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MUKILTEO RIDGE
HOMEOWNERS
ASSOCIATION
MUKILTEO, WASHINGTON

STEEP SLOPE
RESTORATION
PARCEL #28-0403-0030-3200

Revisions

[illegible]

Registration



Key Plan

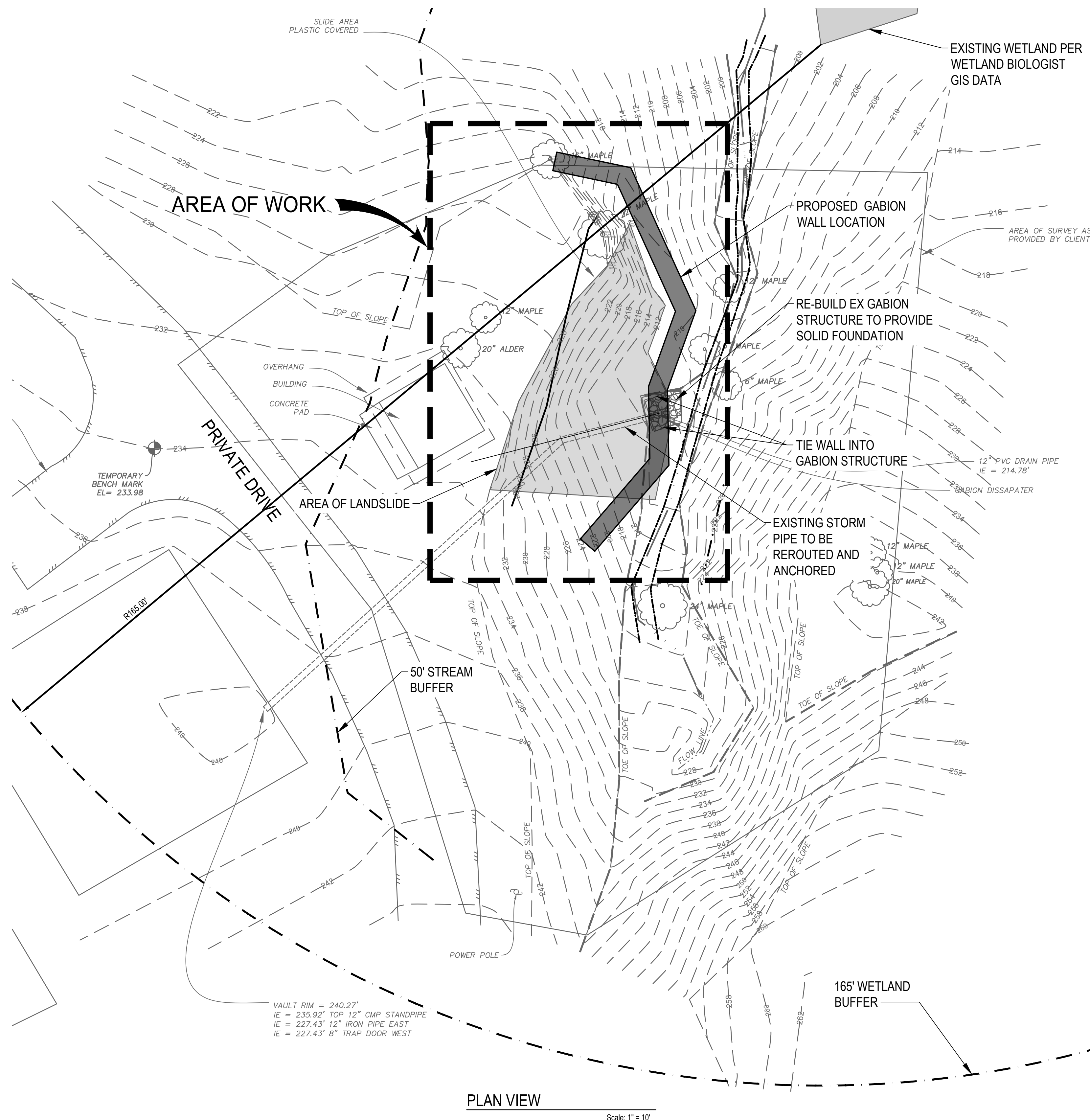
Sheet Title

Scale:	1" = 10'
CEI Project No:	181908
Date:	02/25/2022
Designed:	GMM
Drawn:	MG
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Sheet Number

Know what's below.
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1. **STANDARD SPECIFICATIONS - WORK AND MATERIALS SHALL COMPLY WITH THE REQUIREMENTS AND STANDARDS OF THE AUTHORITIES HAVING JURISDICTION.** IF STANDARDS ARE NOT PROVIDED BY THE AUTHORITIES HAVING JURISDICTION, ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE MOST CURRENT VERSION OF THE STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION AND THE STANDARD PLANS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION PREPARED BY THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION (WSDOT) AND THE WASHINGTON STATE CHAPTER OF THE AMERICAN PUBLIC WORKS ASSOCIATION (APWA) EXCEPT AS MODIFIED OR SUPERSEDED BY THE LOCAL DEVELOPMENT GUIDELINES & DESIGN AND CONSTRUCTION STANDARDS, THE UNIFORM BUILDING CODES, PERMIT CONDITIONS, AND ALL OTHER APPLICABLE CODES, ORDINANCES, STANDARDS, AND POLICIES. THE STANDARD PLANS AND STANDARD SPECIFICATIONS (WSDOT/APWA) MAY BE OBTAINED FROM THE OFFICE OF PRE-CONTRACT ADMINISTRATION AT THE HIGHWAY ADMINISTRATION BUILDING, OLYMPIA, WASHINGTON 98504, OR BY TELEPHONE ORDER: (360) 705-7835.
2. **PRE-CONSTRUCTION MEETING - A PRE-CONSTRUCTION MEETING MAY BE REQUIRED BY THE OWNER, OWNER'S REPRESENTATIVE, UTILITY SERVICE PROVIDERS AND/OR AUTHORITIES HAVING JURISDICTION (AHJ). CONTRACTOR TO COORDINATE WITH THESE PARTIES AND SCHEDULE PRE-CONSTRUCTION MEETINGS AS REQUIRED.**
3. **GEOTECHNICAL INFORMATION - A GEOTECHNICAL REPORT WAS PREPARED BY AMERICAN GEOSERVICES, DATED APRIL 18, 2018, PROJECT # 0178-WA17. THIS REPORT SHALL BE REFERENCED FOR ANY INQUIRY RELATING TO THE CONSTRUCTION OF ELEMENTS ON OR BENEATH THE SOILS UNDERLYING THE PROJECT SITE.**
4. **SURVEY AND TOPOGRAPHY - THE EXISTING BOUNDARY, TOPOGRAPHIC AND UTILITY INFORMATION SHOWN IS BASED ON THE SURVEY PREPARED BY ORCA LAND SURVEYING, RECEIVED MARCH 12, 2019.**
5. **SURVEY MONUMENTS - EXISTING PROPERTY CORNERS AND SURVEY MONUMENTS SHALL BE PROTECTED DURING CONSTRUCTION. ANY DAMAGED OR OBLITERATED CORNERS OR MONUMENTS SHALL BE RE-ESTABLISHED BY A PROFESSIONAL SURVEYOR AT THE CONTRACTOR'S EXPENSE.**
6. **EXISTING CONDITIONS - INFORMATION ON EXISTING CONDITIONS AND BOUNDARIES/RIGHT OF WAY SHOWN ON THESE PLANS WAS OBTAINED FROM A SURVEY NOT PERFORMED BY COFFMAN ENGINEERS. NO GUARANTEE IS MADE AS TO THE ACCURACY OR COMPLETENESS OF THE INFORMATION SHOWN. THE CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND REQUIRED ELEVATIONS AT THE SUBJECT SITE, AND VERIFY THE LOCATION AND SIZE OF EXISTING UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION ACTIVITIES, INCLUDING UNDERGROUND AND OVERHEAD UTILITIES, UTILITY STRUCTURES, POINTS OF CONNECTION, AND UTILITY CROSSINGS. NOTIFY THE ENGINEER OF ANY DISCREPANCIES OR EXCEPTIONS ENCOUNTERED PRIOR TO PROCEEDING. THE CONTRACTOR SHALL OBTAIN ADDITIONAL UTILITIES INFORMATION FROM THE APPROPRIATE AGENCIES. THE CONTRACTOR SHALL COORDINATE WITH THE PUBLIC AND PRIVATE UTILITIES TO DETERMINE THE WORK AND INSPECTIONS NECESSARY TO DISCONNECT, CUT, CAP, ABANDON, RELOCATE, OR REPAIR THEIR FACILITIES. ANY COSTS INCURRED AS A RESULT OF THE CONTRACTOR'S FAILURE TO VERIFY EXISTING CONDITIONS, PRIOR TO BEGINNING CONSTRUCTION, SHALL BE BORNE BY THE CONTRACTOR.**
7. **UTILITY LOCATION - IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO INDEPENDENTLY VERIFY THE ACCURACY OF ALL UTILITY LOCATIONS SHOWN, AND TO FURTHER DISCOVER AND AVOID ANY OTHER UTILITIES NOT SHOWN HEREON WHICH MAY BE AFFECTED BY THE IMPLEMENTATION OF THESE DRAWINGS. PRIOR TO STARTING CONSTRUCTION, CONTACT ONE-CALL, (1-800-424-5555) FOR UTILITY LOCATIONS AT LEAST 48 HOURS BEFORE STARTING PROJECT SITE WORK. NOTIFY THE UTILITIES INSPECTOR AT 206-433-0178. REQUEST A PUBLIC WORKS UTILITY INSPECTION AT LEAST 24 HOURS IN ADVANCE BY CALLING 206-433-0179. CONTRACTOR TO LOCATE AND DETERMINE DEPTH OF EXISTING UTILITIES, AND THE ENGINEER OF ANY CONFLICTS BETWEEN EXISTING FEATURES AND THE PLACEMENT OF NEW FACILITIES.**
8. **FIELD VERIFICATION - THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFICATION AND COORDINATION OF ALL DIMENSIONS AND ELEVATIONS BEFORE PROCEEDING WITH THE WORK.**
9. **DRAWINGS - A COPY OF THE APPROVED PLANS MUST BE ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS. THE DRAWINGS INDICATE LOCATIONS, DIMENSIONS, REFERENCES, AND TYPICAL DETAILS OF CONSTRUCTION. NOT EVERY DETAIL OF THE CONSTRUCTION IS SHOWN ON THESE DRAWINGS. WHERE CONDITIONS ARE NOT SPECIFICALLY INDICATED, BUT ARE OF A SIMILAR CHARACTER TO DETAILS SHOWN, SIMILAR DETAILS OF CONSTRUCTION SHALL BE USED, SUBJECT TO APPROVAL BY THE ENGINEER. THE CONTRACTOR SHALL REVIEW THE DRAWINGS PRIOR TO STARTING CONSTRUCTION AND BRING ALL PROBLEMS IMMEDIATELY TO THE ATTENTION OF THE ENGINEER IN ORDER TO AVOID DELAYS.**
10. **ELECTRONIC CAD FILES - AN ELECTRONIC CAD VERSION OF THIS PLAN SET IS AVAILABLE FROM COFFMAN ENGINEERS, UPON REQUEST.**
11. **ADDITIONAL DOCUMENTS - REFER TO ARCHITECTURAL AND STRUCTURAL DOCUMENTS FOR ADDITIONAL INFORMATION REGARDING CONSTRUCTION OF STRUCTURES, ENCLOSURES, STAIRS, SIDEWALKS/PATHS, LANDINGS/PATIOS, FENCING, RAILING, AND GATES.**
12. **RECORD DRAWINGS - RECORD DRAWINGS IDENTIFYING AND ACCURATELY LOCATING SUBSURFACE UTILITIES AND IMPROVEMENTS AND NOTING AS-CONSTRUCTED CONDITIONS SHALL BE PROVIDED BY THE CONTRACTOR AT THE END OF CONSTRUCTION.**
13. **JOB SITE SAFETY - THE CONTRACTOR SHALL CONDUCT ALL WORK IN A SAFE MANNER AS REQUIRED BY ALL APPLICABLE CITY, COUNTY, STATE AND FEDERAL REGULATIONS. THE ENGINEER HAS NOT BEEN RETAINED TO PROVIDE DESIGN AND/OR CONSTRUCTION REVIEW SERVICES RELATED TO THE CONTRACTOR'S SAFETY PRECAUTIONS, OR TO THE MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES FOR THE CONTRACTOR TO SPECIFICALLY TASKING THE WORK. THE UNDERTAKING OF PERIODIC SITE VISITS BY THE ENGINEER SHALL NOT BE CONSTRUED AS THE SUPERVISION OF ACTUAL CONSTRUCTION, NOR MAKE THE ENGINEER RESPONSIBLE FOR PROVIDING A SAFE PLACE FOR THE PERFORMANCE OF WORK BY THE CONTRACTOR OR THE CONTRACTOR'S EMPLOYEES OR EMPLOYEES OF SUPPLIERS OR SUBCONTRACTORS, OR FOR ACCESS, VISITS, USE, WORK, TRAVEL, OR OCCUPANCY BY ANY PERSON. SAFETY STANDARDS AND REQUIREMENTS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND COMPLIED WITH AS SET FORTH BY THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA).**
14. **WORKMANSHIP - THE CONTRACTOR SHALL PERFORM ALL WORK NECESSARY TO COMPLETE THIS PROJECT IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS. INCLUDING SUCH INCIDENTALS AS MAY BE NECESSARY TO MEET REQUIREMENTS AND STANDARDS OF THE AUTHORITIES HAVING JURISDICTION. ALL WORK SHALL BE PERFORMED IN A WORKMANLIKE MANNER AND IN CONFORMANCE WITH APPLICABLE CODES, REGULATIONS AND PERMIT REQUIREMENTS.**
15. **LICENSEURE - THE CONTRACTOR SHALL HAVE THE APPROPRIATE LICENSES TO PERFORM THE SPECIFIED WORK IN CONFORMANCE WITH THE AUTHORITIES HAVING JURISDICTION.**
16. **TRAFFIC CONTROL & SAFETY - THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC CONTROL ON-SITE AND SHALL COORDINATE THEIR ACTIVITIES WITH THE OWNER AND ENGINEER A MINIMUM OF TWO (2) WEEKS IN ADVANCE OF THE BEGINNING OF WORK. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL TRAFFIC CONTROL SIGNS. SAFE VEHICULAR AND PEDESTRIAN ACCESS SHALL BE PROVIDED AT ALL TIMES DURING CONSTRUCTION. SHUTTING DOWN OF OWNER OPERATION OR ACCESS WILL NOT BE PERMITTED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TRAFFIC CONTROL IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) STANDARDS. COORDINATE REQUIREMENTS WITH THE AUTHORITIES HAVING JURISDICTION. THE CONTRACTOR SHALL MAINTAIN ALL SIGNS, BARRICADES, WARNING LIGHTS, AND OTHER DEVICES NECESSARY FOR SAFETY.**
17. **PERMITTING - THE CONTRACTOR SHALL OBTAIN ALL LOCAL, STATE AND FEDERAL PERMITS REQUIRED FOR THE WORK IN ADDITION TO THOSE OBTAINED BY THE OWNER. THE CONTRACTOR SHALL CONDUCT ALL WORK IN CONFORMANCE WITH THE VARIOUS LOCAL, STATE AND FEDERAL PERMITS AND APPROVALS REQUIRED FOR THE PROJECT. THE CONTRACTOR SHALL COORDINATE WITH THE AUTHORITIES HAVING JURISDICTION TO CONFIRM INSPECTION, TESTING, AND CERTIFICATION REQUIREMENTS.**
18. **PROTECTION OF PROPERTY - THE CONTRACTOR SHALL PROTECT FROM DAMAGE OR DESTRUCTION TO PRIVATE AND PUBLIC PROPERTY ON OR IN THE VICINITY OF THE WORK THAT IS NOT SCHEDULED FOR REPAIR, REPLACEMENT OR REMOVAL, AND SHALL ENSURE THAT INTERFERENCE WITH THE USE OF SUCH PROPERTY IS MINIMIZED.**
19. **DAMAGE DURING CONSTRUCTION - ANY EXISTING PUBLIC OR PRIVATE IMPROVEMENTS DAMAGED DURING CONSTRUCTION SHALL BE REPLACED IN A MATTER TO BE APPROVED BY THE LOCAL JURISDICTION, APPROPRIATE UTILITY OWNER OR OWNER. IF ROADWAY PAVEMENT MUST BE BROKEN, THE LOCAL TRANSPORTATION DEPARTMENT WILL EITHER REPAIR THE STREET AND BILL THE CONTRACTOR FOR THIS WORK OR ALLOW THE CONTRACTOR TO COMPLETE THESE REPAIRS TO THEIR STANDARDS. ALL DISTURBED PROPERTY AND VEGETATION SHALL BE RESTORED TO ORIGINAL CONDITION OR BETTER AS SPECIFIED.**
20. **STAKING - CONSTRUCTION STAKING FOR CURB AND GUTTER, PAVEMENT GRADES, SIDEWALK GRADES, AND ANY OTHER VERTICAL AND/OR HORIZONTAL ALIGNMENT SHALL BE PROVIDED BY A SURVEYING OR ENGINEERING FIRM CAPABLE OF PERFORMING SUCH WORK.**

1. **SCHEDULE - ALL REQUIRED SEDIMENTATION / EROSION CONTROL FACILITIES MUST BE CONSTRUCTED AND IN OPERATION PRIOR TO ANY LAND CLEARING AND/OR OTHER CONSTRUCTION TO ENSURE THAT THE TRANSPORT OF SEDIMENT TO SURFACE WATERS, DRAINAGE SYSTEMS AND ADJACENT PROPERTIES IS PREVENTED. THE TESC FACILITIES SHALL BE MAINTAINED UNTIL PERMANENT EROSION CONTROL (PAVING, STRUCTURE, RE-VEGETATION WITH TREES, SHRUBS, GROUND COVER, ETC.) PER THE APPROVED PLANS IS IN PLACE.**
2. **IMPLEMENTATION - THE IMPLEMENTATION OF THE TEMPORARY EROSION AND SEDIMENT CONTROL (TESC) PLANS AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT AND UPGRADING OF THE TESC FACILITIES IN COORDINATION WITH THE APPROVED PLANS AND/OR SWPPP IS THE RESPONSIBILITY OF THE CONTRACTOR / TESC SUPERVISOR UNTIL ALL CONSTRUCTION IS APPROVED AND SITE IS PERMANENTLY STABILIZED. 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 THEIR ACTIVITIES AND TO PROVIDE ADDITIONAL FACILITIES, OVER AND ABOVE MINIMUM REQUIREMENTS, AS MAY BE NEEDED TO PROTECT ADJACENT PROPERTIES AND WATER QUALITY OF THE RECEIVING DRAINAGE SYSTEM.**
3. **INSPECTIONS BY CONTRACTOR - THE TEMPORARY EROSION CONTROL FACILITIES SHALL BE INSPECTED BY THE CONTRACTOR DAILY AND AT THE END OF EVERY RAINFALL, AND MAINTAINED AS NECESSARY TO ENSURE THEIR CONTINUED FUNCTIONING UNTIL ALL CONSTRUCTION IS APPROVED AND THE SITE HAS STABILIZED.**
4. **BEST MANAGEMENT PRACTICES (BMPs) - ALL TESC FACILITIES SHALL CONFORM TO THE BEST MANAGEMENT PRACTICES LISTED IN THE CURRENT EDITION OF THE DEPARTMENT OF ECOLOGY STORMWATER MANAGEMENT MANUAL FOR WESTERN WASHINGTON AND THE APPROVED SWPPP.**
5. **MINIMUM REQUIREMENTS - THE EROSION AND SEDIMENTATION CONTROL SYSTEMS DEPICTED ON THESE DRAWINGS ARE INTENDED TO BE MINIMUM REQUIREMENTS TO MEET ANTICIPATED SITE CONDITIONS. AS CONSTRUCTION PROGRESSES AND UNEXPECTED OR SEASONAL CONDITIONS DICTATE, THE CONTRACTOR SHOULD ANTICIPATE THAT MORE EROSION AND SEDIMENTATION CONTROL PERMITS WILL BE NECESSARY TO ENSURE COMPLETE SILTATION CONTROL ON THE SITE. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR ALL MEANS AND METHODS AND SEQUENCING OF TESC MEASURES AND ENSURING WATER QUALITY REQUIREMENTS ARE MET.**
6. **APPROVALS - APPROVAL OF THIS TEMPORARY EROSION AND SEDIMENT CONTROL (TESC) 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.), BUT IS AN APPROVAL OF THE TEMPORARY EROSION AND SEDIMENTATION CONTROL PLANS ONLY. THE CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS FOR STORMWATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITY, INCLUDING OBTAINING THE APPROPRIATE PERMITS AND APPROVALS.**
7. **CLEARING LIMITS / LIMITS OF WORK - THE BOUNDARIES OF THE CLEARING LIMITS SHOWN ON THIS PLAN SHALL BE CLEARLY FLAGGED BY A CONTINUOUS LENGTH OF ORANGE PROTECTION FENCING PRIOR TO CONSTRUCTION. DURING CONSTRUCTION, NO DISTURBANCE BEYOND THE CLEARING LIMITS SHALL BE PERMITTED. THE CLEARING LIMITS SHALL BE MAINTAINED BY THE CONTRACTOR / TESC SUPERVISOR UNTIL ALL CONSTRUCTION IS COMPLETED AND APPROVED.**

10. **DUST CONTROL** - CONTROL FUGITIVE DUST FROM CONSTRUCTION ACTIVITY IN ACCORDANCE WITH THE STATE AND/OR LOCAL AIR QUALITY CONTROL AUTHORITIES WITH JURISDICTION OVER THE PROJECT AREA. DO NOT USE WATER WHEN IT MAY DAMAGE ADJACENT CONSTRUCTION OR CREATE HAZARDOUS OR OBJECTIONABLE CONDITIONS, SUCH AS ICE, FLOODING, AND POLLUTION.
11. **ADJACENT PROPERTIES** - ALL PROPERTIES ADJACENT TO THE PROJECT SITE SHALL BE PROTECTED FROM SEDIMENT DEPOSITION AND RUNOFF.

12. **DEWATERING - DESIGN, PREPARE AND OBTAIN PERMITS FOR TEMPORARY DEWATERING, TREAT AND DISPOSAL OF WATER FROM TEMPORARY DEWATERING FACILITIES IN ACCORDANCE WITH AHJ.**
13. **STREET INSPECTION & CLEANING - INSPECT ALL ROADWAYS ADJACENT TO THE CONSTRUCTION ACCESS ROUTE AT THE END OF EACH DAY. IF IT IS EVIDENT THAT SEDIMENT HAS BEEN TRACKED OFF SITE AND/OR BEYOND THE ROADWAY APPROACH, IMMEDIATE CLEANING IS REQUIRED. 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. FAILURE TO COMPLY WITH THIS CONDITION WILL RESULT IN ALL WORK ON THE SITE BEING STOPPED. IF SEDIMENT REMOVAL IS NECESSARY PRIOR TO STREET WASHING, IT SHALL BE REMOVED BY SHOVELING OR PICKUP SWEEPING AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA. IF STREET WASHING IS REQUIRED TO CLEAN SEDIMENT TRACKED OFF SITE, ONCE SEDIMENT HAS BEEN REMOVED, STREET WASH WASTEWATER SHALL BE CONTROLLED BY PUMPING BACK ON-SITE OR OTHERWISE PREVENTED FROM DISCHARGING INTO SYSTEMS TRIBUTARY TO WATERS OF THE STATE.**
14. **CONCRETE BY-PRODUCTS - PROVIDE A DESIGNATED, POSTED CONCRETE WASHOUT AREA. THE CONCRETE WASHOUT SHALL NOT BE ALLOWED TO DRAIN OFF THE SITE OR INTO ANY EXISTING OR FUTURE STORM DRAINAGE FACILITIES. HARDENED CONCRETE WASHOUT SHALL BE BROKEN UP AND REMOVED FROM THE SITE. DO NOT FLUSH CONCRETE BY-PRODUCTS OR TRUCKS EITHER NEAR OR INTO NATURAL OR CONSTRUCTED STORM DRAINAGE SYSTEMS. IF EXPOSED AGGREGATE IS FLUSHED INTO THE STORM DRAINAGE SYSTEM, IT COULD MEAN RECLEANING THE ENTIRE DOWNSTREAM SYSTEM, OR POSSIBLY RELAYING THE STORM LINE.**
15. **SOURCE CONTROL OF CONSTRUCTION DEBRIS & CHEMICALS - APPLICABLE SOURCE CONTROL MEASURES PER THE CURRENT EDITION OF THE WASHINGTON DEPARTMENT OF ECOLOGY'S STORMWATER MANAGEMENT MANUAL FOR WESTERN WASHINGTON SHALL BE IMPLEMENTED DURING CONSTRUCTION. LITTER, CONSTRUCTION DEBRIS, AND CONSTRUCTION CHEMICALS THAT COULD BE EXPOSED TO STORMWATER MUST BE PREVENTED FROM BECOMING A POLLUTANT SOURCE IN STORMWATER DISCHARGES. COVER, CONTAIN AND PROTECT ALL CHEMICALS, LIQUID PRODUCTS, PETROLEUM PRODUCT, AND NON-INERT WASTES PRESENT ON SITE FROM VANDALISM (SEE CHAPTER 17-304 OF THE WASHINGTON ADMINISTRATIVE CODE (WAC) FOR THE DEFINITION OF INERT WASTE), USE SECONDARY CONTAINMENT FOR ON-SITE FUELING TANKS.**
16. **VEHICLE MAINTENANCE - CONDUCT MAINTENANCE AND REPAIR OF HEAVY EQUIPMENT AND VEHICLES INVOLVING OIL CHANGES, HYDRAULIC SYSTEM REPAIRS, SOLVENT/DE-GREASING OPERATIONS, FUEL TANK DRAIN-DOWN/REMOVAL, IN ADDITION TO OTHER ACTIVITIES THAT MAY RESULT IN DISCHARGE OR SPILLAGE OF POLLUTANTS TO THE GROUND OR INTO STORMWATER RUNOFF. BY USING SPILL COLLECTION DEVICES, SUCH AS DRIP PANS, CLEAN ALL CONTAMINATED SURFACES IMMEDIATELY FOLLOWING ANY DISCHARGE OR SPILL INCIDENT, AND DISPOSE OF CONTAMINATED MATERIALS PER LOCAL REGULATIONS. IF RAINFALL OCCURS ON EQUIPMENT OR VEHICLE WITH RECENT CONTAMINANT LEAK, PERFORM EMERGENCY REPAIRS ON SITE USING TEMPORARY PLASTIC BENEATH THE VEHICLE THAT COLLECTS ALL CONTAMINATED RUNOFF.**
17. **CHEMICAL CONTROL & APPLICATION - CONDUCT APPLICATION OF AGRICULTURAL CHEMICALS, INCLUDING FERTILIZERS AND PESTICIDES, IN SUCH A MANNER, AND AT APPLICATION RATES, THAT INHIBIT THE LOSS OF CHEMICALS INTO STORMWATER RUNOFF FACILITIES. AMEND MANUFACTURERS' RECOMMENDED APPLICATION RATES AND PROCEDURES TO MEET THIS REQUIREMENT, IF NECESSARY. INSPECT ON A REGULAR BASIS (AT A MINIMUM WEEKLY, AND DAILY DURING/AFTER A RUNOFF PRODUCING STORM EVENT) AND MAINTAIN ALL EROSION AND SEDIMENT CONTROL BMPs TO ENSURE SUCCESSFUL PERFORMANCE OF THE IN-SITU BMPs.**
18. **STABILIZATION OF DISTURBED AREAS - ALL EXPOSED AND UNWORKED SOILS SHALL BE STABILIZED WITH MULCHING, GRASS PLANTING, PLASTIC COVERING OR OTHER APPROVED EROSION CONTROL TREATMENT APPLICABLE TO THE EXPOSED SOIL CONDITIONS AND THE TIME OF YEAR IN QUESTION. FROM OCTOBER 15 TO APRIL 30, SOIL SHALL BE STABILIZED WITH MULCHING. MULCHING SHALL BE APPLIED AT A RATE OF 2 TO 3 TONS PER ACRE. MULCH SHALL REMAIN UNSTABILIZED FOR MORE THAN 7 DAYS. GRASS SEEDING ALONE WILL BE ACCEPTABLE ONLY DURING THE MONTHS OF APRIL THRU SEPTEMBER INCLUSIVE. SEEDING MAY PROCEED OUTSIDE THE SPECIFIED TIME PERIOD WHENEVER IT IS IN THE INTEREST OF THE CONTRACTOR, BUT MUST BE AUGMENTED WITH MULCHING, NETTING, OR OTHER TREATMENT AS APPROVED BY THE LOCAL JURISDICTION.**
19. **TEMPORARY STOCKPILES - TEMPORARY STOCKPILES SHALL BE STABILIZED WITH MULCHING, GRASS PLANTING, POLYETHYLENE SHEETING, OR OTHER APPROVED MEASURES. THE TOE OF ALL STOCKPILES SHALL HAVE A FILTER FABRIC LINED TO PROTECT ADJACENT PROPERTIES FROM SEDIMENTATION AND EROSION, AND THE WATER QUALITY OF THE RECEIVING DRAINAGE SYSTEM. STOCKPILE SIDE SLOPES SHALL NOT EXCEED 2H:1V SLOPE.**
20. **CONSTRUCTION ENTRANCE - THE CONTRACTOR SHALL CONSTRUCT A TEMPORARY CONSTRUCTION ENTRANCE IN CONFORMANCE WITH THE DETAIL INCLUDED IN THIS PLAN SET. MATERIAL SHALL BE QUARRY SPALLS, 4 INCHES TO 8 INCHES IN SIZE. THE ROCK PAD SHALL BE AT LEAST 12 INCHES THICK. THE CONSTRUCTION ENTRANCE SHALL BE MAINTAINED 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. CONSTRUCTION EQUIPMENT SHALL BE CLEANED OF ALL DIRT AND DEBRIS BEFORE ENTERING THE PUBLIC STREET.**
21. **SILT FABRIC FENCE - SILT FABRIC FENCES SHALL BE CONSTRUCTED ALONG THE DOWNSLOPE EDGES OF THE CONSTRUCTION SITE AND SHALL BE MAINTAINED BY THE CONTRACTOR UNTIL CONSTRUCTION IS COMPLETE AND THE SITE HAS STABILIZED. REGULAR INSPECTIONS SHALL BE MADE TO ENSURE THAT THE FENCE IS FUNCTIONING PROPERLY, AND ADDITIONAL INSPECTIONS SHALL BE MADE AFTER EACH LARGE RUNOFF EVENT. STORM AND DUE TO PROTECT ADJACENT PROPERTIES FROM SEDIMENTATION AND EROSION. WHEN IT REACHES APPROXIMATELY ONE QUARTER THE HEIGHT OF THE FENCE, THE WASHED GRAVEL BACKFILL SHALL BE REPLACED AND THE FILTER FABRIC CLEANED IF IT IS RENDERED NONFUNCTIONAL BY EXCESSIVE SILT ACCUMULATION. POSTS SHALL BE SPACED A MAXIMUM OF 6 FEET APART, AND DRIVEN SECURELY INTO THE GROUND A MINIMUM OF 30 INCHES, WHERE POSSIBLE. FILTER FABRIC JOINTS SHALL BE MADE ONLY AT A SUPPORT POST, WITH A 6 INCH MINIMUM OVERLAP, WITH BOTH ENDS SECURELY FASTENED TO THE POST.**
22. **STORM DRAIN INLET PROTECTION - ANY CATCH BASINS, INLETS, OR TRENCH DRAINS COLLECTING RUNOFF FROM THE SITE, WHETHER THEY ARE ON OR OFF THE SITE, SHALL HAVE STORM DRAIN INLET PROTECTION PER THE CATCH BASIN INSERT DETAIL SHOWN ON THIS PLAN SET. INSERTS SHALL BE MAINTAINED BY THE CONTRACTOR UNTIL SUCH TIME THAT ALL CONSTRUCTION IS APPROVED AND THE SITE HAS BEEN STABILIZED.**

1. **CLEARING, GRUBBING & DEMOLITION** - ALL CLEARING, GRUBBING AND DEMOLITION SHALL BE PERFORMED IN CONFORMANCE TO THE REQUIREMENTS OF THE APPLICABLE SECTIONS OF THE STANDARD SPECIFICATIONS AND THE CURRENT EDITION OF THE UNIFORM BUILDING CODE. THE STRIPPED DEBRIS SHALL NOT BE MIXED WITH MATERIALS TO BE USED AS STRUCTURAL FILL. CONDUCT DEMOLITION ACTIVITIES AND DEBRIS REMOVAL OPERATIONS TO ENSURE MINIMUM INTERFERENCE WITH ROADS, WALKWAYS, AND OTHER ADJACENT FACILITIES.
2. **HAZARDOUS MATERIALS** - IF MATERIALS SUSPECTED OF CONTAINING HAZARDOUS MATERIALS ARE ENCOUNTERED, DO NOT DISTURB; IMMEDIATELY NOTIFY THE ARCHITECT/ENGINEER AND OWNER.
3. **EXISTING VEGETATION** - REMOVE TREES, SHRUBS, GRASS, AND OTHER VEGETATION TO PERMIT INSTALLATION OF NEW CONSTRUCTION. REFER TO LANDSCAPE PLANS FOR TREE PROTECTION AND TREE REMOVAL PROCEDURES TO PRESERVE HEALTH OF ADJACENT TREES.
4. **DISPOSAL** - REMOVE DEMOLITION WASTE MATERIALS AND DEBRIS FROM PROJECT SITE AND LEGALLY DISPOSE OF THEM IN AN EPA-APPROVED LANDFILL ACCEPTABLE TO AUTHORITIES HAVING JURISDICTION.
5. **DEMOLITION & DISPOSAL** - THE REMOVAL AND DISPOSAL OF ALL FOUNDATIONS, STRUCTURES, PIPING, FENCES, AND OTHER OBSTRUCTIONS SHALL BE DONE IN ACCORDANCE WITH SECTION 2-02 OF THE APWA/WSOT STANDARD SPECIFICATIONS.
6. **PROTECTION OF PROPERTY** - THE CONTRACTOR SHALL PROTECT FROM DAMAGE OR DESTRUCTION PRIVATE AND PUBLIC PROPERTY ON OR IN THE VICINITY OF THE WORK THAT IS NOT SCHEDULED FOR REPAIR, REPLACEMENT OR REMOVAL AND SHALL ENSURE THAT INTERFERENCE WITH THE USE OF SUCH PROPERTY IS MINIMIZED.
7. **REMOVAL OF STRUCTURES & OBSTRUCTIONS** - THE REMOVAL AND DISPOSAL OF ALL BUILDINGS, FOUNDATIONS, STRUCTURES, FENCES, AND OTHER OBSTRUCTIONS SHALL BE DONE IN ACCORDANCE WITH SECTION 2-02 OF THE APWA/WSOT STANDARD SPECIFICATIONS. REFER TO THE ARCHITECT'S PLANS & SPECIFICATIONS PRIOR TO ANY DEMOLITION WORK FOR DEMOLITION & DISPOSAL DETAILS.
8. **EXISTING UTILITIES** - THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE APPROPRIATE UTILITY COMPANIES FOR SCHEDULING, DISCONNECTING, AND CAPPING OF THE EXISTING UTILITIES. EXISTING UTILITY WORK SHALL BE IN CONFORMANCE WITH SECTION 2-02 OF THE STANDARD SPECIFICATIONS. ALL CAPPED UTILITIES SHALL BE CLEARLY MARKED WITH AN ABOVE GRADE MARKER.

1. STANDARD PLANS AND SPECIFICATIONS - ALL GRADING AND PAVING MATERIALS AND WORKSMANSHIP SHALL CONFORM TO THE MOST CURRENT VERSION OF THE STANDARD PLANS AND STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION, PREPARED JOINTLY BY THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION AND THE AMERICAN PUBLIC WORKS ASSOCIATION, WASHINGTON STATE CHAPTER, EXCEPT AS MODIFIED OR SUPERSEDED BY THE LOCAL JURISDICTION.
2. GRADING - FINAL SITE GRADING MUST DIRECT DRAINAGE AWAY FROM ALL BUILDING STRUCTURES AT A MINIMUM OF TWO (2) PERCENT SLOPE. PER THE UNIFORM BUILDING CODE, ANY GRADING WITHIN CRITICAL ROOF ZONE SHALL BE UNDER THE DIRECTION OF LANDSCAPE ARCHITECT.
3. MINIMUM SLOPE - ALL DRIVE AREAS SHALL HAVE POSITIVE DRAINAGE TO THE COLLECTION/CONVEYANCE SYSTEM AT 1% MINIMUM SLOPE FOR ASPHALT, 0.5% MINIMUM SLOPE FOR CONCRETE. PLAN DETAILS SHALL NOT SUPERSEDE THIS REQUIREMENT.
4. EXCAVATION & BACKFILL - SAFE EXCAVATION, BACKFILL & BORROWING ACTIVITIES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE IN CONFORMANCE WITH THE REQUIREMENTS OF THE APPLICABLE SECTIONS OF THE WSDOT/APWA STANDARD SPECIFICATIONS AND TO REGULATIONS ESTABLISHED BY PERTINENT STATE AND FEDERAL OCCUPATIONAL SAFETY AND HEALTH AGENCIES.
5. COMPACTION - SUBGRADES SHALL BE PREPARED IN CONFORMANCE WITH DIVISION 2-06 OF THE WSDOT/APWA STANDARD SPECIFICATIONS. STRUCTURAL FILL SHALL BE PLACED IN THIN HORIZONTAL LIFTS NOT EXCEEDING TWELVE (12) INCHES IN LOOSE THICKNESS. EACH LIFT MUST BE COMPACTED TO AT LEAST 98 PERCENT OF LABORATORY MAXIMUM DRY DENSITY, DETERMINED IN ACCORDANCE WITH ASTM TEST DESIGNATION D-698 (STANDARD PROCTOR). THE MOISTURE CONTENT OF THE SOIL AT THE TIME OF COMPACTION SHOULD BE WITHIN TWO PERCENT OF ITS OPTIMUM, AS DETERMINED BY ASTM D-698. IN NON-STRUCTURAL AREAS OR FOR BACKFILL IN UTILITY TRENCHES BELOW A DEPTH OF FOUR FEET, THE DEGREE OF COMPACTION MAY BE REDUCED TO 90 PERCENT. HAND OPERATED COMPACTION EQUIPMENT SHOULD BE USED WITHIN FIVE (5) FEET OF ALL STRUCTURES. REFER TO THE GEOTECHNICAL REPORT BY GEOTECH CONSULTANTS, INC. FOR MORE DETAILED INFORMATION.
6. STRUCTURAL FILL - SITE SOILS ARE NOT RECOMMENDED FOR STRUCTURAL FILL UNLESS IT IS INSPECTED AND APPROVED BY THE GEOTECHNICAL ENGINEER. ALL STRUCTURAL FILL SHALL BE FREE OF ORGANIC MATERIAL, DEBRIS, AND OTHER DELETERIOUS MATERIALS. STRUCTURAL FILL SHALL CONSIST OF FREE-DRAINING IMPORTED PIT RUN SAND AND GRAVEL, OR AN EQUIVALENT APPROVED MATERIAL. REFER TO THE SOILS REPORT FOR FURTHER SPECIFICATIONS.
7. CUT & FILL SLOPES - NO FINAL CUT OR FILL SLOPE SHALL EXCEED SLOPES OF TWO (2) HORIZONTAL TO ONE (1) VERTICAL WITHOUT STABILIZATION BY AN ENGINEERED EARTH RETAINING STRUCTURE.
8. MATCHING EXISTING PAVEMENTS & STRUCTURES - THE CONTRACTOR SHALL VERIFY THE LOCATIONS, WIDTHS, THICKNESSES, AND ELEVATIONS OF ALL EXISTING PAVEMENTS AND STRUCTURES THAT ARE TO INTERFACE WITH NEW WORK. PROVIDE ALL TRIMMING, CUTTING, SAW CUTTING, GRADING, LEVELING, SLOPING, COATING, AND OTHER WORK INCLUDING MATERIALS AS NECESSARY TO CAUSE THE INTERFACE WITH EXISTING WORKS TO BE PROPER, ACCEPTABLE TO THE ENGINEER AND THE LOCAL JURISDICTION, COMPLETE IN PLACE AND READY TO USE. CONTRACTOR SHALL MEET AND MATCH EXISTING ELEVATIONS OF STREET, RIGHT-OF-WAY AND PROPERTY LINES AND AT LIMITS OF GRADING WORK.
9. RETAINING WALL - THE RETAINING WALL SHALL BE A GABION ROCK WALL AS DESIGNED BY THE STRUCTURAL ENGINEER.
10. PERMANENT STABILIZATION - THE FINAL SITE GRADES WILL BE STABILIZED WITH JUTE MATTING AND VEGETATION OR OTHER APPROVED BMP METHODS PROVIDED BY THE KING COUNTY STORM WATER DESIGN MANUAL AND/OR DEPARTMENT OF ECOLOGY SURFACE WATER DESIGN MANUAL FOR WESTERN WASHINGTON.

	- ASPHALTIC CONCRETE
	- AREA DRAIN
PH	- ASPHALT
OG	- BUILDING
	- BENCH MARK
IC	- BOTTOM OF CURB
ME	- BOTTOM OF EXCAVATION
	- BOTTOM
	- CATCH BASIN
G	- CURB AND GUTTER
	- CENTERLINE, CHAIN LINK
	- CLEANOUT
NC	- CONCRETE
	- CONCRETE WALK
O	- DESIGN BY OTHERS
	- DROP CONNECTION
MO	- DOWNSPOUT
	- DUCTILE IRON
M	- DOMESTIC
	- DOWNSPOUT
RY	- DRIVEWAY
	- EAST
	- ELECTRICAL CONDUIT
ELEV	- ELEVATION

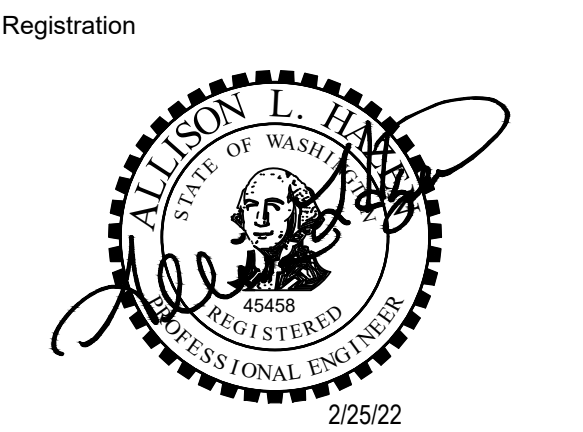
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Key Plan

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UTILITY NOTES

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UTILITY NOTES

- EXISTING UTILITY LOCATIONS - EXISTING UTILITY AND OTHER SUBSURFACE INFORMATION SHOWN ON THESE DRAWINGS HAS BEEN COMPILED FROM THE BEST INFORMATION AVAILABLE. THIS INFORMATION, HOWEVER, IS NOT GUARANTEED TO BE ACCURATE OR COMPLETE. CONTRACTOR TO LOCATE (INCLUDING ELEVATION) ALL EXISTING UNDERGROUND UTILITIES PRIOR TO EXCAVATING FOR CONSTRUCTION. FOR AID IN UTILITY LOCATION, CALL 1-800-424-5555, A MINIMUM OF 48 HOURS (2 WORKING DAYS) PRIOR TO BEGINNING OF CONSTRUCTION.
- CONNECTIONS TO THE EXISTING UTILITIES - CONNECT UTILITY PIPING TO EXISTING SYSTEM ACCORDING TO REQUIREMENTS OF THE AUTHORITIES HAVING JURISDICTION. ARRANGE WITH THE GOVERNING REGULATORY AGENCY OR UTILITY COMPANY FOR TAP OF SIZE AND IN LOCATION INDICATED. COORDINATE REQUIREMENTS AND SCHEDULING WITH AUTHORITIES HAVING JURISDICTION. THE OWNER SHALL ASSUME ALL RESPONSIBILITY AND COSTS CONNECTED THEREWITH TO PROTECT, MAINTAIN AND REPAIR, WHERE NECESSARY.
- UTILITY COVER & CLEARANCES - BURY PIPING WITH DEPTH OF COVER IN COMPLIANCE WITH REQUIREMENTS OF THE AUTHORITIES HAVING JURISDICTION AND MANUFACTURER'S REQUIREMENTS. THE CONTRACTOR SHALL COORDINATE WITH THE AUTHORITIES HAVING JURISDICTION FOR ALL REQUIREMENTS AND TO CONFIRM THAT AN ADEQUATE DEPTH OF COVER IS MAINTAINED OVER THE UTILITIES, INCLUDING CLEARANCES BETWEEN THE VARIOUS UTILITIES.
- FITTINGS AND JOINTS - FOR EACH TYPE OF PIPE, USE JOINING MATERIALS RECOMMENDED BY PIPING SYSTEM MANUFACTURER, UNLESS OTHERWISE INDICATED.
- FIELD CONTROL - FIELD QUALITY CONTROL SHALL COMPLY WITH THE AUTHORITIES HAVING JURISDICTION. INSPECT, TEST, DISINFECT, AND CLEAN UTILITY LINES IN ACCORDANCE WITH REQUIREMENTS OF THE AUTHORITIES HAVING JURISDICTION.
- PIPE TRENCH & BEDDING - ALL PIPE SHALL BE LAID ON A PROPERLY PREPARED FOUNDATION IN CONFORMANCE WITH THE REQUIREMENTS OF WSDOT/APWA SPECIFICATION 7-04.3(1). THIS SHALL INCLUDE NECESSARY LEVELING OF THE TRENCH BOTTOM OR THE TOP OF THE FOUNDATION MATERIAL AS WELL AS PLACEMENT AND COMPACTION OF REQUIRED BEDDING MATERIAL TO UNIFORM GRADE SO THAT THE ENTIRE LENGTH OF THE PIPE WILL BE SUPPORTED ON A UNIFORMLY DENSE, UNYIELDING BASE. IF THE NATIVE MATERIAL IN THE BOTTOM OF THE TRENCH MEETS THE REQUIREMENTS FOR "GRAVEL BACKFILL FOR PIPE BEDDING" THE FIRST LIFT OF PIPE BEDDING MAY BE OMITTED, PROVIDED THE MATERIAL IN THE BOTTOM OF THE TRENCH IS LOOSENEED, REGRADED AND COMPACTED TO FORM A DENSE UNYIELDING BASE.
- TRENCH BACKFILL - TRENCH BACKFILL SHALL BE COMPACTED TO 95 PERCENT MAXIMUM DENSITY, IN ACCORDANCE WITH SECTION 7-04.3(3) OF THE WSDOT/APWA STANDARD SPECIFICATIONS. BACKFILL OF TRENCHES SHALL BE PER SECTION 9-03.12(3) OF THE WSDOT/APWA STANDARD SPECIFICATIONS.
- TRENCH SURFACE RESTORATION - THE GROUND SURFACES OF ALL TRENCHES IN THE PUBLIC RIGHT-OF-WAY OR ON OFF-SITE PROPERTIES SHALL BE RESTORED TO THEIR ORIGINAL CONDITION IN CONFORMANCE WITH THE REQUIREMENTS OF THE LOCAL JURISDICTION.
- COMPACTION - ALL TRENCH BACKFILL AND ROADWAY EMBANKMENT SHALL BE COMPACTED TO 95% OF MODIFIED PROCTOR DRY MAXIMUM DENSITY IN ACCORDANCE WITH ASTM D1557, EXCEPT THE TOP 6 INCHES IN PAVED AREAS, WHICH SHALL BE 100%.
- UTILITY TAPE - UTILITY PIPE AND CONDUITS SHALL BE INSTALLED WITH CONTINUOUS WARNING TAPE DIRECTLY OVER PIPING AT DEPTHS IN COMPLIANCE WITH THE REQUIREMENTS OF THE AUTHORITIES HAVING JURISDICTION AND AT OUTSIDE EDGE OF UNDERGROUND STRUCTURES. USE DETECTABLE WARNING TAPE OVER NONFERROUS PIPING.

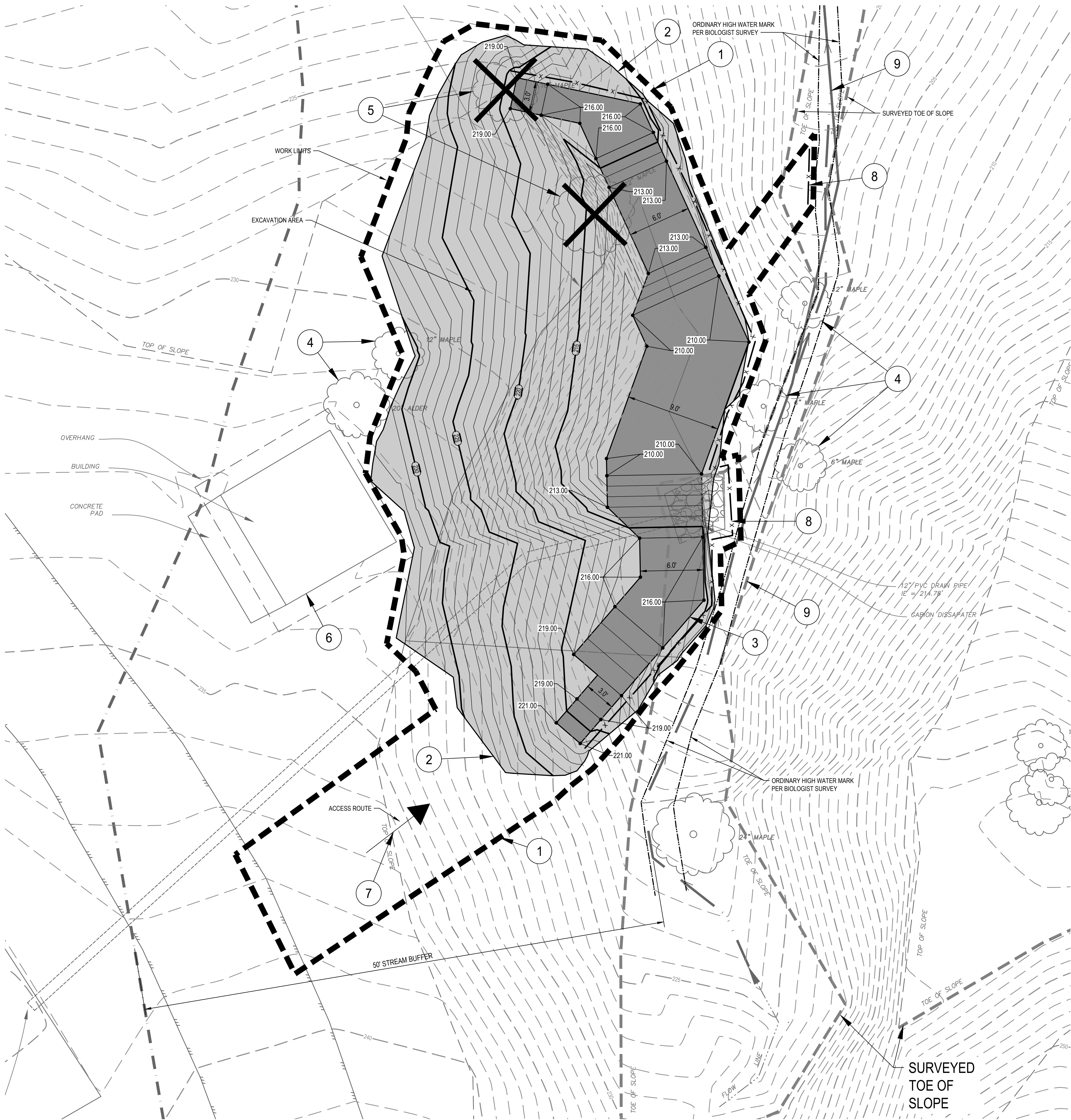
STORM WATER / DRAINAGE NOTES

- GENERAL STORM WATER - DRAWING PLANS AND DETAILS INDICATE GENERAL LOCATION AND ARRANGEMENT OF UNDERGROUND UTILITY AND STORM DRAIN PIPING. LOCATION AND ARRANGEMENT OF PIPING LAYOUT TAKE DESIGN CONSIDERATIONS INTO ACCOUNT. INSTALL PIPING AS INDICATED, TO EXTENT PRACTICAL. WHERE SPECIFIC INSTALLATION IS NOT INDICATED, FOLLOW PIPING MANUFACTURER'S WRITTEN INSTRUCTIONS AND REQUIREMENTS OF AUTHORITIES HAVING JURISDICTION. PIPE LENGTHS, MANHOLE DEPTHS, ETC., AS SHOWN ARE APPROXIMATE. CONTRACTOR IS RESPONSIBLE FOR SUPPLYING PROPER QUANTITIES OF MATERIALS. REFER TO ARCHITECTURAL AND MECHANICAL DOCUMENTS FOR ADDITIONAL INFORMATION REGARDING ROOF DRAINS AND CANOPY DRAINS.
- STORM DRAIN PIPE - STORM DRAIN PIPE SHALL BE HDPE SCH 11 PIPE. APPROVED ADAPTORS TO BE INSTALLED TO TRANSITION FROM THE EXISTING PIPE MATERIAL TO THE HDPE PIPE. STORM DRAIN PIPE TO BE INSTALLED IN DUCTILE IRON SLEEVES WHERE IT CROSSES THROUGH THE GABION WALL. STORM DRAIN PIPE SHALL BE INSTALLED IN CONFORMANCE WITH THE REQUIREMENTS OF DIVISION 7-04 OF THE WSDOT/APWA STANDARD SPECIFICATIONS.
- PIPE ANCHORS - PIPE ANCHORS SHALL CONSIST OF A PIPE STRAP AND REBAR POSTS, OR APPROVED EQUAL. POSTS TO BE INSTALLED A MINIMUM OF 3 FEET INTO EXISTING GRADE. PIPE STRAP TO BE SIZED TO ALLOW FOR EXPANSION AND CONTRACTION OF EXPOSED PORTION OF HDPE PIPE. CONTRACTOR TO PROVIDE SHOP DRAWINGS AND/OR SPECIFICATIONS OF MATERIALS TO BE USED PRIOR TO INSTALLATION.
- DOWNSPOUTS - ANY EXISTING DOWNSPOUTS SHALL BE TIGHT-LINED AND DIRECTED AWAY FROM THE STEEP SLOPE AREA.
- CLEANING & TESTING - CLEANING & TESTING OF THE STORM DRAIN SYSTEM SHALL BE PERFORMED IN CONFORMANCE WITH SECTIONS 7-04 AND 7-07 OF THE STANDARD SPECIFICATIONS, EXCEPT AS MODIFIED OR SUPERSEDED BY THE LOCAL JURISDICTION. THE STORM DRAIN SYSTEM SHALL BE CLEANED OF ALL DIRT, ROCK AND DEBRIS PRIOR TO FINAL ACCEPTANCE OF THE WORK.



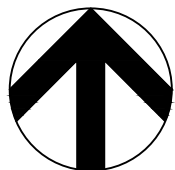
Know what's below.
Call before you dig.

C1.2



PLAN VIEW

Scale: 1" = 5'



GENERAL NOTES

1. THE EXISTING TOPOGRAPHIC AND UTILITY INFORMATION SHOWN IS BASED ON THE SURVEY TITLED "TOPOGRAPHIC SURVEY FOR MUKILTEO RIDGE HOA" PREPARED BY ORCA LAND SURVEYING, DATED 10/02/2018.
2. WETLAND, WETLAND BUFFER AND STREAM CENTER LINE BEFORE SLIDE TAKEN FROM THE WETLAND REPORT TITLED "WETLAND DELINEATION AND FISH & WILDLIFE HABITAT REPORT KAILASH HEIGHTS" PREPARED BY CURRAN ENVIRONMENTAL SERVICES, LLC, DATED DECEMBER 2008.

TESC NOTES

1. APPROXIMATE LIMITS
2. APPROXIMATE EXCAVATION LIMITS
3. WALL BASE BENCH
4. SAVE AND PROTECT EXISTING TREES
5. EXISTING TREES TO BE REMOVED
6. SAVE AND PROTECT EXISTING BUILDING AND BUILDING FOUNDATION
7. TEMPORARY ACCESS SLOPE PROTECT EXISTING SLOPE FROM ADDITIONAL DAMAGE
8. SILT FABRIC FENCE
9. SAVE AND PROTECT EXISTING STREAM, LOCATION APPROXIMATE

STEEP SLOPE
RESTORATION

PARCEL #28-0403-0030-3200

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Key Plan

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TEMPORARY
EROSION CONTROL
PLAN

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DETAILS

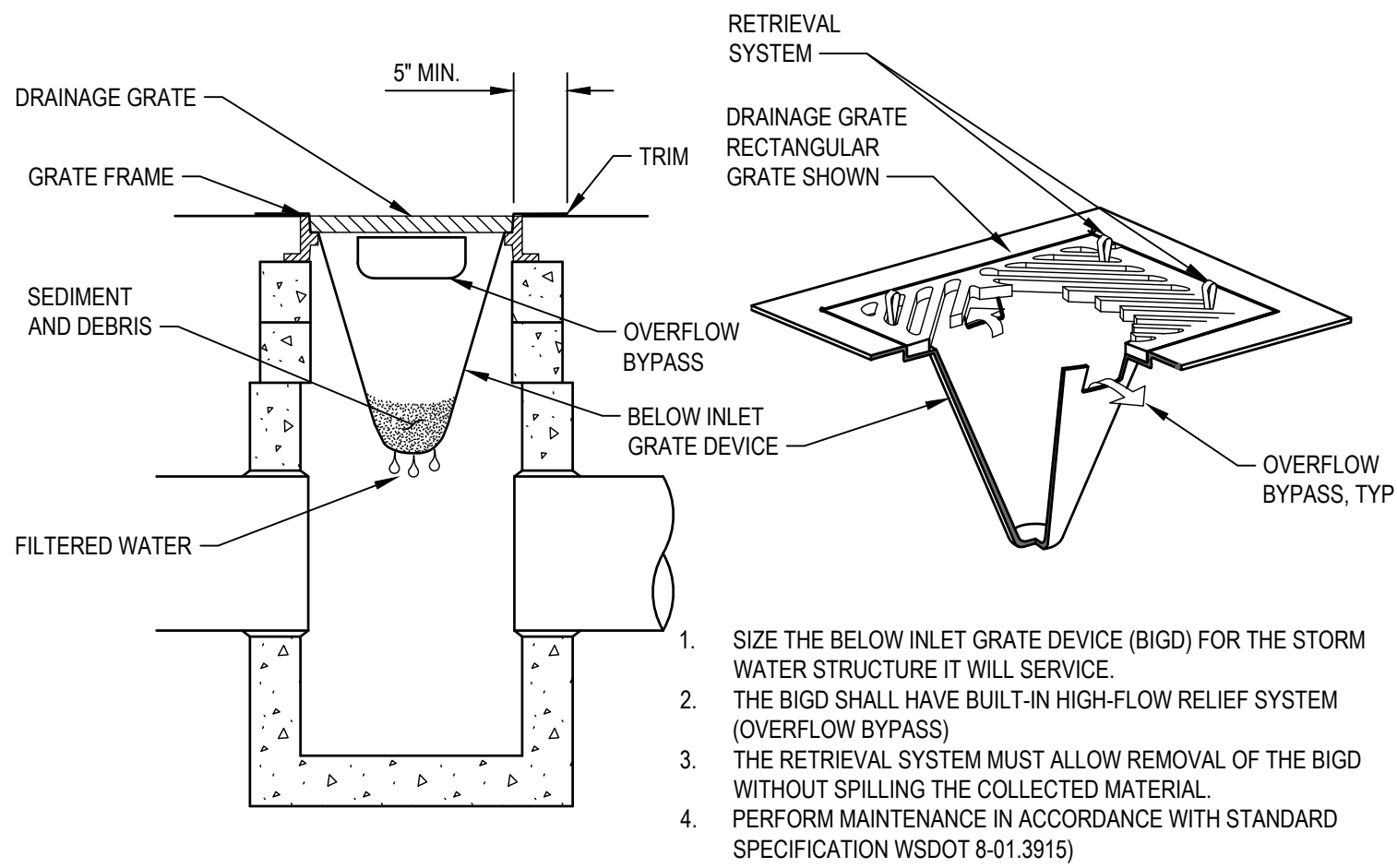
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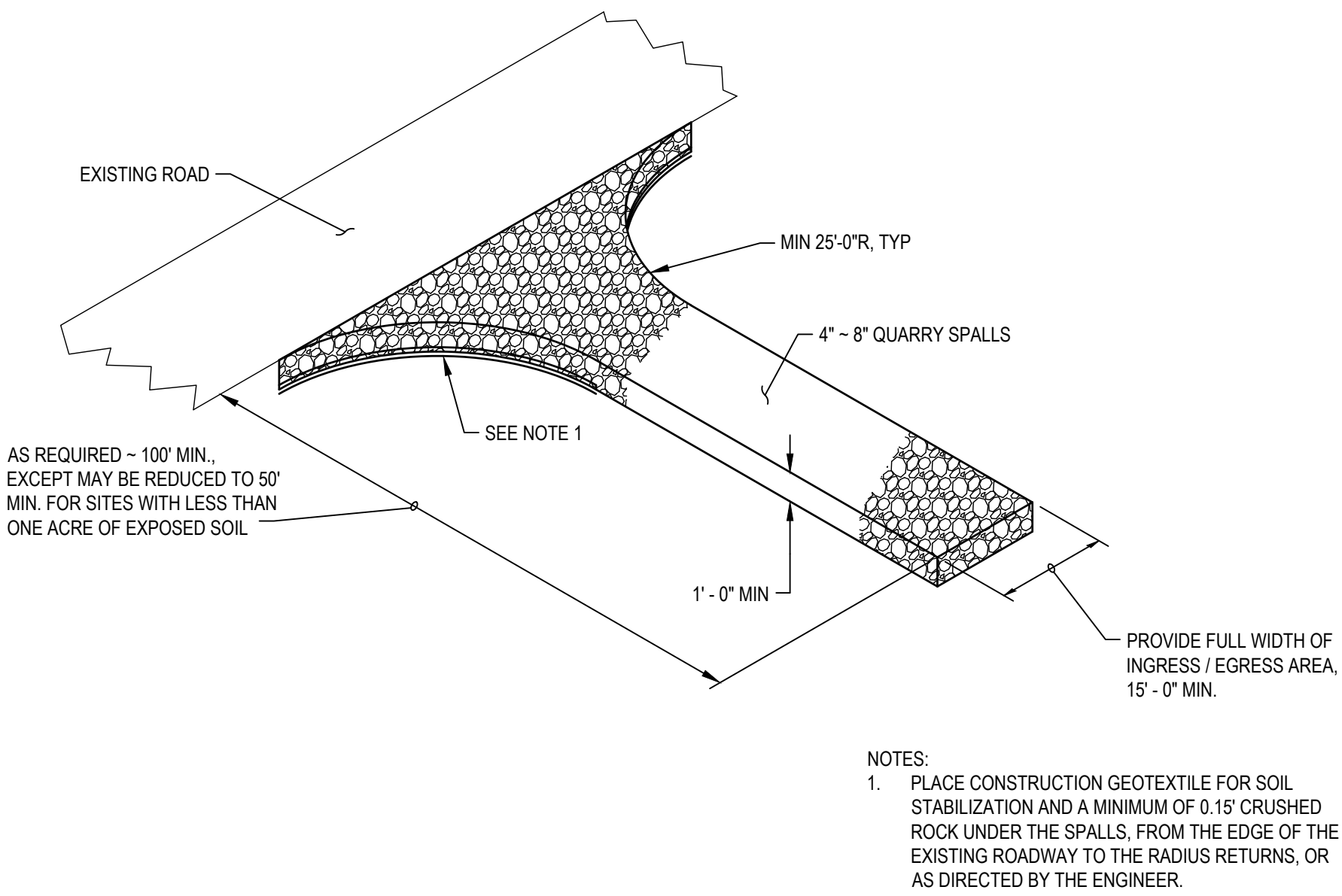


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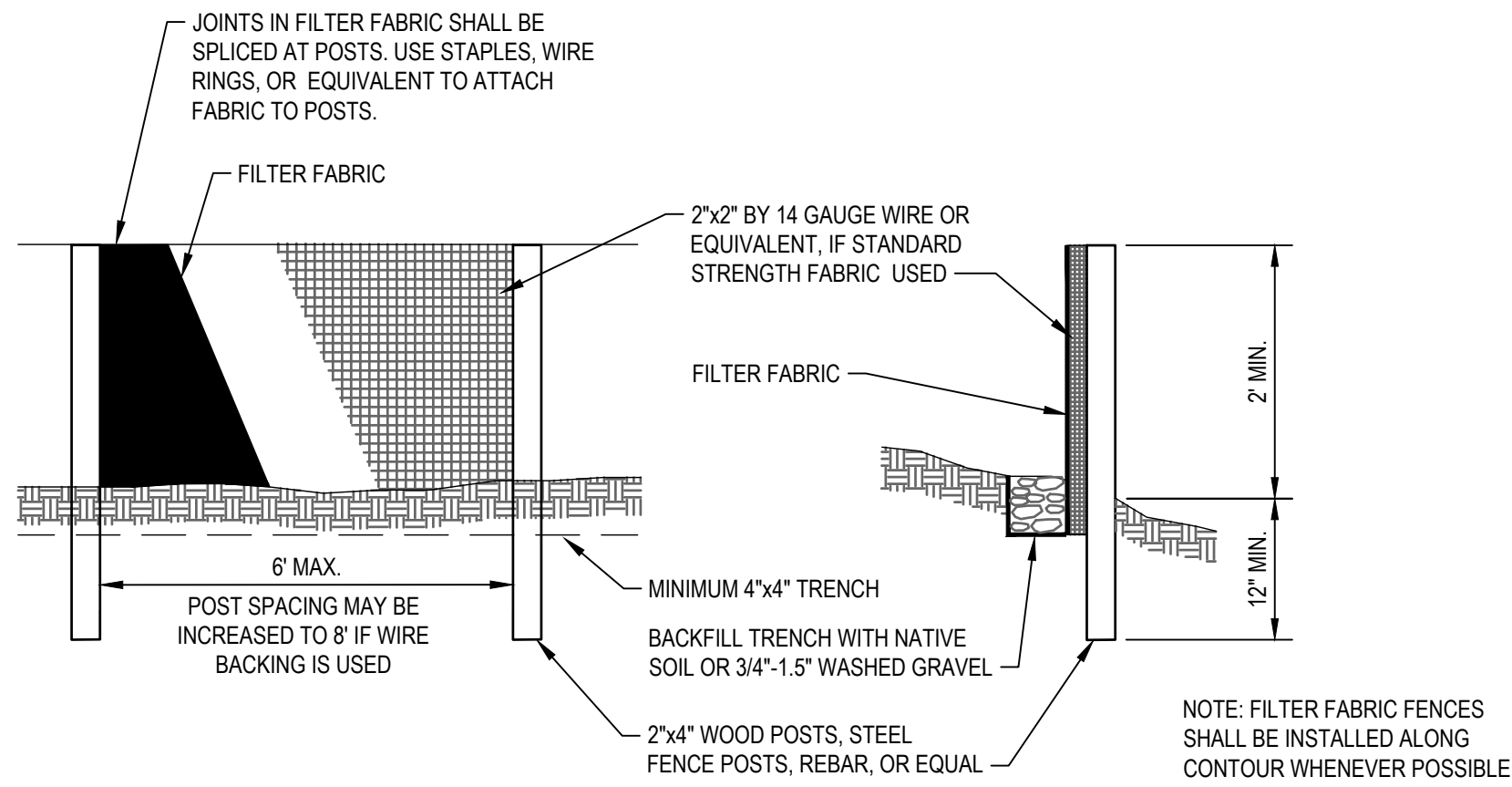
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1 CB INLET PROTECTION TYPE 1
C2.0 NTS



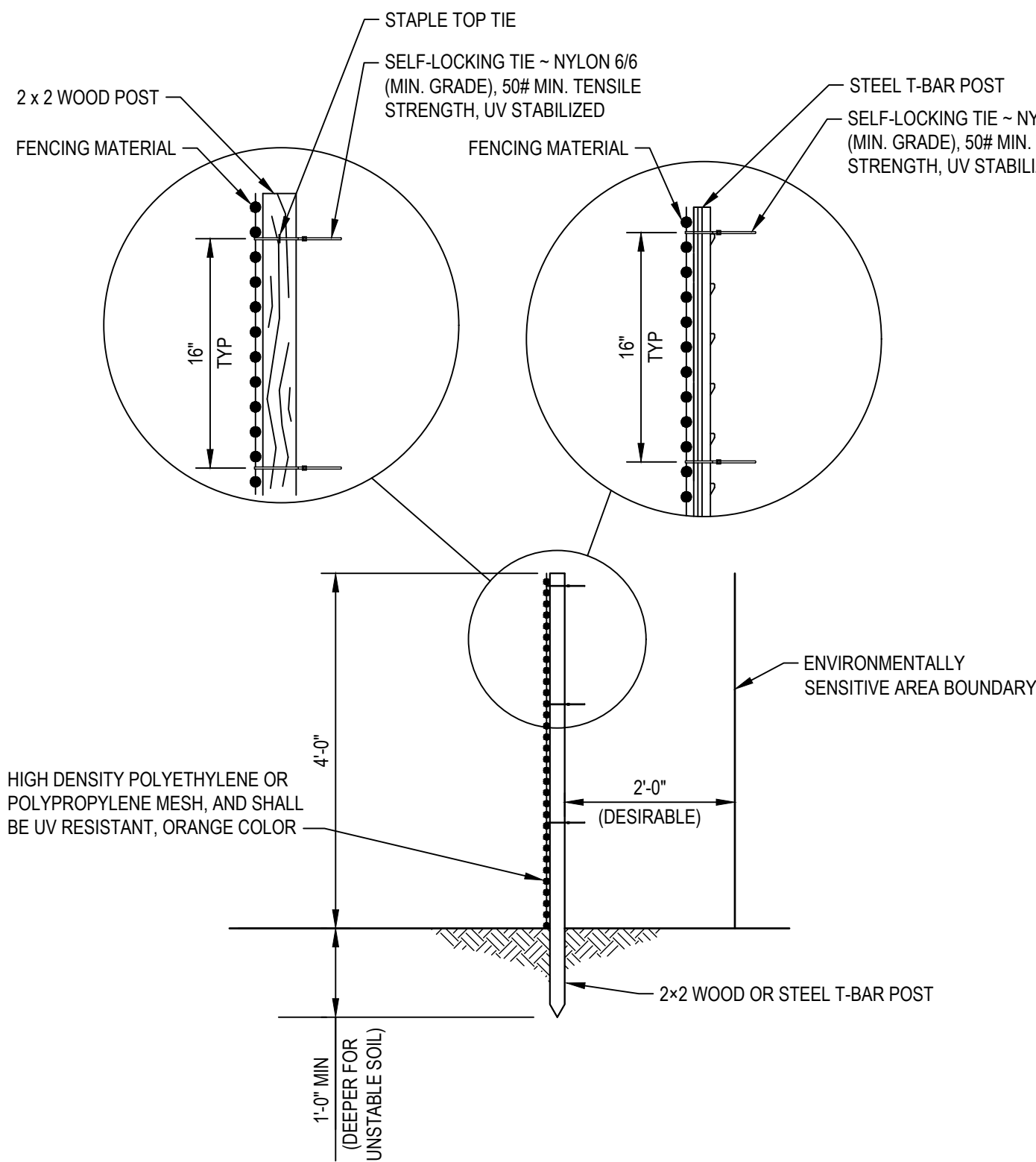
2 STABILIZED CONSTRUCTION ENTRANCE
C2.0 NTS



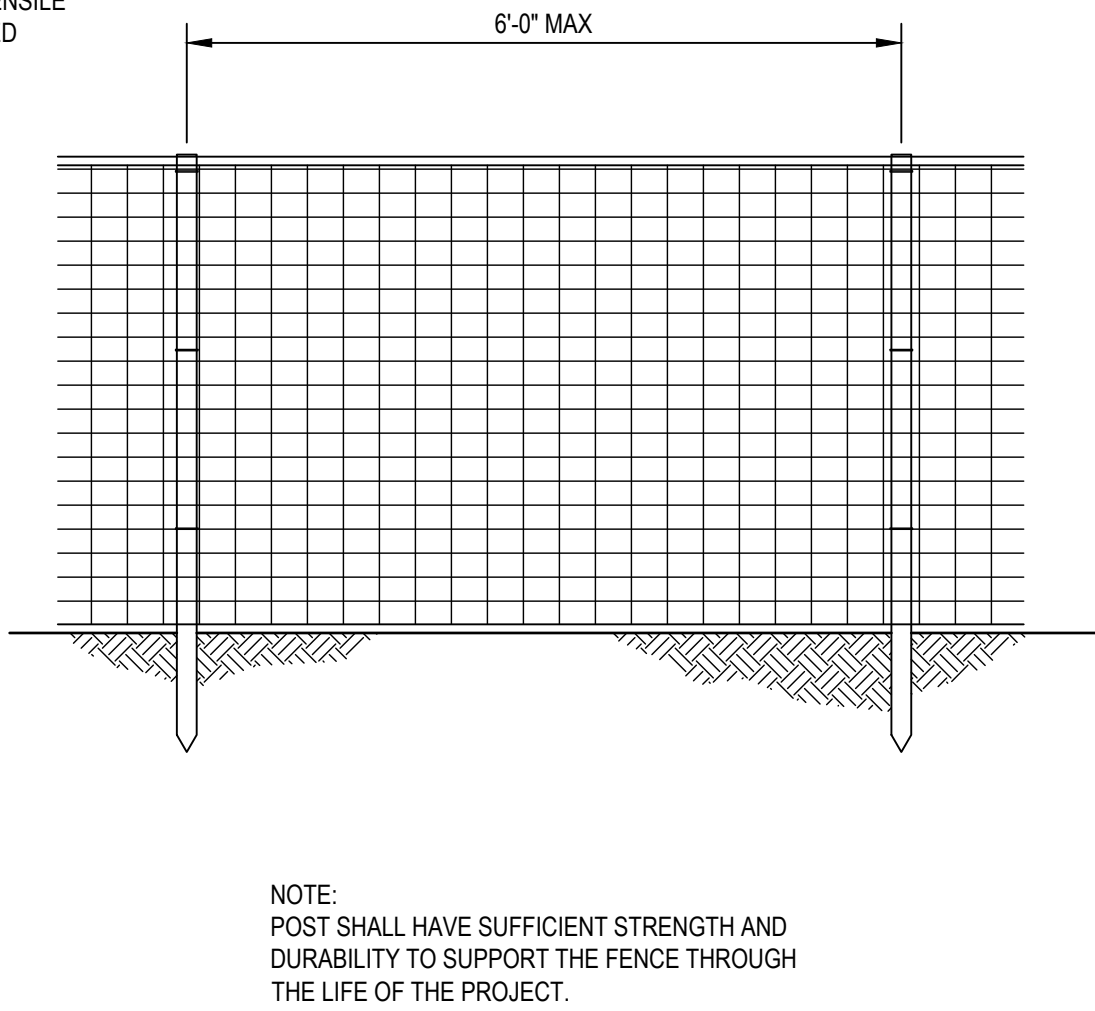
3 FILTER FABRIC FENCE
C2.0 NTS

NOTES

- ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE REQUIREMENTS OF THE DEPARTMENT OF ECOLOGY'S BMP C233. ANY DAMAGE SHALL BE REPAIRED IMMEDIATELY.
- IF CONCENTRATED FLOWS ARE EVIDENT UPHILL OF THE FENCE, THEY MUST BE INTERCEPTED AND CONVEYED TO THE SEDIMENT POND.
- IT IS IMPORTANT TO CHECK THE UPHILL SIDE OF THE FENCE FOR SIGNS OF THE FENCE CLOGGING AND ACTING AS A BARRIER TO FLOW AND THEN CAUSING CHANNELIZATION OF FLOWS PARALLEL TO THE FENCE. IF THIS OCCURS, REPLACE THE FENCE AND/OR REMOVE THE TRAPPED SEDIMENT.
- REMOVE THE SEDIMENT WHEN IT REACHES 6" HIGH.
- FILTER FABRIC/GEOTEXTILE STANDARDS:
POLYMERIC MESH AOS 0.60 MM MAXIMUM FOR SLIT FILM WOVENS (#30 SIEVE), 0.30 (ASTM D4751) MM MAXIMUM FOR ALL OTHER GEOTEXTILE TYPES (#50 SIEVE), 0.15 MM MINIMUM FOR ALL FABRIC TYPES (#100 SIEVE).
WATER PERMITTIVITY 0.02 SEC-1 MINIMUM (ASTM D4491)
GRAB TENSILE STRENGTH 180 LBS. MINIMUM FOR EXTRA STRENGTH FABRIC. (ASTM D4632) 100 LBS MINIMUM FOR STANDARD STRENGTH FABRIC.
30% MAXIMUM
ULTRAVIOLET RESISTANCE 70% MINIMUM (ASTM D4355)

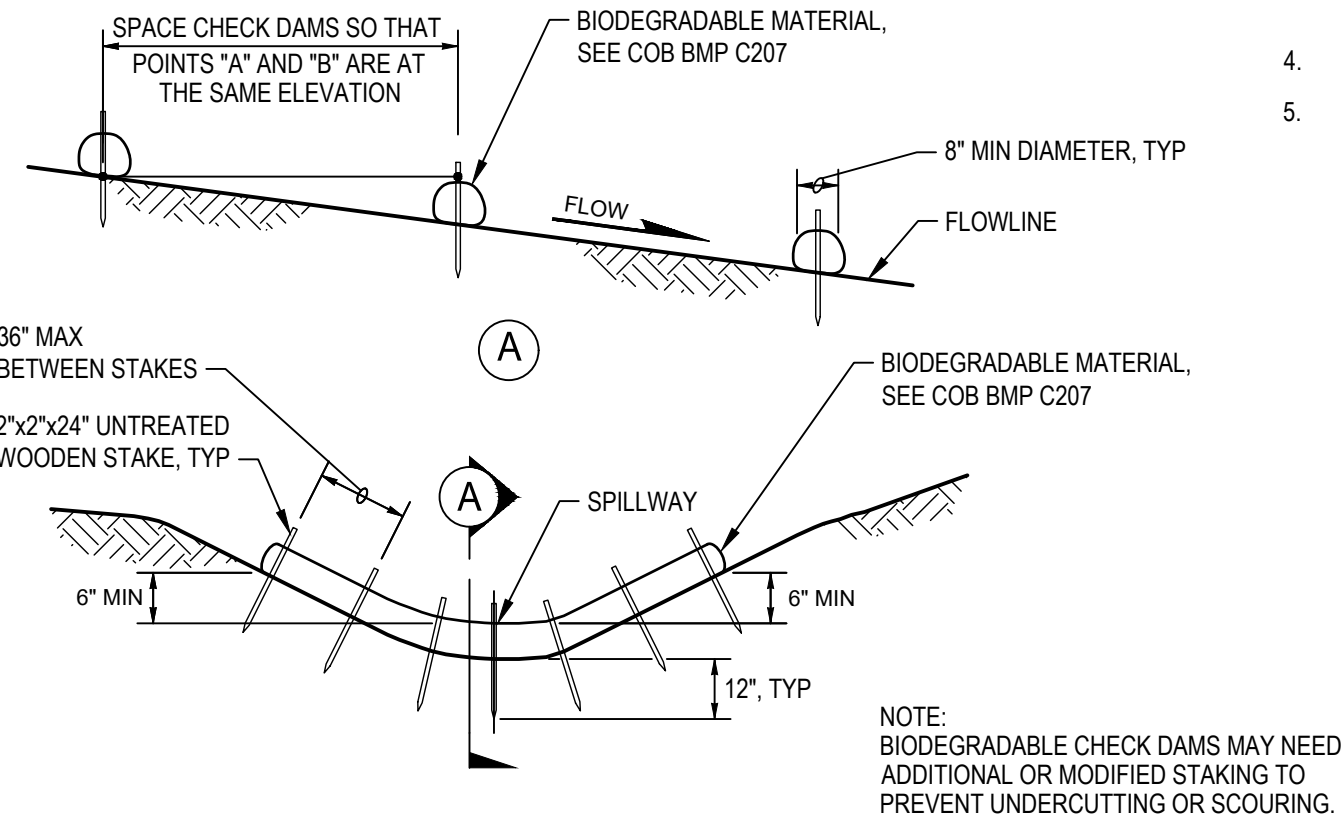


4 HIGH VISIBILITY FENCE
C2.0 NTS

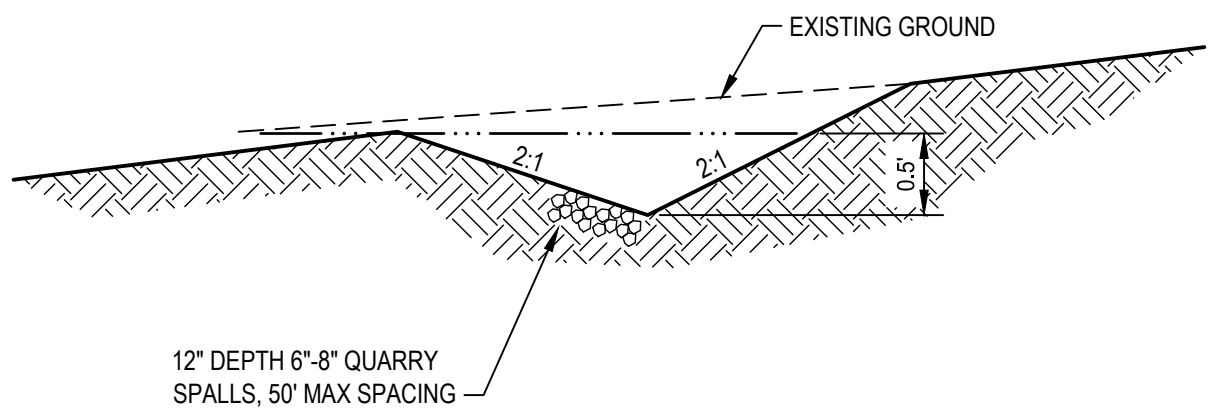


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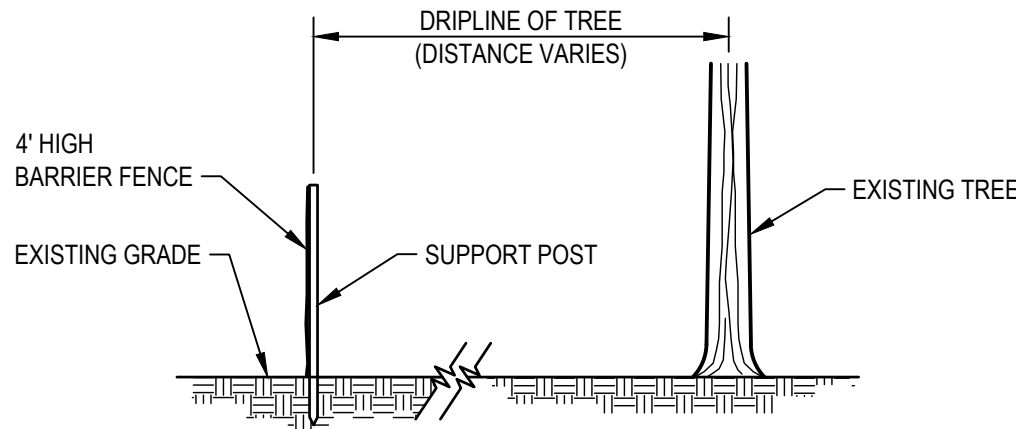
- CHECK DAMS SHALL MEET THE REQUIREMENTS OF COB BMP C207.
- IN CHANNELS, INSTALL THE SLOPED ENDS OF THE CHECK DAM A MINIMUM OF 8" HIGHER THAN THE SPILLWAY TO ENSURE WATER FLOWS OVER THE DAM AND NOT AROUND IT.
- PERFORM MAINTENANCE IN ACCORDANCE WITH COB BMP C207.
- REMOVE CHECK DAMS IN ACCORDANCE WITH COB BMP C207.



5 CHECK DAM
C2.0 NTS



6 TEMPORARY SWALE DETAIL
C2.0 NTS



NOTES

- NO CONSTRUCTION ACTIVITY ALLOWED WITHIN DRIPLINE OF TREES WITHOUT LANDSCAPE ARCHITECT APPROVAL AND OBSERVATION.
- BARRIER FENCING SHALL BE LOCATED AT THE DRIPLINES OF EXISTING TREES LOCATED WITHIN OR NEAR THE CONSTRUCTION LIMITS, WHICH ARE NOT PROTECTED BY FILTER FABRIC FENCING.

7 TREE PROTECTION
C2.0 NTS



PLAN VIEW
Scale: 1" = 5'

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- WETLAND, WETLAND BUFFER AND STREAM CENTER LINE BEFORE SLIDE TAKEN FROM THE WETLAND REPORT TITLED "WETLAND DELINEATION AND FISH & WILDLIFE HABITAT REPORT KAILASH HEIGHTS" PREPARED BY CURRAN ENVIRONMENTAL SERVICES, LLC, DATED DECEMBER 2008.

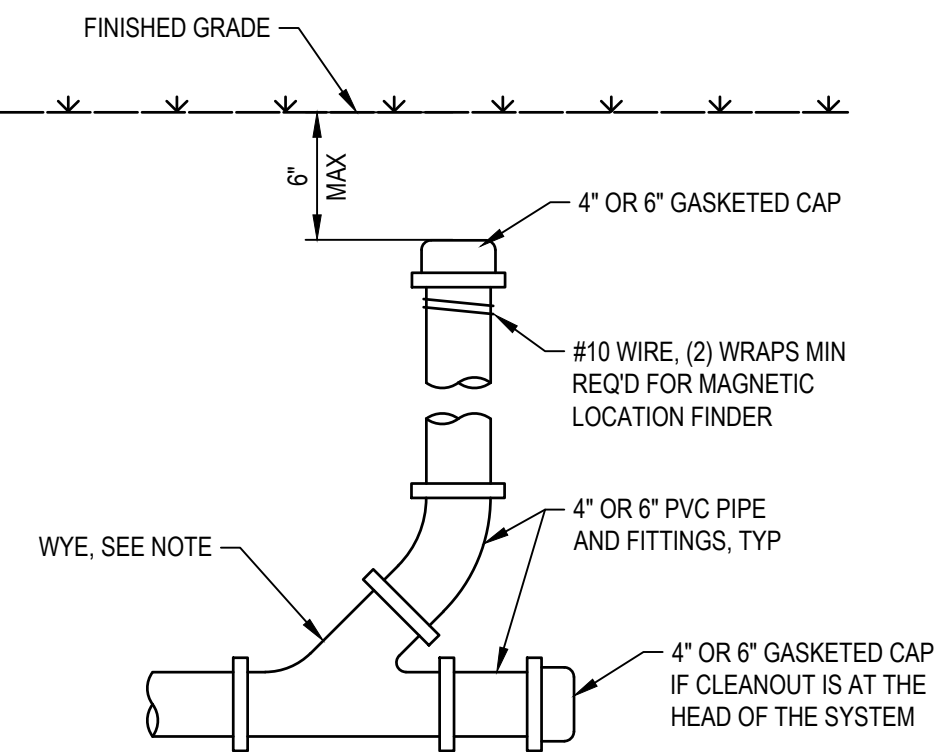
GRADING NOTES

- GABION WALL
- PROPOSED STORM OUTFALL
- INSTALL NEW PIPE ANCHORS, SEE SECTION D
- APPROXIMATE LIMITS OF FILL
- FILL AREA TO BE RESTORED WITH JUTE MATT & NATIVE PLANTINGS PER BIOLOGIST REQUIREMENTS
- SAVE AND PROTECT EXISTING TREES
- SAVE AND PROTECT EXISTING STREAM, LOCATION APPROXIMATE
- TRANSITION FROM PERF PIPE TO SOLID PIPE AND INSTALL FOOTING DRAIN COLLECTOR IN PIPE SLEEVE THROUGH WALL TO DISCHARGE TO ROCK PAD.

EARTHWORK ESTIMATES

CUT VOLUME	FILL VOLUME
200 CY BANK	380 CY BANK *

*(INCLUDES VOLUME OF GABION WALL ROCK MATERIAL)



NOTE

- A SANITARY TEE OR SWEEP MAY BE INSTALLED IN LIEU OF A WYE AS SHOWN. STRAIGHT TEES ARE NOT ACCEPTABLE.

1 BURIED SD CLEANOUT
C3.0 NTS

MUKILTEO RIDGE
HOMEOWNERS
ASSOCIATION
MUKILTEO, WASHINGTON

STEEP SLOPE
RESTORATION
PARCEL #28-0403-0030-3200

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Key Plan

Sheet Title

GRADING,
DRAINAGE &
MITIGATION PLAN

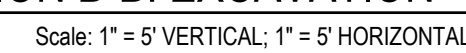
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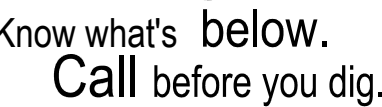
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CTIONS AA & BB

Sheet Number

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SECTIONS CC & DD

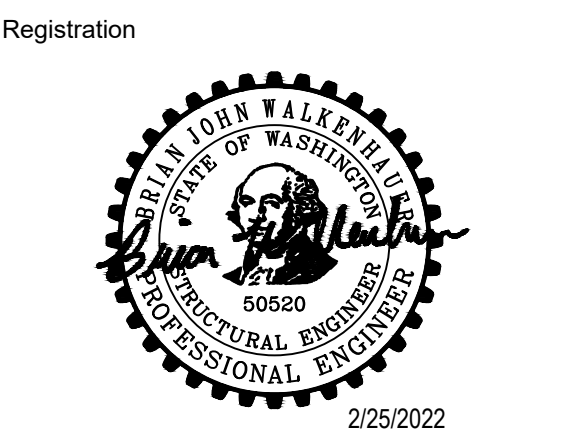
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WALL PROFILE

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