

EASTERN WASHINGTON STANDARD TESC NOTES

- APPROVAL OF THIS 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.).
- THE IMPLEMENTATION OF THESE ESC PLANS AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT, AND UPGRADING OF THESE ESC BMPs IS THE RESPONSIBILITY OF THE CONTRACTOR UNTIL ALL CONSTRUCTION IS COMPLETED AND APPROVED AND VEGETATION/LANDSCAPING IS ESTABLISHED.
- CLEARLY FLAG THE BOUNDARIES OF THE CLEARING LIMITS SHOWN ON THIS PLAN IN THE FIELD PRIOR TO CONSTRUCTION. DURING THE CONSTRUCTION PERIOD, NO DISTURBANCE BEYOND THE FLAGGED CLEARING LIMITS SHALL BE PERMITTED. THE FLAGGING SHALL BE MAINTAINED BY THE CONTRACTOR FOR THE DURATION OF CONSTRUCTION.
- CONSTRUCT THE ESC BMPs SHOWN ON THIS PLAN IN CONJUNCTION WITH ALL CLEARING AND GRADING ACTIVITIES, AND IN SUCH A MANNER AS TO ENSURE THAT SEDIMENT AND SEDIMENT LADEN WATER DO NOT ENTER THE DRAINAGE SYSTEM, ROADWAYS, OR VIOLATE APPLICABLE WATER STANDARDS.
- THE ESC BMPs SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, UPGRADE THESE ESC BMPs AS NEEDED FOR UNEXPECTED STORM EVENTS AND TO ENSURE THAT SEDIMENT AND SEDIMENT-LADEN WATER DO NOT LEAVE THE SITE.
- THE CONTRACTOR SHALL INSPECT THE ESC BMPs DAILY AND MAINTAIN THEM AS NECESSARY TO ENSURE THEIR CONTINUED FUNCTIONALITY.
- INSPECT AND MAINTAIN THE ESC BMPs ON INACTIVE SITES A MINIMUM OF ONCE A MONTH OR WITHIN THE 48 HOURS FOLLOWING A MAJOR STORM EVENT (24-HOUR STORM EVENT WITH A 10-YEAR OR GREATER RECURRENCE INTERVAL).
- AT NO TIME SHALL THE SEDIMENT EXCEED 60 PERCENT OF THE SUMP DEPTH OR HAVE LESS THAN 6 INCHES OF CLEARANCE FROM THE SEDIMENT SURFACE TO THE INVERT OF THE LOWEST PIPE. ALL CATCH BASINS AND CONVEYANCE LINES SHALL BE CLEANED PRIOR TO PAVING. THE CLEANING OPERATION SHALL NOT FLUSH SEDIMENT LADEN WATER INTO THE DOWNSYSTEM.
- INSTALL STABILIZED CONSTRUCTION ENTRANCES AT THE BEGINNING OF CONSTRUCTION AND MAINTAIN FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES MAY BE REQUIRED TO ENSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.

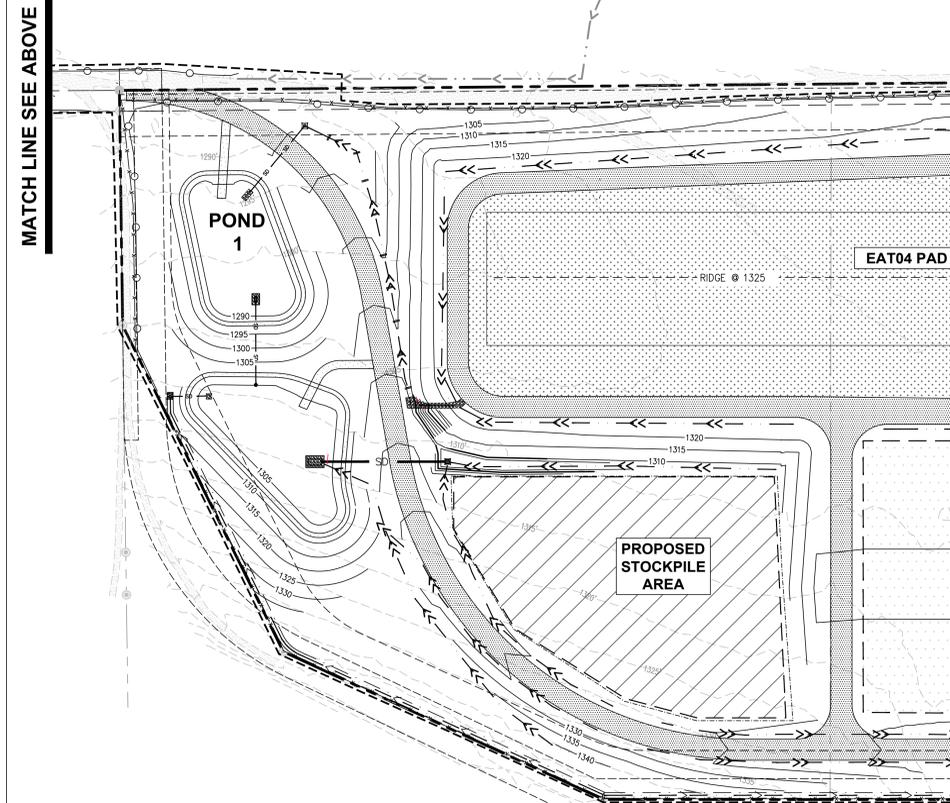
DUST CONTROL NOTES:

THE CONTRACTOR SHALL PROVIDE FOR ON-SITE DUST CONTROL MANAGEMENT. DUST SHALL BE MANAGED AND CONTROLLED BY ONE OF THE FOLLOWING PREVENTIVE MEASURES:

- MINIMIZE THE PERIOD OF SOIL EXPOSURE THROUGH THE USE OF TEMPORARY GROUND COVER OR OTHER TEMPORARY STABILIZATION METHODS.
- SPRINKLE THE SITE WITH WATER UNTIL SURFACE IS WET.
- SPRAY THE EXPOSED SOIL WITH A DUST PALLIATIVE. NOTE: USE OF PETROLEUM PRODUCTS OR HAZARDOUS MATERIALS IS PROHIBITED.
- DUST CONTROL WATER TRUCK SHALL BE ON-SITE AT ALL TIMES DURING DRY SEASON.

RUN-ON CONTROLS:

- DIVERT OFF-SITE STORMWATER (RUN-ON) OR GROUND WATER AWAY FROM SLOPES AND DISTURBED AREAS WITH INTERCEPTOR DIKES, PIPES, AND/OR SWALES. OFF-SITE STORMWATER SHALL BE MANAGED SEPARATELY FROM STORMWATER GENERATED ON THE SITE.
- TO THE DEGREE POSSIBLE, RUN-ON FROM THE UNDISTURBED AREAS SHALL BE DIVERTED FROM THE DISTURBED AREAS OF THE CONSTRUCTION SITE TO MINIMIZE THE AMOUNT OF AREA DRAINED FOR WHICH CONTROLS MUST BE PROVIDED.

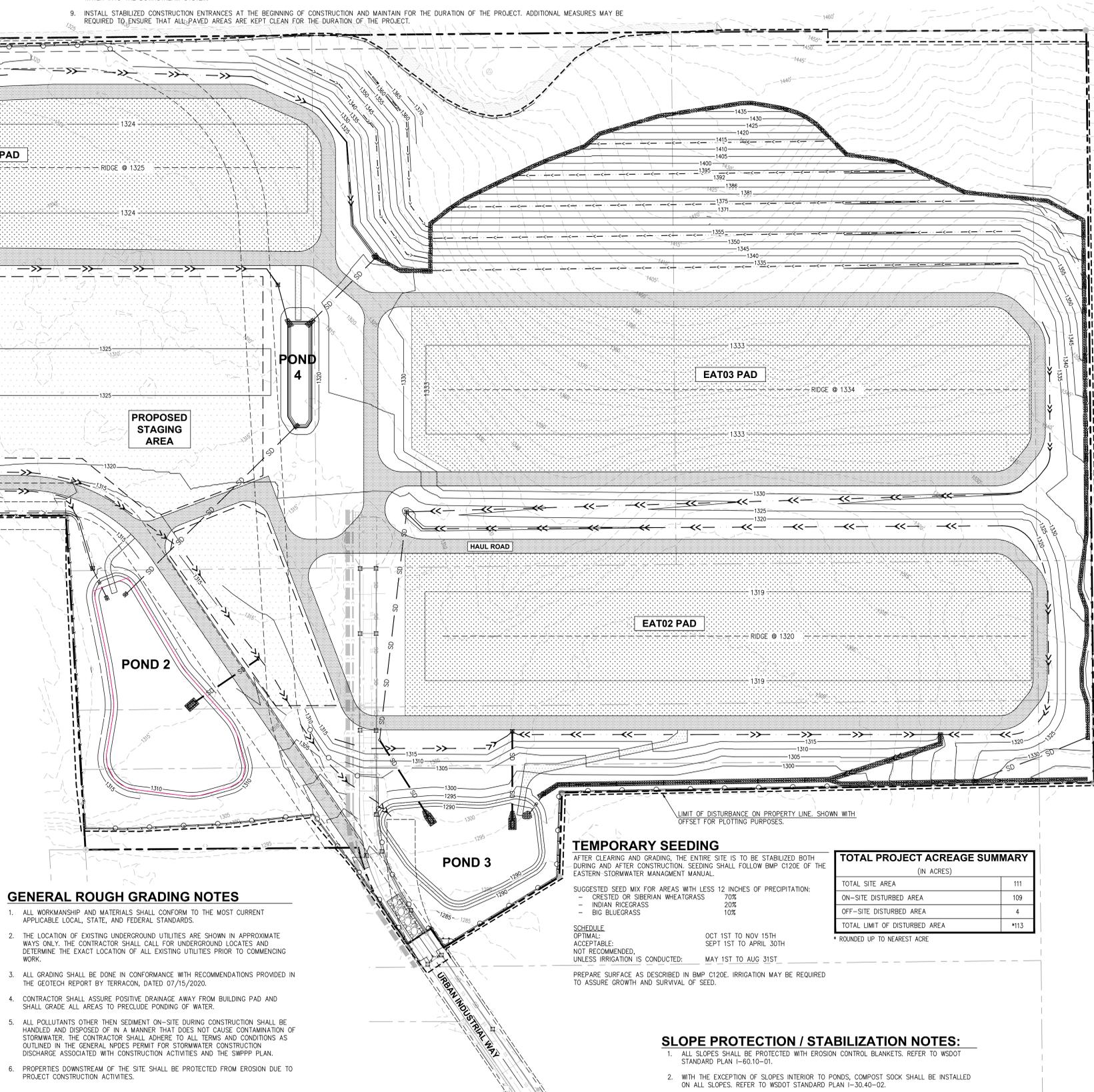


GENERAL NAVIX TESC NOTES

- ALL WORKMANSHIP AND MATERIALS SHALL CONFORM TO THE MOST CURRENT APPLICABLE LOCAL, STATE, AND FEDERAL STANDARDS.
- THE CONTRACTOR SHALL BE RESPONSIBLE AT ALL TIMES FOR PREVENTING SILT-LADEN RUNOFF FROM DISCHARGING FROM THE PROJECT SITE. FAILURE BY THE CONTRACTOR CAN RESULT IN A FINE. THE DESIGNATED TEMPORARY CONTACT PERSON NOTED ON THIS PLAN MUST BE AVAILABLE FOR CONTACT BY TELEPHONE ON A 24 HOUR BASIS THROUGHOUT CONSTRUCTION AND UNTIL THE PROJECT HAS BEEN COMPLETED AND APPROVED BY THE GOVERNMENTAL AGENCY WITH JURISDICTION.
- THE IMPLEMENTATION OF THESE ESC PLANS AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT AND UPGRADING OF THESE ESC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR FROM THE BEGINNING OF CONSTRUCTION UNTIL ALL CONSTRUCTION IS COMPLETED AND APPROVED BY THE GOVERNMENTAL AGENCY WITH JURISDICTION AND THE SITE IS STABILIZED.
- THE BOUNDARIES OF THE CLEARING LIMITS SHOWN ON THIS PLAN SHALL BE CLEARLY FLAGGED AND INSPECTED BY THE LOCAL JURISDICTION PRIOR TO ANY CLEARING OR CONSTRUCTION TAKING PLACE. DURING CONSTRUCTION, NO DISTURBANCE BEYOND THE FLAGGED CLEARING LIMITS SHALL BE PERMITTED. THE FLAGGING SHALL BE MAINTAINED BY THE OWNER AND/OR CONTRACTOR UNTIL ALL CONSTRUCTION IS APPROVED.
- THE EROSION AND SEDIMENTATION CONTROL FACILITIES SHOWN ON THIS PLAN ARE TO BE CONSIDERED ADEQUATE BASIC REQUIREMENTS FOR THE ANTICIPATED SITE CONDITIONS. DURING CONSTRUCTION, DEVIATIONS FROM THIS PLAN MAY BE NECESSARY IN ORDER TO MAINTAIN WATER QUALITY.
- ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSPECTED BY THE CONTRACTOR ON A FREQUENT BASIS AND IMMEDIATELY AFTER EACH RAINFALL, AND MAINTAINED AS NECESSARY TO INSURE THEIR CONTINUED FUNCTIONING. ALL SEDIMENT MUST BE REMOVED FROM SILT FENCES, STRAW BALES, SEDIMENT PONDS, ETC. PRIOR TO THE SEDIMENT REACHING 1/2 ITS MAXIMUM POTENTIAL DEPTH.
- AT NO TIME SHALL CONCRETE, CONCRETE BYPRODUCTS, VEHICLE FLUIDS, PAINT, CHEMICALS, OR OTHER POLLUTING MATTER BE PERMITTED TO DISCHARGE TO THE TEMPORARY OR PERMANENT DRAINAGE SYSTEM, OR TO DISCHARGE FROM THE PROJECT SITE.
- THE CONTRACTOR PERFORMING THE WORK SHALL MAINTAIN A SET OF THE APPROVED CONSTRUCTION DRAWINGS ON SITE AT ALL TIMES WHILE CONSTRUCTION IS IN PROGRESS.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR PERFORMING THE WORK TO OBTAIN ALL NECESSARY PERMITS FROM THE LOCAL JURISDICTION PRIOR TO COMMENCING ANY WORK WITHIN THE PUBLIC RIGHT-OF-WAY.
- THE CONTRACTOR PERFORMING THE WORK SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE TRAFFIC CONTROL AT ALL TIMES DURING CONSTRUCTION ALONGSIDE OR WITHIN ALL PUBLIC ROADWAYS.
- THIS APPROVED "TEMPORARY EROSION AND SEDIMENTATION CONTROL PLAN" MUST BE IMPLEMENTED PRIOR TO ANY SITE WORK. SEE THE PLANS AND DETAILS FOR FURTHER INFORMATION.
- CONTRACTOR SHALL ADHERE TO THE DESIGN REQUIREMENTS LISTED HERE, THE PROJECT SPECIFICATIONS, AND THE GEOTECHNICAL REPORT BY TERRACON, DATED JULY 15, 2020.
- THE CONTRACTOR SHALL NOTIFY THE OWNER AND THE ENGINEER IN THE EVENT OF DISCOVERY OF POOR SOILS, GROUNDWATER OR DISCREPANCIES IN THE EXISTING CONDITIONS AS NOTED ON THE PLANS AND GEOTECH REPORT.
- MAXIMUM SLOPES SHALL BE IN ACCORDANCE WITH GEOTECH REPORT.
- ROCKERIES OR OTHER RETAINING FACILITIES EXCEEDING 4' IN HEIGHT REQUIRE A SEPARATE PERMIT.
- ALL AREAS DISTURBED DURING CONSTRUCTION WHERE PERMANENT LANDSCAPING WILL NOT BE PROVIDED WITHIN 21 DAYS SHALL BE HYDROSEEDING OR OTHERWISE STABILIZED, AS REQUIRED. STRAW MULCHING OR PLASTIC SHEETING ARE ACCEPTABLE ALTERNATIVES TO TEMPORARY HYDROSEEDING DURING PERIODS OF LOW GROWTH.
- SLOPE STABILIZATION. CUT AND FILL SLOPES SHALL BE CONSTRUCTED IN A MANNER THAT WILL MINIMIZE EROSION. ROUGHENED SOIL SURFACES ARE PREFERRED TO SMOOTH SURFACES. INTERCEPTORS SHOULD BE CONSTRUCTED AT THE TOP OF LONG, STEEP SLOPES WHICH HAVE SIGNIFICANT AREAS ABOVE THAT CONTRIBUTE RUNOFF. CONCENTRATED RUNOFF SHOULD NOT BE ALLOWED TO FLOW DOWN THE FACE OF A CUT OR FILL SLOPE UNLESS CONTAINED WITHIN AN ADEQUATE CHANNEL OR PIPE SLOPE DRAIN. WHEREVER A SLOPE FACE CROSSES A WATER SEEPAGE PLANE, ADEQUATE DRAINAGE OR OTHER PROTECTION SHOULD BE PROVIDED. IN ADDITION, SLOPES SHOULD BE STABILIZED IN ACCORDANCE WITH ITEM 16 ABOVE.
- STORM DRAIN INLET PROTECTION. ALL STORM DRAIN INLETS MADE OPERABLE DURING CONSTRUCTION SHALL BE PROTECTED SO THAT STORMWATER RUNOFF SHALL NOT ENTER THE CONVEYANCE SYSTEM WITHOUT FIRST BEING FILTERED OR OTHERWISE TREATED TO REMOVE SEDIMENT.
- CONTRACTOR TO ENSURE POSITIVE DRAINAGE TO ONSITE CONVEYANCE MEASURES.
- CONTRACTOR TO COMPLETELY REMOVE ALL STRUCTURES AND ASSOCIATED APPURTENANCES, AS NEEDED TO ACCOMMODATE PROJECT IMPROVEMENTS, IN ACCORDANCE WITH APPLICABLE CODES AND ENVIRONMENTAL STUDIES.
- REFER TO PROJECT SPECIFICATIONS FOR STORM WATER POLLUTION PREVENTION PLAN (SWPPP) NARRATIVE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR DEVELOPING AND MAINTAINING A DUST CONTROL PLAN. DUST CONTROL SHALL BE IN ACCORDANCE WITH ALL LOCAL ORDINANCES. ALL DUST CONTROL MEASURES TO BE DONE WITH A PERSON OPERATED WATERING DEVICE (E.G. WATER TRUCK, WATER WAGON, ETC.). NO UNATTENDED WATERING ALLOWED. THE CONTRACTOR CAN MAKE ARRANGEMENTS WITH THE CITY OF EAST WENATCHEE FOR APPLICABLE METERING DEVICES FOR WATER USAGE.

GENERAL ROUGH GRADING NOTES

- ALL WORKMANSHIP AND MATERIALS SHALL CONFORM TO THE MOST CURRENT APPLICABLE LOCAL, STATE, AND FEDERAL STANDARDS.
- THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN APPROXIMATE WAYS ONLY. THE CONTRACTOR SHALL CALL FOR UNDERGROUND LOCATES AND DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES PRIOR TO COMMENCING WORK.
- ALL GRADING SHALL BE DONE IN CONFORMANCE WITH RECOMMENDATIONS PROVIDED IN THE GEOTECH REPORT BY TERRACON, DATED 07/15/2020.
- CONTRACTOR SHALL ASSURE POSITIVE DRAINAGE AWAY FROM BUILDING PAD AND SHALL GRADE ALL AREAS TO PRECLUDE PONDING OF WATER.
- ALL POLLUTANTS OTHER THEN SEDIMENT ON-SITE DURING CONSTRUCTION SHALL BE HANDLED AND DISPOSED OF IN A MANNER THAT DOES NOT CAUSE CONTAMINATION OF STORMWATER. THE CONTRACTOR SHALL ADHERE TO ALL TERMS AND CONDITIONS AS OUTLINED IN THE GENERAL NPDES PERMIT FOR STORMWATER CONSTRUCTION DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITIES AND THE SWPPP PLAN.
- PROPERTIES DOWNSYSTEM OF THE SITE SHALL BE PROTECTED FROM EROSION DUE TO PROJECT CONSTRUCTION ACTIVITIES.



TEMPORARY SEEDING

AFTER CLEARING AND GRADING, THE ENTIRE SITE IS TO BE STABILIZED BOTH DURING AND AFTER CONSTRUCTION. SEEDING SHALL FOLLOW BMP C120E OF THE EASTERN STORMWATER MANAGEMENT MANUAL.

- SUGGESTED SEED MIX FOR AREAS WITH LESS 12 INCHES OF PRECIPITATION:
- CRESTED OR SIBERIAN WHEATGRASS 70%
 - INDIAN RICEGRASS 20%
 - BIG BLUEGRASS 10%

SCHEDULE
OPTIMAL: OCT 1ST TO NOV 15TH
ACCEPTABLE: SEPT 1ST TO APRIL 30TH
NOT RECOMMENDED, UNLESS IRRIGATION IS CONDUCTED: MAY 1ST TO AUG 31ST

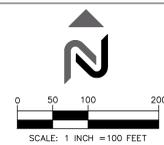
PREPARE SURFACE AS DESCRIBED IN BMP C120E. IRRIGATION MAY BE REQUIRED TO ASSURE GROWTH AND SURVIVAL OF SEED.

TOTAL PROJECT ACREAGE SUMMARY (IN ACRES)	
TOTAL SITE AREA	111
ON-SITE DISTURBED AREA	109
OFF-SITE DISTURBED AREA	4
TOTAL LIMIT OF DISTURBED AREA	*113

* ROUNDED UP TO NEAREST ACRE

SLOPE PROTECTION / STABILIZATION NOTES:

- ALL SLOPES SHALL BE PROTECTED WITH EROSION CONTROL BLANKETS. REFER TO WSDOT STANDARD PLAN 1-60.10-01.
- WITH THE EXCEPTION OF SLOPES INTERIOR TO PONDS, COMPOST SOCK SHALL BE INSTALLED ON ALL SLOPES. REFER TO WSDOT STANDARD PLAN 1-30.40-02.



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Drawn	SN, JT
Checked	JPH
AI	Project No. C200450-001
MS	Project No. 17052

Approvals

CUSTOMER	ADAM MCKNIGHT	Date
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OPERATIONS

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Microsoft Civil Engineer	CARLOS ELARMO	
Microsoft Electrical Engineer	SOLA MATYJUDA	
Engineering Manager	ADAM MCKNIGHT	
Security Manager	PAUL MACKIE	
CSM	SANDRA SLESKIC	

PROJECT MANAGEMENT

Project Planner	CHAD MENDELL	Date
Project Manager	SCOTT HAYS	
Senior Project Manager	CHAD MENDELL	
Development Manager		
Quality Control Reviewer		
Quality Control F&E		

Revisions

No.	Date	Description
1	09.13.2020	MASS GRADING: NEW
2	11.06.2020	MASS GRADING: PERMIT

Registration

Key Plan

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CIVIL OVERALL
TESC AND
ROUGH
GRADING PLAN