

EXISTING GROUND	—— 46 ——
EX GROUND ELEVATION	46.00
OVERLAND FLOW DIRECTION (BASED ON POST FILL SITE CONDITION)	←



STATE ROUTE 530 NE

REV.	DATE	DESCRIPTION	BY	CONSULTANT	CLIENT	SEAL:	SCALE:	DATE (YYYY.MM.DD)	ARLINGTON PROJECT NUMBER		
				MAINLAND ENGINEERING CONSULTANTS CORPORATION PRACTICE PERMIT NUMBER: 1003021 UNIT 206 8363 128TH STREET SURREY, B.C. V3W 4G1 TEL: (604) 543 8044 FAX: (604) 543 8104 EMAIL: CIVIL@MAINLANDENG.COM	BALBIR SINGH DEVELOPMENT #2127 STATE ROUTE 530, ARLINGTON, WA DWG. NAME EXISTING SITE CONDITION (POST FILLING)		1"=30'	2024/07/26			
								DESIGNED	RM	CONSULTANT PROJ. NO.	DRAWING NO.
								DRAWN	SR	WA-304	C1
								REVIEWED	AB	CITY FILE NUMBER	
1	2024/07/26	REVISED AS PER CITY COMMENTS	AK								
0	2023/12/15	ISSUED FOR REVIEW	AK								

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								DESIGNED	RM	CONSULTANT PROJ. NO.	DRAWING NO.
								DRAWN	SR	CITY FILE NUMBER	C2
1	2024/07/26	REVISED AS PER CITY COMMENTS	AK					REVIEWED	AB	REV. 1	
0	2023/12/15	ISSUED FOR REVIEW	AK								

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TESC NOTES:

- APPROVAL OF THE TEMPORARY EROSION/SEDIMENT CONTROL (TESC) PLAN DOES NOT CONSTITUTE AN APPROVAL OF PERMANENT ROAD OR STORM DRAINAGE DESIGN.
- A TESC PLAN MEETING THE DOE STORM WATER MANAGEMENT MANUAL ADOPTED BY THE CITY SHALL BE SUBMITTED TO THE CITY FOR APPROVAL PRIOR TO ANY WORK ON THE SITE. AN APPROVED COPY MUST BE MAINTAINED ON-SITE AND BE READILY AVAILABLE TO THE CITY INSPECTOR AT THEIR REQUEST.
- THE TESC BMP'S SHOWN ON THE PLAN MUST BE INSTALLED PRIOR TO ALL OTHER CLEARING AND GRADING ACTIVITIES, AND IN SUCH A MANNER AS TO ENSURE THAT SEDIMENT-LADEN WATER DOES NOT ENTER THE DRAINAGE SYSTEM, LEAVE THE SITE, OR VIOLATE APPLICABLE WATER QUALITY STANDARDS. MAINTENANCE, REPLACEMENT, AND UPGRADING OF THE TESC PLAN IS THE RESPONSIBILITY OF THE CONTRACTOR UNTIL ALL CONSTRUCTION IS COMPLETE AND APPROVED BY THE CITY.
- THE BOUNDARIES OF THE CLEARING LIMITS, SHOWN ON THE TESC PLAN, SHALL BE CLEARLY FENCED OR FLAGGED IN THE FIELD PRIOR TO STARTING CONSTRUCTION. NO DISTURBANCE BEYOND THE FENCED OR FLAGGED CLEARING LIMITS SHALL BE PERMITTED. THE FENCING AND/OR FLAGGING SHALL BE MAINTAINED BY THE CONTRACTOR FOR THE DURATION OF THE CONSTRUCTION PROJECT.
- THE TESC FACILITIES SHOWN ON THE PLANS ARE THE MINIMUM REQUIREMENTS FOR THE ANTICIPATED SITE CONSTRUCTION. DURING THE CONSTRUCTION PERIOD, THESE TESC FACILITIES SHALL BE UPGRADED AND ADDED TO AS NEEDED, FOR UNEXPECTED STORM EVENTS AND TO REFLECT CHANGED CONDITIONS, AS REQUIRED BY THE CITY.
- THE CONTRACTOR SHALL PROVIDE THE CITY A 24-HOUR EMERGENCY CONTACT PHONE NUMBER OF THE CONTRACTOR'S CERTIFIED EROSION CONTROL SUPERVISOR PRIOR TO STARTING CONSTRUCTION.
- THE TESC FACILITIES SHALL BE INSPECTED DAILY BY THE CONTRACTOR AND MAINTAINED AS NECESSARY TO ENSURE CONTINUED FUNCTION AND OPERATION.
- BETWEEN OCTOBER 1 AND APRIL 30, DISTURBED AREAS THAT ARE TO BE LEFT UNWORKED FOR MORE THAN TWO (2) DAYS SHALL BE IMMEDIATELY COVERED BY MULCH, SOD OR PLASTIC COVERING. BETWEEN MAY 1 AND SEPTEMBER 30, DISTURBED AREAS THAT ARE TO BE LEFT UNWORKED FOR MORE THAN SEVEN (7) DAYS SHALL BE IMMEDIATELY COVERED BY SEEDING OR OTHER APPROVED METHODS.
- SEDIMENT DEPOSITS SHALL BE REMOVED FROM ALL CATCH BASINS, PRE-TREATMENT/SEDIMENT POND, AND SEDIMENT TRAPS UPON REACHING A DEPTH OF 12 INCHES.
- ANY PERMANENT RETENTION/DETENTION FACILITY USED AS A TEMPORARY SETTLING BASIN SHALL BE MODIFIED WITH THE NECESSARY EROSION CONTROL MEASURES, SHALL PROVIDE ADEQUATE STORAGE CAPACITY, AND SHALL BE CLEANED OUT ENTIRELY ONCE THE SITE IS STABILIZED. IF THE PERMANENT FACILITY IS TO ULTIMATELY FUNCTION AS AN INFILTRATION SYSTEM, THE FACILITY SHALL NOT BE USED AS A TEMPORARY SETTLING BASIN.
- WHERE SEEDING FOR TEMPORARY EROSION CONTROL IS REQUIRED, FAST GERMINATING GRASSES SHALL BE APPLIED AT AN APPROXIMATE RATE OF 120 LBS PER ACRE.
- WHERE STRAW MULCH FOR TEMPORARY EROSION CONTROL IS REQUIRED, IT SHALL BE APPLIED AT A MINIMUM THICKNESS OF 3 INCHES, OR 3,000 POUNDS PER ACRE.
- SOIL STOCKPILES SHALL BE STABILIZED WITHIN 24 HOURS. WHEN ACTIVELY WORKING WITH THE SOIL STOCKPILE, STABILIZATION BY GROUND COVER BMP'S SHALL OCCUR AT THE END OF EACH WORK DAY.
- STABILIZED CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES MAY BE REQUIRED TO INSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.
- MAINTENANCE AND REPAIR OF TESC FACILITIES AND STRUCTURES SHALL BE CONDUCTED IMMEDIATELY UPON RECOGNITION OF A PROBLEM OR WHEN THE TESC MEASURES BECOME DAMAGED.
- UPON COMPLETION OF THE PROJECT, ALL BMP'S SHALL BE REMOVED FROM THE SITE AND RIGHT OF WAY. IF BMP'S ARE REQUIRED TO REMAIN IN PLACE FOR FURTHER PROTECTION, ARRANGEMENTS FOR REMOVAL SHALL BE MADE WITH THE CITY INSPECTOR.
- THE DUFF LAYER AND NATIVE TOPSOIL SHALL BE RETAINED IN AN UNDISTURBED STATE TO THE MAXIMUM EXTENT PRACTICABLE. ALL AREAS SUBJECT TO CLEARING AND GRADING THAT WILL NOT BE CONVEYED BY IMPERVIOUS SURFACE, INCORPORATED INTO A DRAINAGE FACILITY OR ENGINEERED AS STRUCTURAL FILL OR SLOPE SHALL, AT THE PROJECT COMPLETION, DEMONSTRATE THE REQUIREMENTS ESTABLISHED IN T5.13 OF THE 2014 SWMMWW, POST CONSTRUCTION SOIL QUALITY AND DEPTH.
- BMP PER DOE SWPP AND TESC CONTROLS TO PREVENT EROSION DURING AND AFTER CONSTRUCTION. A CERTIFIED EROSION AND SEDIMENT CONTROL LEAD IS REQUIRED TO MONITOR THE SITE

SPILL PREVENTION

- SPILL AND LEAKS WILL BE CLEANED UP UPON DISCOVERY USING DRY CLEANING METHODS (PLACEMENT OF ABSORBENT MATERIAL, SWEEPING, SHOVELING, BAGGING, PROPER DISPOSAL). SPILLS WILL NOT BE HOSED DOWN UNLESS THE WASH WATER IS CONTAINED, COLLECTED AND DISPOSED OF PROPERLY.
- USE OF PORTABLE REFUELING MAT

DUST CONTROL

PREVENT SOIL FROM BLOWING OFF SITE

- MISTING/WATERING
- MUST NOT CREATE RUNOFF

CITY OF ARLINGTON NOISE STANDARDS

NOISES RESULTING FROM ANY CONSTRUCTION OR DEVELOPMENT ACTIVITY OR THE OPERATION OF HEAVY EQUIPMENT FROM 7:00PM TO 7:00AM MONDAY THROUGH SATURDAY SHALL BE PROHIBITED. THE PROJECT WILL GENERATE SHORT TERM NOISE ASSOCIATED WITH CONSTRUCTION ACTIVITIES. CONSTRUCTION HOURS WILL CONFORM TO CITY REQUIREMENTS. NOISE FROM LIGHT VEHICLE TRAFFIC WILL BE GENERATED DURING BUSINESS HOURS AT PROJECT COMPLETION.

POTENTIAL POLLUTANTS

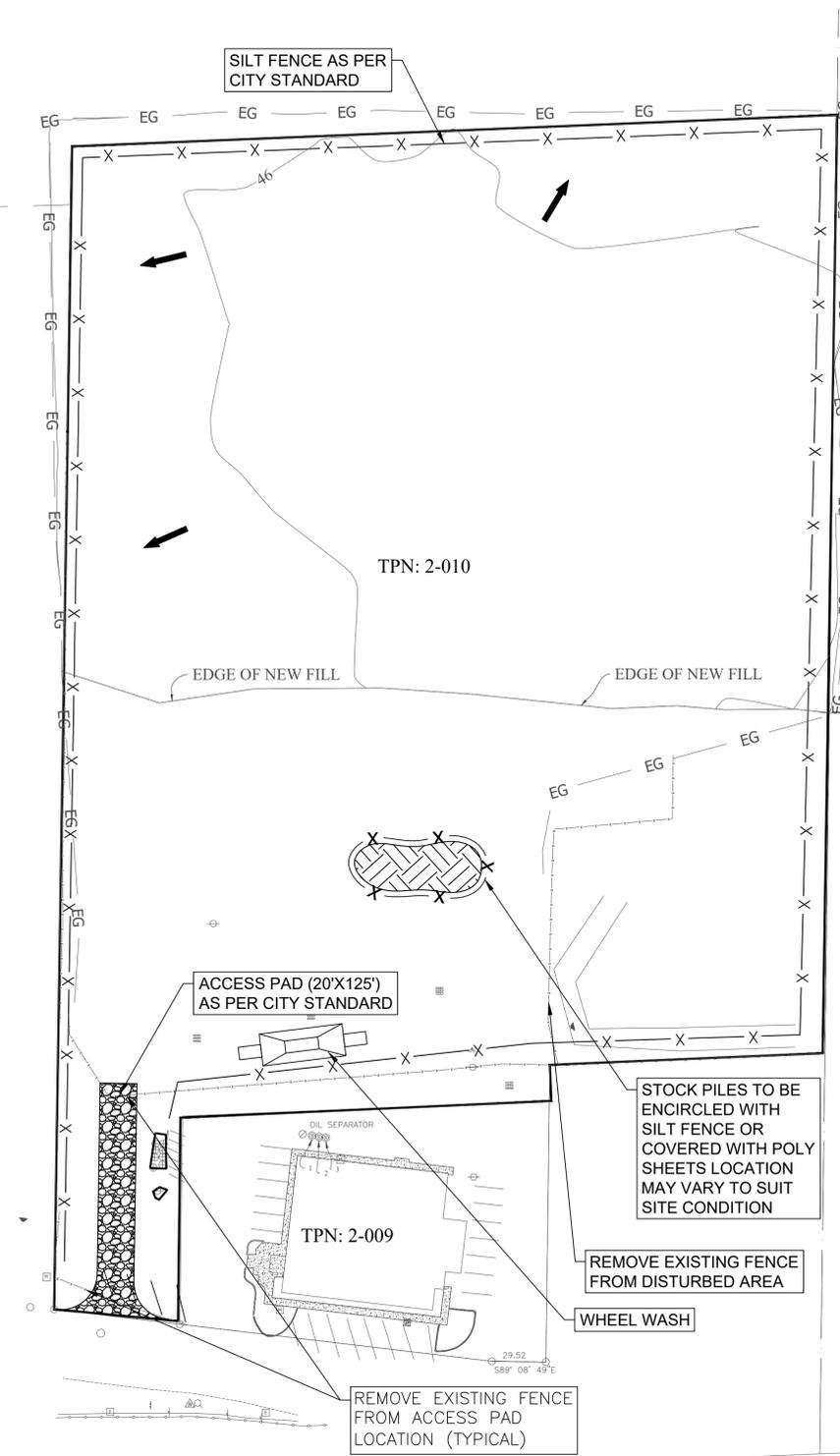
THERE ARE THREE TYPES OF POTENTIAL POLLUTANTS THAT THIS SWPPP IS INTENDED TO ADDRESS:

- HAZARDOUS CHEMICALS
- PETROLEUM PRODUCTS
- SEDIMENT

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

HAZARDOUS CHEMICALS

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



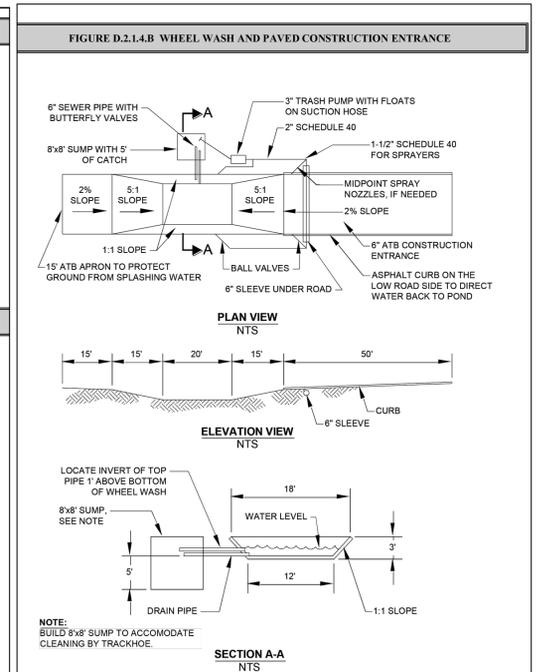
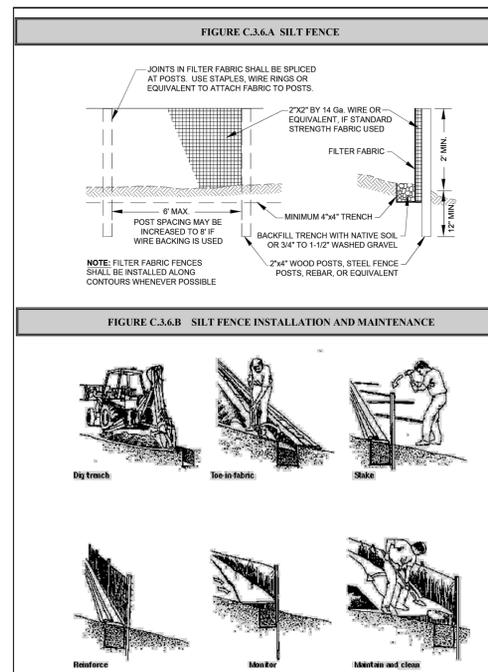
PETROLEUM PRODUCTS

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

SEDIMENTS

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

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



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					DWG. NAME		DRAWN	CITY FILE NUMBER	
					ESC PLAN		SR		
0	2024/07/26	REISSUED FOR REVIEW	AK				REVIEWED		REV. 0
0	2023/12/15	ISSUED FOR REVIEW	AK				AB		C4