Go East Landfill Closure Construction Quality Assurance Report

Appendix O
As-Built/Record Drawings
PACE Engineers, Inc., Rev. June 8. 2022



LAND DISTURBANCE ACTIVITY - LDA #1
JUNE 1, 2022

- AS-BUILT FOR LANDFILL CLOSURE ONLY

DEVELOPMENT DATA:

OWNER/APPLICANT:

P&GE LLC 11255 KIRKLAND WAY, SUITE 300 KIRKLAND, WA 98033 425.827.2014 GARY@GARYEASTLAW.COM

ENGINEER/CONTACT:

MARTYP@PACEENGRS.COM

PACE ENGINEERS, INC
MARTY PENHALLEGON, P.E.
11255 KIRKLAND WAY, SUITE 300
KIRKLAND, WA 98033
425.827.2014
MARTYP@PACEENGRS.COM

LANDSCAPE ARCHITECT:

PACE ENGINEERS, INC
V. BRIAN WAY, PLA
11255 KIRKLAND WAY, SUITE 300
KIRKLAND, WA 98033
425.827.2014

SENSITIVE AREAS CONSULTANT:

WETLAND RESOURCES, INC SCOTT BRAINARD 9505 19TH AVE SE EVERETT, WA 98208 425.337.3174

BRIANW@PACEENGRS.COM

SURVEYOR:

PACE ENGINEERS, INC
AARON BLAISDELL, PLS
11255 KIRKLAND WAY, SUITE 300
KIRKLAND, WA 98033
425.827.2014
DAVIDF@PACEENGRS.COM

GEOTECHNICAL:

GEOENGINEERS
BOB METCALFE, PE, LEG
17425 NE UNION HILL ROAD
REDMOND, WA 98052
425.861.6000

TRAFFIC:

GIBSON TRAFFIC CONSULTANTS, INC.
MATT PALMER, P.E.
2813 ROCKEFELLER AVE., SUITE B
EVERETT, WA 98201
425.339.8266
MATTP@GIBSONTRAFFIC.COM

CERTIFIED EROSION AND SEDIMENT CONTROL LEAD:

PACE ENGINEERS, INC
JAY PULLEN, ECO-3-4241709
11255 KIRKLAND WAY, SUITE 300
KIRKLAND, WA 98033
425.827.2014
MICHAELM@PACEENGRS.COM

SITE INFORMATION:

ADDRESS:

4330 108TH STREET SE EVERETT, WA 98208

DATUM:

HORIZONTAL DATUM: NAD83/91 PER W.S.D.O.T. CONTROL POINTS NO. GP31009-98, GP31005-88 AND GP31005-87 AND SNOHOMISH COUNTY CONTROL POINTS NO. 2805P09 AND 2805R11.

VERTICAL DATUM: NAVD 88 PER SNOHOMISH COUNTY AND W.S.D.O.T. CONTROL POINTS LISTED ABOVE.

TAX PARCEL NUMBERS:

2805210040-0200 ±1,781,717 SQUARE FEET (±40.9026 ACRES)

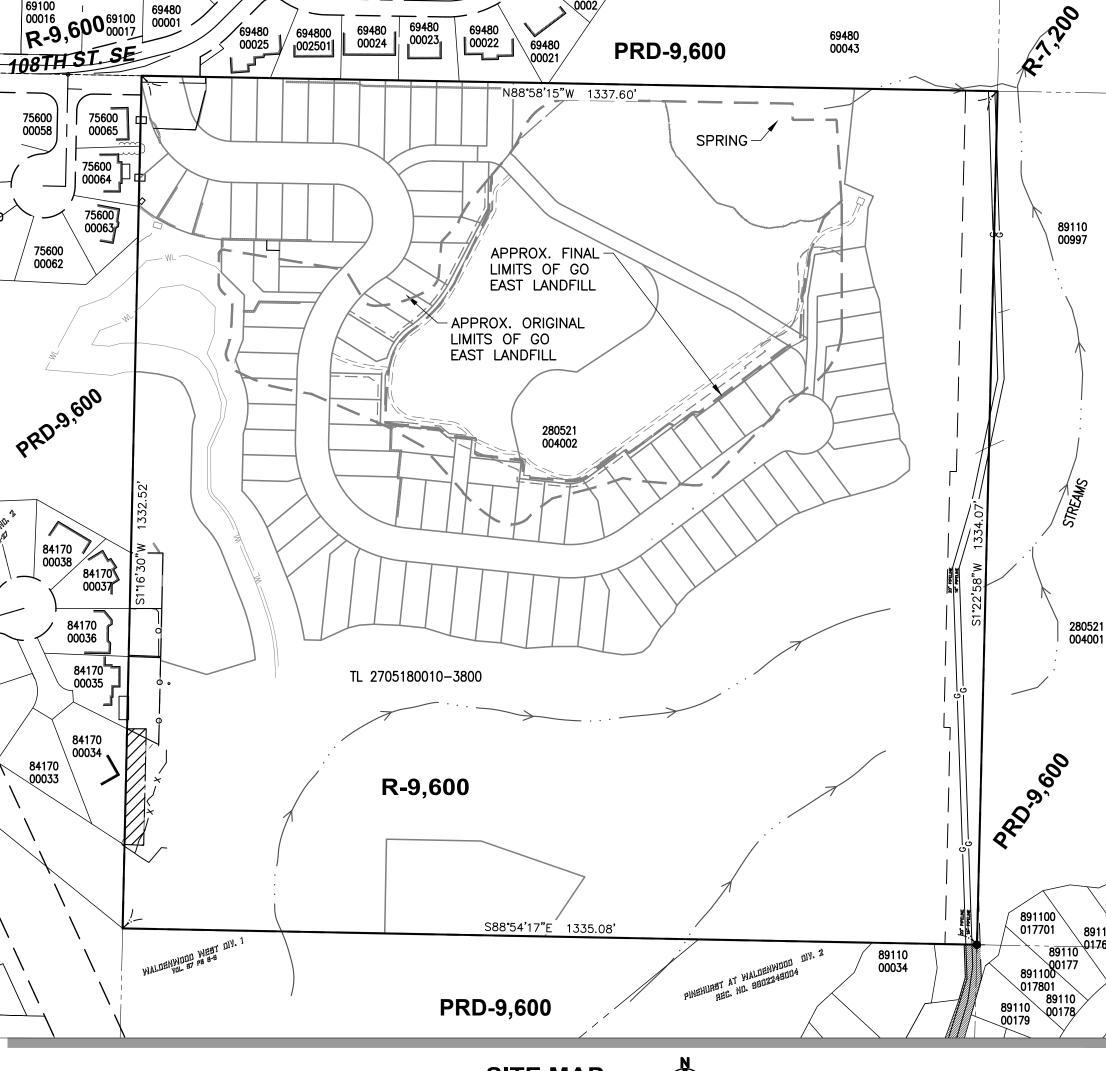
ZONING:

R-9,600

RECORD LEGAL DESCRIPTION

NORTHWEST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 21, TOWNSHIP 28 NORTH, RANGE 5 EAST, W.M., RECORDS OF SNOHOMISH COUNTY, WASHINGTON.

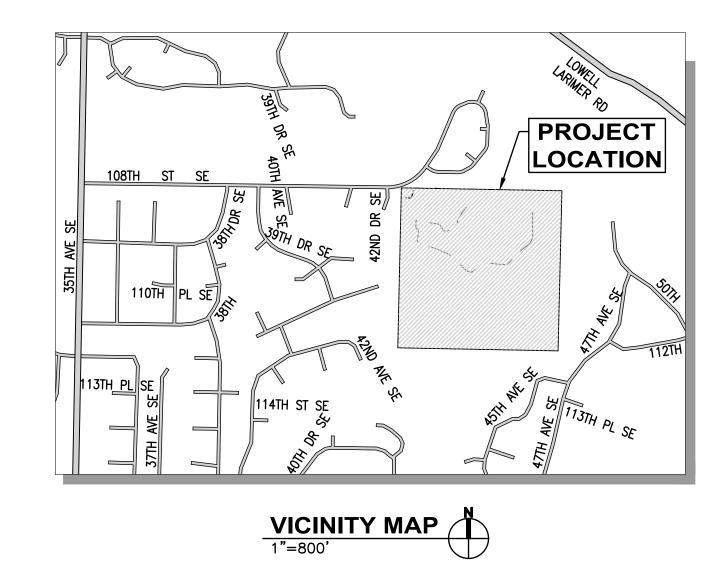
SITUATE IN THE COUNTY OF SNOHOMISH, STATE OF WASHINGTON.



SITE MAP

NOTE:

PROPERTY OUTSIDE FEMA FLOOD PLAIN



Sheet List Table - LFC AS-BUILTS *						
Sheet Title						
Closure Plans						
COVER SHEET						
EXISTING CONDITIONS - DELETED						
EXISTING CONDITIONS - DELETED						
GRADING & DRAINAGE PLAN						
GRADING MATRIX PLAN & QUANTITIES — DELETED						
CROSS SECTIONS						
DETAILS						
DETAILS						
DETAILS						
DETAILS						
NOTES						
GENERAL NOTES						
COMPOSITE UTILITY PLAN						
STORM DRAIN PROFILES — DELETED						
STORM DRAIN PROFILES — DELETED						
POND DETAIL SHEET - LDA #1 DETAILS - DELETED						
STORM DETAILS AND SPECIFICATIONS						
TEMPORARY EROSION & SEDIMENT CONTROL PLAN - DELETED						
TEMPORARY EROSION & SEDIMENT CONTROL DETAILS - DELETED						
TEMPORARY EROSION & SEDIMENT CONTROL DETAILS - DELETED						
STREAM PLAN & PROFILE — DELETED						
WALL GRADING PLAN - DELETED						
WALL GRADING PLAN - DELETED						
LANDSCAPE PLAN — DELETED						
LANDSCAPE DETAILS - DELETED						
MITIGATION PLAN (WRI, SHEET 1 OF 2) — DELETED						
MITIGATION PLAN (WRI, SHEET 2 OF 2) — DELETED						
WALL DETAILS (TERRA ASSOCIATES, INC.) — DELETED						

CALL BEFORE
YOU DIG 811
UNDERGROUND SERVICE (USA)

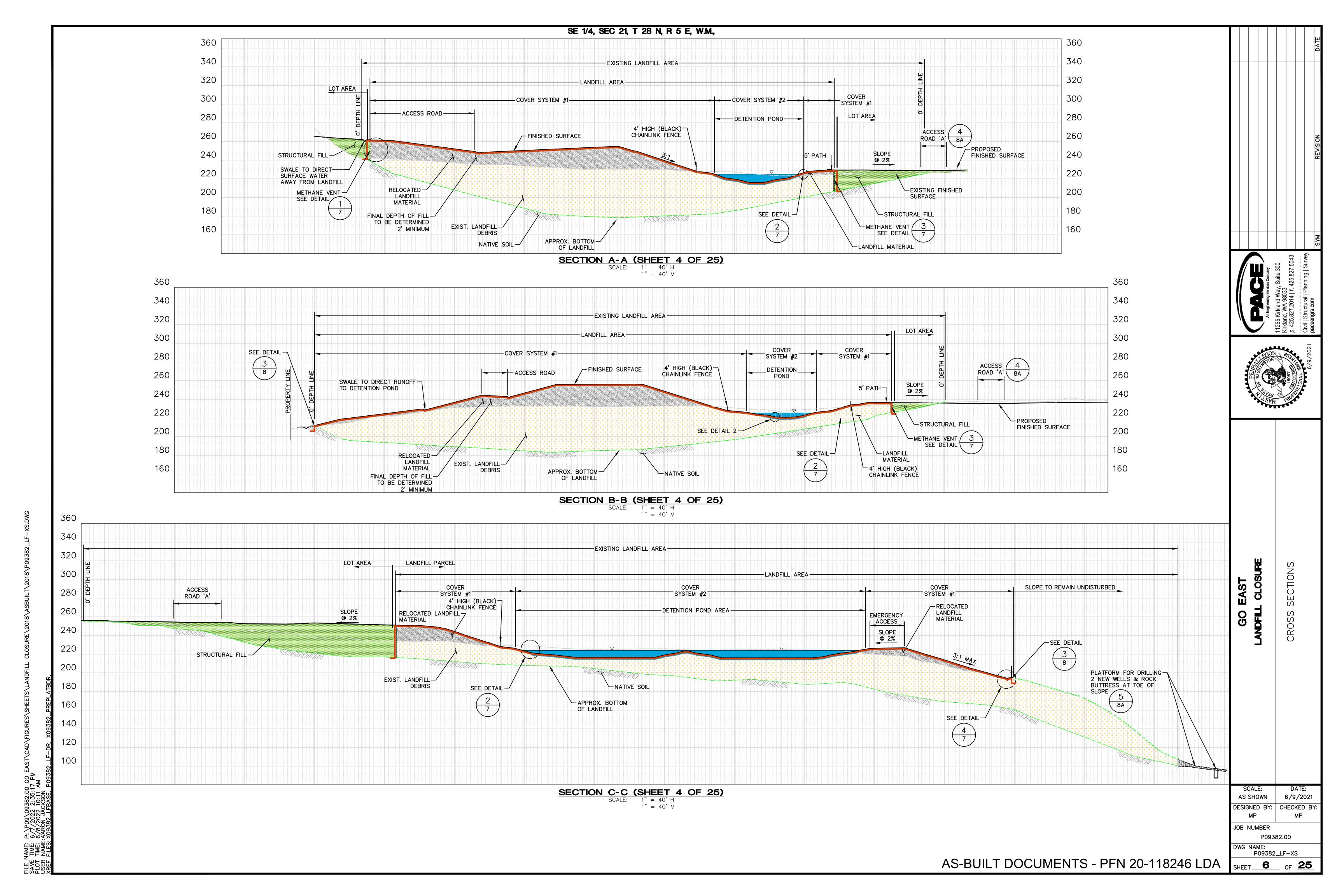
VERIFY SCALE

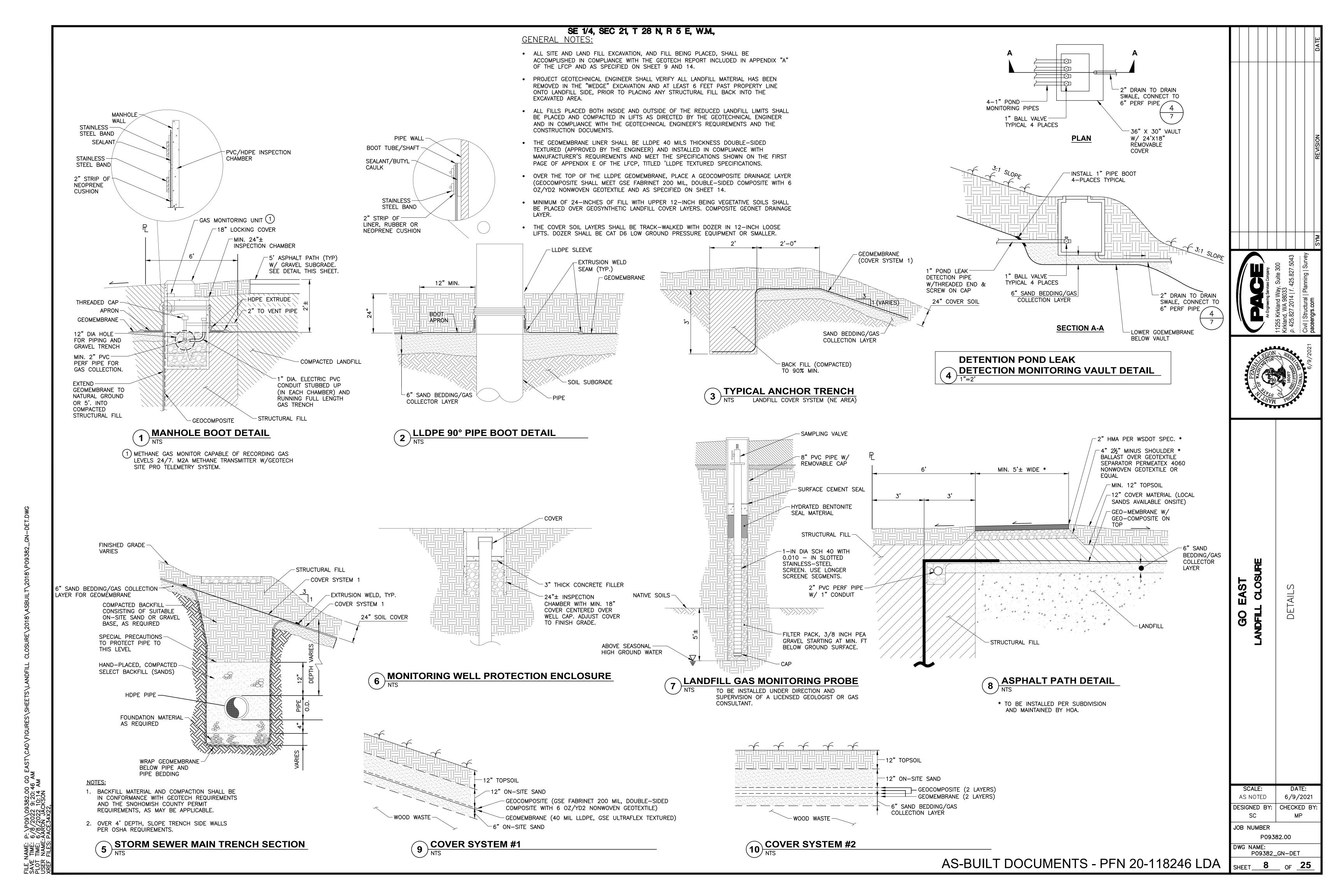
BAR IS ONE INCH
ON ORIGINAL DRAWING
0 1"
IF NOT ONE INCH ON
THIS SHEET, ADJUST
SCALES ACCORDINGLY.

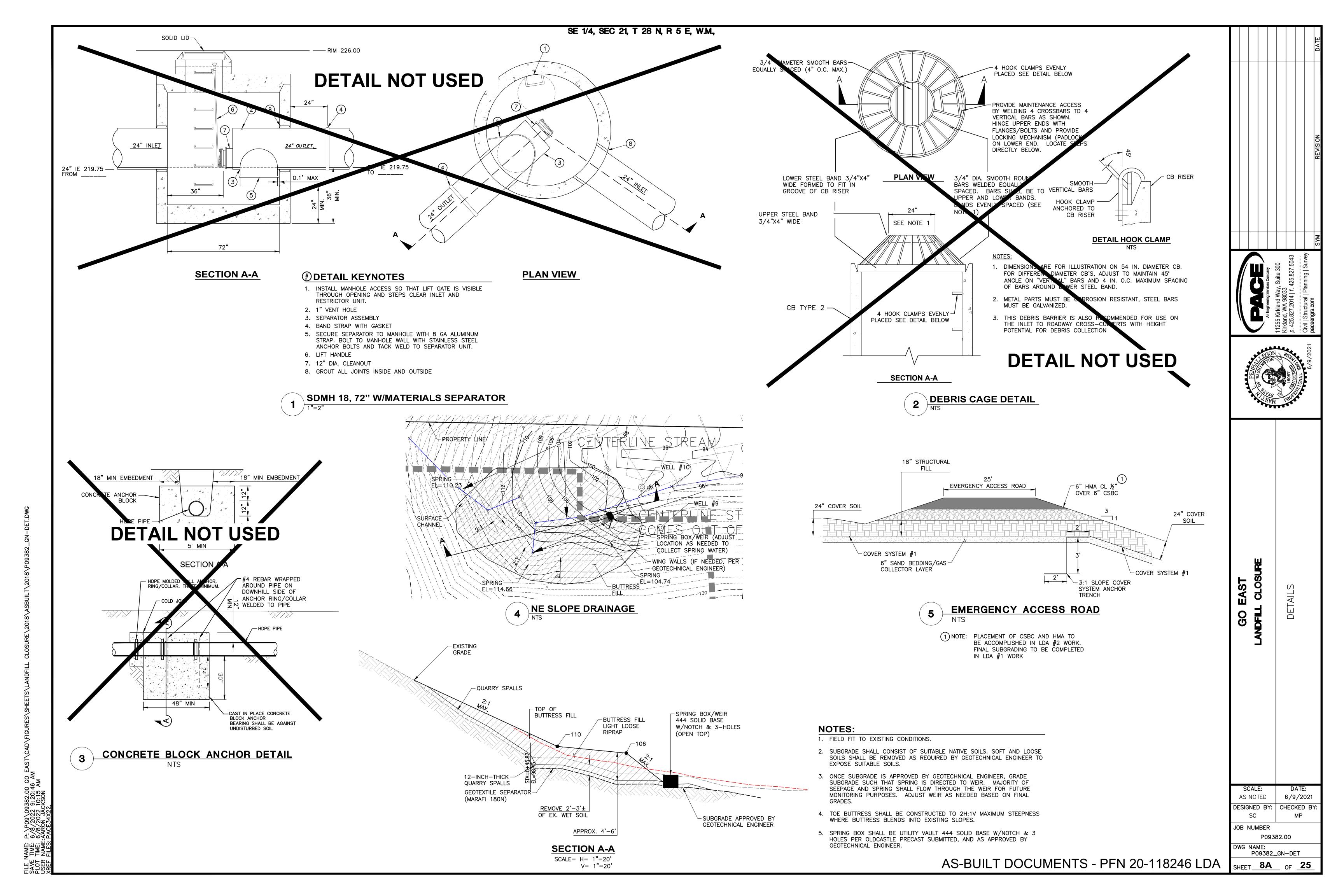
* NOTE: CERTAIN SHEETS NOT PART OF THE LANDFILL CLOSURE HAVE BEEN DELETED FROM THIS SET.

6/9/2021 CHECKED BY: DESIGNED BY: JOB NUMBER

ME: P:\P09\09382.00 GO EAST\CAD\FIGURES\SHEETS\LANDFILL CLOSURE\2018\ASBUILT\2018\P09382_LF—DR.DWG ME: 6/8/2022 10:06:39 AM ME: 6/8/2022 10:09 AM







ITEM	OFFSITE HAZARDOUS WASTE DISPOSAL	OFFSITE NON-HAZARDOUS WASTE DISPOSAL	ONSITE LANDFILL	ONSITE FILL OUTSIDE OF LANDFILL
CARPET, FOAM, INSULATION		X		
TIRES		X		
CONFIRMED FRIABLE ASBESTOS—CONTAINING MATERIAL		X (AUTHORIZED ASBESTOS FACILITY)		
CONFIRMED NONFRIABLE ASBESTOS—CONTAINING MATERIAL			X	
CONFIRMED LEAD-BASED PAINT THAT FAILS TCLP	X			
CONFIRMED LEAD—BASED PAINT THAT PASSES TCLP		X		
LOGGED TREES AND BRANCHES (NON-CHIPPED)		×		
CHIPPED TREE BRANCHES, LIMBS				X
CONFIRMED OTHER HAZARDOUS WASTE	X			
SEPARATED/TESTED SAND OR SOIL THAT PASSES TCLP/MTCA			X	
SEPARATED/TESTED SAND OR SOIL THAT FAILS MTCA BUT PASSES TCLP			X	
SEPARATED/TESTED SAND OR SOIL THAT FAILS TCLP	X			
EXCAVATED LANDFILL MATERIAL THAT FAILS MTCA BUT PASSES TCLP			X	
INORGANICS SUCH AS CONCRETE, BRICKS, GRAVEL ROCKS, GLASS, ASPHALT, CINDER BLOCKS			X	
EXCAVATED WOOD, RR TIES, BURNT WOOD, LUMBER WITH NO PRESERVATIVES, CARDBOARD			X	
PLASTICS, WIRE, PVC PIPE, METAL, DEMOLITION WASTE, LINOLEUM			X	
ORGANICS, GENERAL REFUSE, FABRIC		Х		

NOTES: MICA (MODEL TOXICS CONTROL ACT) VALUES AND TCLP (TOXICITY CHARACTERISTIC LEACHING PROCEDURE) VALUES ARE SET FORTH IN TABLE G.4 RECOMMENDED PARAMETERS AND SUGGESTED VALUES FOR DETERMINING REUSE AND DISPOSAL OPTIONS FOR LANDFILL MATERIAL. THESE CAN BE FOUND ON PAGE 29 OF 60 OF THE "GO EAST LANDFILL CLOSURE PLAN".

THE PUGEST SOUND CLEAN AIR AGENCY DEFINES "ASBESTOS—CONTAINING MATERIAL" AS ANY MATERIAL CONTAINING MORE THAT 1 PERCENT ASBESTOS, AND "FRIABLE ASBESTOS-CONTAINING MATERIAL" AS ASBESTOS-CONTAINING MATERIAL THAT, WHEN DRY, CAN BE CRUMBLED, PULVERIZED, OR REDUCED TO POWDER BY HAND PRESSURE OR BY THE FORCES EXPECTED TO ACT UPON THE MATERIAL IN THE COURSE OF DEMOLITION, RENOVATION, OR DISPOSAL

THE U.S. ENVIRONMENTAL PROTECTION AGENCY DEFINES "LEAD-BASED PAINT" AS PAINT THAT CONTAINS AT LEAST 1 MILLIGRAM OF LEAD PER SQUARE CENTIMETER OR THAT HAS A LEAD CONCENTRATION OF AT LEAST 0.5 PERCENT.

LOT EXPLORATION PLAN (OUTSIDE LANDFILL AREA)**

- THE FOLLOWING REPRESENTS A TEST PIT SAMPLING AND OBSERVATION PLAN INTENDED TO COMPLY WITH THE SNOHOMISH COUNTY HEARING EXAMINER'S REQUIREMENTS FOR RESIDENTIAL LOT AREAS OF THE BAKERVIEW PLAT.
- THIS PLAN AND ITS EXECUTION SHALL BE OVERSEEN AND VERIFIED BY THE FOLLOWING: PROPERTY OWNER, SNOHOMISH COUNTY HEALTH DISTRICT REPRESENTATIVE, PDS REPRESENTATIVE, AND PROJECT CQA ENGINEER/PROFESSIONAL (WHO SHALL BE RESPONSIBLE TO COMPILE AND DOCUMENT EXECUTION OF THE PLAN).
- ALL LANDFILL MATERIAL LYING OUTSIDE THE RECONFIGURED LANDFILL LIMITS AND INCLUDING ANY LOT AREAS, STREET RIGHT-OF-WAYS, AND OTHER USE AREAS LIKE SEWER PUMP STATION SITE, ACCESS TO LANDFILL AREA, IS TO BE COMPLETELY REMOVED AND RELOCATED TO THE RECONFIGURED AND REDUCED LANDFILL LIMITS.
- 4. EXCAVATED AREAS LYING OUTSIDE EXISTING LANDFILL LIMITS, SHALL HAVE ALL EXCAVATION OBSERVED BY GEOTECHNICAL ENGINEER AND IF ANY LANDFILL MATERIALS ARE FOUND (EXCAVATED), IT SHALL BE RELOCATED AS APPROPRIATE EITHER TO THE RECONFIGURED LANDFILL PROPER OR OFFSITE AS DETERMINED APPROPRIATE. THE FINISH GRADE OF ALL EXCAVATED AREAS SHALL BE WALKED AND VERIFIED THAT NO LANDFILL MATERIAL REMAINS.
- "WEDGE AREA" SHALL BE FILLED TO AT LEAST 6 FEET INSIDE OF LANDFILL BOUNDARY WITH EXCAVATED ON-SITE MATERIAL FROM OUTSIDE THE LANDFILL (MATERIAL FROM ITEM 4 ABOVE) AND COMPACTED IN CONFORMANCE TO STRUCTURAL FILL SPECIFICATIONS.
- THE REMAINING AREAS OUTSIDE THE LANDFILL AREA THAT ARE TO BE LEFT UNGRADED OR FILLED. SHALL BE SCARIFIED TO A DEPTH OF 12-INCHES TO VERIFY NO HIDDEN OR BURIED LANDFILL MATERIAL REMAIN PRIOR TO FILLING OR RECOMPACTING THE TOP 12-INCHES, ADDITIONAL POT HOLING SHALL BE ACCOMPLISHED AS DETERMINED NECESSARY TO VERIFY NO LANDFILL MATERIAL REMAINS.
- 7. ALL OF THE ABOVE SEQUENCE SHALL BE OBSERVED BY PARTIES DESCRIBED IN NOTE 2 ABOVE. A FORMAL REPORT SHALL BE COMPILED AND PREPARED BY THE CQA ENGINEER/PROFESSIONAL AND SUBMITTED TO SHD AND PDS FOR REVIEW AND CONCURRENCE.

SE 1/4, SEC 21, T 28 N, R 5 E, W.M.,

LANDFILL CLOSURE PLAN (LFCP) REQUIREMENTS AND RECOMMENDATIONS NOTES FOR LAND DISTURBING ACTIVITY (LDA) PERMIT***

NOTE: THESE REQUIREMENTS PERTAIN ONLY TO THE CLOSURE ACTIVITY RELATED TO THE GO-EAST LANDFILL CLOSURE AND NOT BAKERVIEW PLAT WORK.

- 1. PRIOR TO LANDFILL CLOSURE ACTIVITY, CONDUCT NECESSARY TESTING PER SECTION 3.6.2 OF THE LFCP. IT INCLUDES SAMPLES TAKEN FOR EVERY 500 CUBIC YARDS FOR FIRST 2500 CUBIC YARDS AND EVERY 2500 CUBIC YARDS THEREAFTER. FOR AN ESTIMATED 50,000 CUBIC YARDS OF LANDFILL MATERIAL BEING RELOCATED THIS RESULTS IN ABOUT 25 TEST SAMPLES. REFER TO TABLE G.4 OF THE LFCP FOR TESTING REQUIREMENTS. NO LANDFILL EXCAVATED MATERIAL IS TO BE PERMANENTLY LOCATED OR PLACED OUTSIDE THE CLOSED LANDFILL LIMIT.
- 2. IN CONCERT WITH ITEM 1 ABOVE CONDUCT ADDITIONAL EXPLORATIONS ALONG THE EXPECTED "CATCH POINT" (EXTENT OF EXCAVATION) FOR LANDFILL EXCAVATION TO CONFIRM DEPTH AND EXTENT OF LANDFILL RELOCATION AS DETERMINED NECESSARY. (IF SIGNIFICANTLY DIFFERENT THAN SHOWN, CONTACT ENGINEER.)
- ARRANGE TO CONSTRUCT ONE FIRE HYDRANT AND A METERED HOSE BIB WITH REQUIRED BACKFLOW PREVENTION ON SITE TO BE USED FOR LANDFILL CLOSURE ACTIVITY. ARRANGE AS REQUIRED WITH SILVER LAKE WATER DISTRICT. NOTE: THIS SERVICE IS TO BE USED FOR FILLING WATER TRUCKS, DUST CONTROL AND OTHER LANDFILL CLOSURE NEEDS.
- MOVE IN AND ESTABLISH ON-SITE JOB TRAILER TO HOUSE WEEKLY COORDINATION MEETINGS WITH OWNER, CONTRACTOR, COUNTY AND SNOHOMISH HEALTH DISTRICT. MAINTAIN PERMIT DOCUMENTS, LFCP, AND MEETING MINUTES ON SITE IN JOB TRAILER.
- NOTE: MITIGATION REQUIREMENTS FOR DUST, NOISE AND TRAFFIC AS RELATED TO THE LANDFILL CLOSURE ACTIVITIES AS DETAILED IN THE LFCP AND SPECIFICALLY NOTED ON PAGES 5 THROUGH 7 OF 60. ALSO ADDITIONAL MITIGATION REQUIREMENT RELATED TO TRAFFIC AND STREET USE PERMIT ON PAGES 9 AND 10 OF 60 OF THE LFCP.
- IMPLEMENT A NOISE CONTROL PLAN (NCP) AS DESCRIBED BELOW:
 - a. MEASURING NOISE LEVELS AT THE PROPERTY BOUNDARY TO DETERMINE THE ACTUAL EFFECTS OF THE CONSTRUCTION EQUIPMENT AND OPERATING SCHEDULE IF COMPLAINTS ARE RECEIVED.
 - USING EQUIPMENT SUITABLE FOR THE JOB THAT ISN'T OVER OR UNDER POWERED.
- c. WHENEVER POSSIBLE, USING THE QUIETEST EQUIPMENT ALTERNATIVE.
- d. SCHEDULING LOUDER OR IMPULSIVE NOISE SOURCES DURING MID-DAY HOURS ONLY.
- e. LOCATING EQUIPMENT TO POSITION PROMINENT NOISE SOURCES AWAY FROM THE PROPERTY BOUNDARY TO THE EXTENT PRACTICAL.
- f. LIMITING THE USE OF BACK UP BEEPERS THROUGH TRUCK/EQUIPMENT ROUTING OR THE USE OF FLAGMEN.
- g. USING A SOUND LEVEL METER TO DETERMINE IF THE PROJECT NOISE LEVELS (FOR THE LANDFILL CLOSURE ACTIVITIES) ARE APPROACHING LIMITS, IF CONSTRUCTION ACTIVITIES NEED TO BE PERFORMED IN CLOSE PROXIMITY TO RESIDENCES.
- USING BEST MANAGEMENT PRACTICES SUCH AS ENHANCED MUFFLER SYSTEMS AND SOUND BARRIERS TO PREVENT EXCEEDANCES IF CONSTRUCTION NOISE IS APPROACHING UNACCEPTABLE LEVELS.
- 7. AS ADDITIONAL MITIGATION ENFORCE REDUCED VEHICLE SPEED REQUIREMENTS OF 15 MPH, AND HIGH WIND SPEED CLOSURES REQUIREMENTS DURING HANDING AND RELOCATING THE LANDFILL MATERIALS. THE CONSTRUCTION MANAGER SHALL PROVIDE TRAINING AND REGULAR DEBRIEFINGS FROM CREWS ON THE IMPORTANCE OF IMPLEMENTING AND MAINTAINING FUGITIVE DUST CONTROL MEASURES. THIS INCLUDES THE IMPORTANCE OF ONGOING OBSERVATIONS TO DETERMINE IF CONDITIONS HAVE DETERIORATED OR A MITIGATION MEASURES IS INEFFECTIVE OR NOT BEING USED PROPERLY. ONSITE WORKERS SHOULD CONDUCT A DAILY INSPECTION TO ENSURE THAT MITIGATION MEASURES ARE REMAINING EFFECTIVE AND THAT THERE ARE NO AREAS OF INADEQUATE DUST CONTROL. MAINTAIN BEST MANAGEMENT PRACTICES RELATED DUST CONTROL. DUST CONTROL DURING THE LANDFILL CLOSURE PLAN ACTIVITY SHALL COMPLY WITH BMP'S AS CONTAINED IN 2019 STORMWATER MANAGEMENT MANUAL FOR WESTERN WASHINGTON AND BMP S407 DUST CONTROL AT DISTURBED LAND AREAS AND UNPAVED ROADWAYS AND PARKING LOTS.
- NOTE: A FULL TIME CERTIFIED PROFESSIONAL HIRED BY OWNER AND UNDER THE DIRECTION OF THE OWNER'S REPRESENTATIVE IS REQUIRED ON SITE WHEN LANDFILL MATERIAL IS BEING REGRADED OR MOVED. SEE SECTION 3.6 OF THE LFCP. THE INDIVIDUAL SHALL BE A CERTIFIED ASBESTOS PROFESSIONAL AND QUALIFIED TO DETERMINE IF ANY HAZARDOUS MATERIALS ARE ENCOUNTERED. THE INDIVIDUAL WILL ALSO BE RESPONSIBLE TO INSURE ALL LANDFILL MATERIAL IS REMOVED FROM AREAS WHERE LANDFILL IS BEING RELOCATED. THIS PERSON WILL OVERSEE AND PROVIDE DAILY REPORTS AND DOCUMENTS AS REQUIRED IN APPENDIX K OF THE PLAN AS REQUIRED FOR THE CONSTRUCTION QUALITY ASSURANCE PLAN.
- 9. ANY HAZARDOUS MATERIALS, IF ENCOUNTERED, WILL BE SEPARATED AND PLACED IN CONFINED CONTAINERS ONSITE AND TRANSPORTED TO A PREAPPROVED FACILITY LICENSED TO HANDLE THE PARTICULAR MATERIAL. ALL REGULATIONS PROTECTING WORKER SAFETY WILL BE FOLLOWED IF SUCH HAZARDOUS MATERIALS ARE ENCOUNTERED.
- 10. TO SECURE THE SITE FROM THE COMMUNITY DURING THE CONSTRUCTION ACTIVITIES THE ENTRY AND SECURITY FENCING WILL BE REINFORCED AND REPAIRED. THE GOAL WILL BE TO ELIMINATE TRESPASSING ONTO THE SITE DURING THESE ACTIVITIES.
- 11. OBTAIN STREET USE AND HAUL PERMITS FROM SNOHOMISH COUNTY.
- 12. MITIGATION RELATED TO THE IMPORT/EXPORT OF MATERIALS SHALL COMPLY WITH BEST MANAGEMENT PRACTICES INCLUDING THE FOLLOWING:
 - a. INSTALL WHEEL WASH FACILITY AS REQUIRED BY PERMIT.
 - b. COMPLIANCE WITH WORK HOURS FOR USING THE STREETS FOR

- HAULING AND RELATED TO THE PROJECT.
- c. USING FLAGGERS AND TRAFFIC CONTROL AS REQUIRED FOR ANY HEAVY PERIODS OF TRAFFIC ON AND OFF THE SITE.
- d. COMPLY WITH OTHER MITIGATION IMPOSED BY THE REQUIRED STREET USE PERMIT TO BE ISSUED FOR THE PROJECT BY THE COUNTY.
- 13. INSTALL TESCP FEATURES AND MAINTAIN AS REQUIRED. NOTE: THE INTENT IS TO USE THE PROJECT DETENTION POND FOR TEMPORARY EROSION AS
- 14. ON-SITE REFUELING WILL ACCOMPLISH AT ONE LOCATION ON SITE. NOTE: THAT AN EXISTING TANK AND FACILITY EXISTS ON SITE THAT NEEDS TO BE EVALUATED AND DEALT WITH AS APPROPRIATE AND REMOVED. ANY PAST LEAKAGE AROUND THE UNIT SHALL BE MITIGATED AS DIRECTED BY THE PROJECT GEOTECHNICAL ENGINEER.
- 15. FOR THE AREAS OUTSIDE THE DOCUMENTED LANDFILL AREA, A "LOT EXPLORATION PLAN" HAS BEEN PREPARED TO COMPLY WITH THE REQUIREMENTS SPELLED OUT IN SECTION 3.3 OF THE LFCP. THE PURPOSE OF THIS PLAN IS TO CONFIRM THERE IS NO WASTE LYING OR BURIED WITHIN ANY LOT AREAS. (SEE PLAN DESCRIBED ON LOWER LEFT OF THIS SHEET.)
- 16. ANY AREAS WITHIN THE LANDFILL AREA THAT IS NOT COVERED WITH A MINIMUM OF 6-INCH OF SAND COVER (SUBGRADE FOR THE GEOMEMBRANE) SHALL BE COVERED WITH REINFORCED PLASTIC (GRIFFOLYN TX 1200 OR EQUAL) AND ANCHORED DOWN TO PREVENT WIND FROM BLOWING THE REINFORCED PLASTIC AT THE END OF EACH DAY. EXPOSED AREAS BEING WORKED EACH DAY IS LIMITED TO ONE ACRE IN SIZE. MAINTAIN THE REINFORCED PLASTIC SHEETING COVERS ON ANY AREA BEING WORKED THAT IS OVER ONE ACRE IN SIZE. SPRINKLE EXPOSED AREAS BEING WORKED WITH ON-SITE SOURCE OF WATER.
- 17. CLEAR, GRADE, EXCAVATE AND PLACE MATERIALS BOTH INSIDE THE LANDFILL AREA AND OUTSIDE THE LANDFILL LIMITS AS DESCRIBED AND IN COMPLIANCE WITH THE PROJECT GEOTECHNICAL REPORT PREPARED BY ASSOCIATED EARTH SCIENCES, INC. DATED OCTOBER 21, 2009, AND DESCRIBED ON SHEET 14. ON-SITE ACTIVITY SHALL BE ACCOMPLISHED UNDER THE DIRECTION OF AN ON-SITE GEOTECHNICAL ENGINEER WITH AUTHORITY TO OVERSEE AND DIRECT THE VARIOUS ACTIVITIES.
- 18. COMPLY WITH ALL REQUIREMENTS OF THE LANDFILL CLOSURE APPROVAL BY SNOHOMISH HEALTH DISTRICT, THE APPROVED LANDFILL CLOSURE PLAN, AND OTHER APPLICABLE PERMITS AND APPROVALS.

SUGGESTED CONSTRUCTION SEQUENCE

- CONDUCT TREE REMOVAL AND CLEARING OF THE AREAS OF THE SITE
- 2. CONSTRUCT TESCP FACILITIES INCLUDING DITCHES AND CHECK DAMS, SILT FENCING ETC. AS NEEDED.
- 3. INSTALL STREAM DIVERSION PIPE AT DEPTH AND LOCATION TO PREVENT CONFLICT OR CONTAMINATION TO THE STREAM WATERS.
- 4. GRADE AND STOCKPILE ANY USABLE TOP SOIL AND PROTECT WITH COVERING WITH R/F PLASTIC SHEETING ANCHORED DOWN. STOCK PILE IN AREA TO NOT BE DISTURBED BY LANDFILL CLOSURE ACTIVITY.
- REMOVE ANY LANDFILL COVER MATERIAL THAT MAY EXIST LYING BELOW THE TOP SOIL AND ABOVE THE LANDFILL MATERIAL AND STOCKPILE AND PROTECT BY COVERING. THIS MATERIAL WILL BE REUSED FOR BEDDING UNDER THE GEOMEMBRANE OR OVER THE TOP OF THE GEOMEMBRANE.
- 6. NOT USED.
- CONDUCT THE REQUIRED DYNAMIC COMPACTION FOR THE AREA OF THE DETENTION POND.
- 8. PROOF ROLL AND CONDUCT FINAL COMPACTION OF THE DETENTION POND AND STORM LINE AND GRADE THE DETENTION POND AREA TO FINAL SUBGRADE ELEVATION.
- PLACE 6-INCH SAND BEDDING LAYER AND COMPACT UNDER THE POND AREA AND MAKE READY FOR THE INITIAL GEOMEMBRANE FOR THE POND. PLACE THE GEOMEMBRANE AS RECOMMENDED BY GEOTECHNICAL ENGINEER AND MANUFACTURERS REQUIREMENTS.
- 10. PLACE/INSTALL A TEMPORARY OUTLET PIPE FROM THE POND DOWN THE NORTHEAST SLOPE TO THE TOE AND ANCHOR AS REQUIRED. PLACE OUTLET TO PREVENT EROSION AT THE TOE OF THE SLOPE.
- 11. PROCEED WITH RELOCATING THE LANDFILL MATERIAL IN THE "WEDGE" AREA AN NO CLOSER THAN 6 FEET TO RESIDENTIAL LOT LINE PLACING REGRADED LANDFILL MATERIAL IN COMPACTED LIFTS AS REQUIRED. PROOF ROLL ANY AREAS TO ACCEPT LANDFILL MATERIALS PRIOR TO PLACING MATERIAL OVER THEM. COMPLY WITH THE PROJECT GEOTECHNICAL ENGINEER'S DIRECTION AND PROJECT REPORT DIRECTING THIS WORK.
- 12. GRADE THE SITE WITH CUT/FILLS FOR THE ENTIRE AREA AS REQUIRED AND SHOWN ON THE PLANS TO ACHIEVE FINAL GRADES, COVER MATERIAL, FILL WEDGE AREA, ETC. AS REQUIRED.
- 13. GRADE AND ESTABLISH NEW STREAM CORRIDOR AS SHOWN ON WETLAND RESOURCES DRAWINGS AND REQUIRED BY PROJECT HPA. ONCE NEW STREAM CHANNEL IS STABILIZED, DIRECT STREAM WATER INTO NEW CHANNEL AND MAINTAIN UNTIL STABLE.
- 14. COMPLY WITH THE LANDFILL CLOSURE PLAN AND APPROVED PROJECT PLANS AND SPECIFICATIONS. A LIST OF APPLICABLE SPECIFICATIONS IS PROVED ON SHEET 14.
- 15. PROVIDE FINAL LANDSCAPING TO COVER ALL DISTURBED AREAS AND MAINTAIN TEMPORARY EROSION CONTROL UNTIL SUITABLE RE-VEGETATION HAS OCCURRED.
- 16. PREPARE FINAL GEOTECHNICAL REPORT DEMONSTRATING COMPLIANCE WITH GEOTECHNICAL ASPECTS OF THE LANDFILL CLOSURE PLAN, AND GEO-ENGINEERS' PLAN REVIEW RECOMMENDATIONS INCLUDED IN THEIR APRIL 17, 2019 LETTER.

*** ALL LFC WORK OBSERVED BY GEOENGINEERS AND PAC RIM ENVIRONMENTAL AS DESCRIBED IN THE CQA REPORT.

8

SCALE: DATE: AS NOTED 6/9/2021 DESIGNED BY: CHECKED BY:

JOB NUMBER P09382.00 DWG NAME:

P09382_GN-DET

^{*} OVERSIGHT CONDUCTED BY PAC RIM ENVIRONMENTAL.

AS DESCRIBED IN THE CQA REPORT.

^{**} THIS WORK WAS COMPLETED WITH MEMO PREPARED DOCUMENTING OVERSIGHT BY GEOENGINEERS AS CONTAINED IN THE COA REPORT.

- 2. THE PROJECT IS VESTED TO THE 2009 EDITION OF THE SNOHOMISH COUNTY ENGINEERING DESIGN AND DEVELOPMENT STANDARDS. THE CONTRACTOR SHALL KEEP A SET OF THE EDDS ON SITE AT ALL TIMES.
- 3. ALL WORK PERTAINING TO THIS PROJECT SHALL BE SUBJECT TO INSPECTION BY THE COUNTY INSPECTOR OR HIS DESIGNATED REPRESENTATIVE. PRIOR TO BEGINNING ANY SITE WORK, THE CONTRACTOR SHALL CONTACT THE COUNTY INSPECTOR AT (425) 388-3338 AND SCHEDULE A PRE-CONSTRUCTION CONFERENCE.
- 4. IF THE PROJECT SITE AS DEFINED IN SCC 30.63A.91S.351 IS MORE THAN ONE ACRE, THE CESCL IDENTIFIED IN THE SWPPP NARRATIVE SHALL BE ON SITE OR ON CALL AT ALL TIMES (SCC30.63A.510).
- 5. THE CESCL SHALL NOTIFY THE COUNTY INSPECTOR IN WRITING ANY TIME A BMP PROVES TO BE INADEQUATE RESULTING IN AN ACTUAL DISCHARGE OF OR POSES A POTENTIAL TO DISCHARGE A SIGNIFICANT AMOUNT OF ANY POLLUTANT PURSUANT TO SCC 7.53 TO WATERS OF THE STATE OR THE COUNTY'S MS-4 DRAINAGE SYSTEM (SCC30.63A.510). SAID NOTIFICATION SHALL BE MADE WITHIN 24 HOURS OF THE DISCHARGE EVENT OR PROBLEM IDENTIFICATION.
- 6. IF INDIVIDUALS REVIEWING OR INSPECTING WORK ARE REPLACED DURING CONSTRUCTION. INCLUDING BUT NOT LIMITED TO THE CIVIL ENGINEER, SOILS ENGINEER, CESCL OR THE ENGINEERING GEOLOGIST, WORK REQUIRING THEIR REVIEW SHALL BE STOPPED UNTIL ANDTHER QUALIFIED PERSON AGREES TO ACCEPT RESPONSIBILITY AND NOTIFIES PLANNING & DEVELOPMENT SERVICES IN WRITING (SCC 30.63A.855 AND SCC 30.63B.340(4)).
- 7. A ROW USE PERMIT IS REQUIRED FROM THE DPW FOR ANY LANE/ROAD CLOSURES WITHIN THE SNOHOMISH COUNTY ROW. CONTACT DPW AT LEAST 15 DAYS PRIOR TO CONSTRUCTION ACTIVITY WITHIN THE PUBLIC ROW. SNOHOMISH COUNTY DOES NOT HAVE JURISDICTION ON STATE ROUTES OR ROADWAYS WITHIN INCORPORATED CITIES, PRIVATE ROADS OR PRIVATE PROPERTY. FOR ANY ACTIVITY ENCROACHING ON SUCH PROPERTY THE APPLICANT SHALL OBTAIN PERMISSION FROM THE APPROPRIATE AUTHORITY.
- 8. FIELD CHANGES REQUIRING REDESIGN SHALL BE SUBMITTED AND APPROVED PRIOR TO CONSTRUCTION.
- 9. ENGINEERED RECORD DRAWINGS SHALL BE REQUIRED PRIOR TO SITE APPROVAL (EDDS SECTION 10-05).
- 10. SURVEY MONUMENTS SHALL BE FOUND AND SET IN ACCORDANCE WITH SNOHOMISH COUNTY ENGINEERING DESIGN AND DEVELOPMENT STANDARDS (EDDS), CHAPTER 4-03, DETAIL 4-130. MONUMENTS AND PROPERTY CORNERS SHALL BE PROTECTED FROM DISTURBANCE DURING CONSTRUCTION. A LICENSED SURVEYOR SHALL OBTAIN A PERMIT FOR REMOVAL OR REPLACEMENT OF ANY ROW MONUMENTS. SURVEY MONUMENTS. OR PROPERTY CORNERS IN ACCORDANCE WITH STATE LAW AND WAC 332-120 PRIOR TO ANY DISTURBANCE TO THE CORNER. THE POINTS TO BE PROTECTED OR REPLACED SHALL BE RELOCATED BY A PROFESSIONAL LAND SURVEYOR AND SHOWN ON THE CONSTRUCTION PLANS.
- 11. REMOVE ABANDONED PIPES WITHIN THE RIGHT-OF-WAY.
- 12. ALL PIPES SHALL HAVE A MINIMUM OF 12" COVER AT THE TOP OF THE BELL, OR SHALL HAVE MINIMUM COVER PER THE MANUFACTURER'S SPECIFICATIONS, WHICHEVER IS GREATER. [EDDS 5-04.1.9.]
- 13. PRIOR TO PLACING ANY SURFACE MATERIALS ON THE ROADWAY, IT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER OR UTILITY TO PROVIDE DENSITY TEST REPORTS (AS SPECIFIED IN EDDS) CERTIFIED BY A PROFESSIONAL ENGINEER LICENSED TO PRACTICE IN THE STATE OF WASHINGTON. [EDDS 8-05.]
- 14. APPROVED PERMANENT TRAFFIC CONTROL SIGNS AND MARKINGS WITHIN THE PUBLIC RIGHT-OF-WAY (ROW) SHALL BE INSTALLED BY COUNTY FORCES. THE DEVELOPER SHALL PAY FOR INSTALLATION OF ALL DEVICES. THE INSPECTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS (DPW) TRAFFIC OPERATIONS WHEN THE PROJECT IS READY FOR CHANNELIZATION AND SIGNING. IF COUNTY FORCES ARE UNAVAILABLE TO PERFORM THE STRIPING INSTALLATION WITHIN AN APPROPRIATE TIME FRAME, THE PERMIT HOLDER SHALL CONTRACT FOR THE STRIPING INSTALLATION. DPW TRAFFIC OPERATIONS SHALL BE CONTACTED AT LEAST 2 DAYS IN ADVANCE OF INSTALLATION TO VERIFY CHANNELIZATION LAYOUT.
- 15. DURING PROJECT CONSTRUCTION, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN ALL TEMPORARY CONSTRUCTION SIGNS, TRAFFIC CONTROL SIGNS, DELINEATORS AND TEMPORARY MARKINGS AS REQUIRED, ALL SIGNS, TRAFFIC CONTROL SIGNS. DELINEATORS AND TEMPORARY MARKINGS SHALL BE ACCORDING TO THE CURRENT MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
- 16. ACCESS BY EMERGENCY VEHICLES SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION.
- 17. AFTER WORK WITHIN THE TRAVELED ROADWAY IS COMPLETED AT THE END OF EACH DAY, THE ROAD SHALL BE CLEARED OF DEBRIS AND EQUIPMENT, AND COMPLETELY OPEN TO TRAFFIC (UNLESS OTHERWISE APPROVED BY THE DEPARTMENT OF PUBLIC WORKS OF THE COUNTY). LIGHTED BARRICADES OR BARRELS SHALL DELINEATE ALL AREAS WITHIN THE ROADWAY AFFECTED BY CONSTRUCTION (I.E. EDGE OF PAVEMENT, NEW CURB EDGES NOT ILLUMINATED BY STREET
- 18. THE DEVELOPER/CONTRACTOR SHALL BE RESPONSIBLE FOR INTERIM TRAFFIC CONTROL DURING CONSTRUCTION ON OR ALONG TRAVELED COUNTY ROADWAYS. THE DEVELOPER/CONTRACTOR MUST SUBMIT A TRAFFIC CONTROL PLAN TO PUBLIC WORKS (PERMIT COUNTER) AND RECEIVE APPROVAL PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION.
- 19. THE WORKMANSHIP AND MATERIALS FOR ALL UNDERGROUND UTILITY INSTALLATIONS WITHIN THE COUNTY R/W SHALL BE IN ACCORDANCE WITH EDDS SECTIONS 8-02, 8-04, 8-05, 8-09 AND THE MOST RECENT COPY OF THE STATE OF WASHINGTON STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION (WSDOT/APWA).
- 20. ALL WORK WITHIN THE SITE AND COUNTY RIGHT-OF-WAY SHALL BE SUBJECT TO THE INSPECTION OF THE COUNTY ENGINEER OR HIS DESIGNATED REPRESENTATIVE.
- 21. THE TEMPORARY EROSION/SEDIMENTATION CONTROL FACILITY SHALL BE CONSTRUCTED PRIOR TO ANY GRADING OR EXTENSIVE LAND CLEARING IN ACCORDANCE WITH THE APPROVED TEMPORARY EROSION/SEDIMENTATION CONTROL PLAN. THESE FACILITIES MUST BE SATISFACTORILY MAINTAINED UNTIL CONSTRUCTION AND LANDSCAPING IS COMPLETED AND THE POTENTIAL FOR ON-SITE EROSION HAS PASSED.
- 22. ALL STORM SEWER PIPE MATERIALS SHALL CONFORM TO WSDOT STANDARD SPECIFICATIONS CHAPTER 9-05.
- 23. DOUBLE WALL, SMOOTH INTERIOR (ADS, N-12 T.M.) LINED CORRUGATED POLYETHYLENE (LCPE) PIPE SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M 294S FOR SIZES 12 TO 36 INCH DIAMETER. (PVC) POLYVINYL CHLORIDE PIPE SHALL CONFORM TO THE REQUIREMENTS OF ASTM D3034 SOR 35 FOR SIZES UP TO 15 INCH DIAMETER AND ASTM F679, TYPE 1 ONLY FOR SIZES 18 TO 27 INCH DIAMETER.
- 24. PIPE MATERIAL FOR HDPE BUTT-FUSED SHALL BE: HIGH DENSITY POLYETHYLENE (HDPE) SDR 11. THE PIPE MUST COMPLY WITH ASTM STANDARDS DEPENDING UPON THE PURPOSE OF THE MATERIAL. FOR THE PIPE MATERIAL, ASTM D 2447, D 3350, F 1962, AND F 714 SHALL APLLY. HDPE PIPE WILL BE BUTT-FUSED INTO THE MAXIMUM AVAILABLE LENGTHS. ALL HDPE BUTT-FUSED JOINTS SHALL BE COMPLETED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AS TO EQUIPMENT AND TECHNIQUE BY WORKERS WHO HAVE A DEMONSTRATED ABILITY AND EXPERIENCE IN THE FUSION PROCESS. ELECTRONIC DETECTION MATERIAL FOR NON-CONDUCTIVE PIPING PRODUCTS SHALL BE 12 GAUGE COPPER CLAD WHICH MUST BE ATTACHED TO THE PIPE SECURELY TO WITHSTAND THE HDD.
- 25. LCPE DOUBLE WALL SMOOTH I.D. PIPE, AASHTO M-294 TYPE S SHALL HAVE 1 FOOT MINIMUM COVER PER MANUFACTURER'S RECOMMENDATIONS TO OBTAIN H-20 LOADING.
- 26. ALL PIPE INLETS AND OUTFALLS TO HAVE BEVELED END SECTIONS PER EDDS STD. DET. 5-050. ALL CPP PIPE TO BE MITERED TO NEW SLOPE AFTER FINAL GRADING.
- 27. ALL TRENCH BEDDING AND BACKFILL SHALL BE PER WSDOT/APWA STD. PLAN B-55, 22-00.
- 28. ALL PIPE SHALL BE PLACED ON STABLE EARTH, OR IF IN THE OPINION OF THE COUNTY ENGINEER. THE EXISTING FOUNDATION IS UNSATISFACTORY, THEN IT SHALL BE EXCAVATED BELOW GRADE AND BACKFILLED WITH A GRAVEL MATERIAL TO SUPPORT THE PIPE.
- 29. THE BACKFILL SHALL BE PLACED EQUALLY ON BOTH SIDES OF THE PIPE OR PIPE—ARCH IN LAYERS WITH A LOOSE AVERAGE DEPTH OF 6", MAXIMUM DEPTH 8", THOROUGHLY TAMPING EACH LAYER. THESE COMPACTED LAYERS MUST EXTEND FOR ONE DIAMETER ON EACH SIDE OF THE PIPE OR TO THE SIDE OF THE TRENCH. MATERIALS TO COMPLETE THE FILL OVER PIPE SHALL BE THE SAME AS DESCRIBED.
- 30. ALL CATCH BASINS SHALL BE TYPE I, TYPE I-L OR TYPE II AS NOTES ON THE PLANS.

GENERAL NOTES - AS RELATED TO GRADING, DRAINAGE AND ALL AREAS OUTSIDE THE RECONFIGURED LANDFILL AREA (CONT.)

- 31. ALL CATCH BASIN GRATES ARE SHOWN AT FLOW LINE ELEVATIONS.
- 32. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING ALL MANHOLE, INLET, AND CATCH BASIN FRAMES AND GRATES JUST PRIOR TO POURING OF CURBS AND PAVING.
- 33. ALL CATCH BASINS WITH A DEPTH OVER 5.0 FEET TO THE FLOW LINE SHALL BE TYPE II CATCH BASINS.
- 34. ALL CATCH BASIN MANHOLES, INLETS AND CATCH BASINS SHALL HAVE LOCKING LIDS.
- 35. STANDARD LADDER STEPS SHALL BE PROVIDED IN ALL CATCH BASINS/MANHOLES EXCEEDING FOUR (4) FEET IN
- 36. THE CATCH BASIN FRAME AND GRATES SHALL BE PER SNOHOMISH COUNTY STD. DETAIL 5-180, OR AS SHOWN ON PLAN. USE VANED GRATE PER STD. DRAWING 5-200 ON CATCH BASINS WHERE STREET GRADE IS OVER 4%. ALL SOLID COVERS AND GRATES SHALL BE SECURED WITH 5/8" STAINLESS STEEL SOCKET HEAD CAP SCREWS. USE AN ANTI-SEIZE COMPOUND AT THE TIME SCREWS ARE INSTALLED.
- 37. BACKFILL TRENCH OF NEW UTILITIES SHALL BE COMPACTED TO 95% RELATIVE COMPACTION UNDER ROADWAYS AND 90% RELATIVE COMPACTION OFF ROADWAYS, AS SPECIFIED IN WSDOT STANDARD SPEC. SECTION 2.03.3(14)D AND SECTION 2-03.3(14)B.
- 38. STORM WATER CONVEYANCE FACILITIES MUST BE FLUSHED AND CLEANED PRIOR TO SNOHOMISH COUNTY
- 39. PROVIDE AND MAINTAIN THE TEMPORARY SEDIMENTATION COLLECTION FACILITIES TO INSURE SEDIMENT LADEN WATERS DO NOT ENTER THE NATURAL DRAINAGE SYSTEM.
- 40. ALL DISTURBED AREAS SUCH AS DETENTION FACILITIES. ROADWAY BACK-SLOPES. ETC., SHALL BE SEEDED WITH A PERENNIAL GROUND COVER GRASS TO MINIMIZE EROSION. GRASS SEEDING WILL BE DONE USING AN APPROVED HYDROSEEDER OR AS OTHERWISE APPROVED BY SNOHOMISH COUNTY.
- 41. ALL EARTHWORK SHALL BE PERFORMED IN ACCORDANCE WITH COUNTY STANDARDS. PRE-CONSTIRUCTION SOILS INVESTIGATION MAY BE REQUIRED TO EVALUATE SOILS STABILITY.
- 42. IF CUT AND FILL SLOPES EXCEED A MAXIMUM OF TWO FEET HORIZONTAL TO ONE FOOT VERTICAL. A ROCK. BLOCK OR CONCRETE RETAINING WALL MAY BE REQUIRED. ALL ROCK RETAINING WALLS GREATER THAN FOUR (4) FEET IN HEIGHT ARE TO FOLLOW COUNTY SPECIFICATIONS AND TO BE DESIGNED AND CERTIFIED BY A CIVIL ÈNGINEER EXPERIENCED IN SOILS MECHANICS.
- 43. STOCKPILES ARE TO BE LOCATED IN SAFE AREAS AND ADEQUATELY PROTECTED BY TEMPORARY SEEDING AND MULCHING. HYDRO-SEED PREFERRED.
- 44. COMPACTION: EARTH EMBANKMENTS TO BE COMPACTED PER THE GEOTECHNICAL REPORT.
- 45. RIP-RAP SHALL BE PLACED IN AREAS AS SHOWN ON PLANS PER SECTION 8-15.3(2). MATERIALS SHALL MEET MINIMUM REQUIREMENTS OF SECTION 9-13.1.(2).
- 46. N/A
- 47. N/A
- 48. ALL STEEL PIPES, CULVERTS, TANKS, AND OTHER STEEL PARTS OF ANY STORM DRAINAGE SYSTEM SHALL BE GALVANIZED AND HAVE A TREATMENT 1 ASPHALT COATING OR BETTER AS SPECIFIED IN THE WSDOT STD SPECIFICATION SECTION 9-05.4(3). NOTE: ALUMINUM AND CONCRETE PIPES AND STRUCTURES DO NOT REQUIRE A TREATMENT 1 COATING.
- 49. SURVEY MONUMENTS SHALL BE FOUND AND SET IN ACCORDANCE WITH SNOHOMISH COUNTY ENGINEERING DESIGN AND DEVELOPMENT STANDARDS (EDDS), CHAPTER 4-03, DETAIL 4-130.
- MONUMENTS AND PROPERTY CORNERS SHALL BE PROTECTED FROM DISTURBANCE DURING CONSTRUCTION. A LICENSED SURVEYOR SHALL OBTAIN A PERMIT FOR REMOVAL OR REPLACEMENT OF ANY ROW MONUMENTS, SURVEY MONUMENTS, OR PROPERTY CORNERS IN ACCORDANCE WITH STATE LAW AND WAC 332-120 PRIOR TO ANY DISTURBANCE TO THE CORNER. THE POINTS TO BE PROTECTED OR REPLACED SHALL BE RELOCATED BY THE PROJECT SURVEYOR OR ENGINEER AND SHOWN ON THE CONSTRUCTION PLANS.
- 50. WHEN ABUTTING NEW PAVEMENT TO EXISTING PAVEMENT THE CONTRACTOR SHALL NEAT LINE SAWCUT. CLEAN, HEAT AND TACK EXISTING PAVEMENT WITH SEALER CSS-1 AND SEAL WITH AR4000 AND SAND. SAWCUT SHALL BE A MINIMUM OF 1 FOOT INSIDE THE EXISTING EDGE OF PAVEMENT. A FOUR FOOT WIDE SECTION OF NEW PAVEMENT IS THE MINIMUM WIDTH REQUIRED.
- 51. PRIOR TO PLACING ANY SURFACE MATERIALS ON THE ROADWAY, IT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER OR UTILITY TO PROVIDE DENSITY TEST REPORTS (AS SPECIFIED IN EDDS) CERTIFIED BY A PROFESSIONAL ENGINEER LICENSED TO PRACTICE IN THE STATE OF WASHINGTON, TEST RESULTS TO BE SUBMITTED WITH AS-BUILT DRAWINGS.
- 52. THE DEVELOPER/CONTRACTOR SHALL BE RESPONSIBLE FOR INTERIM TRAFFIC CONTROL DURING CONSTRUCTION ON OR ALONG TRAVELED COUNTY ROADWAYS. THE DEVELOPER/CONTRACTOR MUST SUBMIT A TRAFFIC CONTROL PLAN TO PUBLIC WORKS (PERMIT COUNTER) AND RECEIVE APPROVAL PRIOR TO COMMENCEMENT OF ANY
- 53. CONSISTENT WITH EDDS CHAPTER 8-05, ANY DEVELOPERS, UTILITIES, OR OTHERS INTENDING TO TRENCH IN EXISTING OR PROPOSED COUNTY RIGHT-OF-WAY SHALL NOTIFY PLANNING AND DEVELOPMENT SERVICES INSPECTION SECTION NOT LESS THAN 3 WORKING DAYS PRIOR TO PERFORMING THE WORK, OR MUST APPLY FOR EDDS DEVIATION IF NOT CONSISTENT WITH EDDS CHAPTER 8. THIS NOTIFICATION SHALL INCLUDE:
- A. LOCATION OF THE WORK (SITE LOCATION AND LOCATION OF THE TRENCH WORK RELATIVE TO EXISTING/PROPOSED ROADS)
- B. PERMIT NUMBER C. METIHOD OF COMPACTION TO BE USED
- D. DAY AND HOUR WHEN COMPACTION IS TO BE DONE
- E. DAY AND HOUR WHEN TESTING IS TO BE DONE.
- 54. ALL FIRE HYDRANTS INSTALLATIONS SERVING THE DEVELOPMENT, EITHER PUBLIC OR PRIVATE, SHALL COLOR CODE THE TOPS OF THE HYDRANTS IN ACCORDANCE WITH ScC TABLE 30.53A.330(12)(a). IN ADDITION TO COLOR CODING HYDRANTS THE DEVELOPER SHALL ALSO INSTALL BLUE REFLECTORS TO INDICATE HYDRANT LOCATIONS. COLOR CODING OF THE FIRE HYDRANTS AND THE INSTALLATION OF BLUE STREET REFLECTORS SHALL BE COMPLETED PRIOR TO FINAL APPROVAL OF ANY DEVELOPMENT OR NEW CONSTRUCTION.

BMP T5.13 - DESIGN CRITERIA

- 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, CONTROLLED AREA, NOT ADJACENT TO PUBLIC RESOURCES AND CRITICAL AREAS, TO BE REAPPLIED TO OTHER PORTIONS OF THE SITE WHERE FEASIBLE.
- SOIL QUALITY. THE RESULTING SOIL SHOULD BE CONDUCIVE TO THE TYPE OF VEGETATION TO BE ESTABLISHED. 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:
- O 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. O PLANTING BEDS MUST BE MULCHED WITH 2 INCHES OF ORGANIC MATERIAL.
- O QUALITY OF COMPOST AND OTHER MATERIALS USED TO MEET THE ORGANIC CONTENT REQUIREMENTS: 1.THE ORGANIC CONTENT FOR "PRE-APPROVED" AMENDMENT RATES CAN BE MET ONLY USING COMPOST MEETING THE COMPOST SPECIFICATION FOR BIORETENTION (BMP T7.30), WITH THE EXCEPTION THAT THE
- COMPOST MAY HAVE UP TO 35% BIOSOLIDS OR MANURE. 2.THE COMPOST MUST ALSO HAVE AN ORGANIC MATTER CONTENT OF 35% TO 65%, AND A CARBON TO NITROGEN RATIO BELOW 25:1.
- 3.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.
- O CALCULATED AMENDMENT RATES MAY BE MET THROUGH USE OF COMPOSTED MATERIAL MEETING THE REQUIREMENTS ABOVE: OR OTHER ORGANIC MATERIALS AMENDED TO MEET THE CARBON TO NITROGEN RATIO REQUIREMENTS, AND NOT EXCEEDING THE CONTAMINANT LIMITS IDENTIFIED IN TABLE 220-B, TESTING PARAMETERS, IN WAC 173-350-220.
- IMPLEMENTATION OPTIONS: THE SOIL QUALITY DESIGN GUIDELINES LISTED ABOVE CAN BE MET BY USING ONE OF THE METHODS LISTED BELOW.
- O LEAVE UNDISTURBED NATIVE VEGETATION AND SOIL. AND PROTECT FROM COMPACTION DURING CONSTRUCTION
- O AMEND DISTURBED SOIL ACCORDING TO THE FOLLOWING PROCEDURES:
- 1. SCARIFY SUBSOIL TO A DEPTH OF ONE FOOT 2.IN PLANTING BEDS, PLACE THREE INCHES OF COMPOST AND TILL IN TO AN EIGHT-INCH DEPTH.
- 3.IN TURF AREAS, PLACE TWO INCHES OF COMPOST AND TILL IN TO AN EIGHT-INCH DEPTH.
- 4.APPLY TWO TO FOUR INCHES OF ARBORIST WOOD CHIP, COARSE BARK MULCH, OR COMPOST MULCH TO PLANTING BEDS AFTER FINAL PLANTING.
- IMPORT TOPSOIL MIX OF SUFFICIENT ORGANIC CONTENT AND DEPTH TO MEET THE ORGANIC MATTER AND DEPTH REQUIREMENTS.

MAINTENANCE

- 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
- SOIL SHOULD BE PLANTED AND MULCHED AFTER INSTALLATION.
- PLANT DEBRIS OR ITS EQUIVALENT SHOULD BE LEFT ON THE SOIL SURFACE TO REPLENISH ORGANIC MATTER.

ESTIMATED COMPOST OR TOPSOIL QUANTITY BY AREA

DESCRIPTION	APPLICATION	AREA (SQUARE FEET)	DEPTH (INCHES)	MATERIAL	QUANTITY (CUBIC YARDS)
INFREQUENTLY MAINTAINED SEEDED AREAS	EROSION CONTROL AREAS, DETENTION POND, LOT GRADING	587,379	2	COMPOST	3,633
PLANTING AREAS	SLOPE STABILIZATION PLANTING, STREAM BUFFER PLANTING	82,591	5 COMPOST OR 12 TOPSOIL*	COMPOST	1,285
MAINTAINED TURF/LAWN AREAS	OPEN SPACE, PARK, PLAY AREA,	37,723	6	TOPSOIL	699

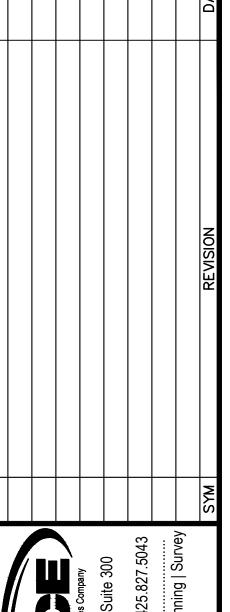
TOTAL COMPOST (CY)*: 4,918 **TOTAL TOPSOIL (CY): 699**

*TILLING COMPOST INTO GRAVEL BORROW OR STRUCTURAL FILL WILL NOT MEET THE MINIMUM REQUIREMENTS FOR PREPARING THE PLANTING AREAS AND ESTABLISHING THE PROPOSED PLANTING. IF NATURAL SUBGRADE CANNOT BE USED. IMPORTED TOPSOIL IS RECOMMENDED.

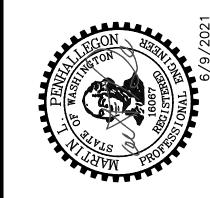
DYNAMIC COMPACTION SPECIFICATIONS:

DYNAMIC COMPACTION FOR THE COVER SYSTEM 2 WITHIN THE LANDFILL CLOSURE SHALL MEET THE FOLLOWING

- GENERAL REQUIREMENTS.
- 75 FOOT DROP HEIGHT. •12 TON WEIGHT.
- •12-FT CENTER TO CENTER SPACING WITH TRIANGULAR PATTERN. • 4 DROPS PER POINT.
- ONE PASS UNLESS DIRECTED BY GEOTECHNICAL ENGINEER ON ADDITIONAL PASS IS NEEDED. • VARIATIONS OF THESE REQUIREMENTS MUST BE APPROVED BY ENGINEER OBSERVING THIS
- MONITOR VIBRATION AT PROPERTY BOUNDARY CLOSEST TO PROPERTY BOUNDARY.





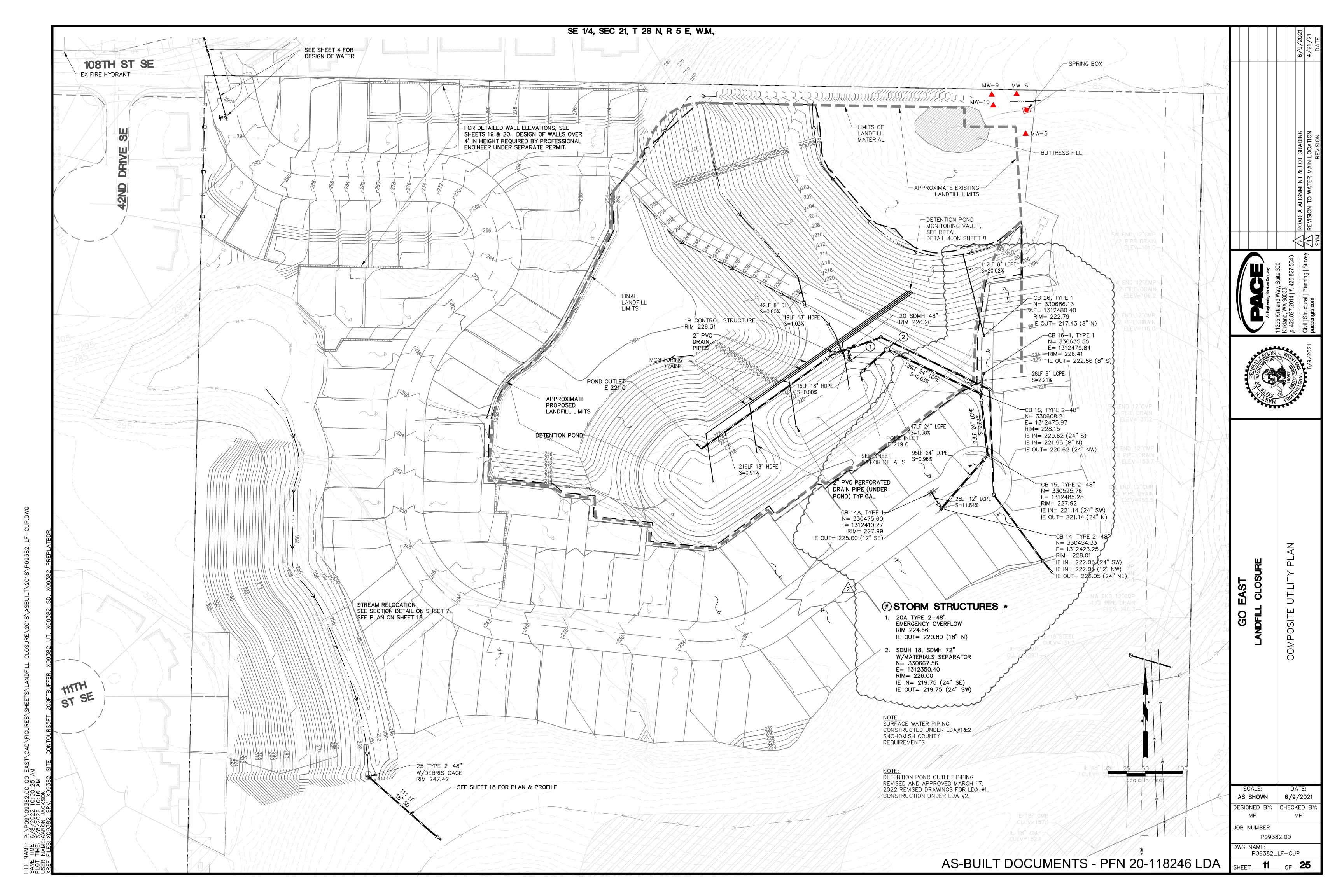


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SCALE: DATE: AS NOTED 6/9/2021 DESIGNED BY: CHECKED BY:

JOB NUMBER P09382.00 DWG NAME:

P09382_GN-DET



STANDARD SPECIFICATIONS

ALL WORK, MATERIALS, AND TESTING SHALL CONFORM TO THE LATEST AMENDED VERSION OF THE "STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION" PREPARED BY WSDOT/APWA, EXCEPT AS HEREIN SUPPLEMENTED OR MODIFIED. THE LATEST AMENDED VERSION OF THE WSDOT STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION CAN BE FOUND HERE:

HTTP: //WWW.WSDOT.WA.GOV/BUSINESS/CONSTRUCTION/SPECIFICATIONSAMENDMENTSGSPS.HTM

THE STANDARD SPECIFICATIONS ARE MODIFIED BY THE PROVISIONS AND REQUIREMENTS LISTED BELOW, CALLOUT ON DRAWINGS AND REQUIREMENTS CONTAINED IN THE GO EAST LANDFILL CLOSURE PLAN WITH UPDATES TO JANUARY 2018 INCLUDING APPENDICES.

INTENT AND INTERPRETATION OF CONTRACT DOCUMENTS

INTENT OF THE CONTRACT DOCUMENTS: THE CONTRACT DOCUMENTS ARE COMPLEMENTARY AND WHAT IS CALLED FOR BY ONE IS AS BINDING AS IF CALLED FOR BY ALL AND INCLUDE ALL THOSE DOCUMENTS LISTED BELOW IN THE LISTING TITLED "LIST OF APPLICABLE SPECIFICATIONS AND CONTROL DOCUMENTS". ANY WORK THAT MAY BE REASONABLY INFERRED, FROM THE DRAWINGS AND SPECIFICATIONS, OR INCLUDED IN THE GO EAST LANDFILL CLOSURE PLAN AND ITS APPENDICES, AS BEING REQUIRED TO PRODUCE THE INTENDED RESULT SHALL BE PROVIDED BY THE CONTRACTOR WHETHER OR NOT IT IS SPECIFICALLY CALLED

DRAWINGS:

DRAWINGS INCLUDE DESIGNS, LAYOUTS, CONDITIONS, SPECIFICATIONS, REQUIREMENTS, AND GENERAL DIRECTION. FIGURED DIMENSIONS ON DRAWINGS SHALL GOVERN OVER SCALE DIMENSIONS. AND DETAILED DRAWINGS SHALL GOVERN OVER GENERAL DRAWINGS. SPECIFICATION REQUIREMENTS AND DIRECTION PROVIDED ON PLANS SHALL GOVERN EXECUTION OF THE WORK.

ORDER OF PRECEDENCE OF CONTRACT DOCUMENTS:

IN RESOLVING CONFLICTS RESULTING FROM ERRORS OR DISCREPANCIES IN ANY OF THE CONTRACT DOCUMENTS, THE ORDER OF PRECEDENCE SHALL BE AS FOLLOWS:

- 1) PERMITS FROM OTHER AGENCIES AS MAY BE REQUIRED BY LAW
- CHANGE ORDERS CONTRACT AGREEMENT
- ADDENDA
- CONTRACTOR'S BID (BID FORMS, IF ANY)
- GO EAST LANDFILL CLOSURE PLAN WITH APPENDICES
- DRAWINGS
- WSDOT STANDARD SPECIFICATIONS AND CURRENT AMENDMENTS
- TECHNICAL SPECIFICATIONS ON DRAWINGS
- WITH REFERENCE TO THE DRAWINGS, THE ORDER OF PRECEDENCE IS AS FOLLOWS:
- FIGURES GOVERN OVER SCALED DIMENSIONS
- DETAILED DRAWINGS GOVERN OVER GENERAL DRAWINGS ADDENDA/CHANGE ORDER DRAWINGS GOVERN OVER ANY OTHER DRAWINGS
- DRAWINGS GOVERN OVER STANDARD DRAWINGS
- DIRECTIONS AND SPECIFICATIONS

LIST OF APPLICABLE SPECIFICATIONS AND CONTROL DOCUMENTS

1. STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION, PREPARED BY WSDOT/APWA, LATEST VERSION

- 2. GO EAST LANDFILL CLOSURE PLAN REVISED JANUARY 2018.
- 3. GO EAST LANDFILL CLOSURE PLAN, APPENDIX A, GEOTECH REPORT BY ASSOCIATED EARTH SCIENCES, REVISED FEB. 28, 2013 WITH EXPLORATION LOGS.
- 4. GO EAST LANDFILLL CLOSURE PLAN, APPENDIX E, GEOMEMBRANE LINER MANUAL AND LLDPE SPECIFICATION AND REQUIREMENTS.
- 5. GO EAST LANDFILL CLOSURE PLAN, APPENDIX I, WASTE EXCAVATION, SCREENING, AND
- 6. GO EAST LANDFILL CLOSURE PLAN, APPENDIX K, AND UPDATE OF THE CONSTRUCTION QUALITY ASSURANCE PLAN PREPARED TO SUPPORT THIS LDA DOCUMENT.
- 7. SILVER LAKE WATER AND SEWER DISTRICT, STANDARD SPECIFICATIONS AND DEVELOPER EXTENSION REQUIREMENTS FOR EXTENSION OF WATER SERVICE TO THE PROPERTY.

PERMITS AND APPROVALS REQUIRING COMPLIANCE

- DEPARTMENT OF ECOLOGY, CONSTRUCTION STORMWATER GENERAL PERMIT (CSWGP) # WAR306901.
- 2. SNOHOMISH HEALTH DISTRICT, SOLID WASTE FACILITY PERMIT # SW-027.
- 3. DEPARTMENT OF THE ARMY, NATIONWIDE PERMIT (NWP) 29, # NWS-2014-552.
- 4. DEPARTMENT OF ECOLOGY LETTER DATED APRIL 20, 2017, NWR #29 APPROVAL MEETS REQUIREMENT OF WASHINGTON STATE 401 WATER QUALITY CERTIFICATION.
- 5. DEPARTMENT OF ECOLOGY LETTER JUNE 1, 2018, SHD PERMIT # SW-027, CONCURANCE THAT PERMIT, AND FACILITY CLOSURE CONFORM TO APPLICABLE LAWS AND REGULATIONS AND APPROVED COMPREHENSIVE SOLID WASTE MANAGEMENT PLAN.
- 6. FOREST PRACTICE PERMIT ISSUED FOR THE BAKERVIEW PROJECT.
- 7. APPLICABLE SNOHOMISH COUNTY STREET USE AND LDA AND OTHER RELATED PROJECT PERMITS.
- 8. WASHINGTON DEPARTMENT OF FISH AND WILDLIFE HYDRAULIC PROJECT APPROVAL PERMIT #2018-4-764+01.

LANDFILL CLOSURE

SPECIFICATIONS AND REQUIREMENTS

THE FOLLOWING SPECIFICATIONS APPLY TO THE GO EAST LANDFILL CLOSURE ACTIVITIES ONLY, AND NOT TO THE BAKERVIEW PLAT OR LAND DISTURBANCE ACTIVITY PERMIT ISSUED FOR THE BAKERVIEW PLAT WORK.

- 1. LOG, CLEAR, AND REMOVE VEGETATIVE MATERIAL FROM THE LANDFILL AREA. REMOVE LOGS AND BRUSH FROM SITE, CHIP AND STOCKPILE LIMBS TO BE PROTECTED ONSITE FOR FUTURE USE OR REMOVE FROM SITE AS DEEMED APPROPRIATE. COMPLY WITH FOREST PRACTICE PERMIT
- 2. REMOVE TOPSOIL/ORGANIC SOILS, STOCKPILE, AND COVER AND PROTECT ONSITE FOR FUTURE REUSE ON THE RECONFIGURED LANDFILL AREA IF ANY EXISTS.
- 3. REMOVE PREVIOUSLY PLACED "COVER" MATERIAL THAT IS NOT CONTAMINATED BY LANDFILL MATERIAL OVER THE LANDFILL LYING BELOW THE REMOVED TOPSOIL (ITEM 2 ABOVE). STOCKPILE ONSITE, AND PROTECT BY COVERING WITH PLASTIC SHEETING, OR EQUAL FOR FUTURE REUSE ON THE RECONFIGURED LANDFILL.
- 4. MAINTAIN PLASTIC SHEETING COVER OVER ALL EXPOSED LANDFILL NOT BEING WORKED. MAXIMUM ONE ACRE CAN BE WORKED AT ANY ONE TIME AND IT MUST BE COVERED NIGHTLY WITH PLASTIC SHEETING.
- 5. GRADE, PROOF-ROLL AND COMPACT THE LANDFILL SURFACE FOR THE AREA INSIDE THE "WEDGE" THAT IS TO REMAIN. SEE SECTION 9.0 SITE PREPARTION OF THE GEOTECH REPORT, APPENDIX A OF THE LANDFILL CLOSURE PLAN FOR FURTHER REQUIREMENTS.
- 6. STRUCTURAL FILL SHALL BE PLACED IN THE "WEDGE AREA" AND FILL AREAS OUTSIDE THE RECONFIGURED LANDFILL AS DESCRIBED IN SECTION 10.0 OF THE GEOTECH REPORT CONTAINED IN APPENDIX A OF THE LANDFILL CLOSURE PLAN.
 - WITHIN ABOUT 3 PERCENT OF OPTIMUM MOISTURE CONTENT TO AT LEAST 95 PERCENT OF THE MODIFIED PROCTOR MAXIMUM DENSITY USING ASTM D1557 AS THE STANDARD.

• OUTSIDE OF THE LANDFILL BOUNDARY PLACE STRUCTURAL FILL IN 8-INCH LOOSE LIFTS

- WITHIN THE LANDFILL PLACE IN 12—INCH LOOSE FILLS AND COMPACT TO 90% MAXIMUM
- 7. SOILS PLACED OVER THE GEOMEMBRANE SHOULD HAVE A MAXIMUM PARTICLE SIZE OF 2 INCHES (NOT CRUSHED/FRACTURED) AND NOT CONTAIN ANY LANDFILL OR DELETERIOUS MATERIAL. IT IS ANTICIPATED COVER MATERIAL WILL BE FROM ONSITE EXCAVATION LOCATED OUTSIDE THE LANDFILL PROPER BUT COULD INCLUDE IMPORT MATERIAL INCLUDING TOPSOILS. A MINIMUM OF THE TOP 12 INCHES SHALL BE VEGETATIVE MATERIAL (WHICH CAN CONSIST OF STOCK PILED TOPSOIL/ORGAINIC SOILS FROM ITEM 2 ABOVE) OVER A MINIMUM 12 INCHES OF LOCAL EXCAVATED SAND, SILT MATERIAL. PLACE INITIAL 12-INCH MINIMUM LOOSE LIFT COVER SOIL LAYER OVER THE GEOMEMBRANE SYSTEM PER THE MANUFACTURER'S RECOMMENDATIONS. COMPACT BY TRACK-WALKING WITH A MAXIMUM CAT D4 LOW GROUND PRESSURE DOZER (4 PASSES MINIMUM). SEE NOTE 9 ALSO.

8. GEOMEMBRANE:

THE GEOMEMBRANE SHALL BE LLDPE (LINEAR LOW DENSITY POLYETHYLENE GEOMEMBRANE) 40 MILS THICK AND DOUBLE-SIDED TEXTURED AND MEET THE REQUIREMENTS CONTAINED IN THE APPROPIATE TABLE IN APPENDIX E OF THE LANDFILL CLOSURE PLAN. INSTALLATION, TESTING, PREPARATION, FIELD SEAMING, REPAIRS, ETC., SHALL BE IN COMPLIANCE WITH NORTHWEST LININGS & GEOTEXTILE PRODUCTS, INC., CONSTRUCTION QUALITY CONTROL MANUAL FOR HDPE AND LLDPE CONTAINMENT MEMBRANE FIELD INSTALLATIONS, CONTAINED IN APPENDIX E OF THE LANDFILL CLOSURE PLAN OR APPROVED EQUAL FROM ANOTHER SUPPLIER.

9. GEOCOMPOSITE DRAINAGE LAYER: GEOCOMPOSITE DRAINAGE LAYER SHALL BE PLACED DIRECTLY OVER THE GEOMEMBRANE IN ALL AREAS, UNLESS SHOWN OTHERWISE. GEOCOMPOSITE SHALL CONSIST OF GSE FABRINET 200 DOUBLE-SIDED COMPOSITE (6 OZ/YD2) (OR APPROVED EQUIVALENT). GEOCOMPOSITE SHALL BE INSTALL IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. NO EQUIPMENT SHALL BE ALLOWED OVER THE GEOCOMPOSITE OR THE GEOMEMBRANE UNTIL A MINIMUM 12-INCH LAYER OF ON-SITE SAND IS PLACED OVER THE GEOCOMPOSIT. THE 12-INCH SAND LAYER SHALL BE PLACED PER THE GEOMEMBRANE MANUFACTURER'S RECOMMENDATIONS AND SHALL BE SPREAD AND TRACK-WALKED USING A CAT D4 LOW GROUND PRESSURE DOZER JNLESS APPROVED OTHERWISE BY THE ENGINEER). NO BRAKING OR ABRUPT STOPS SHALL BE

10. SAND CUSHION GEOMEMBRANE SUBGRADE:

PLACE OVER COMPACTED LANDFILL A 6-INCH LAYER OF ON-SITE SANDY SOIL AND GRADE AND COMPACT BY TRACK-WALKING WITH DOZER (MINIMUM 4 PASSES) TO PRODUCE A SMOOTH SUBGRADE FOR THE GEOMEMBRANE. VERIFY NO ROCKS OR DEBRIS PROTRUDES THAT CAN DAMAGE THE GEOMEMBRANE. SUBGRADE SHALL BE INSPECTED AND APPROVED BY GEOTECHNICAL ENGINEER AND GEOMEMBRANE MANUFACTURER REPRESENTATIVE BEFORE INSTALLING THE GEOMEMBRANE.

11. GAS TRENCH CONSTRUCTION:

11.1 GRAVEL GAS COLLECTION TRENCH:

PERMITTED BY THE DOZER WHILE OVER THE GEOMEMBRANE.

CONSTRUCT A MINIMUM 12-INCH-WIDE GRAVEL TRENCH FROM JUST UNDER THE GEOMEMBRANE. WRAP GEOMEMBRANE WITH GEO NET AROUND THE OUTSIDE OF THE GRAVEL TRENCH AND EXTEND DOWN MIMIMUM OF 12" INTO NATIVE SOIL.

- GRAVEL SHALL BE "GRAVEL BACKFILL FOR DRAINS" PER STANDARD SPECIFICATIONS, MAXIMUM 1-INCH ROUND ROCK WITH NO MORE THAN 2 PERCENT PASSING NO. 200 SIEVE OR APPROVED EQUAL.
- GAS COLLECTOR PIPING SHALL BE 2-INCH DIAMETER PVC PERFORATED PIPE SOLVENT WELDED OR APPROVED EQUAL.
- GAS INSPECTION AND WELL PROTECTION CHAMBERS AS SHOWN ON DRAWINGS SHALL BE MINIMUM 24-INCH INSIDE DIAMETER AND CONSTRUCTED OF HDPE OR APPROVED EQUAL. COVER SHALL BE MINIMUM 18-INCH DIAMETER WITH LOCKING CAPABILITY. SUBMIT SUPPLIER MATERIAL SUBMITTAL FOR APPROVAL TO ENGINEER.
- 12. GAS PROBES SHALL BE LOCATED AT A SPACING OF ABOUT 100 FEET AS SHOWN ON SHEET 4. PROBE SHALL BE SHOWN ON SHEET 8, DETAIL 7 AND BE INSTALLED BY A LICENSED WELL DRILLER AND UNDER THE DIRECTION OF A LICENSED GEOLOGIST.
- 13. STORM PIPING AND STRUCTURES: STORMWATER PIPING SHALL BE N-12 OR APPROVED EQUAL, AND STRUCTURES PER STANDARD SPECIFICATIONS. INSTALL PER STANDARD SPECIFICATIONS AND DETAILS CONTAIN ON THESE DRAWINGS.
- 14. TESCP AND LANDSCAPING:
- CONSTRUCT AND MAINTAIN AS SPECIFIED AND SHOWN ON THESE DRAWINGS.
- 15. COMPLY WITH SNOHOMISH COUNTY REQUIREMENTS AS PROVIDED ON SHEET 10.





6/9/2021

CHECKED BY

DESIGNED BY:

JOB NUMBER

DWG NAME:

P09382.00

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