# SKAGIT COUNTY PARKS & RECREATION PAVING MAINTENANCE SKAGIT COUNTY FAIRGROUNDS

SEC. 30, TWP. 34N., RGE. 04 E., W.M. CITY OF MOUNT VERNON, SKAGIT COUNTY, WASHINGTON

## SHEET INDEX

**COVER SHEET EXISTING CONDITION PLAN DEMOLITION & TESC PLAN TESC NOTES & DETAILS PAVING PLAN (1) PAVING PLAN (2)** 

**DETAILS NOTES** 

CALL BEFORE YOU DIG FOR BURIED UTILITY LOCATIONS 1-800-424-5555

## **LEGEND**

= EXISTING STORM DRAIN CATCH BASIN = EXISTING STORM DRAIN CATCH BASIN MANHOLE = EXISTING STORM DRAIN CLEANOUT ■ = PROPOSED STORM DRAIN CATCH BASIN = EXISTING SANITARY SEWER MANHOLE = EXISTING SANITARY SEWER CLEANOUT = EXISTING WATER METER BOX = EXISTING FIRE HYDRANT = EXISTING WATER FOUNTAIN = EXISTING POWER/AND OR UTILITY POLE = EXISTING GUY POLE = EXISTING GUY WIRE = EXISTING ELECTRICAL TRANSFORMER = EXISTING POWER VAULT/CONTROL PANEL = EXISTING POWER JBOX/HANDHOLD → = EXISTING LIGHT POLE -O- = EXISTING UTILITY POLE ■ EXISTING TV BOX □ = EXISTING TELEPHONE PEDESTAL = EXISTING FLAG POLE = EXISTING LANDSCAPING GM = EXISTING GAS METER = PROPOSED FLOW DIRECTION ARROW  $\frac{X}{XXX}$  = DETAIL CALLOUT

--- G --- = EXISTING GAS MAIN --- w--- = Existing water line ----SFM ----SFM = EXISTING SEWER FORCE MAIN --D--D--D--D-DRAIN LINE SD —— SD — PROPOSED STORM DRAIN LINE (SOLID WALL) ------ = EXISTING CHAIN LINK FENCE — — — 10— — = EXISTING CONTOUR (INDEX) ---- = EXISTING CONTOUR (NORMAL) = PROPOSED CONTOUR (NORMAL) = PROPOSED SPOT ELEV @ TOP OF PAVEMENT = PROPOSED ASPHALT PAVEMENT w/ TOP COURSE = PROPOSED ASPHALT PAVEMENT (FULL DEPTH REPLACEMENT) PROPOSED ASPHALT OVERLAY

= RESTORE W/ TOPSOIL & GRASS SEED

## PROJECT INFORMATION

## **OWNER**

SKAGIT VALLEY COLLEGE/SKAGIT COUNTY PARKS & REC 1730 CONTINENTAL PLACE MOUNT VERNON, WA 98273 (360) 416-1356 BRIANA@CO.SKAGIT.WA.US

## **ARCHITECT**

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## **CIVIL ENGINEER**

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## **SURVEYOR**

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## TAX PARCEL #

# **FIBER OPTIC** GARY VERVALIN

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## **PUGET SOUND ENERGY**

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**FRONTIER** 

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CHRIS PARMETER

595 PEASE ROAD

SKAGIT PUD #1 MIKE DEMERS" P.O. BOX 1436 MOUNT VERNON, WA 98273 TEL: (360) 242-7104 demers@skagitpud.com

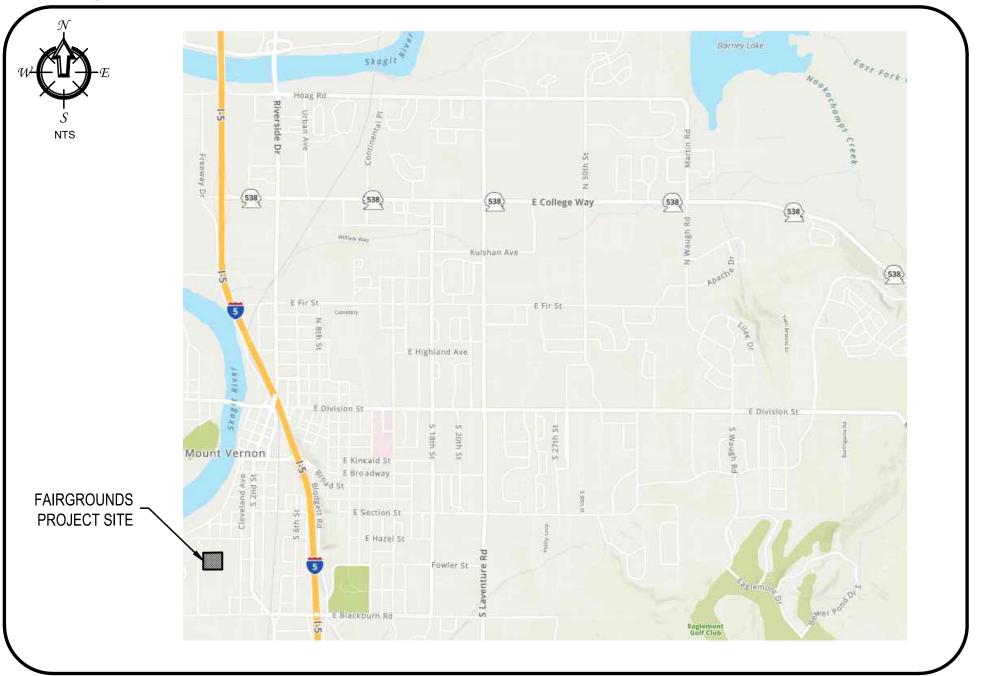
#### **CITY ENGINEERING INSPECTION** INSPECTION REQUESTS TO BE SCHEDULED USING PERMIT PORTAL AT:

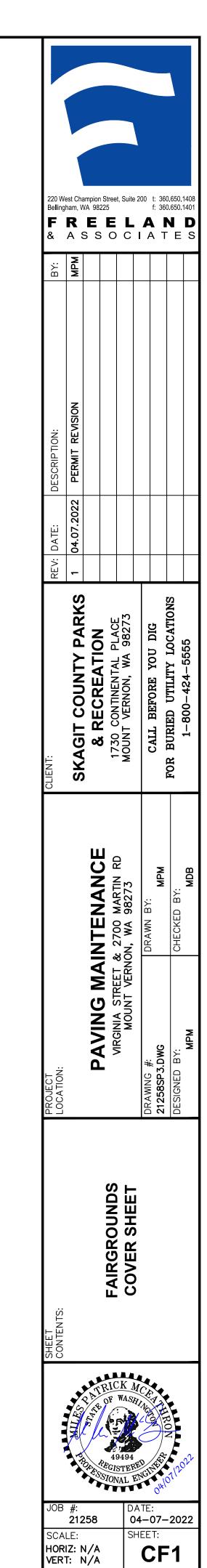
https://ci-mountvernon-wa.smartgovcommunity.com/Application/ApplicationInspectionRequest DEVELOPMENT SERVICES ENGINEERING MANAGER

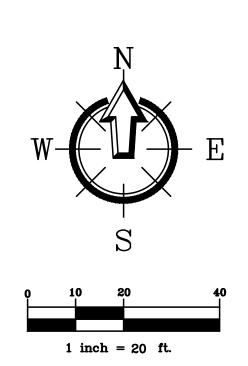
ALAN DANFORTH TEL: (360) 336-6214 aland@mountvernonwa.gov



## **VICINITY MAP**









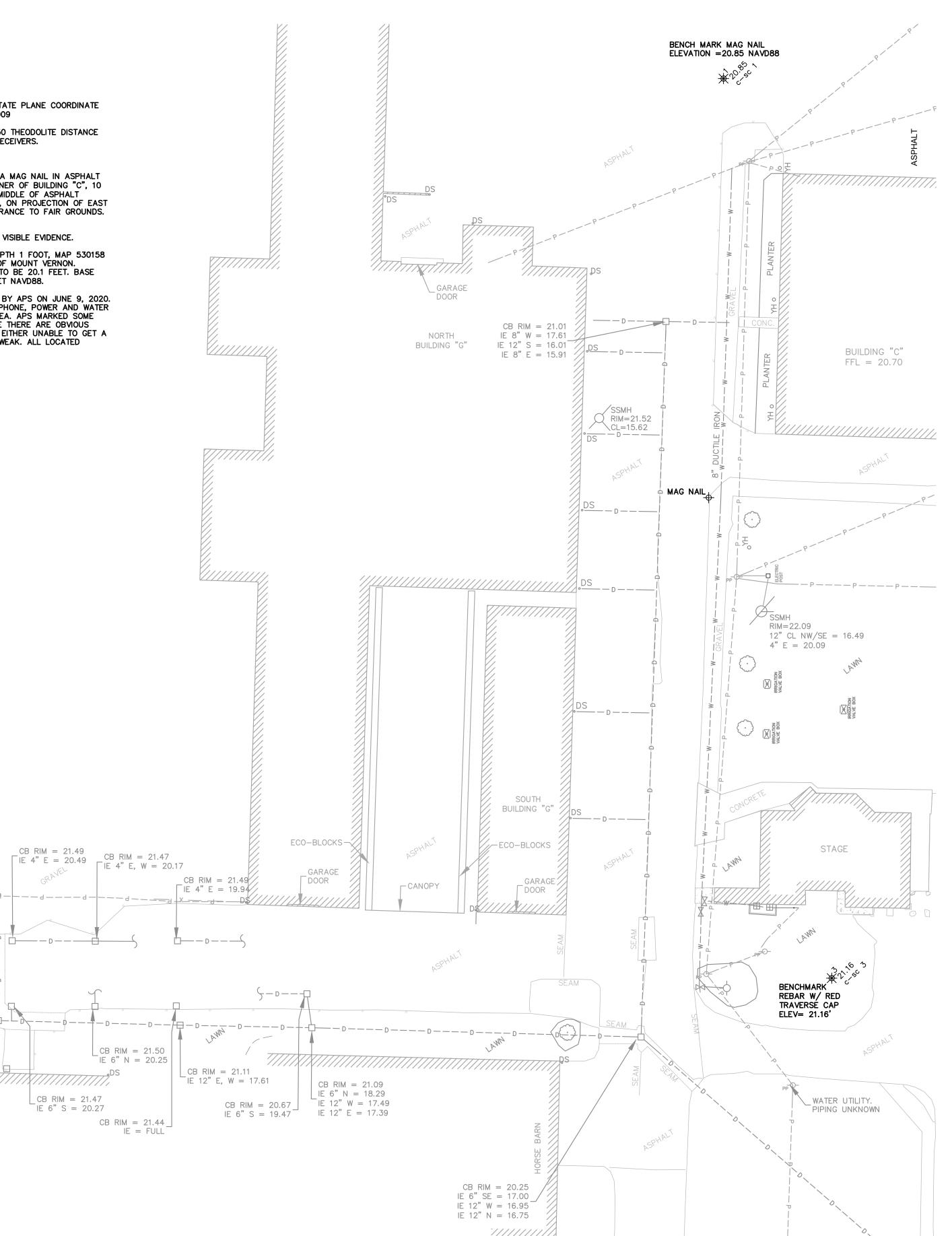
- BASIS OF BEARING: WASHINGTON STATE PLANE COORDINATE NORTH ZONE NO. 4601, NAD 83/2009
- INSTRUMENTATION USED: LEICA MS50 THEODOLITE DISTANCE METER, LEICA VIVA 14 GPS/GNSS RECEIVERS.

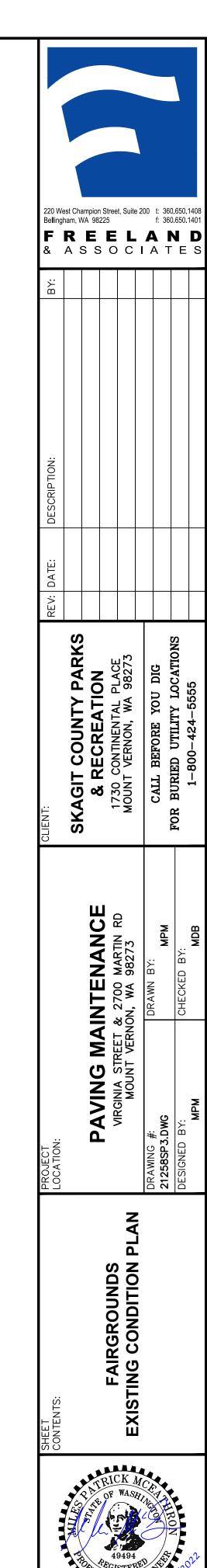
#### 3. DATUM: NAVD88

- 4. BENCH MARK FOR THIS SURVEY IS A MAG NAIL IN ASPHALT LOCATED OFF THE NORTHWEST CORNER OF BUILDING "C", 10 FEET WEST OF A CATCH BASIN IN MIDDLE OF ASPHALT ROADWAY NORTH OF SAID BUILDING, ON PROJECTION OF EAST EDGE OF ASPHALT FOR NORTH ENTRANCE TO FAIR GROUNDS. ELEVATION 20.85 NAVD88.
- 5. UTILITIES SHOWN HERON ARE FROM VISIBLE EVIDENCE.
- BUILDING IS IN FLOOD ZONE AO, DEPTH 1 FOOT, MAP 530158 00002 B, JANUARY 3, 1985, CITY OF MOUNT VERNON. NATURAL GRADE WAS DETERMINED TO BE 20.1 FEET. BASE FLOOD ELEVATION (BFE) IS 21.1 FEET NAVD88.
- 7. UTILITY LOCATES WERE PERFORMED BY APS ON JUNE 9, 2020. LOCATION FOUND ELECTRICAL, TELEPHONE, POWER AND WATER UTILITIES AROUND THE PROJECT AREA. APS MARKED SOME WATER AND POWER UTILITIES WHERE THERE ARE OBVIOUS UTILITY FEATURES, YET THEY WERE EITHER UNABLE TO GET A SIGNAL OR THE SIGNAL WAS VERY WEAK. ALL LOCATED UTILITIES WERE FIELD CHECKED.

POWER OUTLET

CB RIM = 21.28 VE 12" E, N = 17.80

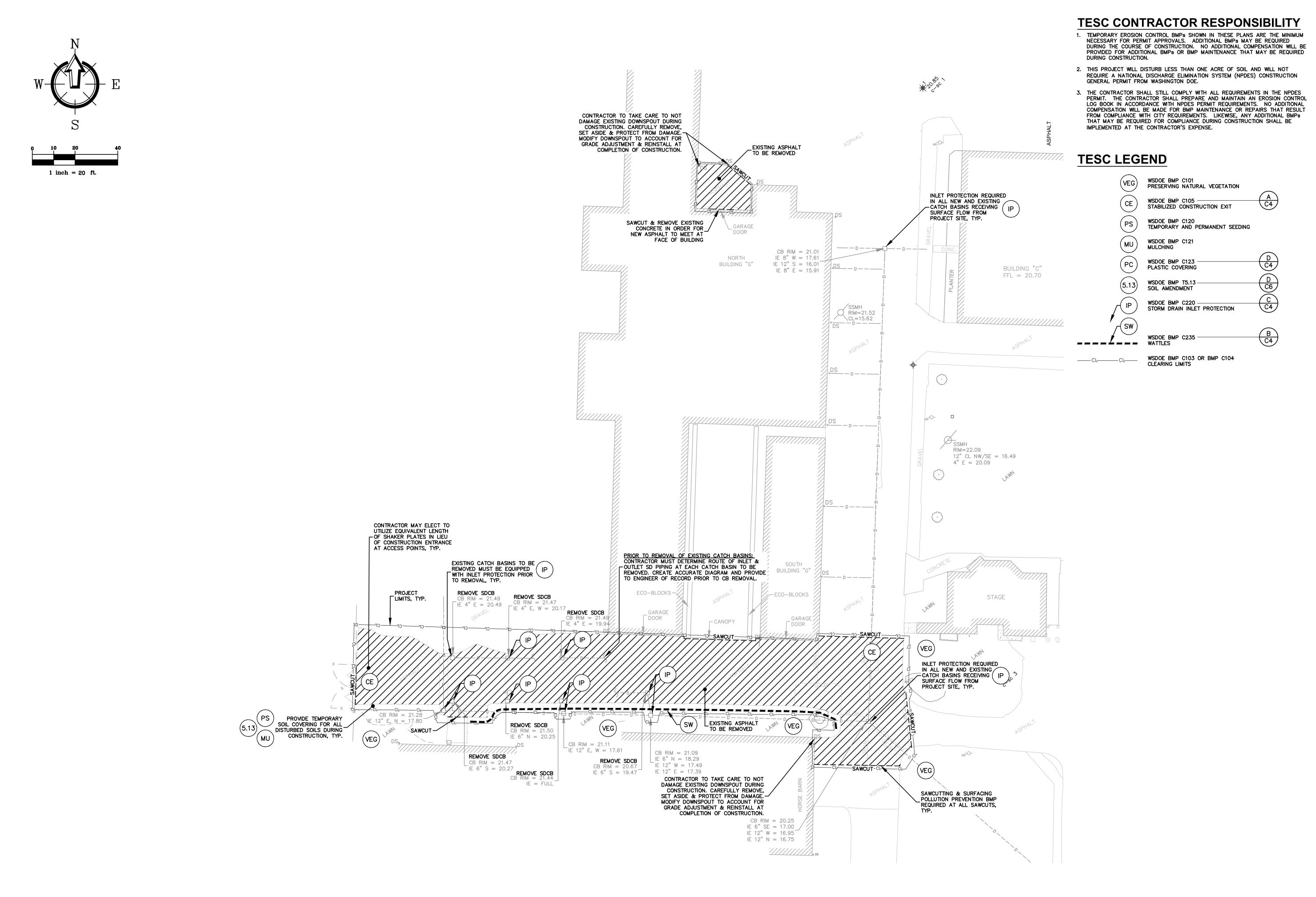




DATE: **04–07–2022** 

21258

SCALE: HORIZ: 1"=20' VERT: N/A



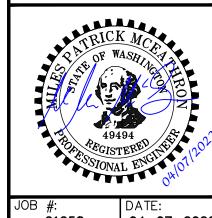


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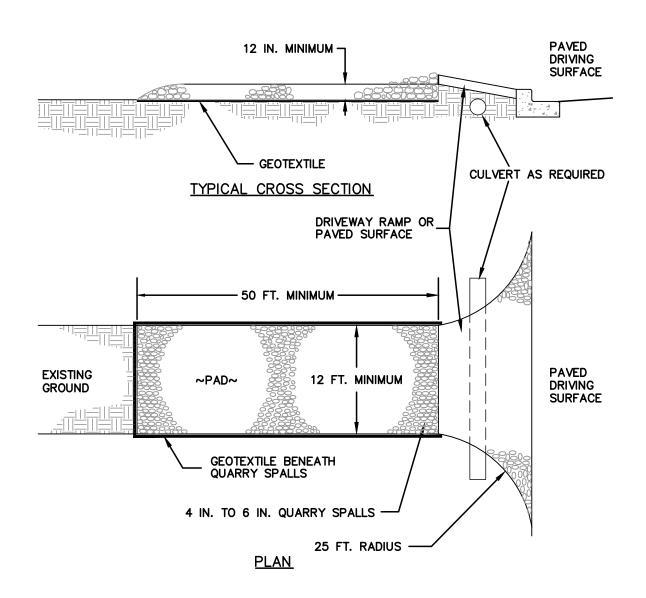
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FAIRGROUNDS
DEMOLITION & TESC PLAN
DRAW

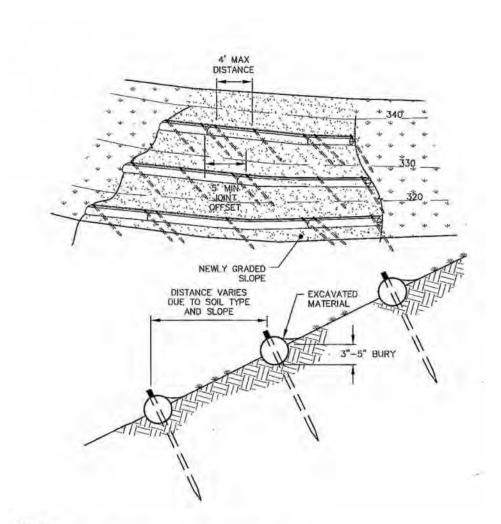
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- PAD SHALL BE REMOVED AND REPLACED WHEN SOIL IS EVIDENT ON THE SURFACE OF THE PAD OR AS DIRECTED BY WHATCOM COUNTY.
- 2. PAD THICKNESS SHALL BE INCREASED IF SOIL CONDITIONS DICTATE OR PER THE DIRECTION OF ENGINEER OF RECORD OR THE CERTIFIED EROSION & SEDIMENTATION
- 3. MINIMUM DIMENSIONS MAY BE MODIFIED AS REQUIRED BY SITE CONDITIONS UPON APPROVAL OF WHATCOM COUNTY.



2. ROLLS SHALL BE ALIGNED PARALLEL TO ELEVATION CONTOURS. 3. HYDROSEED OR MULCH SLOPE FOR ADDITIONAL EROSION CONTROL.

1. JOINTS MUST BE OFFSET BY NO LESS THAN FIVE FEET.

、STRAW WATTLE

1. INSERT SHALL BE INSTALLED PRIOR TO CLEARING AND GRADING ACTIVITY, OR UPON PLACEMENT OF A NEW CATCH BASIN.

GEOTEXTILE FABRIC

OVERFLOW BYPASS FOR

PEAK STORM VOLUMES

L SEDIMENT ACCUMULATION

2. SEDIMENT SHALL BE REMOVED FROM THE UNIT WHEN IT BECOMES HALF FULL

ADAPTOR SKIRT TRIM TO

WITHIN 3"-5" OF GRATE

3. SEDIMENT REMOVAL SHALL BE ACCOMPLISHED BY REMOVING THE INSERT, EMPTYING, AND RE-INSERTING IT INTO THE CATCH BASIN.

# (C) STORM DRAIN INLET PROTECTION nts

# A TEMP. CONSTRUCTION ENTRANCE

#### SWPPP ELEMENT 1: MARK CLEARING LIMITS: THE PROJECT SITE IS CONTAINED WITHIN A DEVELOPED COMPLEX. LIMITS OF DISTURBANCE ARE MARKED AS CLEARING LIMITS ON THE PLANS. EXISTING VEGETATION AND GRASS SHALL BE MAINTAINED IN AN UNDISTURBED STATE TO THE MAXIMUM EXTENT POSSIBLE. THERE ARE NO EXISTING TREES TO BE RETAINED OR REMOVED WITHIN THE PROJECT LIMITS.

#### SWPPP ELEMENT 2: ESTABLISH CONSTRUCTION ACCESS: A STABILIZED CONSTRUCTION ENTRANCE WILL BE INSTALLED AT LOCATIONS IDENTIFIED ON THE PLAN FOR ACCESS. ALL CONSTRUCTION TRAFFIC, SUCH AS PERSONAL VEHICLES, WORK TRUCKS, ETC. THAT WILL ROUTINELY LEAVE THE SITE SHALL REMAIN ON EXISTING PAVED SURFACES AS MUCH AS POSSIBLE. CONSTRUCTION PERSONNEL, VEHICLES, AND EQUIPMENT SHALL NOT BLOCK OR OBSTRUCT ACCESS IN THE PARKING LOT. CONSTRUCTION TRAFFIC MAY ONLY LEAVE THE EXISTING STABILIZED SURFACES IF NECESSARY FOR EQUIPMENT OR MATERIAL TRANSFERS AS LONG AS ALL DISTURBANCE IS REPAIRED TO ORIGINAL CONDITION. PAVED ROADS WILL BE CLEANED AT THE END OF EACH DAY AND SEDIMENT TRANSPORTED TO ROADS WILL BE SWEPT AND DISPOSED OF AT A CONTROLLED DISPOSAL AREA. BMPS CONSIDERED FOR THIS ELEMENT INCLUDE: HOUSEKEEPING/MAINTENANCE BMP: DAILY STREET SWEEPING AND

SWPPP ELEMENT 3: CONTROL FLOW RATES: THE PROPOSED PROJECT IS CONTAINED WITHIN A COMPLETELY DEVELOPED COMPLEX. CONSTRUCTION WILL BE LOCATED WITHIN AREA THAT IS ALREADY PAVED. PEAK FLOWS DURING CONSTRUCTION ARE NOT EXPECTED TO EXCEED EXISTING FLOW RATES. THIS PROJECT DOES NOT REQUIRE STORMWATER DETENTION. NO ADDITIONAL DOWNSTREAM ANALYSIS IS NECESSARY SINCE THE PROJECT WILL REPLACE AN EXISTING DEVELOPMENT. PROPOSED FACILITIES WILL MIMIC EXISTING FLOWS FROM THE SITE. NO SEDIMENT LADEN WATER SHALL DISCHARGE TO THE DRAINAGE SYSTEM. NO STORMWATER INFILTRATION FACILITIES WILL BE INSTALLED AS A PART OF THIS PROJECT.

## SWPPP ELEMENT 4: INSTALL SEDIMENT CONTROLS:

BMP C105: STABILIZED CONSTRUCTION ENTRANCE.

SEDIMENT CONTROLS WORK IN CONJUNCTION WITH BMPS IN ELEMENT #5: SOIL STABILIZATION TO RETAIN SEDIMENT ON SITE TO THE MAXIMUM AMOUNT PRACTICABLE. THE DUFF LAYER, NATIVE TOPSOIL, AND NATURAL VEGETATION OR GRASSES ON SITE WILL BE RETAINED IN AN UNDISTURBED STATE TO THE MAXIMUM EXTENT PRACTICABLE. STRAW WATTLES WILL BE INSTALLED ALONG THE DOWNSTREAM END OF THE WORK LIMITS IF NECESSARY. ALSO, IF EXCAVATED MATERIAL OR FILL MATERIAL IS PLACED WITHIN THE PROJECT SITE SUCH THAT RUNOFF FROM THE MATERIAL WOULD FLOW OFF SITE, THEN SEDIMENT CONTROLS, SUCH AS TEMPORARY BERMS OR SILT FENCE, MUST BE INSTALLED DOWNHILL FROM THE NEWLY-GRADED MATERIAL. ANY TEMPORARY DRAINAGE CHANNELS THAT MAY BE REQUIRED DURING CONSTRUCTION WILL BE STABILIZED WITH LININGS AND CHECK DAMS. BMPS CONSIDERED FOR THIS ELEMENT INCLUDE: BMP C231: BRUSH BARRIER, BMP C232: GRAVEL FILTER BERM, BMP C233: SILT FENCE AND BMP C235: STRAW

FORCES OF RAINDROP IMPACTS, FLOWING WATER, AND WIND EROSION. SOIL PILES SHOULD BE COVERED

#### SWPPP ELEMENT 5: STABILIZE SOILS: EXISTING SOIL AND GROUND COVER SHALL BE RETAINED AND SHALL REMAIN UNDISTURBED TO THE MAXIMUM EXTENT PRACTICABLE TO MINIMIZE THE EROSION POTENTIAL ON SITE. ALL EXPOSED AND UNWORKED SOIL SHALL BE STABILIZED BY APPLICATION OF BMPS THAT PROTECT SOIL FROM THE EROSIVE

WITH PLASTIC OR ROLLED EROSION CONTROL PRODUCTS (RECP) WHEN NOT IN IMMEDIATE USE.

CONSTRUCTION EROSION CONTROL BMPS SHALL BE INSTALLED PRIOR TO SOIL-DISTURBING ACTIVITIES TO THE MAXIMUM EXTENT PRACTICABLE. ANY BMPS THAT CANNOT BE INSTALLED PRIOR TO GRADING OR SOIL DISTURBANCE SHALL BE INSTALLED AND MADE OPERABLE IMMEDIATELY AFTER INSTALLATION IS MADE POSSIBLE. DISTURBED SOILS WILL BE PERMANENTLY STABILIZED ON SITE WITH PAVEMENT OR WITH PERMANENT PLANTINGS AND SEEDING. ALL EXPOSED AND UNWORKED SOIL WILL BE TEMPORARILY STABILIZED WITH SEEDING, MULCH, STRAW, NETS AND BLANKETS, OR PLASTIC COVERING PER DOE STANDARDS. NO SOIL WILL BE EXPOSED AND UNWORKED FOR MORE THAN SEVEN DAYS BETWEEN MAY 1 AND SEPTEMBER 30. NO SOIL WILL BE EXPOSED AND UNWORKED FOR MORE THAN TWO DAYS BETWEEN OCTOBER 1 AND APRIL 30. SOIL STOCKPILES MUST BE STABILIZED AND PROTECTED WITH SEDIMENT TRAPPING MEASURES. PLASTIC COVERING SHOULD BE INSTALLED ON ALL STOCKPILES THAT ARE NOT IN IMMEDIATE USE. STRAW WATTLES AND/OR SILT FENCE SHOULD ALSO BE INSTALLED AROUND THE PERIMETER OF SUCH STOCKPILES. AS RECOMMENDED IN ELEMENT 4, EXCAVATED SOIL MATERIAL SHOULD BE PLACED UPHILL FROM THE EXCAVATED AREAS. PROPOSED WORK IS LINEAR AND WILL BE UNDER THE CONTROL OF ONE GENERAL CONTRACTOR. THE CONTRACTOR SHALL ENSURE THAT APPROPRIATE CREWS AND MATERIALS ARE AVAILABLE ON SITE TO COMPLETELY STABILIZE THE SITE PRIOR TO FOUL WEATHER OR SITE CONDITIONS. BMPS CONSIDERED FOR THIS ELEMENT INCLUDE: BMP C120: TEMPORARY AND PERMANENT

SWPPP ELEMENT 6: PROTECT SLOPES: THE SITE IS FLAT WITH GENTLE GRADES ON SITE. NO SIGNIFICANT CUT OR FILL SLOPES ARE PROPOSED AS A PART OF THIS PROJECT.

SEEDING, BMP C121: MULCHING, BMP C122: NETS AND BLANKETS AND BMP C123: PLASTIC COVERING.

### SWPPP ELEMENT 7: PROTECT DRAIN INLETS

ALL DRAINAGE INLETS MADE OPERABLE DURING CONSTRUCTION WILL BE PROTECTED SO THAT NO STORMWATER MAY ENTER THE CONVEYANCE SYSTEMS WITHOUT FILTRATION OR OTHER TREATMENT FOR SEDIMENT. IN ADDITION, EXISTING DRAINAGE INLETS NEAR THE PROJECT SITE WILL ALSO BE FITTED WITH TEMPORARY FILTER INSERTS OR OTHER APPLICABLE INLET PROTECTION. EXISTING INLETS THAT REQUIRE PROTECTION ARE IDENTIFIED ON THE CIVIL PLANS. ADDITIONAL INLET PROTECTIONS MAY BE REQUIRED IF SEDIMENT IS TRACKED ONTO PAVEMENT BEYOND THE CATCH BASINS THAT ARE IDENTIFIED ON THE PLANS. ALL APPROACH ROADS SHALL BE KEPT CLEAN AND ALL SEDIMENT AND STREET WASH WATER SHALL NOT BE ALLOWED TO ENTER STORM DRAINS WITHOUT PRIOR AND ADEQUATE TREATMENT UNLESS TREATMENT IS PROVIDED BEFORE THE STORM DRAIN DISCHARGES TO WATERS OF THE STATE. BMPS CONSIDERED FOR THIS ELEMENT INCLUDE: BMP C220: STORM DRAIN INLET PROTECTION.

### SWPPP ELEMENT 8: STABILIZE CHANNELS AND OUTLETS:

NO TEMPORARY OR PERMANENT CHANNELS ARE PROPOSED FOR THIS PROJECT. IF TEMPORARY CHANNELS BECOME NECESSARY DURING CONSTRUCTION, THEY SHALL BE DESIGNED AND BUILT WITH MINIMAL SLOPES (APPROXIMATELY 0.5%). SIDE SLOPES WILL BE LIMITED TO 2:1 AND WILL BE LINED WITH TOPSOIL AND GRASS. DURING CONSTRUCTION, THE SIDES OF THE SWALE SHOULD BE STABILIZED WITH ROLLED EROSION CONTROL PRODUCTS, PLASTIC, OR CLEAN GRAVEL.

## SWPPP ELEMENT 9: CONTROL POLLUTANTS:

ALL POLLUTANTS, INCLUDING WASTE MATERIALS AND DEMOLITION DEBRIS, THAT OCCUR ON SITE SHALL BE DISPOSED OF IN A MANNER THAT DOES NOT CONTAMINATE STORMWATER. DEMOLITION MATERIALS THAT WILL BE GROUND AND REUSED ON SITE SHALL BE COVERED AND ISOLATED FROM CONTACT WITH STORMWATER. COVER, CONTAINMENT, AND PROTECTION FROM VANDALISM SHALL BE PROVIDED FOR ALL CHEMICALS, LIQUID PRODUCTS, PETROLEUM PRODUCTS, AND NON-INERT WASTES PRESENT ON THE SITE. IF POSSIBLE, POTENTIAL STORMWATER POLLUTANTS SHOULD BE STORED INDOORS, IN LOCKABLE TRAILERS, OR IN SEALED SHIPPING CONTAINERS. MAINTENANCE AND REPAIR OF HEAVY EQUIPMENT AND VEHICLES INVOLVING OIL CHANGES, HYDRAULIC SYSTEM DRAIN DOWN, SOLVENT AND DE-GREASING CLEANING OPERATIONS, FUEL TANK DRAIN DOWN AND REMOVAL, AND OTHER ACTIVITIES WHICH MAY RESULT IN DISCHARGE OR SPILLAGE OF POLLUTANTS TO THE GROUND OR INTO STORMWATER RUNOFF MUST BE CONDUCTED USING SPILL PREVENTION MEASURES, SUCH AS DRIP PANS. CONTAMINATED SURFACES SHALL BE CLEANED IMMEDIATELY FOLLOWING ANY DISCHARGE OR SPILL INCIDENT. EMERGENCY REPAIRS MAY BE PERFORMED ON-SITE USING TEMPORARY PLASTIC PLACED BENEATH AND, IF RAINING, OVER THE VEHICLE. IF WHEEL WASHES OR TIRE BATHS ARE INSTALLED, WASTEWATER FROM THOSE BMPS SHALL BE DISCHARGED TO A SEPARATE ON-SITE TREATMENT SYSTEM OR TO THE SANITARY SEWER. SPECIAL PERMISSION FROM THE CITY OF BLAINE MUST BE GRANTED PRIOR TO DISCHARGING STORMWATER RUNOFF TO THE SEWER. AGRICULTURAL CHEMICALS WILL NOT BE APPLIED AT THIS SITE, WASHOUT OF CONCRETE TRUCKS AND HAND TOOLS (E.G. SCREEDS, RAKES, SHOVELS, FLOATS, OR TROWELS) WILL ONLY BE ALLOWED WITHIN FORMED AREAS AWAITING INSTALLATION OF CONCRETE OR WITHIN A DESIGNATED WASHOUT AREA ON SITE. IF POSSIBLE, ANY UNUSED CONCRETE IN THE TRUCK SHOULD BE RETURNED TO THE BATCH PLANT FOR RECYCLING.

### SWPPP ELEMENT 10: CONTROL DE-WATERING:

GROUNDWATER IS ASSUMED TO BE LOWER THAN THE PROPOSED UTILITIES. AS SUCH, NO DEWATERING IS ANTICIPATED AS A PART OF THIS PROJECT. IF DEWATERING DOES BECOME NECESSARY DURING CONSTRUCTION, THE CONTRACTOR SHALL PREPARE A DEWATERING PLAN IN ACCORDANCE WITH CITY STANDARDS AND DEPT. OF ECOLOGY REQUIREMENTS. AS A PART OF THE PLAN, ALL DEWATERING WATER SHALL BE DISCHARGED TO A CONTROLLED CONVEYANCE SYSTEM FOR TREATMENT. CLEAN, NON-TURBID DEWATERING WATER SHOULD BE ROUTED DIRECTLY TO TRIBUTARIES OR WATERS OF THE STATE. HIGHLY-TURBID DEWATERING WATER SHALL BE HANDLED SEPARATELY FROM STORMWATER AND MAY BE PUMPED TO VEGETATED AREAS ON SITE OR TRUCKED OFF SITE FOR TREATMENT AND DISPOSAL.

## SWPPP ELEMENT 11: MAINTAIN BMPS:

ALL TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL BMPS SHALL BE MAINTAINED AND REPAIRED AS NEEDED TO ASSURE CONTINUED PERFORMANCE OF THEIR INTENDED FUNCTION. ALL MAINTENANCE AND REPAIR SHALL BE CONDUCTED IN ACCORDANCE WITH BMP SPECIFICATIONS.

ALL TEMPORARY EROSION AND SEDIMENT CONTROL BMPS SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY BMPS ARE NO LONGER NEEDED. TRAPPED SEDIMENT SHALL BE REMOVED OR STABILIZED ON SITE. DISTURBED SOIL AREAS RESULTING FROM REMOVAL OF BMPS OR VEGETATION SHALL BE PERMANENTLY STABILIZED.

### SWPPP ELEMENT 12: MANAGE THE PROJECT:

PHASING OF CONSTRUCTION: THIS PROJECT WILL BE BUILT IN ONE PHASE. TO THE EXTENT PRACTICABLE, SITE DISTURBANCE, CLEARING, AND CONSTRUCTION WILL BE SCHEDULED APPROPRIATELY TO MINIMIZE THE TIME THAT SOIL MAY BE EXPOSED. CLEARING AND GRADING ACTIVITIES WILL OCCUR AFTER THE APPLICABLE PERMITS HAVE BEEN OBTAINED. WHEN ESTABLISHING CLEARING AND GRADING AREAS, CONSIDERATION WILL BE GIVEN TO MINIMIZING REMOVAL OF EXISTING VEGETATION AND MINIMIZING DISTURBANCE AND COMPACTION OF NATIVE SOILS EXCEPT AS NEEDED FOR BUILDING PURPOSES.

FROM OCTOBER 1 THROUGH APRIL 30, SOIL WILL NOT REMAIN EXPOSED AND UNWORKED FOR MORE THAN 2 DAYS. FROM MAY 1 THROUGH SEPTEMBER 30, SOIL WILL NOT REMAIN EXPOSED AND UNWORKED FOR MORE THAN 7 DAYS. IN ADDITION, WEATHER CONDITIONS SHALL BE CONTINUALLY MONITORED (INCLUDING BEFORE HOLIDAYS AND WEEKENDS) FOR PURPOSES OF PREPARING THE SITE FOR PREDICTED WEATHER CONDITIONS. BMPS THAT ARE EFFECTIVE IN STABILIZING SOILS AND PROTECTING THEM FROM EXPOSURE TO RAIN AND WND OR OTHER CLIMATIC CONDITIONS WILL BE IMPLEMENTED THROUGHOUT THE PROJECT. INSPECTION AND EVALUATION OF THE EFFECTIVENESS OF THE BMPS WILL OCCUR ON A DAILY BASIS. IN THE EVENT OF A FORECASTED PRECIPITATION EVENT, THE CONTRACTOR SHALL EVALUATE EXISTING BMPS ON SITE AND SHALL IMPLEMENT ADDITIONAL BMPS IF THE EXISTING SITE CONDITIONS ARE INADEQUATE TO PREVENT RAINFALL FROM CONTACTING UNSTABILIZED SURFACES.

### INSPECTION AND MONITORING:

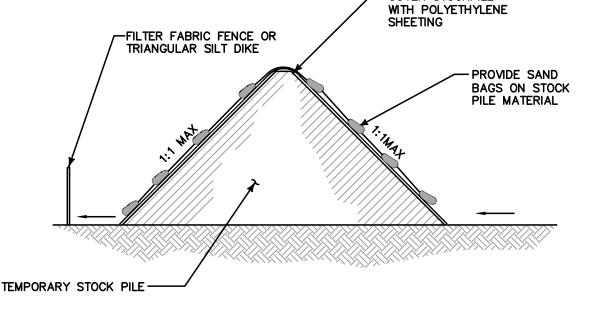
AS PREVIOUSLY MENTIONED, ALL BMPS WILL BE INSPECTED, MAINTAINED, AND REPAIRED AS NEEDED TO ASSURE CONTINUED PERFORMANCE OF THEIR INTENDED FUNCTION. IN THE EVENT THAT INSPECTION AND/OR MONITORING REVEALS THAT THE BMPS IDENTIFIED IN THIS CONSTRUCTION SWPPP ARE INADEQUATE DUE TO THE ACTUAL DISCHARGE OF OR POTENTIAL TO DISCHARGE A SIGNIFICANT AMOUNT OF ANY POLLUTANT, THIS SWPPP SHALL BE APPROPRIATELY MODIFIED IN A TIMELY MANNER. A CESCL IS NOT REQUIRED, BUT IS RECOMMENDED TO PERFORM EROSION CONTROL INSPECTIONS AND TO PROVIDE RECOMMENDATIONS FOR THIS PROJECT DURING CONSTRUCTION.

### MAINTENANCE OF THE CONSTRUCTION SWPPP:

THE CONSTRUCTION SWPPP WILL BE RETAINED ON SITE AND WILL BE UPDATED ON A REGULAR BASIS. A LOG WILL BE ATTACHED TO THE CONSTRUCTION SWPPP TO FACILITATE REGULAR UPDATES. MODIFICATIONS TO THE CONSTRUCTION SWPPP WILL BE MADE WHENEVER THERE IS A SIGNIFICANT CHANGE IN THE DESIGN, CONSTRUCTION, OPERATION, OR MAINTENANCE OF ANY BMP. IF THE CONTRACTOR DOES NOT IMPLEMENT BMPS SPECIFIED ON THESE PLANS AND IF SITE CONDITIONS DO NOT REQUIRE THE BMPS, THE CONTRACTOR SHALL PROVIDE WRITTEN JUSTIFICATION IN THE SWPPP FOR WHY THE BMP IS UNNECESSARY.

SWPPP ELEMENT 13: PROTECT LOW IMPACT DEVELOPMENT BMPs:

LOW IMPACT DEVELOPMENT BMPs TO BE PROTECTED DURING CONSTRUCTION INCLUDE SOIL QUALITY AND DEPTH: BMP T5.13. CONSTRUCTION TRAFFIC MUST KEEP OFF PROPOSED LAWN AREAS TO BE TREATED WITH



— COVER STOCKPILE

COMPACT STOCK PILE MATERIAL PER GEOTECHNICAL RECOMENDATIONS

# STOCKPILE PROTECTION

APPROVAL OF THIS EROSION AND SEDIMENT 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.).

- PRIOR TO COMMENCING CONSTRUCTION, ALL CRITICAL AREAS, INCLUDING WETLAND BUFFERS, STREAM BUFFER, LANDFILL AREAS, AND CONDITIONS AS DETERMINED BY THE CITY ONSPECTOR SHALL BE CONTINUOUSLY DEMARCATED IN THE FIELD USING FLAGGING TAPE OR FENCING. ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH CITY OF MOUNT VERNON STANDARDS AND SPECIFICATIONS.
- 2. EROSION CONTROL METHODS AND MATERIALS SHALL MEET REQUIREMENTS OF THE APWA/WASHINGTON STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION(CURRENT EDITION) AND REQUIREMENTS SET FORTH IN VOLUME II OF THE "STORMWATER MANAGEMENT MANUAL FOR THE PUGET SOUND BASIN (THE TECHNICAL MANUAL)", BY THE WASHINGTON STATE DEPARTMENT OF ECOLOGY, EDITION CURRENTLY ADOPTED BY THE CITY OF MOUNT VERNON. THE CONTRACTOR SHALL FOLLOW RECOMMENDATIONS MADE BY SUPPLIERS AND MANUFACTURERS OF MATERIALS
- 3. THE ESC FACILITIES SHOWN ON THIS PLAN MUST BE INSTALLED AND IN OPERTAION IN ADVANCE OF ALL CLEARING AND GRADING ACTIVITIES IN SUCH A MANNER AS TO ENSURE THAT SEDIMENT-LADEN WATER DOES NOT ENTER THE DRAINAGE SYSTEM OR VIOLATE APPLICABLE WATER STANDARDS. WHEREVER POSSIBLE, MAINTAIN NATURAL VEGETATION FOR SILT CONTROL.
- 4. THE ESC FACILITIES SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, THESE ESC FACILITIES SHALL BE UPGRADED AS NEEDED FOR UNEXPECTED STORM EVENTS. ADDITIONALLY, MORE ESC FACILITIES MAY BE REQUIRED TO ENSURE COMPLETE SILTATION CONTROL. DURING THE COURSE OF CONSTRUCTION, IT SHALL BE THE OBLIGATION AND RESPONSIBILITY OF THE CONTRACTOR TO ADDRESS ANY NEW CONDITIONS THAT MAY BE CREATED BY CONSTRUCTION ACTIVITIES AND TO PROVIDE ADDITIONAL FACILITIES OVER AND ABOVE THE MINIMUM REQUIREMENTS AS MAY BE NEEDED.
- ANY PERMANENT RETENTION/DETENTION FACILITY USED AS A TEMPORARY SETTLING BASIN SHALL BE MODIFIED WITH THE NECESSARY EROSION CONTROL MEASURES AND SHALL PROVIDE ADEQUATE STORAGE
- 6. A COPY OF THE APPROVED EROSION CONTROL PLANS MUST BE KEPT ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS.
- 7. A CLEARING CONTROL FENCE SHALL BE INSTALLED AT THE DRIP LINE OF TREES TO BE SAVED WHEREVER THE TREE CANOPIES EXTEND INTO THE AREA TO BE CLEARED.
- 8. OFF-SITE STREETS MUST BE KEPT CLEAN AT ALL TIMES. IF DIRT IS DEPOSITED ON THE PUBLIC STREET SYSTEM, THE STREET SHALL BE IMMEDIATELY CLEANED WITH POWER SWEEPER OR OTHER APPROVED EQUIPMENT. ALL ADJACENT OFF-SITE PROPERTIES AND DRAINAGE FACILITIES SHALL BE PROTECTED FROM DAMAGE. ALL VEHICLES SHALL LEAVE THE SITE BY WAY OF THE CONSTRUCTION ENTRANCE AND SHALL BE CLEANED OF ALL DIRT THAT WOULD BE DEPOSITED ON THE PUBLIC STREETS.
- 9. ALL PROPERTIES ADJACENT TO THE PROJECT SITE SHALL BE PROTECTED FROM SEDIMENT DEPOSITION AND RUNOFF. DO NOT FLUSH SEDIMENT OR CONCRETE BY-PRODUCTS OR CLEAN TRUCKS NEAR OR INTO THE STORM DRAINAGE OR SEWER SYSTEMS.
- 10. THE IMPLEMENTATION OF THESE ESC PLANS AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT, AND UPGRADING OF THESE FACILITIES IS THE RESPONSIBILITY OF THE OWNER/APPLICANT/ESC SUPERVISOR UNTIL ALL CONSTRUCTION IS APPROVED.
- 11. 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 SEASON SHALL BE IMMEDIATELY STABILIZED WITH THE APPROVED ESC METHODS.
- 12. ANY AREA NEEDING ESC MEASURES NOT REQUIRING IMMEDIATE ATTENTION SHALL BE ADDRESSED WITHIN FIFTEEN (15) CALENDAR DAYS.
- AND WITHIN FORTY-EIGHT HOURS FOLLOWING A STORM EVENT. 14. 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

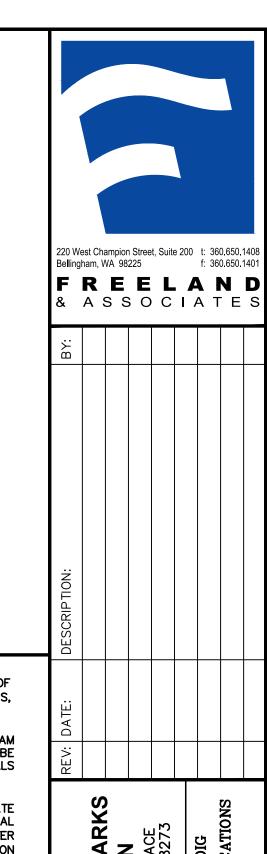
13. THE ESC FACILITIES ON ACTIVE SITES SHALL BE INSPECTED AND MAINTAINED A MINIMUM OF ONCE A MONTH

- OPERATION SHALL NOT FLUSH SEDIMENT -LADEN WATER INTO THE DOWNSTREAM SYSTEM. 15. STABILIZED CONSTRUCTION ENTRANCES AND ROADS SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES, SUCH AS
- WASH PADS, MAY BE REQUIRED TO ENSURE THAT ALL OFF-SITE PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.
- 16. PRIOR TO THE BEGINNING OF THE WET SEASON THE CONTRACTOR SHALL DETERMINE BMP MEASURES. ALL DISTURBED AREAS SHALL BE INSPECTED BY THE CONTRACTOR TO IDENTIFY WHICH AREAS SHALLBE STABILIZED IN PREPARATION FOR THE WINTER RAINS, DISTURBED AREAS SHALL BE STABILIZED WITHIN ONE WEEK OF THE BEGINNING OF THE WET SEASON.

### CONSTRUCTION SEQUENCE:

- 1. ATTEND PRE-CONSTRUCTION MEETING.
- 2. FLAG OR FENCE CLEARING LIMITS.
- 3. POST SIGN WITH NAME AND PHONE NUMBER OF ESC SUPERVISOR. 4. INSTALL CATCH BASIN PROTECTION.
- 5. INSTALL PERIMETER PROTECTION (STRAW WATTLES).
- 6. CLEAR/GRADE & CONSTRUCT DRAINAGE FACILITIES. 7. MAINTAIN EROSION CONTROL MEASURES IN ACCORDANCE WITH DOE SWMM STANDARDS.
- 8. RELOCATE SURFACE WATER CONTROLS AND EROSION CONTROL MEASURES OR INSTALL NEW MEASURES SO THAT AS SITE CONDITIONS CHANGE THE EROSION AND SEDIMENT CONTROL IS ALWAYS IN ACCORDANCE WITH MOUNT VERNON STANDARDS.
- 9. COVER ALL AREAS THAT WILL BE UNWORKED FOR MORE THAN 7 DAYS OR 2 DAYS IN THE WET SEASON WITH STRAW, WOOD FIBER MULCH, COMPOST, PLASTIC SHEETING OR EQUIVALENT.
- 10. STABILIZE ALL AREAS THAT REACH FINAL GRADE WITHIN 7 DAYS.
- 11. SEED OR SOD ANY AREAS TO REMAIN UNWORKED FOR MORE THAN 30 DAYS.
- 12. UPON COMPLETION OF THE PROJECT, ALL DISTURBED AREAS MUST BE STABILIZED AND BMP'S REMOVED.





CRE/ T C

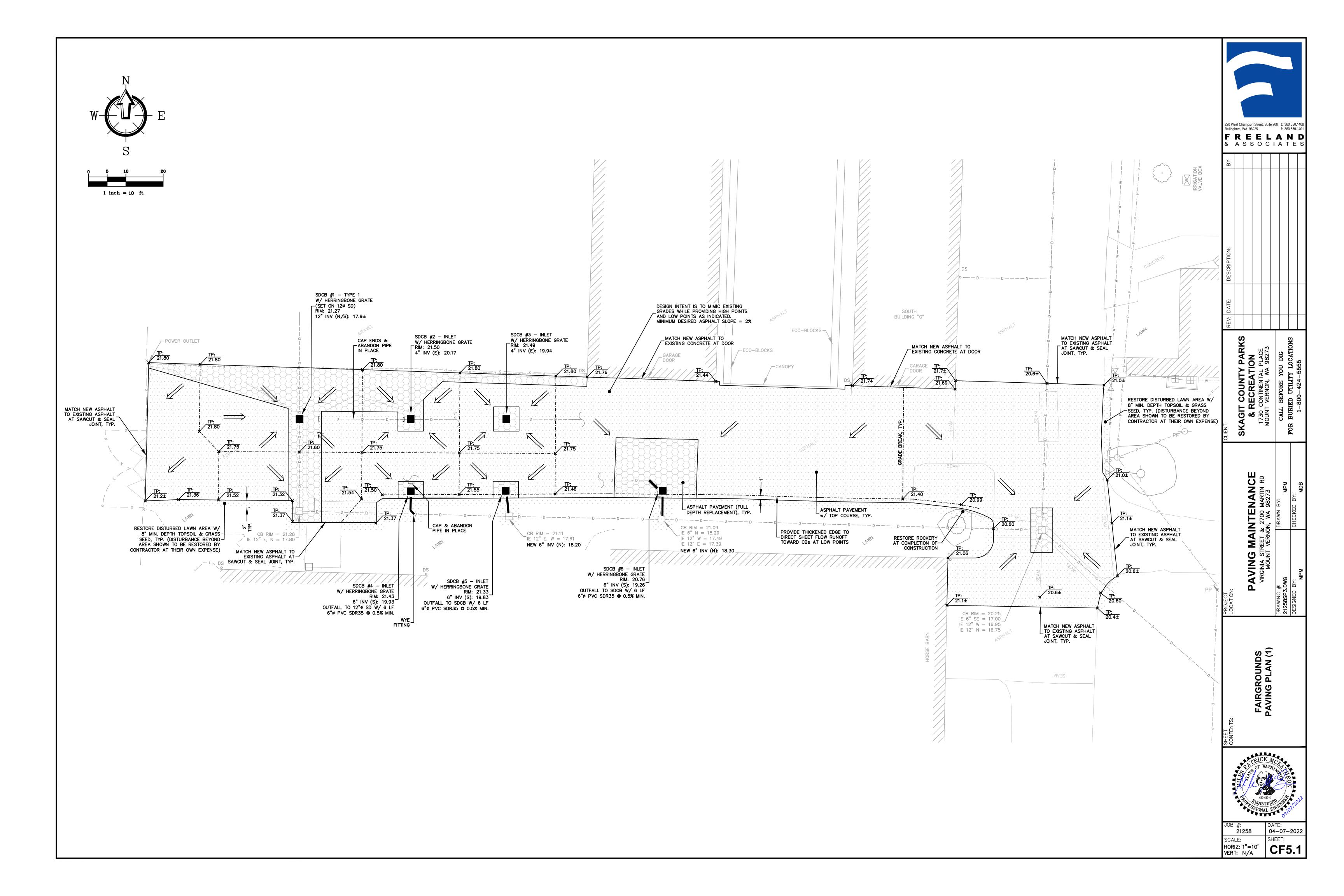
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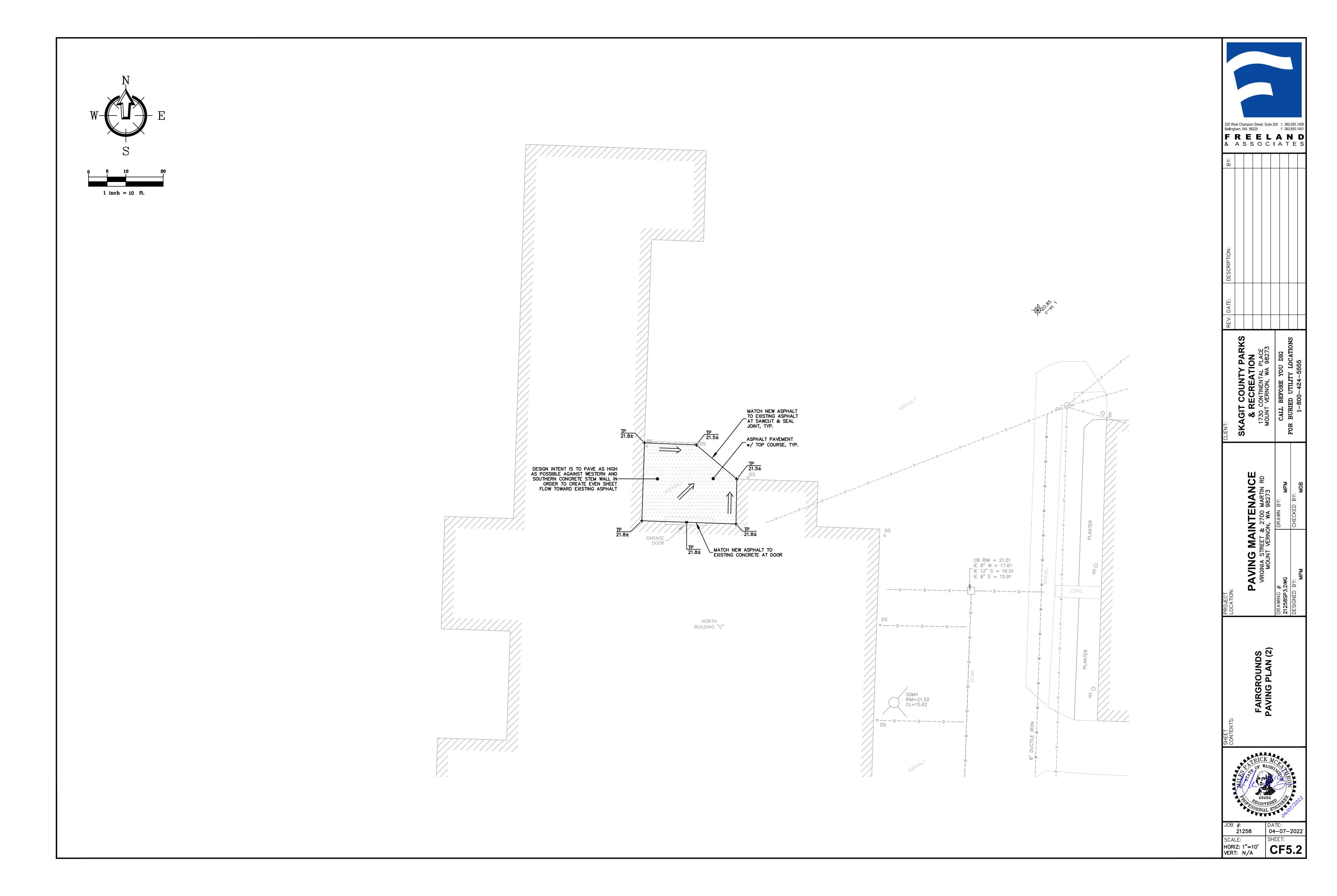
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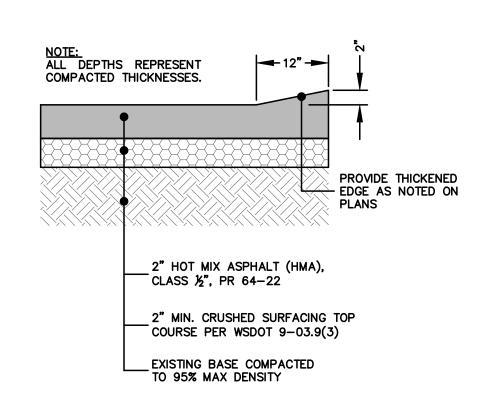


04-07-2022 21258 HORIZ: N/A CF4 VERT: N/A









SUBGRADE AND GRAVEL BASE NOTES:

(1) PAVEMENT SUBGRADE MUST MEET WSDOT STANDARDS AND BE APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO FILL OR PAVING

(2) HOT MIX ASPHALT ON SITE MAY BE RECYCLED WITHIN THE PARAMETERS ESTABLISHED BY WSDOT STANDARD SPECIFICATION 9-03.21, INCLUDING THE MAXIMUM ALLOWABLE PERCENTAGES LISTED IN TABLE 9-03.21(1)E.

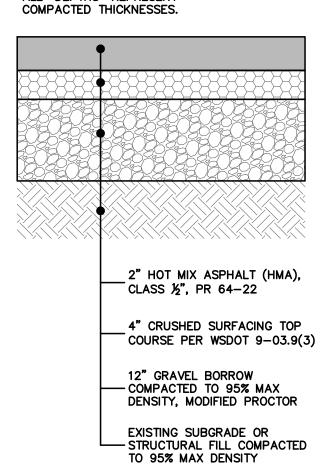
(3) HMA, AGGREGATE AND BINDER TO MEET WSDOT STANDARDS.

(4) FOG SEAL MAY BE REQUIRED IF THE ASPHALT MAT IS TOO OPEN-GRADED IN THE OPINION OF THE CITY ENGINEER.

(5) FINAL ADJUSTMENT OF EXISTING CATCH BASINS, RIMS, CASTINGS, STRUCTURES, VALVES, ETC. SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.



## NOTE: ALL DEPTHS REPRESENT



SUBGRADE AND GRAVEL BASE NOTES:

(1) PAVEMENT SUBGRADE MUST MEET WSDOT STANDARDS AND BE APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO FILL OR PAVING

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(5) FINAL ADJUSTMENT OF EXISTING CATCH BASINS, RIMS, CASTINGS, STRUCTURES, VALVES, ETC. SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

# B ASPHALT PAVEMENT - FULL DEPTH REPLACEMENT

#### BEDDING SPECIFICATIONS FOR PVC PIPE

THE FOLLOWING SUPPLEMENTAL SPECIFICATIONS ARE TO BE USED IN CONJUNCTION WITH THE STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION, CURRENT EDITION:

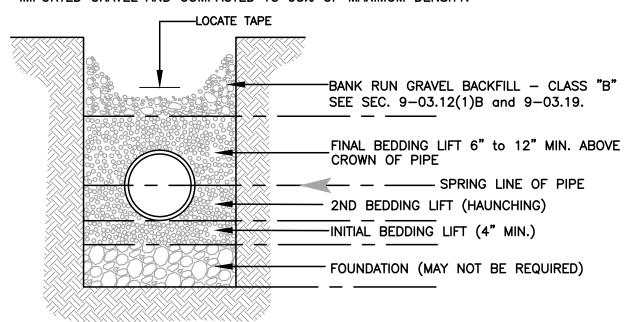
BEDDING FOR SEWERS, DRAINS AND CULVERTS FOR THERMOPLASTIC PIPE-

BEDDING MATERIAL FOR THERMOPLASTIC PIPE SHALL BE PEA GRAVEL CONFORMING TO THE FOLLOWING SPECIFICATIONS.

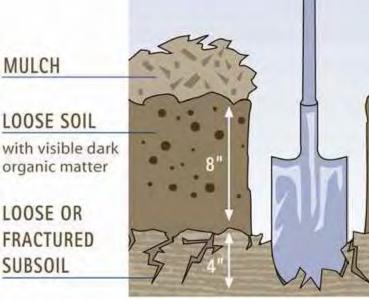
PEA GRAVEL - PEA GRAVEL BEDDING SHALL BE A CLEAN MIXTURE FREE FROM ORGANIC MATTER AND CONFORMING TO THE FOLLOWING GRADATION WHEN TESTED IN ACCORDANCE WITH ASTM D422:

> U.S. STANDARD SIEVE SIZE PERCENT PASSING, BY WT. 95-100 0-3

BACKFILL - WHEREVER A TRENCH IS EXCAVATED IN THE EXISTING OR PROPOSED ROADWAY, SIDEWALK OR OTHER AREAS WHERE SETTLEMENT WOULD BE DETRIMENTAL, THE ENTIRE TRENCH SHALL BE BACKFILLED WITH IMPORTED GRAVEL AND COMPACTED TO 95% OF MAXIMUM DENSITY.



# THERMOPLASTIC PIPE BEDDING DETAIL nts



ESTABLISHING A MINIMUM SOIL QUALITY AND DEPTH IS NOT THE SAME AS PRESERVATION OF NATURALLY OCCURRING SOIL AND VEGETATION. HOWEVER, ESTABLISHING A MINIMUM SOIL QUALITY AND DEPTH WILL PROVIDE IMPROVED ON-SITE MANAGEMENT OF STORMWATER FLOW AND WATER QUALITY. SOIL ORGANIC MATTER CAN BE ATTAINED THROUGH NUMEROUS MATERIALS SUCH AS COMPOST, COMPOSTED WOODY MATERIAL, BIOSOLIDS, AND FOREST PRODUCT RESIDUALS. IT IS IMPORTANT THAT THE MATERIALS USED TO MEET THE SOIL QUALITY AND DEPTH BMP BE APPROPRIATE AND BENEFICIAL TO THE PLANT COVER TO BE ESTABLISHED. LIKEWISE, IT IS IMPORTANT THAT IMPORTED TOPSOILS IMPROVE SOIL CONDITIONS AND DO NOT HAVE AN EXCESSIVE PERCENT OF CLAY FINES.

SOIL RETENTION: RETAIN, IN AN UNDISTURBED STATE, THE DUFF LAYER AND NATIVE TOPSOIL 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: ALL AREAS SUBJECT TO CLEARING AND GRADING THAT HAVE NOT BEEN COVERED BY IMPERVIOUS SURFACE, INCORPORATED INTO A DRAINAGE FACILITY OR ENGINEERED AS STRUCTURAL FILL OR SLOPE SHALL, AT PROJECT COMPLETION, DEMONSTRATE THE FOLLOWING:

1. A TOPSOIL LAYER WITH A MINIMUM ORGANIC MATTER CONTENT OF 10% DRY WEIGHT IN PLANTING BEDS, AND 5% ORGANIC MATTER CONTENT IN TURF AREAS, AND A PH FROM 6.0 TO 8.0 OR MATCHING THE PH OF THE UNDISTURBED SOIL. THE TOPSOIL LAYER SHALL HAVE A MINIMUM DEPTH OF EIGHT INCHES EXCEPT WHERE TREE ROOTS LIMIT THE DEPTH OF INCORPORATION OF AMENDMENTS NEEDED TO MEET THE CRITERIA. SUBSOILS BELOW THE TOPSOIL LAYER SHOULD BE SCARIFIED AT LEAST 4 INCHES WITH SOME INCORPORATION OF THE UPPER MATERIAL TO AVOID STRATIFIED LAYERS, WHERE FEASIBLE.

2.MULCH PLANTING BEDS WITH 2 INCHES OF ORGANIC MATERIAL 3.USE COMPOST AND OTHER MATERIALS THAT MEET THESE ORGANIC CONTENT REQUIREMENTS:

a. THE ORGANIC CONTENT FOR "PRE-APPROVED" AMENDMENT RATES CAN BE MET ONLY USING COMPOST THAT MEETS THE DEFINITION OF "COMPOSTED MATERIALS" IN WAC 173-350-100. THIS CODE IS AVAILABLE ONLINE AT: <a href="http://apps.leg.wa.gov/wac/default.aspx?cite=173-350">http://apps.leg.wa.gov/wac/default.aspx?cite=173-350</a>. THE COMPOST MUST ALSO HAVE AN ORGANIC MATTER CONTENT OF 40% TO 65%, AND A CARBON TO NITROGEN RATIO BELOW 25:1. THE CARBON TO NITROGEN RATIO MAY BE AS HIGH AS 35:1 FOR PLANTINGS COMPOSED ENTIRELY OF PLANTS NATIVE TO THE PUGET SOUND LOWLANDS REGION.

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

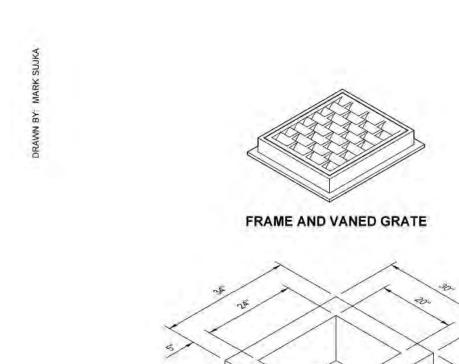
THE RESULTING SOIL SHOULD BE CONDUCIVE TO THE TYPE OF VEGETATION TO BE ESTABLISHED. IMPLEMENTATION OPTIONS: THE SOIL QUALITY DESIGN GUIDELINES LISTED ABOVE CAN BE MET BY USING ONE OF THE

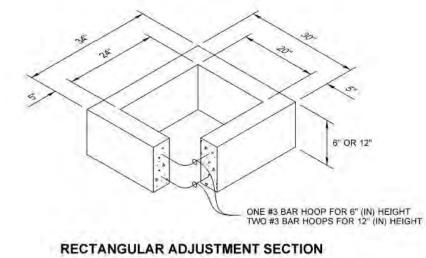
METHODS LISTED BELOW: 1. LEAVE UNDISTURBED NATIVE VEGETATION AND SOIL, AND PROTECT FROM COMPACTION DURING CONSTRUCTION.

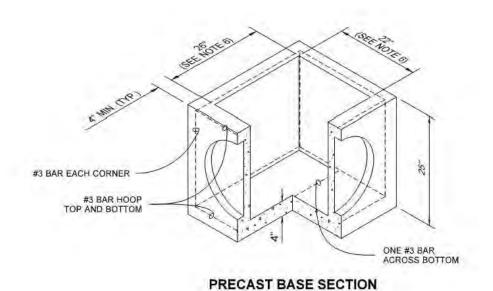
2.AMEND EXISTING SITE TOPSOIL OR SUBSOIL EITHER AT DEFAULT "PRE-APPROVED" RATES, OR AT CUSTOM CALCULATED RATES BASED ON TESTS OF THE SOIL AND AMENDMENT. 3.STOCKPILE EXISTING TOPSOIL DURING GRADING, AND REPLACE IT PRIOR TO PLANTING. STOCKPILED TOPSOIL MUST ALSO BE AMENDED IF NEEDED TO MEET THE ORGANIC MATTER OR DEPTH REQUIREMENTS, EITHER AT A DEFAULT

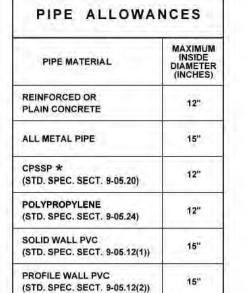
"PRE-APPROVED" RATE OR AT A CUSTOM CALCULATED RATE. 4.IMPORT TOPSOIL MIX OF SUFFICIENT ORGANIC CONTENT AND DEPTH TO MEET THE REQUIREMENTS. MORE THAN ONE METHOD MAY BE USED ON DIFFERENT PORTIONS OF THE SAME SITE. SOIL THAT ALREADY MEETS THE DEPTH AND ORGANIC MATTER QUALITY STANDARDS, AND IS NOT COMPACTED, DOES NOT NEED TO BE AMENDED.

# SOIL AMENDMENTS - BMP T5.13





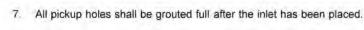




\* CORRUGATED POLYETHYLENE STORM SEWER PIPE

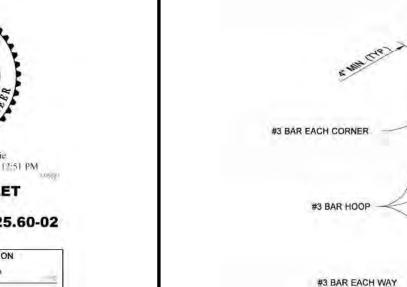
### NOTES

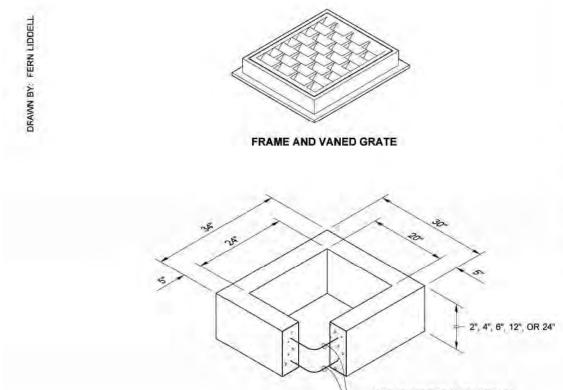
- 1. As acceptable alternatives to the rebar shown in the PRECAST BASE SECTION, fibers (placed according to the Standard Specifications), or wire mesh having a minimum area of 0.12 square inches per foot shall be used with the minimum required rebar shown in the ALTERNATIVE PRECAST BASE SECTION. Wire mesh shall not be placed in the
- The knockout diameter shall not be greater than 18" (in) . Knockouts shall have a wall thickness of 2" (in) minimum to 2.5" (in) maximum. Provide a 1.5" (in) minimum gap between the knockout wall and the outside of the pipe. After the pipe is installed, fill the gap with joint mortar in accordance with Standard Specification Section 9-04.3.
- The maximum depth from the finished grade to the lowest pipe invert
- The frame and grate may be installed with the flange up or down. The frame may be cast into the adjustment section.
- 5. The Precast Base Section may have a rounded floor, and the walls
- may be sloped at a rate of 1 : 24 or steeper.
- The opening shall be measured at the top of the precast base section.











RECTANGULAR ADJUSTMENT SECTION

PRECAST BASE SECTION

ONE #3 BAR FOR 6" (IN) HEIGHT

## PIPE ALLOWANCES PIPE MATERIAL DIAMETER (INCHES) REINFORCED OR PLAIN CONCRETE ALL METAL PIPE CPSSP \* (STD. SPEC. SECT. 9-05.20) SOLID WALL PVC (STD. SPEC. SECT. 9-05.12(1)) PROFILE WALL PVC (STD. SPEC. SECT. 9-05.12(2))

\* CORRUGATED POLYETHYLENE STORM SEWER PIPE

## 1. As acceptable alternatives to the rebar shown in the PRECAST BASE SECTION, fibers (placed according to the Standard Specifications), or wire mesh having a minimum area of 0.12 square inches per foot shall be used with the minimum required rebar shown in the ALTERNATIVE PRECAST BASE SECTION. Wire mesh shall not be placed in the

- 2. The knockout diameter shall not be greater than 20" (in). Knockouts shall have a wall thickness of 2" (in) minimum to 2.5" (in) maximum. Provide a 1.5" (in) minimum gap between the knockout wall and the outside of the pipe. After the pipe is installed, fill the gap with joint mortar in accordance with Standard Specification Section 9-04.3.
- 3. The maximum depth from the finished grade to the lowest pipe invert shall be 5' (ft).
- 4. The frame and grate may be installed with the flange down, or integrally cast into the adjustment section with flange up.
- 5. The Precast Base Section may have a rounded floor, and the walls may be sloped at a rate of 1 : 24 or steeper.
- 6. The opening shall be measured at the top of the Precast Base Section.

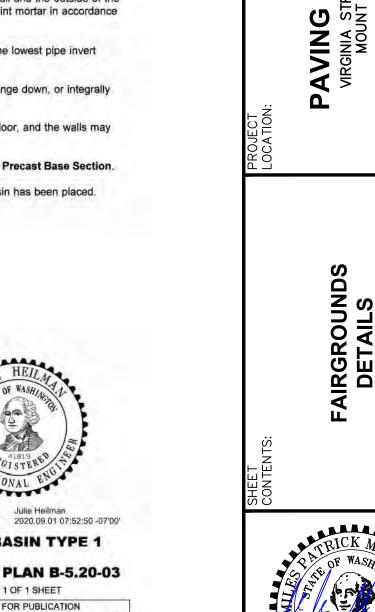
7. All pickup holes shall be grouted full after the basin has been placed.

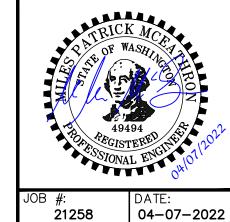
Washington State Department of Transportation

18" (IN) MIN Julie Heilman 2020.09.01 07:52:50 -07'00' **CATCH BASIN TYPE 1** #3 BAR HOOP STANDARD PLAN B-5.20-03 SHEET 1 OF 1 SHEET APPROVED FOR PUBLICATION Roark, Steve Digitally signed by Roark, Steve Date; 2020,09.09 09:45:23 -07 (SEE NOTE 1)

**ALTERNATIVE PRECAST BASE SECTION** 







20 West Champion Street, Suite 200 t: 360.650.14

FREELAND

& ASSOCIATES

CCREATION
INTINENTAL PLACERNON, WA 9827

R E CON

**AGI**. 1730 MOUN.

CO E

Bellingham, WA 98225

SHEET: SCALE: HORIZ: N/A CF6 VERT: N/A



#3 BAR EACH CORNER

#3 BAR HOOP -

SEE NOTE 1

ALTERNATIVE PRECAST BASE SECTION

#### **GENERAL/GRADING NOTES**

- 1. AT THE DISCRETION OF THE CITY, ANY ERRORS OR OMISSIONS IN THE APPROVED PLANS OR INFORMATION USED AS A BASIS FOR SUCH APPROVALS MAY CONSTITUTE GROUNDS FOR WITHDRAWAL OF ANY APPROVALS AND/OR STOPPAGE OF ANY OR ALL PERMITTED WORK. IT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER TO SHOW CAUSE WHY SUCH WORK SHOULD RESUME AND MAKE SUCH CHANGES IN PLANS THAT MAY BE REQUIRED BY THE CITY PRIOR TO RE—APPROVAL OF THE PLANS.
- 2. AN ENGINEERING INSPECTION CARD IS PROVIDED WITH THE ISSUANCE OF EACH PERMIT. THESE ARE THE MINIMUM REQUIRED INSPECTIONS. OTHER INSPECTIONS MIGHT BE REQUIRED AS DETERMINED BY THE CITY INSPECTOR AND THE SCOPE OF THE WORK
- 3. THE CONTRACTOR SHALL CALL FOR REQUIRED INSPECTIONS BY CALLING THE INSPECTION LINE NUMBER (360)336-6243. FAILURE TO PROPERLY NOTIFY THE CITY OF REQUIRED INSPECTION MIGHT RESULT ON NONACCEPTANCE OF THE WORK.
- 4. ALL CONTRACTORS WORKING IN THE CITY OF MOUNT VERNON MUST HAVE A CITY OF MOUNT VERNON BUSINESS LICENSE.
- 5. IT IS THE GENERAL CONTRACTOR'S RESPONSIBILITY TO LOCATE ALL UTILITIES PRIOR TO THE START OF CONSTRUCTION. CONTACT "ONE CALL": 1-800 424-5555 (OR 811)
- 6. ALL CONTRACTORS, SUBCONTRACTORS, TRADES AND CRAFTS PERFORMING WORK DURING CONSTRUCTION MUST ADHERE TO THE SAFETY REGULATIONS FOR CONTRACTORS AND OWNER'S EMPLOYEES IN ACCORDANCE WITH CURRENT WISHA STANDARDS AND REQUIREMENTS.
- 7. IN ADDITION TO MEETING THE CURRENT CITY OF MOUNT VERNON ENGINEERING STANDARD, ALL CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS AND THE AMERICAN PUBLIC WORKS ASSOCIATION STANDARDS AND PRACTICES.
- 8. TRAFFIC CONTROL SHALL STRICTLY ADHERE TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) STANDARDS. BEFORE ISSUANCE OF A RIGHT-OF WAY PERMIT, THERE IS TO BE AN APPROVED TRAFFIC CONTROL PLAN BY THE CITY'S DEVELOPMENT SERVICES ENGINEERING DIVISION. NO FULL ROAD CLOSURES WILL BE ALLOWED UNLESS APPROVED BY THE PUBLIC WORKS DIRECTOR.
- 9. 72 HOUR NOTICE IS REQUIRED FOR LANE CLOSURE NOTIFICATIONS
- 10. SURVEY STAKING IS REQUIRED FOR ALL UTILITIES AND LOT CORNERS.
- 11. SCHEDULE INSPECTIONS 24 HOURS IN ADVANCE. INSPECTION REQUESTS MUST BE CALLED IN BEFORE 8 AM FOR SAME DAY INSPECTIONS. THE INSPECTION LINE NUMBER IS (360)336-6243.
- 12. WORKING HOURS ARE FROM 7 AM TO 9 PM MONDAY THROUGH FRIDAY.
- 13. THE PERMITEE IS RESPONSIBLE FOR DAMAGES TO CITY PROPERTY, PAVEMENT, WALKS, UTILITIES, STREET STRIPING, THERMOPLASTICS OR UNDERGROUND CABLES. TRAFFIC SIGNAL DETECTION LOOPS DAMAGED BY CONSTRUCTION WILL BE REPLACED AT THE CONTRACTOR'S EXPENSE UNLESS DIRECTED OTHERWISE BY THE PUBLIC WORKS DIRECTOR.
- 14. COATED 12 GAUGE OR 14 GAUGE LOCATION WIRE MUST BE INSTALLED OVER ALL UNDERGROUND PVC OR OTHER NON-METALLIC PIPE UNLESS DIRECTED OTHERWISE BY THE INSPECTOR.
- 15. REVISIONS TO THE APPROVED CIVIL PLANS MUST BE SUBMITTED FOR REVIEW AND APPROVAL BY THE DEVELOPMENT SERVICES ENGINEERING MANAGER.
- 16. CONSTRUCTION AS-BUILT REQUIREMENTS ARE AS FOLLOWS: THE SITE SHALL BE RESURVEYED AND PLANS APPROPRIATELY MODIFIED BY THE ENGINEER OF RECORD. SUBMIT 1 RED LINED COPY OF PLANS TO APPROVE FOR AS-BUILT.
- 17. AFTER APPROVAL AND RETURN OF RED LINE PLANS, NEED 1 HARD COPY PLUS 1 AUTOCAD, 1 PDF AND 1 TIF FILE OF
- FINAL AS-BUILT ON CD, PRIOR TO THE ISSUANCE OF THE CERTIFICATE OF OCCUPANCY OR FINAL INSPECTION.

  18. ALL GRADING DESIGN AND CONSTRUCTION ACTIVITY SHALL COMPLY TITLE 15.16, ALL MOUNT VERNON MUNICIPAL CODE,
- 19. ALL GRADING DESIGN AND CONSTRUCTION ACTIVITY SHALL COMPLY WITH THE CITY OF MOUNT VERNON ENGINEERING STANDARDS AND THE CURRENT WSDOT STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION.
- A DE CONCEDUATION MEETING IS DECUMED DOING TO ANY CONCEDUATION OF CRAPING ACTIVITY

INCLUDING BUT NOT LIMITED TO 13.33 STORMWATER DRAINAGE UTILITY AND 15.40 CRITICAL AREAS.

- 20. A PRE-CONSTRUCTION MEETING IS REQUIRED PRIOR TO ANY CONSTRUCTION OR GRADING ACTIVITY.
- 21. A COPY OF THE FILL & GRADE PERMIT AND APPROVED PLANS SHALL BE KEPT ON—SITE DURING CONSTRUCTION.

  22. DEVIATION AND REVISIONS TO THE APPROVED PLANS SHALL BE APPROVED BY THE PROJECT'S ENGINEER AND THE CITY OF MOUNT VERNON.
- 23. NO GRADING ACTIVITY MAY OCCUR WITHIN A CRITICAL AREA OR CRITICAL AREA BUFFER WITHOUT SPECIFIC APPROVAL.
- 24. IT SHALL BE THE RESPONSIBILITY OF BOTH THE PERMITTEE AND THE PROPERTY OWNER TO ADVISE THE CITY IMMEDIATELY OF ANY DISCREPANCIES, HAZARDOUS CONDITIONS OR PROBLEMS AFFECTING SAFETY AND STABILITY OF THE PROJECT
- 25. ALL FILL MATERIAL SHALL MEET THE STANDARD FOR THE INTENDED FUTURE USE. MATERIAL TO BE PLACE IN AREAS OF FUTURE BUILDING SITE SHALL BE STRUCTURAL FILL MATERIAL. TESTING SHALL BE REQUIRED AS DEEMED NECESSARY BY THE CITY OF MOUNT VERNON.
- 26. THE GROUND SURFACE SHALL BE PREPARED TO RECEIVE FILL BY REMOVING VEGETATION, TOPSOIL AND OTHER UNSUITABLE MATERIALS, AND SCARIFYING THE GROUND TO PROVE A BOND WITH THE FILL MATERIAL.
- 27. FILL MATERIAL SHALL NOT INCLUDE ORGANIC, FROZEN OR OTHER DELETERIOUS MATERIALS. NO ROCK OR SIMILAR IRREDUCIBLE MATERIAL GREATER THAN 12-INCHES IN ANY DIMENSION SHALL BE INCLUDED IN FILLS.
- 28. ALL FILL MATERIAL SHALL BE COMPACTED AT A MINIMUM TO 90 PERCENT OF MAXIMUM DENSITY AS DETERMINED BY ASTMD 1557 MODIFIED PROCTOR, IN LIFTS NOT EXCEEDING 12—INCHES IN DEPTH. TESTS TO DETERMINE THE DENSITY OF COMPACTED FILLS SHALL BE MADE ON THE BASIS OF NOT LESS THAN ONE TEST PER 7000 SQUARE FEET OF COMPACTED AREA PER 2—FOOT VERTICAL LIFT. ADDITIONAL TESTING MAY BE REQUIRED AT THE DIRECTION OF THE CITY INSPECTOR.
- 29. COMPACTION OF TEMPORARY STOCKPILE FILLS SHALL NOT BE REQUIRED, EXCEPT WHERE THE BUILDING OFFICIAL DETERMINES THAT COMPACTION IS NECESSARY AS A SAFETY MEASURE.
- 30. PROPERTY LOCATION AND APPROVED SETBACKS MUST BE ESTABLISHED AND STAKES SET UNDER THE SUPERVISION OF A REGISTERED LAND SURVEYOR WHEN GRADING ACTIVITIES OCCUR. THOSE STAKES MUST BE MAINTAINED IN PLACE UNTIL FINAL INSPECTION OF WORKS SO THAT THE INSPECTOR CAN DETERMINE AT ANY TIME IF THE EXCAVATION IS PROPERLY LOCATED AS RELATED TO PROPERTY LINES.
- 31. SETBACK DIMENSIONS SHALL BE MEASURED PERPENDICULAR TO THE PROPERTY LINE.
- 32. DRAINAGE SHALL BE PROVIDED IN ACCORDANCE WITH CITY OF MOUNT VERNON MUNICIPAL CODE 13.33 AND ENGINEERING STANDARDS AS THEY ARE CURRENTLY WRITTEN OR AS THEY MAY BE AMENDED IN THE FUTURE.
- 33. DOWN DRAINS SHALL TERMINATE INTO A CATCH BASIN OR OTHER APPROVED RECEIVER TO PREVENT SCOURING AT THE OUTFALL.
- 34. NO TRACKING OF MUD OR DEBRIS ON TO PUBLIC STREETS IS ALLOWED.
- 35. ALL GRADING ACTIVITY IS LIMITED TO THE HOURS BETWEEN 7:00 AM AND 9:00 PM MONDAY THROUGH FRIDAY AND 8:00 AM AND 9:00 PM SATURDAY AND SUNDAY. THE BUILDING OFFICIAL IS AUTHORIZED TO GRANT AN EXTENSION OF WORKING
- 36. PROJECTS SHALL BE INSPECTED AT VARIOUS STAGES OF THE WORK TO DETERMINE THAT ADEQUATE CONTROL IS BEING EXERCISED. STAGES OF WORK SUBJECT TO INSPECTION INCLUDE, BUT ARE NOT LIMITED TO: PRE—CONSTRUCTION, EROSION CONTROL, GRADING ACTIVITIES, INSTALLATION OF UTILITIES, STORMWATER FACILITIES, RETAINING WALLS, LANDSCAPING AND COMPLETION OF PROJECT.
- 37. ALL EXCESS SOIL MATERIALS, INCLUDING BUT NOT LIMITED TO TRENCH SPOILS, STRIPPED TOPSOIL, ORGANIC MATTER, ROAD CUT AND OTHER DEBRIS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF AT LOCATIONS ARRANGED BY THE CONTRACTOR AT THEIR EXPENSE.
- 38. ALL COSTS INVOLVED IN MAKING CORRECTIONS TO WORK WHICH DOES NOT MEET SPECIFICATIONS CONTAINED HEREIN SHALL BE BORNE BY THE CONTRACTOR AND NO PAYMENT WILL BE MADE FOR THIS WORK.
- 39. CONTRACTOR SHALL RESTORE OFF SITE CONSTRUCTION AREA TO ORIGINAL OR BETTER CONDITION. EXISTING CONDITION PHOTOS ARE REQUIRED TO BE TAKEN BY THE CONTRACTOR.
- 40. LOCATIONS OF EXISTING UTILITIES SHOWN HERON ARE APPROXIMATE, AND ARE NOT NECESSARILY COMPLETE. THE CONTRACTOR SHALL INDEPENDENTLY VERIFY THE ACCURACY OF ALL UTILITY LOCATIONS SHOWN, AND SHALL FURTHER DISCOVER AND AVOID ANY OTHER UTILITIES NOT SHOWN HEREON WHICH MAY BE AFFECTED BY THE IMPLEMENTATION OF THIS PLAN. IF CONFLICTS WITH EXISTING UTILITIES ARISE DURING CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND ANY CHANGES REQUIRED SHALL BE APPROVED BY THE CITY PRIOR TO COMMENCEMENT OF RELATED CONSTRUCTION ON THE PROJECT. IF EXISTING UTILITIES ARE DAMAGED BY THE CONTRACTOR, SAID UTILITIES SHALL BE REPAIRED OR REPLACED AT NO ADDITIONAL COST TO THE OWNER.
- 41. CONTRACTOR TO ABIDE BY THE CONDITIONS AND REQUIREMENTS RELATED TO PERMITS.
- 42. CONTRACTOR TO MAINTAIN THE SITE IN NEAT AND ORDERLY CONDITION.

#### **PAVING NOTES**

- 1. ALL ASPHALT SEAMS MUST BE SAW CUT AND CRACK SEALED AND SAND HEAT IMMEDIATELY APPLIED TO PREVENT FROM PEFLING DUF TO TRAFFIC
- 2. ALL EARTHWORKS UNDER PAVING AND SIDEWALKS TO BE USED BY VEHICULAR TRAFFIC SHALL BE COMPACTED TO AT LEAST 95% OF THE MAXIMUM DRY DENSITY PER ASTM D-1557-70 (PROCTOR). ALL OTHER AREAS SHALL BE COMPACTED TO 90%. REPORTS SHALL BE PROVIDED TO THE CITY
- 3. SUB GRADE DENSITIES WILL BE REQUIRED ON SITE, DENSITY AND SPECIAL INSPECTION REPORTS SHALL BE PROVIDED TO
- 4. PRIOR TO PLACEMENT OF PAVEMENT, SUBGRADE MUST BE ACCEPTED BY TESTING AGENCY BASED ON TEST RESULTS AND THE OBSERVATIONS OF A FIRM AND UNYIELDING SURFACE. TESTING AGENCY TO ESTABLISH TEST AREA BOUNDARIES. THE CONTRACTOR SHALL SUPPLY THE ENGINEER WITH A MIX DESIGN INCLUDING VALUES FOR THE THEORETICAL MAXIMUM DENSITY OF THE ASPHALT BEING USED ON THE PROJECT.
- 5. ASPHALT TO BE PLACED, COMPACTED AND TESTED IN ACCORDANCE WITH WSDOT SPECIFICATION SECTION 5-04.
- 6. SEAL ALL JOINTS WITH AR-4000W.

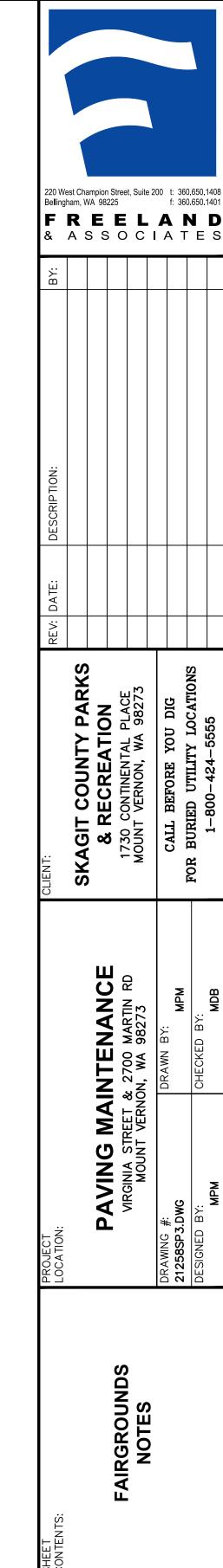
#### **STORM SEWER NOTES**

1. ALL PIPE MATERIAL, JOINTS AND PROTECTIVE TREATMENT SHALL BE IN ACCORDANCE WITH WSDOT SPECIFICATIONS UNLESS OTHERWISE SPECIFIED.

- 2. ON SITE-CONVEYANCE PIPE SHALL BE RIGID GASKETED PIPES
- 3. STORM PIPE SHALL BE A MINIMUM OF 12 INCHES DIAMETER UNLESS OTHERWISE SPECIFIED. UNLESS OTHERWISE NOTED.
- 4. ALL CONNECTIONS TO STORM STRUCTURES MUST HAVE SAND COLLARS IF SMOOTH OUTSIDE WALL PVC AND MUST BE INSPECTED PRIOR TO BACKFILLING. CONNECTIONS TO THE STORM WATER SYSTEM SHALL BE MADE ONLY AT STRUCTURES UNLESS OTHERWISE NOTED FOR CONNECTION WITH WYE FITTING.
- 5. PIPE COVER SHALL BE 24" MINIMUM UNLESS OTHERWISE SPECIFIED.
- 6. NEW STORM SEWER SYSTEMS AND EXISTING SYSTEMS WITHIN PROJECT LIMITS MUST BE VACTORED, SCREENED AND FLUSHED PRIOR TO FINAL ACCEPTANCE.

#### SEED M

1. GRASS SEED SHALL BE 3-WAY RYEGRASS SEED MIX OR EQUAL W/ RATE OF 10 LBS PER 1,000 SF.





JOB #: DATE: 04-07-2022

SCALE: SHEET: HORIZ: N/A VERT: N/A

# SKAGIT COUNTY PARKS & RECREATION PAVING MAINTENANCE SKAGIT COUNTY PLAYFIELDS

 $NW_{4}^{1}$  OF SEC. 16, TWP. 34N., RGE. 04 E., W.M. CITY OF MOUNT VERNON, SKAGIT COUNTY, WASHINGTON

## SHEET INDEX

**COVER SHEET EXISTING CONDITION PLAN DEMOLITION & TESC PLAN TESC NOTES & DETAILS PAVING PLAN (1) PAVING PLAN (2) PAVING PLAN (3) DETAILS NOTES** 

CALL BEFORE YOU DIG FOR BURIED UTILITY LOCATIONS 1-800-424-5555

# **LEGEND**

= EXISTING STORM DRAIN CATCH BASIN = EXISTING STORM DRAIN CATCH BASIN MANHOLE = EXISTING STORM DRAIN CLEANOUT ■ = PROPOSED STORM DRAIN CATCH BASIN = EXISTING SANITARY SEWER MANHOLE = EXISTING SANITARY SEWER CLEANOUT = EXISTING WATER METER BOX = EXISTING FIRE HYDRANT = EXISTING WATER FOUNTAIN = EXISTING POWER/AND OR UTILITY POLE = EXISTING GUY POLE = EXISTING GUY WIRE = EXISTING ELECTRICAL TRANSFORMER = EXISTING POWER VAULT/CONTROL PANEL = EXISTING POWER JBOX/HANDHOLD → = EXISTING LIGHT POLE - = EXISTING UTILITY POLE = EXISTING TV BOX □ = EXISTING TELEPHONE PEDESTAL = EXISTING FLAG POLE = EXISTING LANDSCAPING GM = EXISTING GAS METER = PROPOSED FLOW DIRECTION ARROW  $\frac{X}{XXX}$  = DETAIL CALLOUT

--- G --- G = EXISTING GAS MAIN --- w--- = Existing water line ----SFM ----SFM = EXISTING SEWER FORCE MAIN --D--D--D--D-DRAIN LINE SD ——— SD ——— = PROPOSED STORM DRAIN LINE (SOLID WALL) ------ = EXISTING CHAIN LINK FENCE — — — 10— — = EXISTING CONTOUR (INDEX) ----- = EXISTING CONTOUR (NORMAL) = PROPOSED CONTOUR (NORMAL) = PROPOSED SPOT ELEV @ TOP OF PAVEMENT = PROPOSED ASPHALT PAVEMENT w/ TOP COURSE = PROPOSED ASPHALT PAVEMENT (FULL DEPTH REPLACEMENT) PROPOSED ASPHALT OVERLAY = RESTORE W/ TOPSOIL & GRASS SEED

## PROJECT INFORMATION

## **OWNER**

SKAGIT VALLEY COLLEGE/SKAGIT COUNTY PARKS & REC 1730 CONTINENTAL PLACE MOUNT VERNON, WA 98273 (360) 416-1356

## **ARCHITECT**

CARLETTI ARCHITECTS P.S. PETER CARLETTI, LEED 116 E FIR ST, SUITE A MOUNT VERNON, WA 98273 (360) 424-0394 PETER@CARLETTIARCHITECTS.COM

BRIANA@CO.SKAGIT.WA.US

## **CIVIL ENGINEER**

FREELAND & ASSOCIATES, INC. MILES MCEATHRON, PE 220 W. CHAMPION ST, SUITE 200 BELLINGHAM, WASHINGTON 98225 (360) 650-1408 MMCEATHRON@FREELANDENGINEERING.COM

## **SURVEYOR**

SOUND DEVELOPMENT GROUP, LLC JAY STANDISH, PLS 1111 CLEVELAND AVE, SUITE 202 MOUNT VERNON, WASHINGTON 98273 (360) 404–2010 JAY@SDG-LLC.COM

## TAX PARCEL #

## **FIBER OPTIC** GARY VERVALIN

WAVE BROADBAND PHONE: (425) 896-1958 MOB: (360) 630-8499 gvervalin@wavebroadband.com

# **CASCADE NATURAL GAS**

JIM HOBBS 1520 SOUTH 2ND MOUNT VERNON, WA 98273 (360) 336-6155 james.hobbs@cngc.com

## **PUGET SOUND ENERGY**

(POTELCO) MICHAEL JUDY 1660 PARK LANE BURLINGTON, WA 98233 TEL: (360) 766-5686 mike. judy@pse.com

## **WATER PURVEYOR**

**FRONTIER** 

BURLINGTON, WA 98233

CONTÀCT: chris.pameter@ftr.com

casey\_jones@cable.comcast.com

TEL: (360) 707-0641 FAX: (360) 757-4338

COMCAST

BELLINGHAM, WA 98225

TEL: (360) 527-8243

FAX: (360) 527-8302

CASEY JONES 400 SEQUOIA DRIVE

CHRIS PARMETER

595 PEASE ROAD

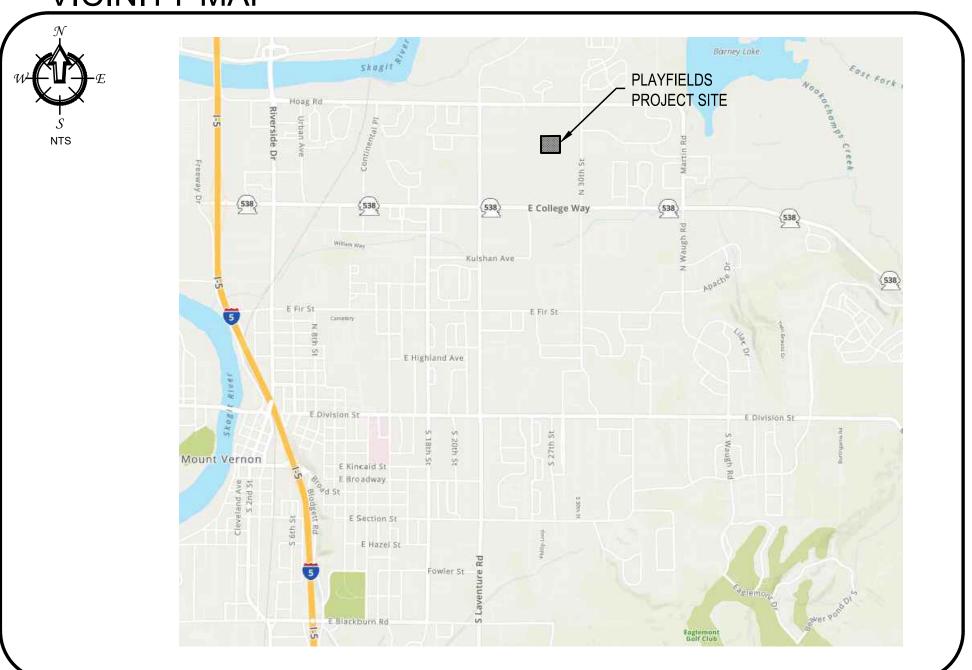
SKAGIT PUD #1 MIKE DEMERS" P.O. BOX 1436 MOUNT VERNON, WA 98273 TEL: (360) 242-7104 demers@skagitpud.com

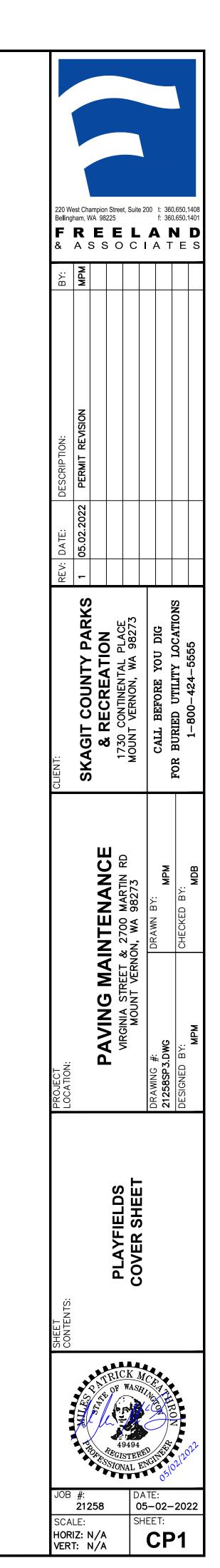
#### **CITY ENGINEERING INSPECTION** INSPECTION REQUESTS TO BE SCHEDULED USING PERMIT PORTAL AT:

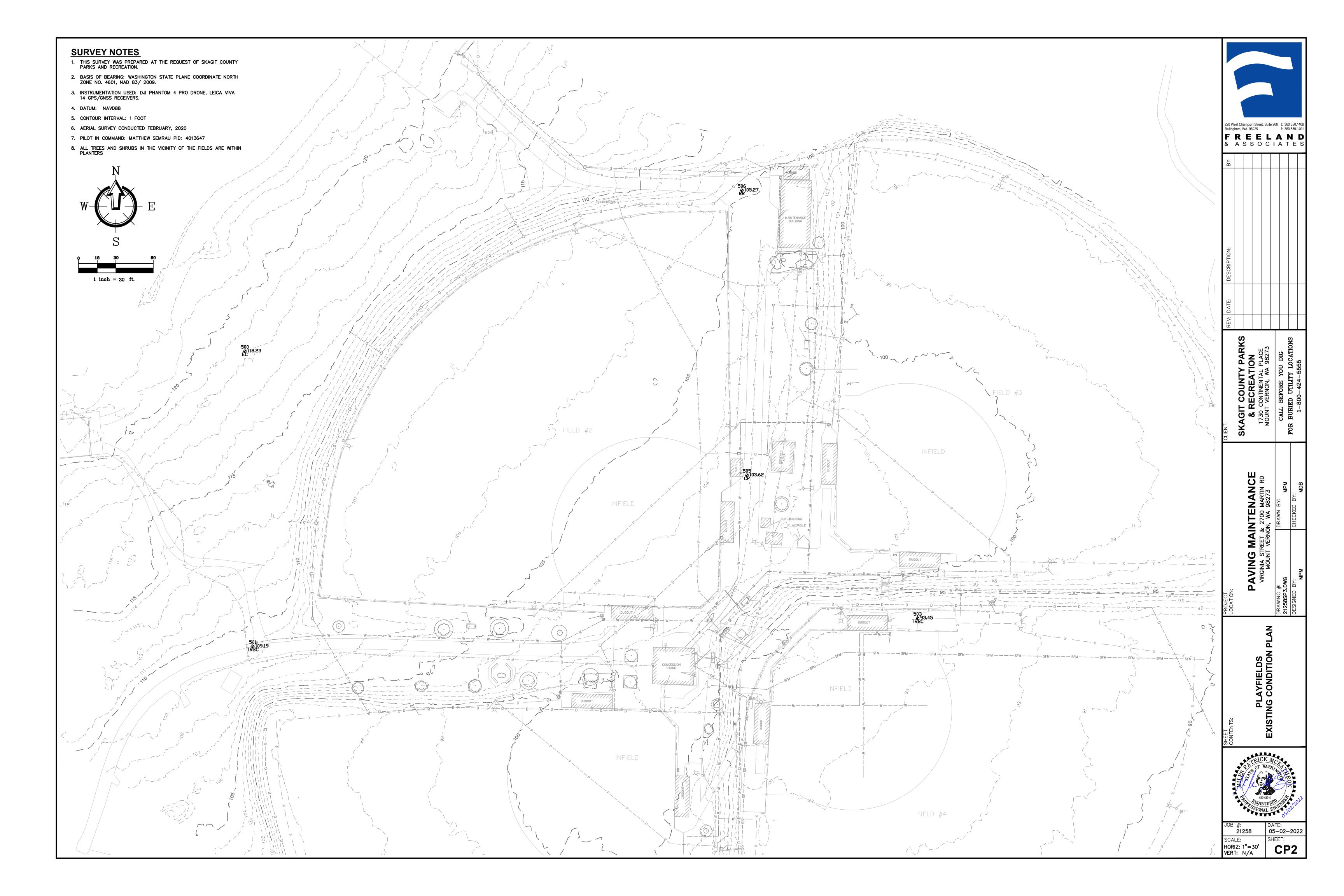
https://ci-mountvernon-wa.smartgovcommunity.com/Application/ApplicationInspectionRequest DEVELOPMENT SERVICES ENGINEERING MANAGER ALAN DANFORTH

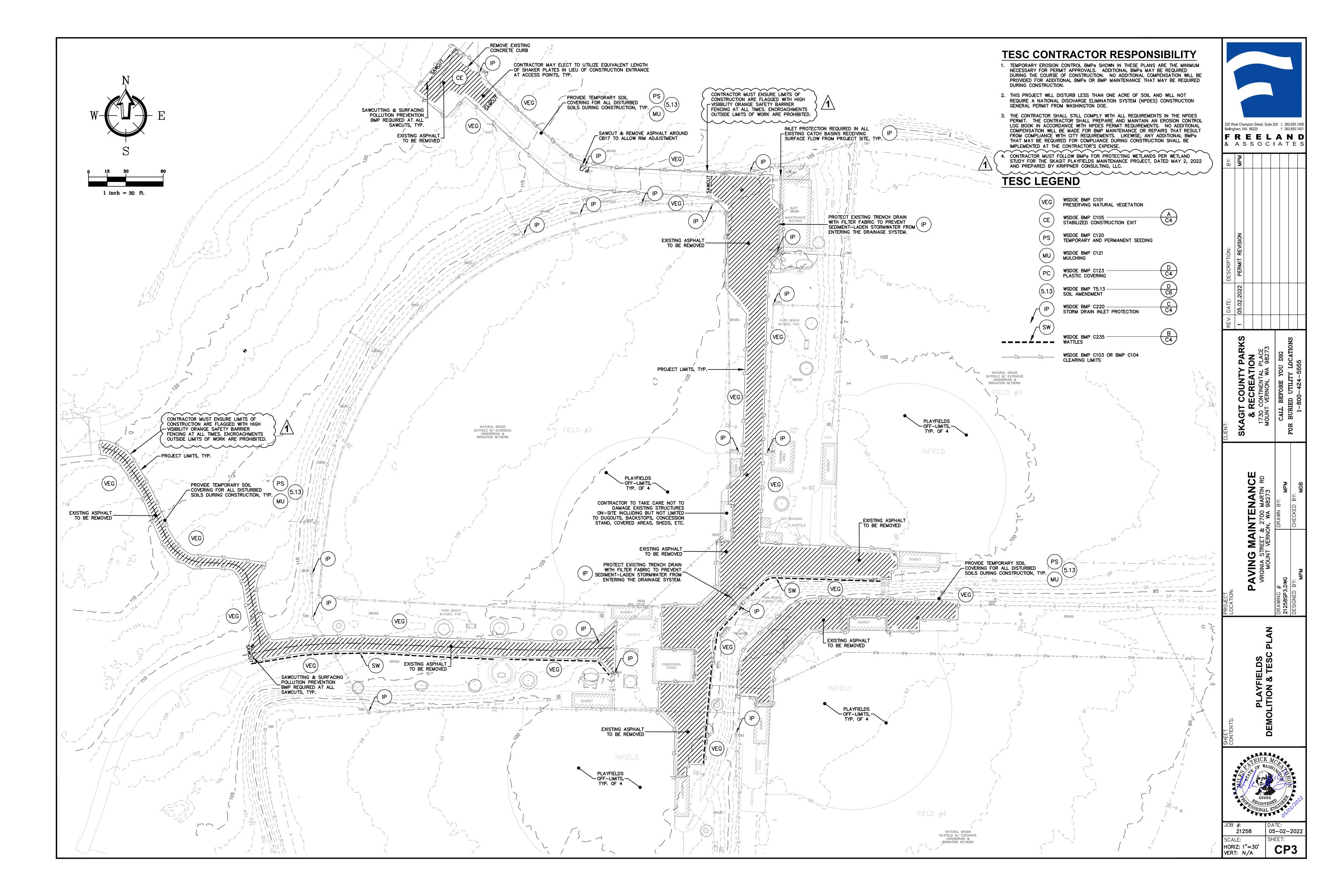
TEL: (360) 336-6214 aland@mountvernonwa.gov

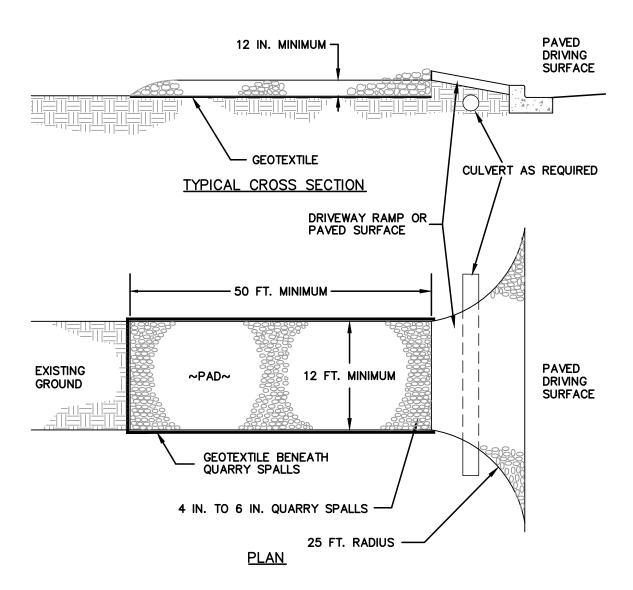
## **VICINITY MAP**





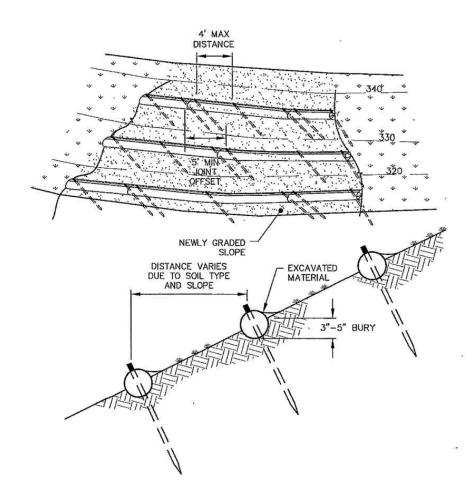






- PAD SHALL BE REMOVED AND REPLACED WHEN SOIL IS EVIDENT ON THE SURFACE OF THE PAD OR AS DIRECTED BY WHATCOM COUNTY.
- 2. PAD THICKNESS SHALL BE INCREASED IF SOIL CONDITIONS DICTATE OR PER THE
- 3. MINIMUM DIMENSIONS MAY BE MODIFIED AS REQUIRED BY SITE CONDITIONS UPON APPROVAL OF WHATCOM COUNTY.

A TEMP. CONSTRUCTION ENTRANCE



- 1. JOINTS MUST BE OFFSET BY NO LESS THAN FIVE FEET.
- 2. ROLLS SHALL BE ALIGNED PARALLEL TO ELEVATION CONTOURS. 3. HYDROSEED OR MULCH SLOPE FOR ADDITIONAL EROSION CONTROL.



DIRECTION OF ENGINEER OF RECORD OR THE CERTIFIED EROSION & SEDIMENTATION

SWPPP ELEMENT 1: MARK CLEARING LIMITS:

THE PROJECT SITE IS CONTAINED WITHIN A DEVELOPED COMPLEX. LIMITS OF DISTURBANCE ARE MARKED AS CLEARING LIMITS ON THE PLANS. EXISTING VEGETATION AND GRASS SHALL BE MAINTAINED IN AN UNDISTURBED STATE TO THE MAXIMUM EXTENT POSSIBLE. THERE ARE NO EXISTING TREES TO BE RETAINED OR REMOVED WITHIN THE PROJECT LIMITS. MARK LIMITS OF DISTURBANCE WITH HIGH VISIBILITY ORANGE

## SWPPP ELEMENT 2: ESTABLISH CONSTRUCTION ACCESS:

A STABILIZED CONSTRUCTION ENTRANCE WILL BE INSTALLED AT LOCATIONS IDENTIFIED ON THE PLAN FOR ACCESS. ALL CONSTRUCTION TRAFFIC, SUCH AS PERSONAL VEHICLES, WORK TRUCKS, ETC. THAT WILL ROUTINELY LEAVE THE SITE SHALL REMAIN ON EXISTING PAVED SURFACES AS MUCH AS POSSIBLE. CONSTRUCTION PERSONNEL, VEHICLES, AND EQUIPMENT SHALL NOT BLOCK OR OBSTRUCT ACCESS IN THE PARKING LOT. CONSTRUCTION TRAFFIC MAY ONLY LEAVE THE EXISTING STABILIZED SURFACES IF NECESSARY FOR EQUIPMENT OR MATERIAL TRANSFERS AS LONG AS ALL DISTURBANCE IS REPAIRED TO ORIGINAL CONDITION. PAVED ROADS WILL BE CLEANED AT THE END OF EACH DAY AND SEDIMENT TRANSPORTED TO ROADS WILL BE SWEPT AND DISPOSED OF AT A CONTROLLED DISPOSAL AREA. BMPS CONSIDERED FOR THIS ELEMENT INCLUDE: HOUSEKEEPING/MAINTENANCE BMP: DAILY STREET SWEEPING AND BMP C105: STABILIZED CONSTRUCTION ENTRANCE.

## SWPPP ELEMENT 3: CONTROL FLOW RATES:

THE PROPOSED PROJECT IS CONTAINED WITHIN A COMPLETELY DEVELOPED COMPLEX. CONSTRUCTION WILL BE LOCATED WITHIN AREA THAT IS ALREADY PAVED. PEAK FLOWS DURING CONSTRUCTION ARE NOT EXPECTED TO EXCEED EXISTING FLOW RATES. THIS PROJECT DOES NOT REQUIRE STORMWATER DETENTION. NO ADDITIONAL DOWNSTREAM ANALYSIS IS NECESSARY SINCE THE PROJECT WILL REPLACE AN EXISTING DEVELOPMENT. PROPOSED FACILITIES WILL MIMIC EXISTING FLOWS FROM THE SITE. NO SEDIMENT LADEN WATER SHALL DISCHARGE TO THE DRAINAGE SYSTEM. NO STORMWATER INFILTRATION FACILITIES WILL BE

### SWPPP ELEMENT 4: INSTALL SEDIMENT CONTROLS:

SEDIMENT CONTROLS WORK IN CONJUNCTION WITH BMPS IN ELEMENT #5: SOIL STABILIZATION TO RETAIN SEDIMENT ON SITE TO THE MAXIMUM AMOUNT PRACTICABLE. THE DUFF LAYER, NATIVE TOPSOIL, AND NATURAL VEGETATION OR GRASSES ON SITE WILL BE RETAINED IN AN UNDISTURBED STATE TO THE MAXIMUM EXTENT PRACTICABLE. STRAW WATTLES WILL BE INSTALLED ALONG THE DOWNSTREAM END OF THE WORK LIMITS IF NECESSARY. ALSO, IF EXCAVATED MATERIAL OR FILL MATERIAL IS PLACED WITHIN THE PROJECT SITE SUCH THAT RUNOFF FROM THE MATERIAL WOULD FLOW OFF SITE, THEN SEDIMENT CONTROLS, SUCH AS TEMPORARY BERMS OR SILT FENCE, MUST BE INSTALLED DOWNHILL FROM THE NEWLY-GRADED MATERIAL. ANY TEMPORARY DRAINAGE CHANNELS THAT MAY BE REQUIRED DURING CONSTRUCTION WILL BE STABILIZED WITH LININGS AND CHECK DAMS. BMPS CONSIDERED FOR THIS ELEMENT INCLUDE: BMP C231: BRUSH BARRIER, BMP C232: GRAVEL FILTER BERM, BMP C233: SILT FENCE AND BMP C235: STRAW

### SWPPP ELEMENT 5: STABILIZE SOILS:

EXISTING SOIL AND GROUND COVER SHALL BE RETAINED AND SHALL REMAIN UNDISTURBED TO THE MAXIMUM EXTENT PRACTICABLE TO MINIMIZE THE EROSION POTENTIAL ON SITE. ALL EXPOSED AND UNWORKED SOIL SHALL BE STABILIZED BY APPLICATION OF BMPS THAT PROTECT SOIL FROM THE EROSIVE FORCES OF RAINDROP IMPACTS, FLOWING WATER, AND WIND EROSION. SOIL PILES SHOULD BE COVERED WITH PLASTIC OR ROLLED EROSION CONTROL PRODUCTS (RECP) WHEN NOT IN IMMEDIATE USE.

CONSTRUCTION EROSION CONTROL BMPS SHALL BE INSTALLED PRIOR TO SOIL-DISTURBING ACTIVITIES TO THE MAXIMUM EXTENT PRACTICABLE. ANY BMPS THAT CANNOT BE INSTALLED PRIOR TO GRADING OR SOIL DISTURBANCE SHALL BE INSTALLED AND MADE OPERABLE IMMEDIATELY AFTER INSTALLATION IS MADE POSSIBLE. DISTURBED SOILS WILL BE PERMANENTLY STABILIZED ON SITE WITH PAVEMENT OR WITH PERMANENT PLANTINGS AND SEEDING. ALL EXPOSED AND UNWORKED SOIL WILL BE TEMPORARILY STABILIZED WITH SEEDING, MULCH, STRAW, NETS AND BLANKETS, OR PLASTIC COVERING PER DOE STANDARDS. NO SOIL WILL BE EXPOSED AND UNWORKED FOR MORE THAN SEVEN DAYS BETWEEN MAY 1 AND SEPTEMBER 30. NO SOIL WILL BE EXPOSED AND UNWORKED FOR MORE THAN TWO DAYS BETWEEN OCTOBER 1 AND APRIL 30. SOIL STOCKPILES MUST BE STABILIZED AND PROTECTED WITH SEDIMENT TRAPPING MEASURES. PLASTIC COVERING SHOULD BE INSTALLED ON ALL STOCKPILES THAT ARE NOT IN IMMEDIATE USE. STRAW WATTLES AND/OR SILT FENCE SHOULD ALSO BE INSTALLED AROUND THE PERIMETER OF SUCH STOCKPILES. AS RECOMMENDED IN ELEMENT 4, EXCAVATED SOIL MATERIAL SHOULD BE PLACED UPHILL FROM THE EXCAVATED AREAS. PROPOSED WORK IS LINEAR AND WILL BE UNDER THE CONTROL OF ONE GENERAL CONTRACTOR. THE CONTRACTOR SHALL ENSURE THAT APPROPRIATE CREWS AND MATERIALS ARE AVAILABLE ON SITE TO COMPLETELY STABILIZE THE SITE PRIOR TO FOUL WEATHER OR SITE CONDITIONS. BMPS CONSIDERED FOR THIS ELEMENT INCLUDE: BMP C120: TEMPORARY AND PERMANENT SEEDING, BMP C121: MULCHING, BMP C122: NETS AND BLANKETS AND BMP C123: PLASTIC COVERING.

## SWPPP ELEMENT 6: PROTECT SLOPES:

THE SITE IS FLAT WITH GENTLE GRADES ON SITE. NO SIGNIFICANT CUT OR FILL SLOPES ARE PROPOSED AS A PART OF THIS PROJECT.

### SWPPP ELEMENT 7: PROTECT DRAIN INLETS

ALL DRAINAGE INLETS MADE OPERABLE DURING CONSTRUCTION WILL BE PROTECTED SO THAT NO STORMWATER MAY ENTER THE CONVEYANCE SYSTEMS WITHOUT FILTRATION OR OTHER TREATMENT FOR SEDIMENT. IN ADDITION, EXISTING DRAINAGE INLETS NEAR THE PROJECT SITE WILL ALSO BE FITTED WITH TEMPORARY FILTER INSERTS OR OTHER APPLICABLE INLET PROTECTION. EXISTING INLETS THAT REQUIRE PROTECTION ARE IDENTIFIED ON THE CIVIL PLANS. ADDITIONAL INLET PROTECTIONS MAY BE REQUIRED IF SEDIMENT IS TRACKED ONTO PAVEMENT BEYOND THE CATCH BASINS THAT ARE IDENTIFIED ON THE PLANS. ALL APPROACH ROADS SHALL BE KEPT CLEAN AND ALL SEDIMENT AND STREET WASH WATER SHALL NOT BE ALLOWED TO ENTER STORM DRAINS WITHOUT PRIOR AND ADEQUATE TREATMENT UNLESS TREATMENT IS PROVIDED BEFORE THE STORM DRAIN DISCHARGES TO WATERS OF THE STATE. BMPS CONSIDERED FOR THIS ELEMENT INCLUDE: BMP C220: STORM DRAIN INLET PROTECTION.

### SWPPP ELEMENT 8: STABILIZE CHANNELS AND OUTLETS:

NO TEMPORARY OR PERMANENT CHANNELS ARE PROPOSED FOR THIS PROJECT. IF TEMPORARY CHANNELS BECOME NECESSARY DURING CONSTRUCTION, THEY SHALL BE DESIGNED AND BUILT WITH MINIMAL SLOPES (APPROXIMATELY 0.5%). SIDE SLOPES WILL BE LIMITED TO 2:1 AND WILL BE LINED WITH TOPSOIL AND GRASS. DURING CONSTRUCTION, THE SIDES OF THE SWALE SHOULD BE STABILIZED WITH ROLLED EROSION CONTROL PRODUCTS, PLASTIC, OR CLEAN GRAVEL.

## SWPPP ELEMENT 9: CONTROL POLLUTANTS:

ALL POLLUTANTS, INCLUDING WASTE MATERIALS AND DEMOLITION DEBRIS, THAT OCCUR ON SITE SHALL BE DISPOSED OF IN A MANNER THAT DOES NOT CONTAMINATE STORMWATER. DEMOLITION MATERIALS THAT WILL BE GROUND AND REUSED ON SITE SHALL BE COVERED AND ISOLATED FROM CONTACT WITH STORMWATER. COVER, CONTAINMENT, AND PROTECTION FROM VANDALISM SHALL BE PROVIDED FOR ALL CHEMICALS, LIQUID PRODUCTS, PETROLEUM PRODUCTS, AND NON-INERT WASTES PRESENT ON THE SITE. IF POSSIBLE, POTENTIAL STORMWATER POLLUTANTS SHOULD BE STORED INDOORS, IN LOCKABLE TRAILERS, OR IN SEALED SHIPPING CONTAINERS. MAINTENANCE AND REPAIR OF HEAVY EQUIPMENT AND VEHICLES INVOLVING OIL CHANGES, HYDRAULIC SYSTEM DRAIN DOWN, SOLVENT AND DE-GREASING CLEANING OPERATIONS, FUEL TANK DRAIN DOWN AND REMOVAL, AND OTHER ACTIVITIES WHICH MAY RESULT IN DISCHARGE OR SPILLAGE OF POLLUTANTS TO THE GROUND OR INTO STORMWATER RUNOFF MUST BE CONDUCTED USING SPILL PREVENTION MEASURES, SUCH AS DRIP PANS. CONTAMINATED SURFACES SHALL BE CLEANED IMMEDIATELY FOLLOWING ANY DISCHARGE OR SPILL INCIDENT. EMERGENCY REPAIRS MAY BE PERFORMED ON-SITE USING TEMPORARY PLASTIC PLACED BENEATH AND, IF RAINING, OVER THE VEHICLE. IF WHEEL WASHES OR TIRE BATHS ARE INSTALLED, WASTEWATER FROM THOSE BMPS SHALL BE DISCHARGED TO A SEPARATE ON-SITE TREATMENT SYSTEM OR TO THE SANITARY SEWER. SPECIAL PERMISSION FROM THE CITY OF BLAINE MUST BE GRANTED PRIOR TO DISCHARGING STORMWATER RUNOFF TO THE SEWER. AGRICULTURAL CHEMICALS WILL NOT BE APPLIED AT THIS SITE, WASHOUT OF CONCRETE TRUCKS AND HAND TOOLS (E.G. SCREEDS, RAKES, SHOVELS, FLOATS, OR TROWELS) WILL ONLY BE ALLOWED WITHIN FORMED AREAS AWAITING INSTALLATION OF CONCRETE OR WITHIN A DESIGNATED WASHOUT AREA ON SITE. IF POSSIBLE, ANY UNUSED CONCRETE IN THE TRUCK SHOULD BE RETURNED TO THE BATCH PLANT FOR RECYCLING.

## SWPPP ELEMENT 10: CONTROL DE-WATERING:

GROUNDWATER IS ASSUMED TO BE LOWER THAN THE PROPOSED UTILITIES. AS SUCH, NO DEWATERING IS ANTICIPATED AS A PART OF THIS PROJECT. IF DEWATERING DOES BECOME NECESSARY DURING CONSTRUCTION, THE CONTRACTOR SHALL PREPARE A DEWATERING PLAN IN ACCORDANCE WITH CITY STANDARDS AND DEPT. OF ECOLOGY REQUIREMENTS. AS A PART OF THE PLAN, ALL DEWATERING WATER SHALL BE DISCHARGED TO A CONTROLLED CONVEYANCE SYSTEM FOR TREATMENT. CLEAN, NON-TURBID DEWATERING WATER SHOULD BE ROUTED DIRECTLY TO TRIBUTARIES OR WATERS OF THE STATE. HIGHLY-TURBID DEWATERING WATER SHALL BE HANDLED SEPARATELY FROM STORMWATER AND MAY BE PUMPED TO VEGETATED AREAS ON SITE OR TRUCKED OFF SITE FOR TREATMENT AND DISPOSAL.

## SWPPP ELEMENT 11: MAINTAIN BMPS:

ALL TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL BMPS SHALL BE MAINTAINED AND REPAIRED AS NEEDED TO ASSURE CONTINUED PERFORMANCE OF THEIR INTENDED FUNCTION. ALL MAINTENANCE AND REPAIR SHALL BE CONDUCTED IN ACCORDANCE WITH BMP SPECIFICATIONS.

ALL TEMPORARY EROSION AND SEDIMENT CONTROL BMPS SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY BMPS ARE NO LONGER NEEDED. TRAPPED SEDIMENT SHALL BE REMOVED OR STABILIZED ON SITE. DISTURBED SOIL AREAS RESULTING FROM REMOVAL OF BMPS OR VEGETATION SHALL BE PERMANENTLY STABILIZED.

### SWPPP ELEMENT 12: MANAGE THE PROJECT:

PHASING OF CONSTRUCTION: THIS PROJECT WILL BE BUILT IN ONE PHASE. TO THE EXTENT PRACTICABLE, SITE DISTURBANCE, CLEARING, AND CONSTRUCTION WILL BE SCHEDULED APPROPRIATELY TO MINIMIZE THE TIME THAT SOIL MAY BE EXPOSED. CLEARING AND GRADING ACTIVITIES WILL OCCUR AFTER THE APPLICABLE PERMITS HAVE BEEN OBTAINED. WHEN ESTABLISHING CLEARING AND GRADING AREAS, CONSIDERATION WILL BE GIVEN TO MINIMIZING REMOVAL OF EXISTING VEGETATION AND MINIMIZING DISTURBANCE AND COMPACTION OF NATIVE SOILS EXCEPT AS NEEDED FOR BUILDING PURPOSES.

ADAPTOR SKIRT TRIM TO

OVERFLOW BYPASS FOR

PEAK STORM VOLUMES

L SEDIMENT ACCUMULATION

GEOTEXTILE FABRIC

1. INSERT SHALL BE INSTALLED PRIOR TO CLEARING AND GRADING ACTIVITY, OR UPON

3. SEDIMENT REMOVAL SHALL BE ACCOMPLISHED BY REMOVING THE INSERT, EMPTYING,

(C) STORM DRAIN INLET PROTECTION nts

2. SEDIMENT SHALL BE REMOVED FROM THE UNIT WHEN IT BECOMES HALF FULL

PLACEMENT OF A NEW CATCH BASIN.

AND RE-INSERTING IT INTO THE CATCH BASIN.

WITHIN 3"-5" OF GRATE

FROM OCTOBER 1 THROUGH APRIL 30, SOIL WILL NOT REMAIN EXPOSED AND UNWORKED FOR MORE THAN 2 DAYS. FROM MAY 1 THROUGH SEPTEMBER 30, SOIL WILL NOT REMAIN EXPOSED AND UNWORKED FOR MORE THAN 7 DAYS. IN ADDITION, WEATHER CONDITIONS SHALL BE CONTINUALLY MONITORED (INCLUDING BEFORE HOLIDAYS AND WEEKENDS) FOR PURPOSES OF PREPARING THE SITE FOR PREDICTED WEATHER CONDITIONS. BMPS THAT ARE EFFECTIVE IN STABILIZING SOILS AND PROTECTING THEM FROM EXPOSURE TO RAIN AND WND OR OTHER CLIMATIC CONDITIONS WILL BE IMPLEMENTED THROUGHOUT THE PROJECT. INSPECTION AND EVALUATION OF THE EFFECTIVENESS OF THE BMPS WILL OCCUR ON A DAILY BASIS. IN THE EVENT OF A FORECASTED PRECIPITATION EVENT, THE CONTRACTOR SHALL EVALUATE EXISTING BMPS ON SITE AND SHALL IMPLEMENT ADDITIONAL BMPS IF THE EXISTING SITE CONDITIONS ARE INADEQUATE TO PREVENT RAINFALL FROM CONTACTING UNSTABILIZED SURFACES.

### INSPECTION AND MONITORING:

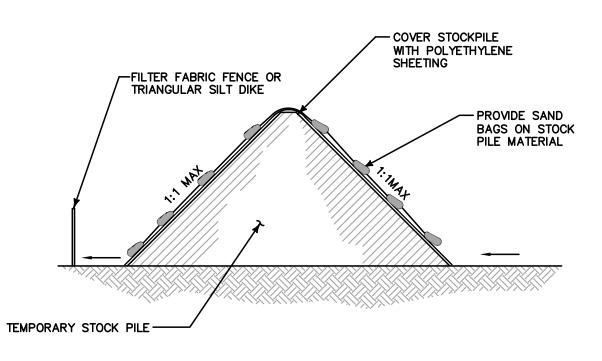
AS PREVIOUSLY MENTIONED, ALL BMPS WILL BE INSPECTED, MAINTAINED, AND REPAIRED AS NEEDED TO ASSURE CONTINUED PERFORMANCE OF THEIR INTENDED FUNCTION. IN THE EVENT THAT INSPECTION AND/OR MONITORING REVEALS THAT THE BMPS IDENTIFIED IN THIS CONSTRUCTION SWPPP ARE INADEQUATE DUE TO THE ACTUAL DISCHARGE OF OR POTENTIAL TO DISCHARGE A SIGNIFICANT AMOUNT OF ANY POLLUTANT, THIS SWPPP SHALL BE APPROPRIATELY MODIFIED IN A TIMELY MANNER. A CESCL IS NOT REQUIRED, BUT IS RECOMMENDED TO PERFORM EROSION CONTROL INSPECTIONS AND TO PROVIDE RECOMMENDATIONS FOR THIS PROJECT DURING CONSTRUCTION.

### MAINTENANCE OF THE CONSTRUCTION SWPPP:

THE CONSTRUCTION SWPPP WILL BE RETAINED ON SITE AND WILL BE UPDATED ON A REGULAR BASIS. A LOG WILL BE ATTACHED TO THE CONSTRUCTION SWPPP TO FACILITATE REGULAR UPDATES. MODIFICATIONS TO THE CONSTRUCTION SWPPP WILL BE MADE WHENEVER THERE IS A SIGNIFICANT CHANGE IN THE DESIGN, CONSTRUCTION, OPERATION, OR MAINTENANCE OF ANY BMP. IF THE CONTRACTOR DOES NOT IMPLEMENT BMPS SPECIFIED ON THESE PLANS AND IF SITE CONDITIONS DO NOT REQUIRE THE BMPS, THE CONTRACTOR SHALL PROVIDE WRITTEN JUSTIFICATION IN THE SWPPP FOR WHY THE BMP IS UNNECESSARY.

SWPPP ELEMENT 13: PROTECT LOW IMPACT DEVELOPMENT BMPs:

LOW IMPACT DEVELOPMENT BMPs TO BE PROTECTED DURING CONSTRUCTION INCLUDE SOIL QUALITY AND DEPTH: BMP T5.13. CONSTRUCTION TRAFFIC MUST KEEP OFF PROPOSED LAWN AREAS TO BE TREATED WITH



COMPACT STOCK PILE MATERIAL PER GEOTECHNICAL RECOMENDATIONS

# STOCKPILE PROTECTION

APPROVAL OF THIS EROSION AND SEDIMENT 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.).

- PRIOR TO COMMENCING CONSTRUCTION, ALL CRITICAL AREAS, INCLUDING WETLAND BUFFERS, STREAM BUFFER, LANDFILL AREAS, AND CONDITIONS AS DETERMINED BY THE CITY ONSPECTOR SHALL BE CONTINUOUSLY DEMARCATED IN THE FIELD USING FLAGGING TAPE OR FENCING. ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH CITY OF MOUNT VERNON STANDARDS AND SPECIFICATIONS.
- 2. EROSION CONTROL METHODS AND MATERIALS SHALL MEET REQUIREMENTS OF THE APWA/WASHINGTON STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION(CURRENT EDITION) AND REQUIREMENTS SET FORTH IN VOLUME II OF THE "STORMWATER MANAGEMENT MANUAL FOR THE PUGET SOUND BASIN (THE TECHNICAL MANUAL)", BY THE WASHINGTON STATE DEPARTMENT OF ECOLOGY, EDITION CURRENTLY ADOPTED BY THE CITY OF MOUNT VERNON. THE CONTRACTOR SHALL FOLLOW RECOMMENDATIONS MADE BY SUPPLIERS AND MANUFACTURERS OF MATERIALS
- 3. THE ESC FACILITIES SHOWN ON THIS PLAN MUST BE INSTALLED AND IN OPERTAION IN ADVANCE OF ALL CLEARING AND GRADING ACTIVITIES IN SUCH A MANNER AS TO ENSURE THAT SEDIMENT-LADEN WATER DOES NOT ENTER THE DRAINAGE SYSTEM OR VIOLATE APPLICABLE WATER STANDARDS. WHEREVER POSSIBLE, MAINTAIN NATURAL VEGETATION FOR SILT CONTROL.
- 4. THE ESC FACILITIES SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, THESE ESC FACILITIES SHALL BE UPGRADED AS NEEDED FOR UNEXPECTED STORM EVENTS. ADDITIONALLY, MORE ESC FACILITIES MAY BE REQUIRED TO ENSURE COMPLETE SILTATION CONTROL. DURING THE COURSE OF CONSTRUCTION, IT SHALL BE THE OBLIGATION AND RESPONSIBILITY OF THE CONTRACTOR TO ADDRESS ANY NEW CONDITIONS THAT MAY BE CREATED BY CONSTRUCTION ACTIVITIES AND TO PROVIDE ADDITIONAL FACILITIES OVER AND ABOVE THE MINIMUM REQUIREMENTS AS MAY BE NEEDED.
- ANY PERMANENT RETENTION/DETENTION FACILITY USED AS A TEMPORARY SETTLING BASIN SHALL BE MODIFIED WITH THE NECESSARY EROSION CONTROL MEASURES AND SHALL PROVIDE ADEQUATE STORAGE
- 6. A COPY OF THE APPROVED EROSION CONTROL PLANS MUST BE KEPT ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS.
- 7. A CLEARING CONTROL FENCE SHALL BE INSTALLED AT THE DRIP LINE OF TREES TO BE SAVED WHEREVER THE TREE CANOPIES EXTEND INTO THE AREA TO BE CLEARED.
- 8. OFF-SITE STREETS MUST BE KEPT CLEAN AT ALL TIMES. IF DIRT IS DEPOSITED ON THE PUBLIC STREET SYSTEM, THE STREET SHALL BE IMMEDIATELY CLEANED WITH POWER SWEEPER OR OTHER APPROVED EQUIPMENT. ALL ADJACENT OFF-SITE PROPERTIES AND DRAINAGE FACILITIES SHALL BE PROTECTED FROM DAMAGE. ALL VEHICLES SHALL LEAVE THE SITE BY WAY OF THE CONSTRUCTION ENTRANCE AND SHALL BE CLEANED OF ALL DIRT THAT WOULD BE DEPOSITED ON THE PUBLIC STREETS.
- 9. ALL PROPERTIES ADJACENT TO THE PROJECT SITE SHALL BE PROTECTED FROM SEDIMENT DEPOSITION AND RUNOFF. DO NOT FLUSH SEDIMENT OR CONCRETE BY-PRODUCTS OR CLEAN TRUCKS NEAR OR INTO THE STORM DRAINAGE OR SEWER SYSTEMS.
- 10. THE IMPLEMENTATION OF THESE ESC PLANS AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT, AND UPGRADING OF THESE FACILITIES IS THE RESPONSIBILITY OF THE OWNER/APPLICANT/ESC SUPERVISOR UNTIL ALL CONSTRUCTION IS APPROVED.
- 11. 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 SEASON SHALL BE IMMEDIATELY STABILIZED WITH THE APPROVED ESC METHODS.
- 12. ANY AREA NEEDING ESC MEASURES NOT REQUIRING IMMEDIATE ATTENTION SHALL BE ADDRESSED WITHIN FIFTEEN (15) CALENDAR DAYS. 13. THE ESC FACILITIES ON ACTIVE SITES SHALL BE INSPECTED AND MAINTAINED A MINIMUM OF ONCE A MONTH
- 14. 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 DOWNSTREAM SYSTEM.
- 15. STABILIZED CONSTRUCTION ENTRANCES AND ROADS SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES, SUCH AS WASH PADS, MAY BE REQUIRED TO ENSURE THAT ALL OFF-SITE PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.
- 16. PRIOR TO THE BEGINNING OF THE WET SEASON THE CONTRACTOR SHALL DETERMINE BMP MEASURES. ALL DISTURBED AREAS SHALL BE INSPECTED BY THE CONTRACTOR TO IDENTIFY WHICH AREAS SHALLBE STABILIZED IN PREPARATION FOR THE WINTER RAINS. DISTURBED AREAS SHALL BE STABILIZED WITHIN ONE WEEK OF THE BEGINNING OF THE WET SEASON.

### CONSTRUCTION SEQUENCE:

- 1. ATTEND PRE-CONSTRUCTION MEETING.
- 2. FLAG OR FENCE CLEARING LIMITS.

AND WITHIN FORTY-EIGHT HOURS FOLLOWING A STORM EVENT.

- 3. POST SIGN WITH NAME AND PHONE NUMBER OF ESC SUPERVISOR. 4. INSTALL CATCH BASIN PROTECTION.
- 5. INSTALL PERIMETER PROTECTION (STRAW WATTLES). 6. CLEAR/GRADE & CONSTRUCT DRAINAGE FACILITIES.
- 7. MAINTAIN EROSION CONTROL MEASURES IN ACCORDANCE WITH DOE SWMM STANDARDS. 8. RELOCATE SURFACE WATER CONTROLS AND EROSION CONTROL MEASURES OR INSTALL NEW MEASURES SO
- THAT AS SITE CONDITIONS CHANGE THE EROSION AND SEDIMENT CONTROL IS ALWAYS IN ACCORDANCE WITH MOUNT VERNON STANDARDS.
- 9. COVER ALL AREAS THAT WILL BE UNWORKED FOR MORE THAN 7 DAYS OR 2 DAYS IN THE WET SEASON WITH STRAW, WOOD FIBER MULCH, COMPOST, PLASTIC SHEETING OR EQUIVALENT.
- 10. STABILIZE ALL AREAS THAT REACH FINAL GRADE WITHIN 7 DAYS.
- 11. SEED OR SOD ANY AREAS TO REMAIN UNWORKED FOR MORE THAN 30 DAYS.
- 12. UPON COMPLETION OF THE PROJECT, ALL DISTURBED AREAS MUST BE STABILIZED AND BMP'S REMOVED.

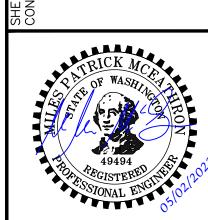




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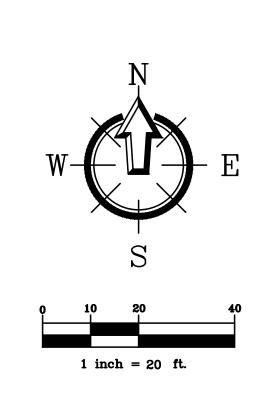
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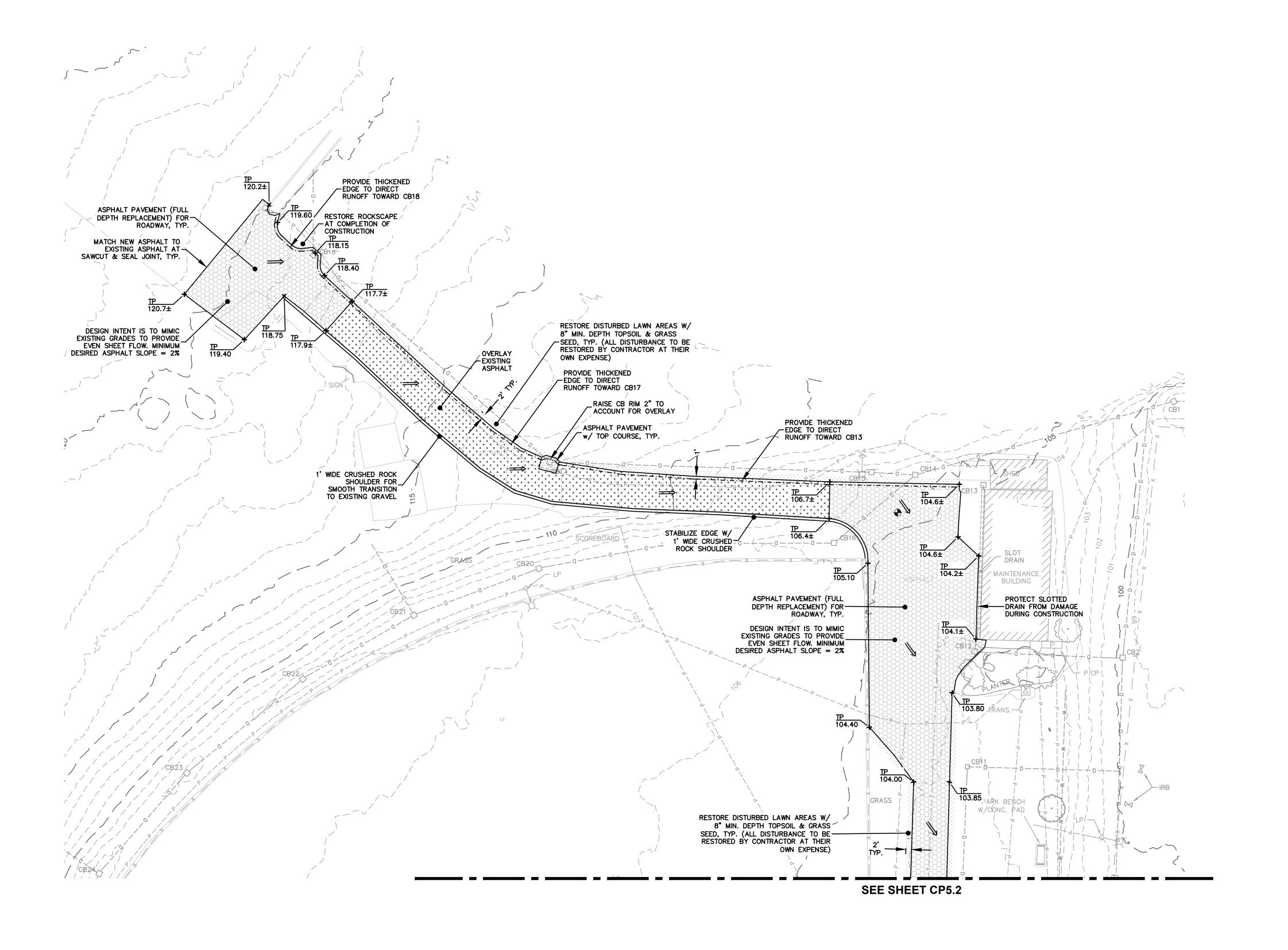
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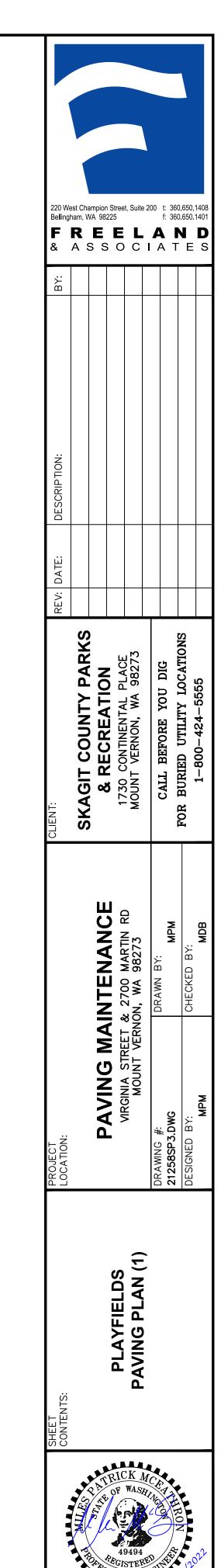


05-02-2022 21258 CP4 HORIZ: N/A VERT: N/A

E STORMWATER POLLUTION PREVENTION PLAN



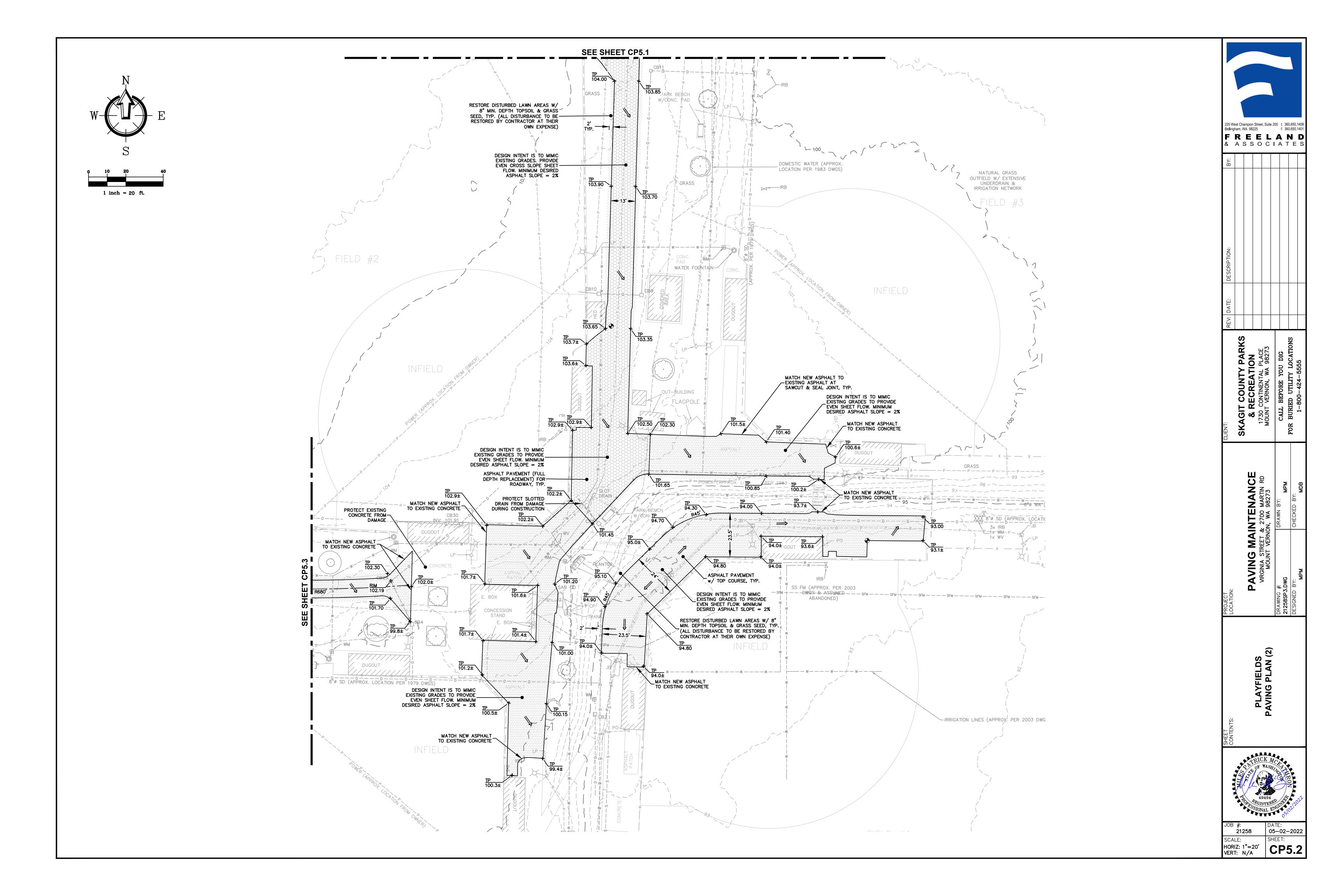


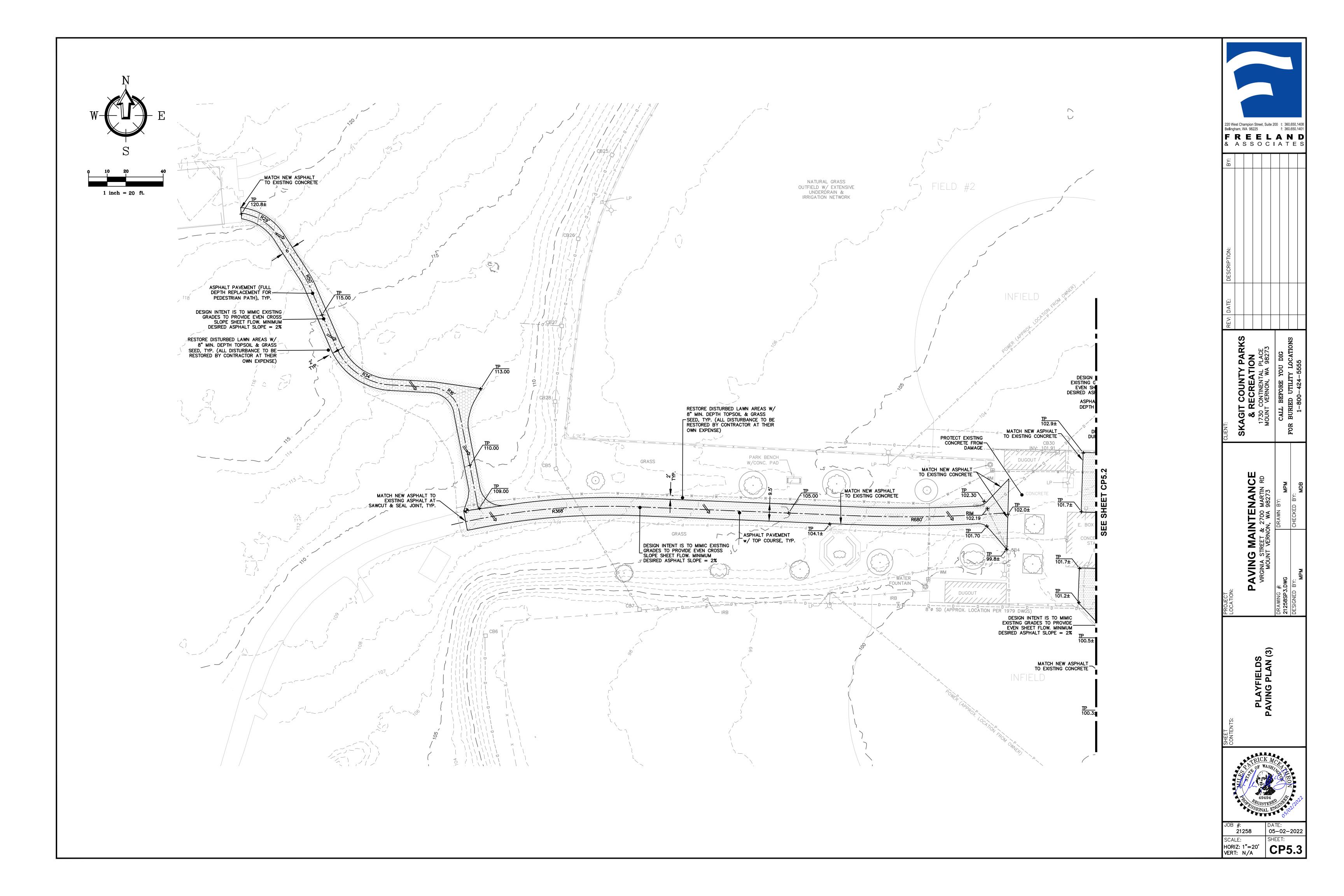


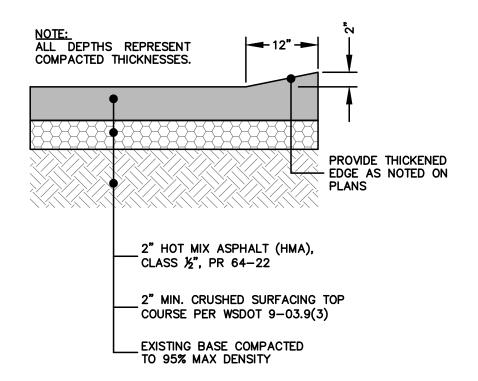
DATE: **05-02-2022** 

SCALE:
HORIZ: 1"=20'
VERT: N/A

SHEET:
CP5.1







SUBGRADE AND GRAVEL BASE NOTES:

(1) PAVEMENT SUBGRADE MUST MEET WSDOT STANDARDS AND BE APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO FILL OR PAVING

(2) HOT MIX ASPHALT ON SITE MAY BE RECYCLED WITHIN THE PARAMETERS ESTABLISHED BY WSDOT STANDARD SPECIFICATION 9-03.21, INCLUDING THE MAXIMUM ALLOWABLE PERCENTAGES LISTED IN TABLE 9-03.21(1)E.

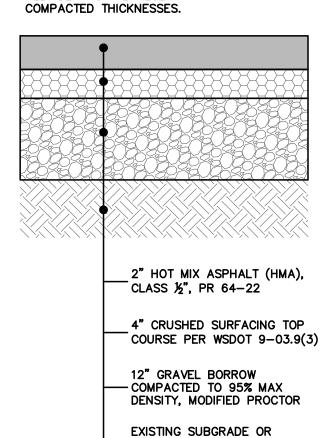
(3) HMA, AGGREGATE AND BINDER TO MEET WSDOT STANDARDS.

(4) FOG SEAL MAY BE REQUIRED IF THE ASPHALT MAT IS TOO OPEN-GRADED IN THE OPINION OF THE CITY ENGINEER.

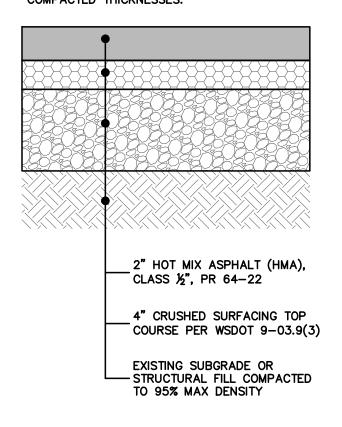
(5) FINAL ADJUSTMENT OF EXISTING CATCH BASINS, RIMS, CASTINGS, STRUCTURES, VALVES, ETC. SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.



NOTE: ALL DEPTHS REPRESENT



NOTE: ALL DEPTHS REPRESENT COMPACTED THICKNESSES.



PEDESTRIAN PATH

SUBGRADE AND GRAVEL BASE NOTES:

- STRUCTURAL FILL COMPACTED

TO 95% MAX DENSITY

ROADWAY

(1) PAVEMENT SUBGRADE MUST MEET WSDOT STANDARDS AND BE APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO FILL OR PAVING

(2) HOT MIX ASPHALT ON SITE MAY BE RECYCLED WITHIN THE PARAMETERS ESTABLISHED BY WSDOT STANDARD SPECIFICATION 9-03.21, INCLUDING THE

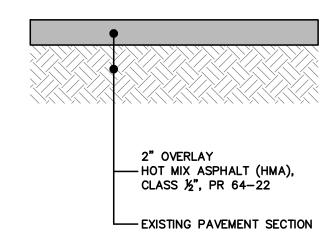
MAXIMUM ALLOWABLE PERCENTAGES LISTED IN TABLE 9-03.21(1)E. (3) HMA, AGGREGATE AND BINDER TO MEET WSDOT STANDARDS.

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B ASPHALT PAVEMENT - FULL DEPTH REPLACEMENT

NOTE: ALL DEPTHS REPRESENT COMPACTED THICKNESSES.



20 West Champion Street, Suite 200 t: 360.650.14

FREELAND & ASSOCIATES

Bellingham, WA 98225

AGIT COUNTY PARKS
& RECREATION
730 CONTINENTAL PLACE
OUNT VERNON, WA 98273

CO E

05-02-2022

CP6

SHEET:

21258

SCALE:

HORIZ: N/A VERT: N/A

SUBGRADE AND GRAVEL BASE NOTES:

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(C) ASPHALT OVERLAY nts

LOOSE SOIL with visible dark organic matter LOOSE OR FRACTURED SUBSOIL

Figure 5.3.3 – Planting bed Cross-Section

(Reprinted from Guidelines and Resources For Implementing Soil Quality and Depth BMP T5.13 in WDOE Stormwater Management Manual for Western Washington, 2010, Washington Organic Recycling Council)

ESTABLISHING A MINIMUM SOIL QUALITY AND DEPTH IS NOT THE SAME AS PRESERVATION OF NATURALLY OCCURRING SOIL AND VEGETATION. HOWEVER, ESTABLISHING A MINIMUM SOIL QUALITY AND DEPTH WILL PROVIDE IMPROVED ON-SITE MANAGEMENT OF STORMWATER FLOW AND WATER QUALITY. SOIL ORGANIC MATTER CAN BE ATTAINED THROUGH NUMEROUS MATERIALS SUCH AS COMPOST, COMPOSTED WOODY MATERIAL, BIOSOLIDS, AND FOREST PRODUCT RESIDUALS. IT IS IMPORTANT THAT THE MATERIALS USED TO MEET THE SOIL QUALITY AND DEPTH BMP BE APPROPRIATE AND BENEFICIAL TO THE PLANT COVER TO BE ESTABLISHED. LIKEWISE, IT IS IMPORTANT THAT IMPORTED TOPSOILS IMPROVE SOIL CONDITIONS AND DO NOT HAVE AN EXCESSIVE PERCENT OF CLAY FINES. THIS BMP CAN BE CONSIDERED INFEASIBLE ON TILL SOIL SLOPES GREATER THAN 33 PERCENT.

DESIGN GUIDELINES

SOIL RETENTION: RETAIN, IN AN UNDISTURBED STATE, THE DUFF LAYER AND NATIVE TOPSOIL 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.

SURFACE, INCORPORATED INTO A DRAINAGE FACILITY OR ENGINEERED AS STRUCTURAL FILL OR SLOPE SHALL, AT PROJECT COMPLETION, DEMONSTRATE THE FOLLOWING: 1. A TOPSOIL LAYER WITH A MINIMUM ORGANIC MATTER CONTENT OF 10% DRY WEIGHT IN PLANTING BEDS, AND 5%

ORGANIC MATTER CONTENT IN TURF AREAS, AND A PH FROM 6.0 TO 8.0 OR MATCHING THE PH OF THE 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.

3.USE COMPOST AND OTHER MATERIALS THAT MEET THESE ORGANIC CONTENT REQUIREMENTS:

a.THE ORGANIC CONTENT FOR "PRE-APPROVED" AMENDMENT RATES CAN BE MET ONLY USING COMPOST THAT MEETS THE DEFINITION OF "COMPOSTED MATERIALS" IN WAC 173-350-100. THIS CODE IS AVAILABLE ONLINE AT: <u>HTTP://APPS.LEG.WA.GOV/WAC/DEFAULT.ASPX?CITE=173-350</u>, THE COMPOST MUST ALSO HAVE AN ORGANIC MATTER CONTENT OF 40% TO 65%, AND A CARBON TO NITROGEN RATIO BELOW 25:1. THE CARBON TO NITROGEN RATIO MAY BE AS HIGH AS 35:1 FOR PLANTINGS COMPOSED ENTIRELY OF PLANTS NATIVE TO THE PUGET SOUND LOWLANDS REGION.

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

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

2.AMEND EXISTING SITE TOPSOIL OR SUBSOIL EITHER AT DEFAULT "PRE-APPROVED" RATES, OR AT CUSTOM CALCULATED RATES BASED ON TESTS OF THE SOIL AND AMENDMENT. 3.STOCKPILE EXISTING TOPSOIL DURING GRADING, AND REPLACE IT PRIOR TO PLANTING. STOCKPILED TOPSOIL MUST

ALSO BE AMENDED IF NEEDED TO MEET THE ORGANIC MATTER OR DEPTH REQUIREMENTS, EITHER AT A DEFAULT "PRE-APPROVED" RATE OR AT A CUSTOM CALCULATED RATE.

4.IMPORT TOPSOIL MIX OF SUFFICIENT ORGANIC CONTENT AND DEPTH TO MEET THE REQUIREMENTS. MORE THAN ONE METHOD MAY BE USED ON DIFFERENT PORTIONS OF THE SAME SITE. SOIL THAT ALREADY MEETS

Volume V — Runoff Treatment BMPs — August 2012

AVING VIRGINIA STI SOIL QUALITY: ALL AREAS SUBJECT TO CLEARING AND GRADING THAT HAVE NOT BEEN COVERED BY IMPERVIOUS 2.MULCH PLANTING BEDS WITH 2 INCHES OF ORGANIC MATERIAL THE RESULTING SOIL SHOULD BE CONDUCIVE TO THE TYPE OF VEGETATION TO BE ESTABLISHED. 1. LEAVE UNDISTURBED NATIVE VEGETATION AND SOIL, AND PROTECT FROM COMPACTION DURING CONSTRUCTION. THE DEPTH AND ORGANIC MATTER QUALITY STANDARDS, AND IS NOT COMPACTED, DOES NOT NEED TO BE AMENDED.

D SOIL AMENDMENTS - BMP T5.13

#### **GENERAL/GRADING NOTES**

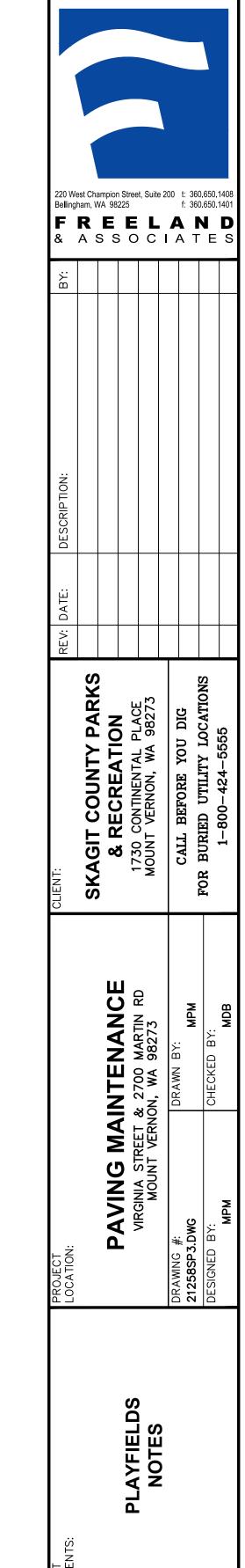
- 1. AT THE DISCRETION OF THE CITY, ANY ERRORS OR OMISSIONS IN THE APPROVED PLANS OR INFORMATION USED AS A BASIS FOR SUCH APPROVALS MAY CONSTITUTE GROUNDS FOR WITHDRAWAL OF ANY APPROVALS AND/OR STOPPAGE OF ANY OR ALL PERMITTED WORK. IT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER TO SHOW CAUSE WHY SUCH WORK SHOULD RESUME AND MAKE SUCH CHANGES IN PLANS THAT MAY BE REQUIRED BY THE CITY PRIOR TO RE—APPROVAL OF THE PLANS.
- 2. AN ENGINEERING INSPECTION CARD IS PROVIDED WITH THE ISSUANCE OF EACH PERMIT. THESE ARE THE MINIMUM REQUIRED INSPECTIONS. OTHER INSPECTIONS MIGHT BE REQUIRED AS DETERMINED BY THE CITY INSPECTOR AND THE SCOPE
- 3. THE CONTRACTOR SHALL CALL FOR REQUIRED INSPECTIONS BY CALLING THE INSPECTION LINE NUMBER (360)336-6243. FAILURE TO PROPERLY NOTIFY THE CITY OF REQUIRED INSPECTION MIGHT RESULT ON NONACCEPTANCE OF THE WORK.
- 4. ALL CONTRACTORS WORKING IN THE CITY OF MOUNT VERNON MUST HAVE A CITY OF MOUNT VERNON BUSINESS LICENSE.
- 5. IT IS THE GENERAL CONTRACTOR'S RESPONSIBILITY TO LOCATE ALL UTILITIES PRIOR TO THE START OF CONSTRUCTION. CONTACT "ONE CALL": 1-800 424-5555 (OR 811)
- 6. ALL CONTRACTORS, SUBCONTRACTORS, TRADES AND CRAFTS PERFORMING WORK DURING CONSTRUCTION MUST ADHERE TO THE SAFETY REGULATIONS FOR CONTRACTORS AND OWNER'S EMPLOYEES IN ACCORDANCE WITH CURRENT WISHA STANDARDS
- 7. IN ADDITION TO MEETING THE CURRENT CITY OF MOUNT VERNON ENGINEERING STANDARD, ALL CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS AND THE AMERICAN PUBLIC WORKS ASSOCIATION STANDARDS AND PRACTICES.
- 8. TRAFFIC CONTROL SHALL STRICTLY ADHERE TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) STANDARDS. BEFORE ISSUANCE OF A RIGHT-OF WAY PERMIT, THERE IS TO BE AN APPROVED TRAFFIC CONTROL PLAN BY THE CITY'S DEVELOPMENT SERVICES ENGINEERING DIVISION. NO FULL ROAD CLOSURES WILL BE ALLOWED UNLESS APPROVED BY THE PUBLIC WORKS DIRECTOR.
- 9. 72 HOUR NOTICE IS REQUIRED FOR LANE CLOSURE NOTIFICATIONS
- 10. SURVEY STAKING IS REQUIRED FOR ALL UTILITIES AND LOT CORNERS.
- 11. SCHEDULE INSPECTIONS 24 HOURS IN ADVANCE. INSPECTION REQUESTS MUST BE CALLED IN BEFORE 8 AM FOR SAME DAY INSPECTIONS. THE INSPECTION LINE NUMBER IS (360)336-6243.
- 12. WORKING HOURS ARE FROM 7 AM TO 9 PM MONDAY THROUGH FRIDAY.
- 13. THE PERMITEE IS RESPONSIBLE FOR DAMAGES TO CITY PROPERTY, PAVEMENT, WALKS, UTILITIES, STREET STRIPING, THERMOPLASTICS OR UNDERGROUND CABLES. TRAFFIC SIGNAL DETECTION LOOPS DAMAGED BY CONSTRUCTION WILL BE REPLACED AT THE CONTRACTOR'S EXPENSE UNLESS DIRECTED OTHERWISE BY THE PUBLIC WORKS DIRECTOR.
- 14. COATED 12 GAUGE OR 14 GAUGE LOCATION WIRE MUST BE INSTALLED OVER ALL UNDERGROUND PVC OR OTHER NON-METALLIC PIPE UNLESS DIRECTED OTHERWISE BY THE INSPECTOR.
- 15. REVISIONS TO THE APPROVED CIVIL PLANS MUST BE SUBMITTED FOR REVIEW AND APPROVAL BY THE DEVELOPMENT SERVICES ENGINEERING MANAGER.
- 16. CONSTRUCTION AS-BUILT REQUIREMENTS ARE AS FOLLOWS: THE SITE SHALL BE RESURVEYED AND PLANS APPROPRIATELY MODIFIED BY THE ENGINEER OF RECORD. SUBMIT 1 RED LINED COPY OF PLANS TO APPROVE FOR AS-BUILT.
- 17. AFTER APPROVAL AND RETURN OF RED LINE PLANS, NEED 1 HARD COPY PLUS 1 AUTOCAD, 1 PDF AND 1 TIF FILE OF FINAL AS-BUILT ON CD, PRIOR TO THE ISSUANCE OF THE CERTIFICATE OF OCCUPANCY OR FINAL INSPECTION.
- 18. ALL GRADING DESIGN AND CONSTRUCTION ACTIVITY SHALL COMPLY TITLE 15.16, ALL MOUNT VERNON MUNICIPAL CODE, INCLUDING BUT NOT LIMITED TO 13.33 STORMWATER DRAINAGE UTILITY AND 15.40 CRITICAL AREAS.
- 19. ALL GRADING DESIGN AND CONSTRUCTION ACTIVITY SHALL COMPLY WITH THE CITY OF MOUNT VERNON ENGINEERING STANDARDS AND THE CURRENT WSDOT STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION.
- 20. A PRE-CONSTRUCTION MEETING IS REQUIRED PRIOR TO ANY CONSTRUCTION OR GRADING ACTIVITY.
- 21. A COPY OF THE FILL & GRADE PERMIT AND APPROVED PLANS SHALL BE KEPT ON-SITE DURING CONSTRUCTION.
- 22. DEVIATION AND REVISIONS TO THE APPROVED PLANS SHALL BE APPROVED BY THE PROJECT'S ENGINEER AND THE CITY OF MOUNT VERNON.
- 23. NO GRADING ACTIVITY MAY OCCUR WITHIN A CRITICAL AREA OR CRITICAL AREA BUFFER WITHOUT SPECIFIC APPROVAL.
- 24. IT SHALL BE THE RESPONSIBILITY OF BOTH THE PERMITTEE AND THE PROPERTY OWNER TO ADVISE THE CITY IMMEDIATELY OF ANY DISCREPANCIES, HAZARDOUS CONDITIONS OR PROBLEMS AFFECTING SAFETY AND STABILITY OF THE PROJECT
- 25. ALL FILL MATERIAL SHALL MEET THE STANDARD FOR THE INTENDED FUTURE USE. MATERIAL TO BE PLACE IN AREAS OF FUTURE BUILDING SITE SHALL BE STRUCTURAL FILL MATERIAL. TESTING SHALL BE REQUIRED AS DEEMED NECESSARY BY THE CITY OF MOUNT VERNON.
- 26. THE GROUND SURFACE SHALL BE PREPARED TO RECEIVE FILL BY REMOVING VEGETATION, TOPSOIL AND OTHER UNSUITABLE MATERIALS, AND SCARIFYING THE GROUND TO PROVE A BOND WITH THE FILL MATERIAL.
- 27. FILL MATERIAL SHALL NOT INCLUDE ORGANIC, FROZEN OR OTHER DELETERIOUS MATERIALS. NO ROCK OR SIMILAR IRREDUCIBLE MATERIAL GREATER THAN 12-INCHES IN ANY DIMENSION SHALL BE INCLUDED IN FILLS.
- 28. ALL FILL MATERIAL SHALL BE COMPACTED AT A MINIMUM TO 90 PERCENT OF MAXIMUM DENSITY AS DETERMINED BY ASTMD 1557 MODIFIED PROCTOR, IN LIFTS NOT EXCEEDING 12—INCHES IN DEPTH. TESTS TO DETERMINE THE DENSITY OF COMPACTED FILLS SHALL BE MADE ON THE BASIS OF NOT LESS THAN ONE TEST PER 7000 SQUARE FEET OF COMPACTED AREA PER 2—FOOT VERTICAL LIFT. ADDITIONAL TESTING MAY BE REQUIRED AT THE DIRECTION OF THE CITY INSPECTOR.
- 29. COMPACTION OF TEMPORARY STOCKPILE FILLS SHALL NOT BE REQUIRED, EXCEPT WHERE THE BUILDING OFFICIAL DETERMINES THAT COMPACTION IS NECESSARY AS A SAFETY MEASURE.
- 30. PROPERTY LOCATION AND APPROVED SETBACKS MUST BE ESTABLISHED AND STAKES SET UNDER THE SUPERVISION OF A REGISTERED LAND SURVEYOR WHEN GRADING ACTIVITIES OCCUR. THOSE STAKES MUST BE MAINTAINED IN PLACE UNTIL FINAL INSPECTION OF WORKS SO THAT THE INSPECTOR CAN DETERMINE AT ANY TIME IF THE EXCAVATION IS PROPERLY LOCATED AS RELATED TO PROPERTY LINES.
- 31. SETBACK DIMENSIONS SHALL BE MEASURED PERPENDICULAR TO THE PROPERTY LINE.
- 32. DRAINAGE SHALL BE PROVIDED IN ACCORDANCE WITH CITY OF MOUNT VERNON MUNICIPAL CODE 13.33 AND ENGINEERING STANDARDS AS THEY ARE CURRENTLY WRITTEN OR AS THEY MAY BE AMENDED IN THE FUTURE.
- 33. DOWN DRAINS SHALL TERMINATE INTO A CATCH BASIN OR OTHER APPROVED RECEIVER TO PREVENT SCOURING AT THE OUTFALL.
- 34. NO TRACKING OF MUD OR DEBRIS ON TO PUBLIC STREETS IS ALLOWED.
- 35. ALL GRADING ACTIVITY IS LIMITED TO THE HOURS BETWEEN 7:00 AM AND 9:00 PM MONDAY THROUGH FRIDAY AND 8:00 AM AND 9:00 PM SATURDAY AND SUNDAY. THE BUILDING OFFICIAL IS AUTHORIZED TO GRANT AN EXTENSION OF WORKING HOURS
- 36. PROJECTS SHALL BE INSPECTED AT VARIOUS STAGES OF THE WORK TO DETERMINE THAT ADEQUATE CONTROL IS BEING EXERCISED. STAGES OF WORK SUBJECT TO INSPECTION INCLUDE, BUT ARE NOT LIMITED TO: PRE—CONSTRUCTION, EROSION CONTROL, GRADING ACTIVITIES, INSTALLATION OF UTILITIES, STORMWATER FACILITIES, RETAINING WALLS, LANDSCAPING AND COMPLETION OF PROJECT.
- 37. ALL EXCESS SOIL MATERIALS, INCLUDING BUT NOT LIMITED TO TRENCH SPOILS, STRIPPED TOPSOIL, ORGANIC MATTER, ROAD CUT AND OTHER DEBRIS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF AT LOCATIONS ARRANGED BY THE CONTRACTOR AT THEIR EXPENSE.
- 38. ALL COSTS INVOLVED IN MAKING CORRECTIONS TO WORK WHICH DOES NOT MEET SPECIFICATIONS CONTAINED HEREIN SHALL BE BORNE BY THE CONTRACTOR AND NO PAYMENT WILL BE MADE FOR THIS WORK.
- 39. CONTRACTOR SHALL RESTORE OFF SITE CONSTRUCTION AREA TO ORIGINAL OR BETTER CONDITION. EXISTING CONDITION PHOTOS ARE REQUIRED TO BE TAKEN BY THE CONTRACTOR.
- 40. LOCATIONS OF EXISTING UTILITIES SHOWN HERON ARE APPROXIMATE, AND ARE NOT NECESSARILY COMPLETE. THE CONTRACTOR SHALL INDEPENDENTLY VERIFY THE ACCURACY OF ALL UTILITY LOCATIONS SHOWN, AND SHALL FURTHER DISCOVER AND AVOID ANY OTHER UTILITIES NOT SHOWN HEREON WHICH MAY BE AFFECTED BY THE IMPLEMENTATION OF THIS PLAN. IF CONFLICTS WITH EXISTING UTILITIES ARISE DURING CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND ANY CHANGES REQUIRED SHALL BE APPROVED BY THE CITY PRIOR TO COMMENCEMENT OF RELATED CONSTRUCTION ON THE PROJECT. IF EXISTING UTILITIES ARE DAMAGED BY THE CONTRACTOR, SAID UTILITIES SHALL BE REPAIRED OR REPLACED AT NO ADDITIONAL COST TO THE OWNER.
- 41. CONTRACTOR TO ABIDE BY THE CONDITIONS AND REQUIREMENTS RELATED TO PERMITS.
- 42. CONTRACTOR TO MAINTAIN THE SITE IN NEAT AND ORDERLY CONDITION.

#### **PAVING NOTES**

- 1. ALL ASPHALT SEAMS MUST BE SAW CUT AND CRACK SEALED AND SAND HEAT IMMEDIATELY APPLIED TO PREVENT FROM PEFLING DUE TO TRAFFIC
- 2. ALL EARTHWORKS UNDER PAVING AND SIDEWALKS TO BE USED BY VEHICULAR TRAFFIC SHALL BE COMPACTED TO AT LEAST 95% OF THE MAXIMUM DRY DENSITY PER ASTM D-1557-70 (PROCTOR). ALL OTHER AREAS SHALL BE COMPACTED TO 90%. REPORTS SHALL BE PROVIDED TO THE CITY
- 3. SUB GRADE DENSITIES WILL BE REQUIRED ON SITE. DENSITY AND SPECIAL INSPECTION REPORTS SHALL BE PROVIDED TO
- 4. PRIOR TO PLACEMENT OF PAVEMENT, SUBGRADE MUST BE ACCEPTED BY TESTING AGENCY BASED ON TEST RESULTS AND THE OBSERVATIONS OF A FIRM AND UNYIELDING SURFACE. TESTING AGENCY TO ESTABLISH TEST AREA BOUNDARIES. THE CONTRACTOR SHALL SUPPLY THE ENGINEER WITH A MIX DESIGN INCLUDING VALUES FOR THE THEORETICAL MAXIMUM DENSITY OF THE ASPHALT BEING USED ON THE PROJECT.
- 5. ASPHALT TO BE PLACED, COMPACTED AND TESTED IN ACCORDANCE WITH WSDOT SPECIFICATION SECTION 5-04.
- 6. SEAL ALL JOINTS WITH AR-4000W.

#### SFFD MIX

1. GRASS SEED SHALL BE 3-WAY RYEGRASS SEED MIX OR EQUAL W/ RATE OF 10 LBS PER 1,000 SF.





JOB #: DATE: 05-02-2022
SCALE: SHEET: HORIZ: N/A VERT: N/A