

LEGAL DESCRIPTION:

A PORTION OF GOVERNMENT LOT 3, TOWNSHIP 30 NORTH, RANGE 5 EAST, W.M., DESCRIBED AS FOLLOWS; COMMENCING AT THE SOUTHWEST CORNER OF GOVERNMENT LOT 4, SAID

THENCE SOUTH 8517'59" EAST ALONG THE SOUTH LINE OF SAID GOVERNMENT LOT 4 AND ALONG THE SOUTH LINE OF GOVERNMENT LOT 3 FOR 1978.91 FEET

THENCE CONTINUE SOUTH 85"17"59" EAST ALONG SOUTH LINE OF SAID GOVERNMENT LOT 3 FOR 575.0 FEET TO AN EXISTING FENCE;

THENCE NORTH 1'32'56" EAST ALONG SAID FENCE LINE FOR 229.5 FEET; THENCE NORTH 85"7"59" WEST PARALLEL WITH THE SOUTH LINE OF SAID GOVERNMENT LOT 3 FOR 575.0 FEET THENCE SOUTH 1'32'56" WET FOR 229.55

SITUATE IN THE COUNTY OF SNOHOMISH, STATE OF WASHINGTON.

SITE DATA:

SITE ADDRESS: TOTAL SITE AREA: EXISTING/PROPOSED ZONING. WATER DISTRICT

MARYSVILLE, WA 98271-7725 R 4.5 SFM

30050300200400

13615 57TH AVE NE

MARYSVILLE SCHOOL DIST 25 MARYSVILLE FIRE DIST RFA FIRE DISTRICT:

OWNER / APPLICANT:

13615 57TH AVE NE MARYSVILLE, WA 98271-7725

MAC ENGINEERING, LLC FIDEN D. MCCALL P.E. P.O. BOX 177 SILVANA, WA. 98287

ANDES LAND SURVEYING, P.S. JERRY R. ANDES, P.S. 1523 TENTH ST. MARYSVILLE, WA 98270

SURVEY:

THIS CONSTRUCTION SEQUENCE IS TO BE USED AS A GUIDELINE. CONDITIONS MAY REQUIRE CHANGES IN TIMING OF WORK. CHANGES SHALL BE DISCUSSED WITH AND APPROVED BY INSPECTOR AND OWNER

- 1. ARRANGE AND ATTEND PRE-CONSTRUCTION MEETING WITH THE COUNTY.
- 2. FLAG CLEARING LIMITS AS INDICATED AND INSTALL S.W.P.P. MEASURES.
- 3. INSTALL INFILTRATION TRENCH
- 4. CONSTRUCT GARAGE & DRIVEWAY.
- 5. STABILIZE DISTURBED LAND SURFACES.

CITY OF MARYSVILLE

CONSTRUCTION DRAWING REVIEW ACKNOWLEDGMENT THIS PLAN SHEET HAS BEEN REVIEWED AND EVALUATED FOR GENERAL COMPLIANCE WITH THE APPLICABLE CITY OF MARYSVILLE CODES AND ORDINANCES. CONFORMANCE OF THIS DESIGN WITH ALL APPLICABLE

LAWS AND REGULATIONS IS THE FULL AND COMPLETE RESPONSIBILITY OF THE LICENSED DESIGN ENGINEER, WHOSE STAMP AND SIGNATURE APPEAR ON THIS SHEET. ACKNOWLEDGMENT OF CONSTRUCTION DRAWING REVIEW DOES NOT IMPLY CITY APPROVAL FOR CONSTRUCTION ACTIVITIES THAT REQUIRED OTHER COUNTY, STATE OR FEDERAL PERMIT REVIEW AND APPROVAL. THE PROPERTY OWNER AND LICENSED DESIGN ENGINEER SHALL BE RESPONSIBLE FOR THE ACQUISITION AND COMPLIANCE OF ALL APPLICABLE PERMITS OR AUTHORIZATIONS WHICH MAY INCLUDE, BUT ARE NOT LIMITED TO, WSDFW HYDRAULIC PROJECT APPROVAL (HPA) WSDOE NOTICE OF INTENT (NOI), ANY CORP OF ENGINEERS FILL PERMITS AND THE REQUIREMENTS OF THE ENDANGERED SPECIES ACT.

KEN MCINTYRE, PE - DEVELOPEMENT SERVICES MANAGER

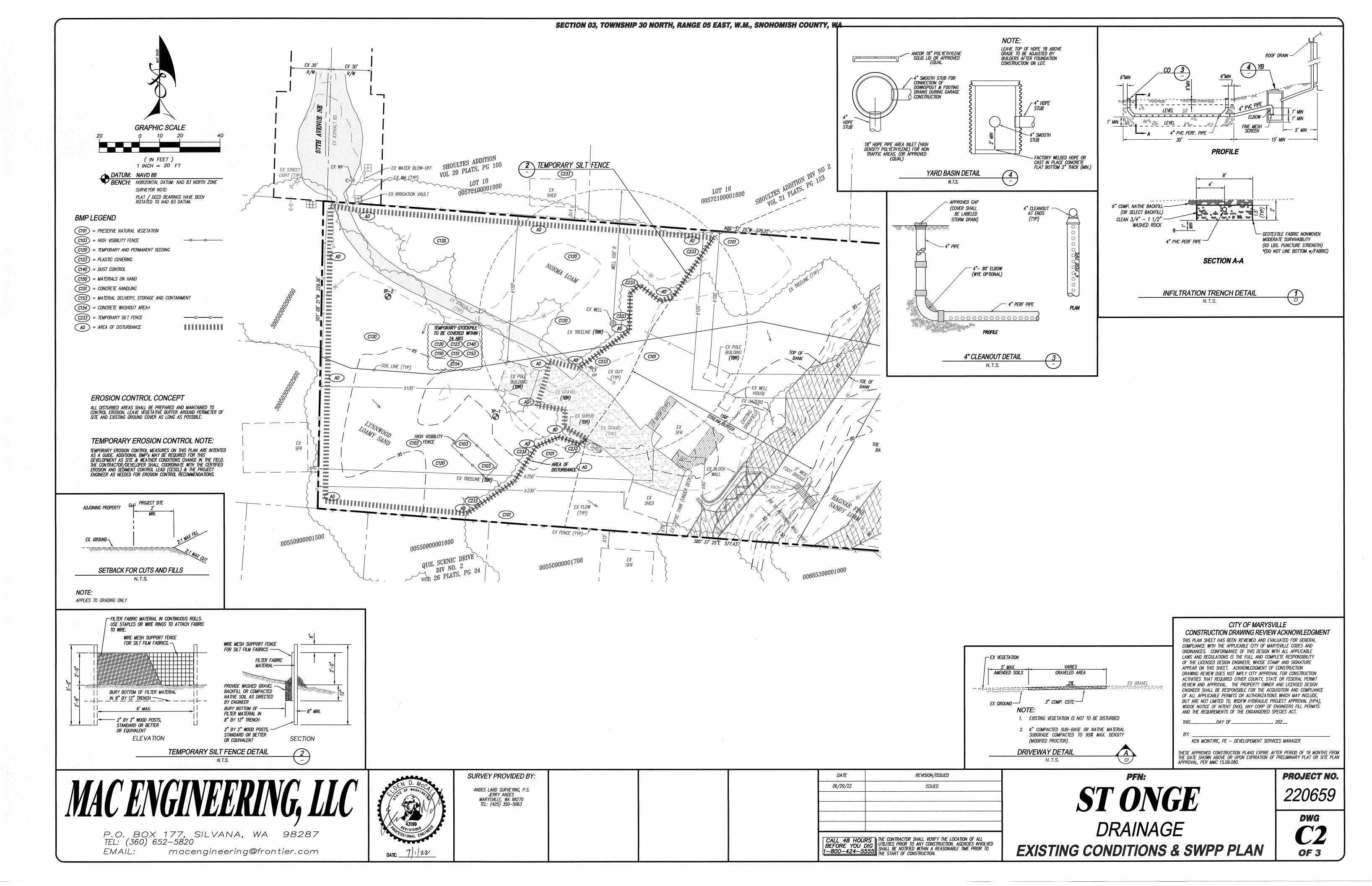
THESE APPROVED CONSTRUCTION PLANS EXPIRE AFTER PERIOD OF 18 MONTHS FROM THE DATE SHOWN ABOVE OR UPON EXPIRATION OF PRELIMINARY PLAT OR SITE PLAN APPROVAL, PER MMC 15.09.080.



ST ONGE

PROJECT NO. 220659

DWG OF 3



EROSION, SEDIMENTATION AND WATER QUALITY SITE INSPECTIONS

PRIOR TO ANY SITE DEVELOPMENT WORK TAKING PLACE, A PRE-CONSTRUCTION MEETING WITH THE CONTRACTOR, OWNER, CESCL, AND INSPECTOR SHALL BE HELD.

THE DEPARTMENT OF ECOLOGY REQUIRES THAT LAND DISTURBANCE CONSTRUCTION PROJECTS ONE ACRE OR LARGER RETAIN A CESCL TO ENSURE THAT THE PROJECT IS IN COMPLIANCE WITH THE CURRENT EROSION, SEDIMENTATION AND WATER QUALITY STANDARDS. FOR EMERGENCY PURPOSES, THE CESCL CONTACT PER FOR THIS PROJECT IS ELDEN D. McCALL, (425)

ON LAND DISTURBANCE CONSTRUCTION PROJECTS OF ONE ACRE OR LARGER THE CESCL IS RESPONSIBLE FOR: A. INSPECTING THE CONSTRUCTION SITE TO ENSURE THAT ALL CONSTRUCTION SWPPP MEASURES ARE FUNCTIONING AS

- B. ALLOCATING RESOURCES TO REPAIR ALL EROSION CONTROL STRUCTURES THAT ARE IN NEED OF MAINTENANCE. C. MONITORING WATER QUALITY FOR ANY STORM DRAINAGE THAT LEAVES THE SITE.
- D. AND HAVE THE AUTHORITY TO STOP AND/OR REDIRECT CONSTRUCTION ACTIVITIES DEEMED NECESSARY TO PROTECT THE

SHOULD BMP PERFORMANCE GOALS NOT BE ACHIEVED, THE ONLY CONSTRUCTION ACTIVITIES THAT SHALL BE ALLOWED ARE THE REPAIR OF EXISTING EROSION CONTROL STRUCTURES, INSTALLATION OF ADDITIONAL BMP'S TO MINIMIZE THE TRANSPORT OF SEDIMENT OFFSITE, OR THOSE ACTIVITIES THAT DO NOT DISTURB EXPOSED EARTH AND DO NOT HAVE THE POTENTIAL TO GENERATE ADDITIONAL SEDIMENT.

THE THIRTEEN ELEMENTS OF A CONSTRUCTION SWPPP ALL NEW DEVELOPMENT AND REDEVELOPMENT PROJECTS WILL COMPLY WITH THE SWPPP ELEMENTS HIGH LIGHTED BELOW.

FOR ADDITIONAL INFORMATION TO THE RELEVANT BMP'S INDICATED BELOW REFER TO THE DEPARTMENT ECOLOGY STORMWATER MANAGEMENT MANUAL FOR WESTERN WASHINGTON (2014), VOLUME II, CHAPTER 4. THE ADDITIONAL IDENTIFIED BMP's ARE PROVIDED FOR THE CONVENIENCE OF THE CONTRACTOR OR CESCL SHOULD SITE CONDITIONS CHANGE THUS REQUIRING USE ON ALTERNATIVE BMP MEASURES. 1. MARK CLEARING LIMITS:

LAND DISTURBING ACTIVITIES ARE DELINEATED AND QUANTIFIED IN THE SWPPP NARRATIVE AND SWPP PLANS PRIOR TO BEGINNING LAND DISTURBING ACTIVITIES WITHIN THE CONSTRUCTION AREA THE CLEARING LIMITS ARE INDICATED ON THE SWPPP SHEET WILL BE DELINEATED. FURTHERMORE, CLEARING AND GRADING WILL BE LIMITED TO ONLY AREAS THAT NEED TO BE DISTURBED FOR GRADING, PLACING OR STOCK PILING FILL AND TO PRESERVE AS MUCH NATURAL VEGETATION AND THE DUFF LAYER AS POSSIBLE.

BMP's: C101 PRESERVING NATURAL VEGETATION

C102 BUFFER ZONES C103 HIGH VISIBILITY PLASTIC OR METAL FENCE

C233 SILT FENCE

2. ESTABLISH CONSTRUCTION ACCESS: ACCESS TO THE CONSTRUCTION SITE SHALL SHALL BE LIMITED TO ONE ROUTE IF POSSIBLE. STREET CLEANING SHALL BE REQUIRED WHEN SEDIMENT IS TRACKED OFF SITE.

C105 STABILIZED CONSTRUCTION ENTRANCE

C106 WHEEL WASH

C107 CONSTRUCTION ROAD/PARKING AREA STABILIZATION

PROPERTIES AND WATERWAYS DOWNSTREAM FROM THE PROJECT SITE SHALL BE PROTECTED FROM SOIL EROSION DUE TO INCREASES IN THE VOLUMETRIC FLOW RATE OF STORMWATER RUNOFF FROM THE PROJECT SITE.

C203 WATER BARS

C207 CHECK DAM

C209 OUTLET PROTECTION

C240 SEDIMENT TRAP C241 TEMPORARY SEDIMENT POND

4. INSTALL SEDIMENT CONTROLS: IF THERE IS RUNOFF FROM THE CONSTRUCTION SITE, SEDIMENT SHALL BE REMOVED FROM THE RUNOFF

C232 GRAVEL FILTER BERM C233 SILT FENCE

C234 VEGETATED STRIP

C240 SEDIMENT TRAF C241 TEMPORARY SEDIMENT TRAP

C250 CONSTRUCTION STORMWATER CHEMICAL TREATMENT C251 CONSTRUCTION STORMWATER FILTRATION

PROVIDE TEMPORARY AND PERMANENT SOIL STABILIZATION TO ALL EXPOSED AND UNWORKED SOILS WITHIN THE PROJECT SITE. FROM OCTOBER I UNTIL APRIL 30. NO EXPOSED SOIL MAY REMAIN EXPOSED AND UNWORKED MORE THAN TWO DAYS; AFTER MAY 1, NO EXPOSED SOIL MAY REMAIN EXPOSED AND UNWORKED FOR MORE

BMP's: C120 TEMPORARY AND PERMANENT SEEDING

C121 MULCHING C122 NETS AND BLANKETS

C123 PLASTIC COVERING C124 SODDING

C125 TOPSOILING / COMPOSTING C126 POLYACRYLÁMIDE FOR SOIL EROSION PROTECTION

C130 SURFACE ROUGHENING C131 GRADIENT TERRACES

C140 DUST CONTROL C180 SMALL PROJECT CONSTRUCTION STORMWATER POLLUTION PREVENTION

(SEE VOLUME I, APPEND 1F)

6. PROTECT SLOPES: CUT AND FILL SLOPES SHALL BE PROTECTED FROM EROSIVE AND CONCENTRATED FLOWS UNTIL PERMANENT COVER AND

DRAINAGE CONVEYANCE SYSTEM ARE IN PLACE.

C120 TEMPORARY AND PERMANENT SEEDING

C121 MULCHING C122 NETS AND BLANKETS

C123 PLASTIC COVERING

C124 SODDING C130 SURFACE ROUGHENING

C131 GRADIENT TERRACES C200 INTERCEPTOR DIKE AND SWALE

C201 GRASS-LINED CHANNELS

C203 WATER BARS C204 PIPE SLOPE DRAINS C205 SUBSURFACE DRAINS

C206 LEVEL SPREADER C207 CHECK DAMS

TEL: (360) 652-5820

EMAIL:

C208 TRIANGULAR SILT DIKE (GEOTEXTILE—ENCASED CHECK DAM)

7. PROTECT PERMANENT DRAIN INLETS:

ALL PERMANENT STORM DRAIN INLETS WILL BE PROTECTED FROM SEDIMENT AND SILT-LADEN WATER.

BMP's: C220 STORM DRAIN INLET PROTECTION

C209 OUTLET PROTECTION

8. STABILIZE CHANNELS AND OUTLETS:

TEMPORARY AND PERMANENT CONVEYANCE SYSTEMS SHALL BE STABILIZED TO PREVENT EROSION DURING AND AFTER

C122 NETS AND BLANKETS C202 CHANNEL LINING C207 CHECK DAMS

9. CONTROL POLLUTANTS:

ALL POLLUTANTS, INCLUDING WASTE MATERIAL, FERTILIZERS/CHEMICALS, ON-SITE FUELING TANKS AND DEMOLITION DEBRIS SHALL BE HANDLED AND DISPOSED OF IN A MANNER THAT DOES NOT CONTAMINATE STORMWATER.

C106 WHEEL WASH

C151 CONCRETE HANDLING

C253 pH CONTROL FOR HIGH pH WATER

C152 SAWCUTTING AND SURFACE POLLUTION PREVENTION C153 MATERIAL DELIVERY, STORAGE AND CONTAINMENT (VOL. IV)

C154 CONCRETE WASHOUT AREA C250 CONSTRUCTION STORMWATER CHEMICAL TREATMENT

C251 CONSTRUCTION STORMWATER FILTRATION C252 HIGH pH NEUTRALIZATION USING CO2

CLEAN, NON-TURBID DE-WATERING WATER CAN BE DISCHARGED TO SYSTEMS TRIBUTARY TO OR DIRECTLY INTO SURFACE WATERS OF THE STATE, PROVIDED THE DE-WATERING FLOW DOES NOT CAUSE EROSION OR FLOODING TO RECEIVING WATERS. HIGHLY TURBID OR CONTAMINATED DE-WATERING WATER SHALL BE HANDLED SEPARATELY FROM STORMWATER.

C203 WATER BARS

C236 PUMPED DISPERSION FIELDS 11. MAINTAIN BMP's:

THE CONTRACTOR WILL PROVIDE INSPECTION AND MAINTENANCE OF THE CONSTRUCTED BMP'S AND WILL COMPLY WITH THEIR REMOVAL AT THE END OF THE PROJECT.

BMP's: C150 MATERIALS ON HAND C160 CERTIFIED EROSION AND SEDIMENT CONTROL LEAD

THE PROJECT SHALL BE MANAGED IN A COOPERATIVE EFFORT BY THE PROJECT MANAGER, CONTRACTOR, ENGINEER, AND THE CITY INSPECTOR. SWPPP'S SHALL BE MODIFIED WHENEVER THERE IS A CHANGE AT THE CONSTRUCTION SITE THAT HAS OR COULD HAVE A SIGNIFICANT EFFECT ON THE DISCHARGE OF POLLUTANTS TO WATERS OF THE STATE. DURING THE CONSTRUCTION PROCESS, IF UNFORESEEN ISSUES ARISE THAT CANNOT BE RESOLVED ON SITE, CONSTRUCTION ACTIVITY (OTHER THAN SWPPP MAINTENANCE) SHALL BE HALTED AND THE CITY INSPECTOR AND THE PROJECT ENGINEER ARE TO BE CONTACTED AND INFORMED OF THE SITUATION.

C150 MATERIALS ON HAND

C160 CERTIFIED EROSION AND SEDIMENT CONTROL LEAD C162 SCHEDULING

13. PROTECT ON-SITE BMPS:

ON-SITE STORMWATER MANAGEMENT BMP'S USED FOR RUNOFF FROM ROOFS AND OTHER HARD SURFACES INCLUDE: FULL DISPERSION, ROOF DOWNSPOUT FULL INFILTRATION OR DISPERSION SYSTEMS, PERFORATEI STUBOUT CONNECTIONS, RAIN GARDENS, BIO-RETENTION SYSTEMS, PERMEABLE PAVEMENT, SHEET FLOW DISPERSION. AND CONCENTRATED FLOW DISPERSION. THE AREAS ON THE SITE TO BE USED FOR THESE BMP'S SHALL BE PROTECTED FROM SILTATION AND COMPACTION DURING CONSTRUCTION BY SEQUENCING THE CONSTRUCTION IN A FASHION TO INSTALL THESE BMP'S AT THE LATTER PART OF THE CONSTRUCTION GRADING OPERATIONS, BY EXCLUDING EQUIPMENT FROM THE BMP'S AND THE ASSOCIATED AREAS, AND BY USING THE EROSION AND SEDIMENTATION CONTROL BMP'S LISTED BELOW. ADDITIONAL REQUIREMENTS FOR PROTECTING THESE BMP'S DURING THE CONSTRUCTION PROCESS, TESTING FUNCTIONALITY, AND RESTORING FUNCTIONALITY, AND RESTORING FUNCTIONALITY ARE NEEDED AT THE FINAL STAGE OF THE CONSTRUCTION PROCESS AND ARE INCLUDED IN THE SPECIFIC BMP SECTIONS IN VOLUME V OF THIS MANUAL.

BMP's: C102: BUFFER ZONE C103: HIGH VISIBILITY FENCE

C200: INTERCEPTOR DIKE AND SWALE

C201: GRASS LINED CHANNELS

C207: CHECK DAMS C208: TRIANGULAR SILT DIKE (GEOTEXTILE—ENCASED CHECK DAM)

C231: BRUSH BARRIER C233: SILT FENCE

C234: VEGETATED STRIP

SITE GRADING AND SWPP NOTES

- 1. EROSION AND SEDIMENTATION CONTROL SHALL COMPLY WITH THE MINIMUM REQUIREMENTS OF SCC SECTION TITLE 30.63A NONCOMPLIANCE WITH THE EROSION CONTROL REQUIREMENTS, WATER QUALITY REQUIREMENTS AND CLEARING LIMITS VIOLATIONS MAY RESULT IN REVOCATION OF PROJECT PERMITS, PLAN APPROVAL AND BOND FORECLOSURES.
- 2. THE STORMWATER POLLUTION PREVENTION (SWPP) BMP'S SHALL BE CONSTRUCTED PRIOR TO ANY LAND DISTURBANCE OR EXTENSIVE LAND CLEARING IN ACCORDANCE WITH THE APPROVED TARGETED PLAN. THESE FACILITIES MUST BE SATISFACTORILY MAINTAINED UNTIL CONSTRUCTION AND LANDSCAPING IS COMPLETED AND POTENTIAL FOR ON—SITE FROSION HAS PASSED. SEDIMENT LADEN WATERS SHALL NOT ENTER THE NATURAL DRAINAGE SYSTEM.
- 3. THE DEVELOPER/CESCL IS RESPONSIBLE FOR THE WATER QUALITY AS DETERMINED BY THE MONITORING PROGRAM, ESTABLISHED BY THE ENGINEER. THE PROJECT ENGINEER'S/CESCL NAME AND PHONE NUMBER ARE: MAC ENGINEERING,
- 4. ALL SITE WORK MUST COMPLY TO CHAPTER 18 OF THE INTERNATIONAL BUILDING CODE AND TITLES 30.63A, 30.63B AND 7.53 OF THE SNOHOMISH COUNTY DEVELOPMENT CODE (LATEST EDITIONS).
- 5. ALL LAND DISTURBANCE WORK SHALL BE PERFORMED IN ACCORDANCE WITH COUNTY STANDARDS.
- 6. IF CUT AND FILL SLOPES EXCEED A MAXIMUM OF TWO FEET HORIZONTAL TO ONE FOOT VERTICAL, A ROCK 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 ENGINÉER EXPERIENCED IN SOILS MECHANICS. ALL WALLS EXCEEDING 30" HIGH SHALL HAVE A 4' HIGH CHAIN LINK FENCE ALONG TOP.
- 7. STOCKPILES ARE TO BE LOCATED SUCH THAT SEDIMENT WILL NOT LEAVE SITE. TEMPORARY COVER (BMP's) SHALL CONSIST OF HYDROSEEDING, MULCHING, OR COVERING DISTURBED AREAS AND STOCK PILES WITH PLASTIC
- 8. STRUCTURAL BACKFILL AND COMPACTION OF VAULT, ROCKERY, RETAINING WALL FOOTINGS AND WALLS, AND ROADWAY TRENCH RESTORATION SHALL BE MONITORED, INSPECTED, AND COMPACTION TESTED BY A LICENSED GEOTECHNICAL ENGINEER. FIELD DENSITY TESTS SHALL INDICATE A MINIMUM COMPACTION OF 95% OF MAXIMUM DENSITY DETERMINED IN ACCORDANCE WITH ASTM D-1557-70 (MODIFIED PROCTOR). COMPACTION TEST RESULTS TO BE SUBMITTED TO COUNTY
- 9. THE SURFACE OF ALL SLOPES SHALL BE COMPACTED. THIS MAY BE ACCOMPLISHED BY OVER-BUILDING THE SLOPES, THEN CUTTING BACK TO FINAL GRADES, OR BY RUNNING THE COMPACTOR OVER THE SLOPE AS EACH FILL LIFT IS BEING PLACED. ALL SLOPES SHALL BE COMPACTED BY THE END OF EACH WORKING DAY.
- 10. EARTH QUANTITIES (CUTS & FILLS) SHOWN ON PLANS ARE ESTIMATES ONLY AND ARE NOT ADJUSTED FOR EXPANSION OR COMPACTION. THE CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF ACTUAL QUANTITIES AS REQUIRED.
- 11. AREAS TO RECEIVE FILL SHALL BE PREPARED BY REMOVING UNSUITABLE MATERIAL SUCH AS CONCRETE SLABS, TREE

14. STABILIZING EXPOSED SOIL. THE CONTRACTOR SHALL STABILIZE DENUDED AREAS AND SOIL STOCK PILES AS FOLLOWS:

- 12. FILL MATERIALS SHALL BE AS SPECIFIED IN GENERAL NOTE 1., UNLESS SHOWN OTHERWISE ON PLANS.
- 13. LAND DISTURBANCE FROM OCTOBER 1st TO MARCH 31st IS NOT PERMITTED WITHOUT SPECIFIC APPROVAL.
- [30.63A.220(1)] a. IF PERMITTED, FROM OCTOBER 1 TO APRIL 30, NO SOIL MAY REMAIN EXPOSED FOR MORE THAN 2 DAYS.
- b. FROM MAY 1 TO SEPTEMBER 30, NO SOIL MAY REMAIN EXPOSED FOR MORE THAN 7 DAYS. c. SOIL STOCKPILES SHALL BE STABILIZED OR PROTECTED WITH SEDIMENT RETENTION BMP's WITHIN 24 HOURS OF
- 15. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY BMP'S ARE NO LONGER NEEDED. TRAPPED SEDIMENT SHALL BE REMOVED OR STABILIZED ON SITE. DISTURBED SOIL AREAS RESULTING FROM REMOVAL SHALL BE

WET WEATHER GRADING NOTES

- 1. THE CONSTRUCTION SEQUENCE SHALL BE MODIFIED TO MINIMIZE THE AREA OF SOIL EXPOSED.
- 2. EARTHEN AREAS THAT ARE SUBJECT TO CONTRIBUTING SEDIMENTS DURING STORM EVENTS AND WHERE EARTH MOVEMENT IS NOT ANTICIPATED FOR 48-HOURS SHALL BE STABILIZED USING THE FOLLOWING BMPS: HYDROSEEDING & MULCHING (4" THICK STRAW) OR COVERING DISTURBED AREAS AND STOCK PILES WITH PLASTIC SHEETING.
- 3. WET WEATHER TESC MEASURES WILL BE EXPANDED TO INCLUDE CONSTRUCTION AREA STABILIZATION, (EXTEND CONSTRUCTION ENTRANCE), SEDIMENT TRAPS, AND ADDITIONAL SILT FENCES, IF NECESSARY. WINTER CONDITIONS TEMPORARY EROSION & SÉDIMENT CONTROL BMP'S: FROM OCTOBER 1 TO APRIL 30. NO SOIL MAY REMAIN EXPOSED FOR MORE THAN 2 DAYS, OTHERWISE NO SOIL MAY REMAIN EXPOSED FOR MORE THAN 7 DAYS. COVER PRACTICES: THE EXISTING VEGETATION SHOULD BE LEFT UNDISTURBED WHERE POSSIBLE TO LIMIT EROSION. DISTURBED AREAS SHALL BE COVERED WITH MULCH, SOD, PLASTIC OR MATTING, STOCKPILES OR SLOPES STEEPER THAN 2:1 SHALL BE STABILIZED OR PROTECTED WITH SEDIMENT RETENTION BMPS WITHIN 24 HOURS OF FORMATION. STRUCTURAL PRACTICES: SILT FENCES AROUND THE PERIMETER WILL PREVENT SEDIMENT LADEN WHERE ACTIVE GRADING IS IN PROGRESS. THE DIRECTOR MAY EXTEND THE DEADLINE FOR SOIL STABILIZATION UPON DETERMINING THAT THE LIKELIHOOD OF EROSION IMPACTS IS LOW BASED ON THE TYPE AND AMOUNT OF SOIL EXPOSED, SITE TOPOGRAPHY, THE POTENTIAL FOR DISCHARGE TO CRITICAL AREAS AND LAKES, AND OTHER FACTORS. DISTURBED AREAS SHALL BE COVERED WITH MULCH, SOD, PLASTIC OR MATTING, GRADING CONSTRUCTION SHALL BE TIMED AND CONDUCTED IN STAGES TO MINIMIZE SOIL EXPOSURE.
- 4. SOILS SHALL NOT BE DISTURBED EXCEPT FOR ACTUAL CONSTRUCTION ACTIVITIES. PARKING IS ALLOWED ONLY ON PAVED AND/OR GRAVEL SURFACES.
- 5. SLOPES 8% AND GREATER WITHOUT ESTABLISHED GROUNDCOVER WILL BE STABILIZED WITH PLASTIC SHEETING, 6—MIL (MINIMUM). THE SHEETING SHALL BE ANCHORED WITH SAND BAGS LOCATED 5—FEET APART ON THE PERIMETER AND O-FEET ON CENTER ON THE REMAINDER OF THE SHEETING. A MINIMUM OF 2-FEET OVERLAP IS REQUIRED FOR
- 6. WATER DISCHARGED FROM THE SITE WILL BE MONITORED FOR TURBIDITY. THE MAXIMUM ALLOWABLE TURBIDITY OF DISCHARGED WATER WILL BE 5 NTU OVER BACKGROUND.
- 7. WHEN RAINFALL IS HEAVY (DEFINED AS RAINFALL HARD ENOUGH TO PRODUCE SEDIMENT RUN-OFF FROM EXPOSED DIRT), ALL EXPOSED EARTHWORK SHALL BE COVERED. NO OTHER CONSTRUCTION ACTIVITY SHALL OCCUR ON PERVIOUS SURFACES DURING THESE PERIODS OF HEAVY RAIN.
- 8. ALL DRAINAGE SWALES SHALL BE FULLY VEGETATED. SWALES SHALL BE SODDED IF THE VEGETATION GROWING IN THE SWALE IS INSUFFICIENT TO PROVIDE WATER QUALITY AND TO PREVENT EROSION OF THE SWALE
- 9. FILTER FABRIC (GEOTEXTILE FABRIC) SHALL BE INSTALLED BENEATH THE ENTIRE CONSTRUCTION ENTRANCE.
- 10. IF THERE IS A MEASURABLE INCREASE IN THE TURBIDITY OF THE RECEIVING WATER GREATER THAN 5 NTU'S, THE WATER IN THE TEMPORARY SEDIMENTATION POND SHALL BE PUMPED TO UNDISTURBED VEGETATION ON SITE.

BMP NOTES:

THE EXISTING VEGETATION SHOULD BE LEFT UNDISTURBED WHERE POSSIBLE TO LIMIT EROSION. DISTURBED AREAS SHALL BE COVERED WITH MULCH AND/OR MATTING. STOCKPILES OR SLOPES STEEPER THAN 2:1 SHALL BE COVERED WITH PLASTIC SHEETING HELD IN PLACE WITH SAND BAGS.

PERMANENT COVER BMP (HYDROSEEDING GENERAL NOTES)

CONSTRUCTION ACCEPTANCE WILL BE SUBJECT TO WELL ESTABLISHED GROUND COVER THAT FULFILLS:

- 1. THE REQUIREMENT OF THE APPROVED CONSTRUCTION PLANS AND CHAPTER 30.63A, SNOHOMISH COUNTY DRAINAGE
- 2. ALL LAND DISTURBANCE 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 HYDROSFEDER OR AS OTHERWISE APPROVED BY SNOHOMISH COUNTY.
- 3. PREPARATION OF SURFACE: ALL AREAS TO BE SEEDED SHALL BE CULTIVATED TO THE SATISFACTION OF THE COUNTY INSPECTOR. THIS MAY BE ACCOMPLISHED BY DISCING, RAKING, HARROWING OR OTHER ACCEPTABLE MEANS.
- 4. IMMEDIATELY FOLLOWING FINISH GRADING, PERMANENT VEGETATION (CONSISTING OF RAPID, PERSISTENT AND LEGUME) WILL BE APPLIED. (MINIMUM 80# PER ACRE). THIS IS TO INCLUDE THE FOLLOWING: 40% PERENNIAL RYE, 40% RED FESCUE, 10% WHITE DUTCH CLOVER, 10% COLONIAL BENTGRASS. HYDROSEED REQUIRED.
- 5. Fertilizer: Shall be applied at 400# per acre of 10-20-20 (10 ib. per 1,100 square feet) or equivalent.

POTENTIAL POLLUTANTS

THERE ARE THREE TYPES OF POTENTIAL POLLUTANTS THAT THIS SWPPP IS INTENDED TO ADDRESS:

- 2. PETROLEUM PRODUCTS

REASONABLE CARE AND DISCRETION SHALL BE EXERCISED TO PREVENT DAMAGING THE ENVIRONMENT THROUGH A RELEASE OF ANY OF THE THREE TYPES OF POLLUTION. THIS SWPPP IS TO BE CONSIDERED A GUIDE, AND REPRESENTS ONLY THE MINIMUM STANDARD OF CARE TO BE PRACTICED DURING THE CONSTRUCTION PHASE OF THIS PROJECT. A CERTIFIED EROSION AND SEDIMENT CONTROL LEAD (CESCL) SHALL BE RESPONSIBLE FOR EVALUATING THE CONDITIONS AND POLLUTION POTENTIAL ON THE PROJECT SITE AT ALL TIMES AND DETERMINING WHAT ADDITIONAL MEASURES NEED TO BE ENACTED TO PROTECT THE ENVIRONMENT. THIS MAY INCLUDE STOPPING CONSTRUCTION UNTIL CONDITIONS CHANGE SUCH THAT THE DANGER TO THE

HAZARDOUS CHEMICALS

HAZARDOUS CHEMICALS, SUCH AS CLEANING AGENTS AND SOLVENTS, SHALL BE STORED IN AN APPROVED CHEMICAL STORAGE FACILITY(IES), LOCATED IN THE EQUIPMENT STAGING AREA. WHEN USING CHEMICALS DURING CONSTRUCTION ACTIVITY, CARE SHALL BE TAKEN TO GUARD AGAINST SPILLAGE. IN THE EVENT OF A CHEMICAL RELEASE, THE APPROPRIATE AUTHORITIES ARE TO BE NOTIFIED AND THE SPILL IS TO BE CLEANED UP IMMEDIATELY.

PETROLEUM PRODUCTS

THE CONSTRUCTION SITE IS TO BE PROTECTED AGAINST EXCESSIVE PETROLEUM POLLUTION. ALL CONSTRUCTION EQUIPMENT AND VEHICLES SHALL HAVE A REGULAR MAINTENANCE SCHEDULE, AS RECOMMENDED BY THE PRODUCT MANUFACTURER, WITH PARTICULAR ATTENTION/CARE BEING PAID TO LOCATIONS THAT ARE COMMONLY KNOWN TO LEAK LUBRICANTS. UPON DISCOVERY OF AN UNSATISFACTORY PART, THAT VEHICLE/EQUIPMENT SHALL NOT BE OPERATED UNTIL IT HAS BEEN FIXED. ADDITIONALLY, ALL OIL AND REFUELING OPERATIONS ARE TO BE CONDUCTED IN A DESIGNATED AREA THAT HAS BEEN PREPARED TO PREVENT THE LOSS OF SPILLED OIL/FUEL TO THE ENVIRONMENT THROUGH THE USE OF A LINER, SPILL TRAP OR OTHER MEANS.

THE RELEASE OF SEDIMENT TO THE ENVIRONMENT SHALL BE PREVENTED AT ALL TIMES. THE FOLLOWING BMP'S ARE TO BE CONSIDERED THE MINIMUM PROTECTION MEASURES:

- 1. THE DISTRIBUTION/TRACKING OF MUD/SEDIMENT ONTO ROADS FROM CONSTRUCTION EQUIPMENT/VEHICLES SHALL BE PREVENTED. THE CONSTRUCTION SITE SHALL BE ACCESSED VIA A ROCK CONSTRUCTION ENTRANCE, UNDERLAIN BY A GEO-TEXTILE FABRIC. THE CONSTRUCTION ENTRANCE SHALL BE EXTENDED IF NECESSARY TO PROVIDE ACCESS TO THE EMPLOYEE PARKING AND EQUIPMENT STAGING AREAS. PRIOR TO LEAVING THE CONSTRUCTION SITE, CONSTRUCTION EQUIPMENT/VEHICLES SHALL BE INSPECTED FOR MUD/SEDIMENT AND ALL WHEELS AND SURFACES ARE TO BE BRUSHED/CLEANED/WASHED AS NECESSARY PRIOR TO LEAVING THE CONSTRUCTION SITE. ADDITIONALLY, THE EXISTING PAVEMENT OF ROAD SYSTEMS ADJACENT TO THE PROJECT SITE WILL BE SWEPT DAILY WHEN SEDIMENT IS TRACKED OFF
- 2. COVER MATERIALS (I.E. STRAW, MULCH OR PLASTIC SHEETING) SHALL BE STORED ON SITE IN SUFFICIENT QUANTITIES SUCH THAT ALL PORTIONS OF EXPOSED EARTH CAN BE COMPLETELY COVERED TO PREVENT EROSION. RUNOFF FROM THE AREA THAT IS PROPOSED TO BE DISTURBED SHALL BE INTERCEPTED BY INTERCEPTOR CHANNELS, AND CONVEYED TO A TEMPORARY SEDIMENTATION POND. DISCHARGE FROM THE TEMPORARY POND WILL BE THROUGH A GRAVEL FILTER CONE TO THE EXISTING STORM SYSTEM.
- 3. THE PLANNED CONSTRUCTION ACTIVITIES SHALL BE EVALUATED ON A DAILY BASIS, TAKING INTO CONSIDERATION THE LATEST WEATHER FORECAST. THE WEATHER FORECAST SHALL DICTATE WHETHER LARGE-SCALE EARTH MOVING OPERATIONS SHALL COMMENCE OR CONTINUE. IF PRECIPITATION OCCURS DURING CONSTRUCTION ACTIVITY, AND IS INTENSE ENOUGH TO GENERATE RUNOFF, ALL EARTH MOVING ACTIVITIES SHALL CEASE AND EXPOSED EARTH SHALL BE COVERED TO PREVENT EROSION, WHILE PRECIPITATION PERSISTS, THE ONLY CONSTRUCTION ACTIVITY THAT SHALL BE ALLOWED ARE THOSE ACTIVITIES REQUIRED TO MAINTAIN EXISTING EROSION CONTROL MEASURES, INSTALL NEW EROSION CONTROL BMP'S AS NECESSARY AND NON-EROSION/SEDIMENT GENERATING ACTIVITIES.
- 4. CONSTRUCTION ACTIVITIES SHALL BE PHASED TO MINIMIZE THE SURFACE AREA OF EXPOSED EARTH AT ANY GIVEN TIME. THE CLEARING/GRADING LIMITS ARE IDENTIFIED ON THE PLAN SHEET.
- 5. SPECIFY BMP FOR CLEANING PAVEMENT SURFACES AT THE END OF EACH WORKING DAY.

CITY OF MARYSVILLE CONSTRUCTION DRAWING REVIEW ACKNOWLEDGMENT

THIS PLAN SHEET HAS BEEN REVIEWED AND EVALUATED FOR GENERAL COMPLIANCE WITH THE APPLICABLE CITY OF MARYSVILLE CODES AND ORDINANCES. CONFORMANCE OF THIS DESIGN WITH ALL APPLICABLE LAWS AND REGULATIONS IS THE FULL AND COMPLETE RESPONSIBILITY OF THE LICENSED DESIGN ENGINEER, WHOSE STAMP AND SIGNATURE APPEAR ON THIS SHEET. ACKNOWLEDGMENT OF CONSTRUCTION DRAWING REVIEW DOES NOT IMPLY CITY APPROVAL FOR CONSTRUCTION ACTIVITIES THAT REQUIRED OTHER COUNTY, STATE OR FEDERAL PERMIT REVIEW AND APPROVAL. THE PROPERTY OWNER AND LICENSED DESIGN ENGINEER SHALL BE RESPONSIBLE FOR THE ACQUISITION AND COMPLIANCE OF ALL APPLICABLE PERMITS OR AUTHORIZATIONS WHICH MAY INCLUDE, BUT ARE NOT LIMITED TO, WSDFW HYDRAULIC PROJECT APPROVAL (HPA). WSDOE NOTICE OF INTENT (NOI), ANY CORP OF ENGINEERS FILL PERMITS AND THE REQUIREMENTS OF THE ENDANGERED SPECIES ACT.

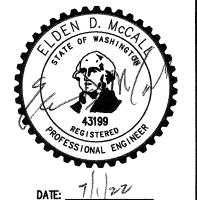
___DAY OF_______, 202__

PE - ENGINEERING SERVICES MANAGER

THESE APPROVED CONSTRUCTION PLANS EXPIRE AFTER PERIOD OF 18 MONTHS FROM THE DATE SHOWN ABOVE OR UPON EXPIRATION OF PRELIMINARY PLAT OR SITE PLAN

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PFN: DRAINAGE SWPPP NOTES

PROJECT NO.