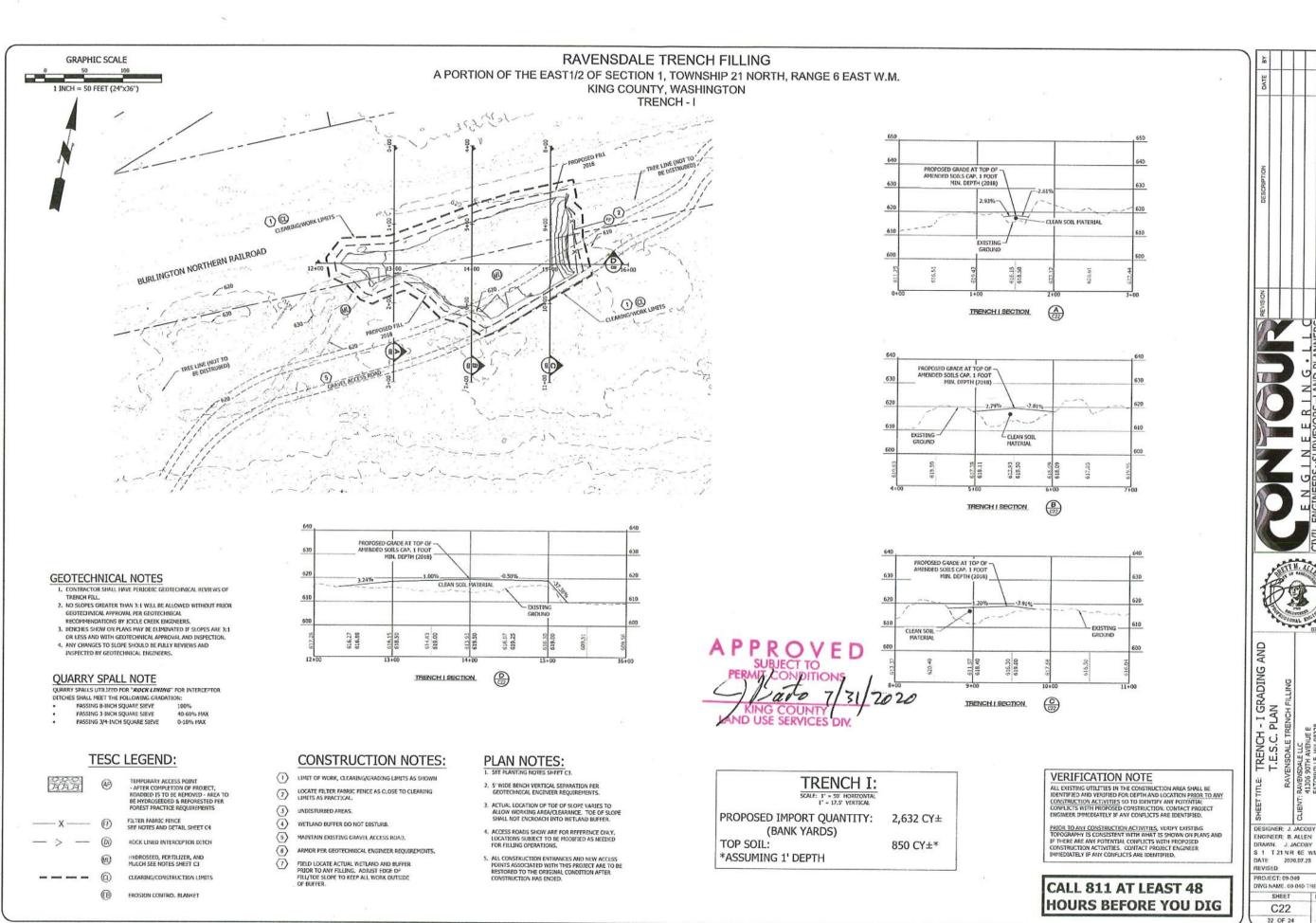
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**CALL 811 AT LEAST 48 HOURS BEFORE YOU DIG** 

DESIGNER: J. JACOBY ENGINEER: B. ALLEN DRAWN; J. JACOBY S 1 T 21 NR 6E WM DATE 2020.07.28

PROJECT: 09-040 DWG NAME: 09-040-TRENCH H SHEET

REV. C21 21 OF 24



REV.

6-10/17 HASTERMANCE SACROLES TO -10/12/F TJ3.094/1

