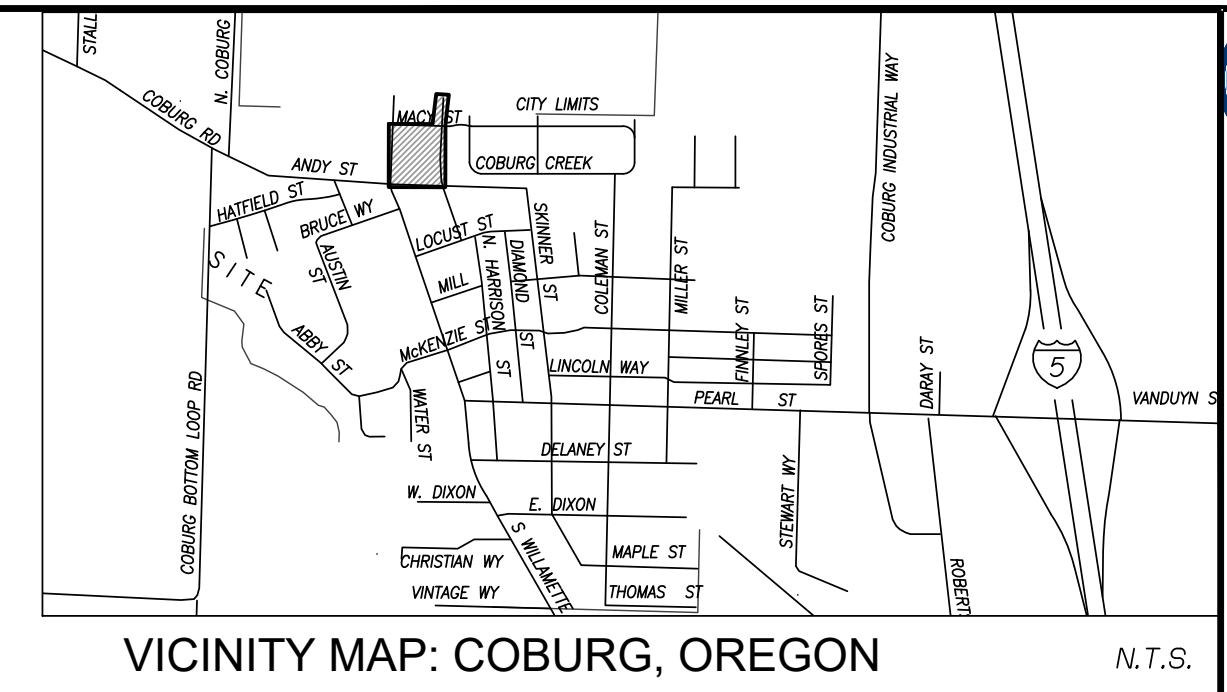


N. WILLAMETTE, E. MACY, & N HARRISON STREET RECONSTRUCTION PROJECT EROSION PREVENTION & SEDIMENT CONTROL PLAN 1200-C PERMIT COBURG, OREGON



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project title:

**N. WILLAMETTE, E. MACY, & N. HARRISON
RECONSTRUCTION PROJECT**
CITY OF COBURG
911 36 N. WILLAMETTE STREET
COBURG, OREGON

revisions:
DEO COMMENTS 4/19/24

date: APRIL 23, 2024
drawn by: ZZ
designer: JLL
project no: 21-0048.1

**EPSCP: COVER
& GENERAL
NOTES**

sheet:
EC000

BMP MATRIX FOR CONSTRUCTION PHASE

BMP	CLEARING/ DEMO	MASS GRADING/ SW FACILITIES CONSTRUCTION	VERTICAL CONSTRUCTION	FINAL STABILIZATION
BIOBAGS	X	X		X
BIOSWALES				
CHECK DAMS				
COMPOST BERM				
COMPOST BLANKETS				
COMPOST SOCKS	X	X		X
CONCRETE TRUCK WASHOUT	X	X		
CONSTRUCTION ENTRANCE	X	X		
DEWATERING (TREATMENT LOCATION, SCHEMATIC & SAMPLING PLAN REQUIRED)				
DRAINAGE SWALES				
EARTH DIKES (STABILIZED)				
ENERGY DISSIPATORS				
EROSION CONTROL BLANKETS AND MATS				
HYDROSEEDING				
INLET PROTECTION	X	X		X
MULCHES(SPECIFY TYPE)				
MYCORRHIZAE/BIOFERTILIZERS				X
NATURAL BUFFER ZONES				
ORANGE FENCING (PROTECTING SENSITIVE/PRESERVED AREAS)				
OUTLET PROTECTION				
PERMANENT SEEDING AND PLANTING				X
PIPE SLOPE DRAINS				
PLASTIC SHEETING	X	X		
PRESERVE EXISTING VEGETATION	X	X		X
SEDIMENT FENCE	X	X		X
SEDIMENT BARRIER	X	X		X
SEDIMENT TRAP				
SODDING				
SOIL TRICKIFIERS				
STORM DRAIN INLET PROTECTION	X	X		X
STRAW WATTLES (OR OTHER MATERIALS)	X	X		X
TEMPORARY DIVERSION DIKES				
TEMPORARY OR PERMANENT SEDIMENTATION BASINS				
TEMPORARY SEEDING AND PLANTING		X		
TREATMENT SYSTEM (OPERATION & MAINTENANCE PLAN REQUIRED)				
UNPAVED ROADS GRAVELED OR OTHER BMP ON THE ROAD				
VEGETATIVE BUFFER STRIPS				

RATIONAL STATEMENT

A COMPREHENSIVE LIST OF AVAILABLE BEST MANAGEMENT PRACTICES (BMP) OPTIONS BASED ON DEQ'S GUIDANCE MANUAL HAS BEEN REVIEWED TO COMPLETE THIS EROSION AND SEDIMENT CONTROL PLAN (ESCP). SOME OF THE ABOVE LISTED BMPs WERE NOT CHOSEN BECAUSE THEY WERE DETERMINED TO NOT EFFECTIVELY MANAGE EROSION PREVENTION AND SEDIMENT CONTROL FOR THIS PROJECT BASED ON SITE CONDITIONS, INCLUDING SOIL CONDITIONS TOPOGRAPHIC CONSTRAINTS, ACCESSIBILITY TO THE SITE, AND OTHER RELATED CONDITIONS, AS THE PROJECT PROGRESSES AND THERE IS A NEED TO REVISE THE ESCP. AN ACTION PLAN WILL BE SUBMITTED

INSPECTION FREQUENCY

SITE CONDITION	MINIMUM FREQUENCY
1. ACTIVE PERIOD	ON INITIAL DATE THAT LAND DISTURBANCE ACTIVITIES COMMENCE. WITHIN 24 HOURS OF ANY STORM EVENT, INCLUDING RUNOFF FROM SNOW MELT, THAT RESULTS IN DISCHARGE FROM THE SITE. AT LEAST EVERY 14 DAYS, REGARDLESS OF WETHER STORMWATER RUNOFF IS OCCURRING.
2. INACTIVE PERIODS GREATER THAN FOURTEEN (14) CONSECUTIVE CALENDAR DAYS	THE INSPECTOR MAY REDUCE THE FREQUENCY OF INSPECTIONS IN ANY AREA OF THE SITE WHERE THE STABILIZATION STEPS IN SECTION 2.2.20 HAVE BEEN COMPLETED TO TWICE PER MONTH FOR THE FIRST MONTH, NO LESS THAN 14 CALENDAR DAYS APART, THEN ONCE PER MONTH.
3. PERIODS DURING WHICH THE SITE IS INACCESSIBLE DUE TO INCLEMENT WEATHER	IF SAFE, ACCESSIBLE AND PRACTICAL, INSPECTIONS MUST OCCUR DAILY AT A RELEVANT DISCHARGE POINT OR DOWNSTREAM LOCATION OF THE RECEIVING WATERBODY.
4. PERIODS DURING WHICH CONSTRUCTION ACTIVITIES ARE SUSPENDED AND RUNOFF IS UNLIKELY DUE TO FROZEN CONDITIONS.	VISUAL MONITORING INSPECTIONS MAYBE TEMPORARILY SUSPENDED. IMMEDIATELY RESUME MONITORING UPON THAWING, OR WHEN WEATHER CONDITIONS MAKE DISCHARGES LIKELY.
5. PERIODS DURING WHICH CONSTRUCTION ACTIVITIES ARE CONDUCTED AND RUNOFF IS UNLIKELY DURING FROZEN CONDITIONS.	VISUAL MONITORING INSPECTIONS MAYBE REDUCED TO ONCE A MONTH. IMMEDIATELY RESUME MONITORING UPON THAWING, OR WHEN WEATHER CONDITIONS MAKE DISCHARGES LIKELY.

SPILL PREVENTION AND CONTROL

- POLLUTANT-GENERATING ACTIVITIES TO TAKE PLACE DURING THE DEMOLITION AND CLEARING PHASE:
 - EQUIPMENT FUELING WITH EITHER GASOLINE OR DIESEL FUEL.
 - FUEL STORAGE OF GASOLINE AND DIESEL FUEL.
 - EQUIPMENT HYDRAULIC OILING.
 - HYDRAULIC OIL STORAGE OF 10-GALLON BUCKETS.
 - GREEN WASTE FROM VEGETATION REMOVAL.
- POLLUTANT-GENERATING ACTIVITIES TO TAKE PLACE DURING THE GRADING, STORMWATER MANAGEMENT & STREET CONSTRUCTION, LANDSCAPING AND FINAL STABILIZATION PHASES:
 - EQUIPMENT FUELING WITH EITHER GASOLINE OR DIESEL FUEL.
 - FUEL STORAGE OF GASOLINE AND DIESEL FUEL.
 - EQUIPMENT HYDRAULIC OILING.
 - HYDRAULIC OIL STORAGE OF 10-GALLON BUCKETS.
 - STORAGE OF CONSTRUCTION RELATED MATERIALS.
 - JOINT SEAL MATERIALS, CONCRETE CURING COMPOUNDS, WASTEWATER FROM CONCRETE WASHOUT.
 - ASPHALT CONCRETE (AC) AND PORTLAND CEMENT CONCRETE (PCC) MATERIALS AND WASTES.
 - PAINTS, SOLVENTS, AND THINNERS.
- POLLUTION-GENERATING SPILL PROCEDURE:
 - POTENTIAL POLLUTANTS TO BE STORED AT POLLUTANT STORAGE LOCATION NOTED ON PLANS.
 - WORKERS SHALL TAKE SPECIAL CARE WHILE HANDLING POLLUTANT MATERIALS.
 - SHOULD A LEAK OR SPILL OF POLLUTANT MATERIALS OCCUR, IT WILL BE CLEANED UP IMMEDIATELY WHERE A LEAK, SPILL, OR OTHER RELEASE CONTAINING A HAZARDOUS SUBSTANCE OR OIL OCCURS DURING A 24-HOUR PERIOD. NOTIFY THE OREGON EMERGENCY RESPONSE SYSTEM AT (800) 452-0311.

DEQ GENERAL NOTES

- ONCE KNOWN, INCLUDE A LIST OF ALL CONTRACTORS THAT WILL ENGAGE IN CONSTRUCTION ACTIVITIES ON SITE, AND THE AREAS OF THE SITE WHERE THE CONTRACTOR(S) WILL ENGAGE IN CONSTRUCTION ACTIVITIES. REVISE LIST AS APPROPRIATE UNTIL PERMIT COVERAGE IS TERMINATED (SECTION 4.4.e.i.). IN ADDITION, INCLUDE A LIST OF ALL PERSONNEL (BY NAME AND POSITION) THAT ARE RESPONSIBLE FOR THE DESIGN, INSTALLATION AND MAINTENANCE OF STORMWATER CONTROL MEASURES (e.g. ESCP DEVELOPER, BMP INSTALLER (SEE SECTION 4.10), AS WELL AS THEIR INDIVIDUAL RESPONSIBILITIES. (SECTION 4.4.e.ii)
- VISUAL MONITORING INSPECTION REPORTS MUST BE MADE IN ACCORDANCE WITH DEQ 1200-C PERMIT REQUIREMENTS. (SECTION 6.5)
- INSPECTION LOGS MUST BE KEPT IN ACCORDANCE WITH DEQ'S 1200-C PERMIT REQUIREMENTS. (SECTION 6.5.g)
- RETAIN A COPY OF THE ESCP AND ALL REVISIONS ON SITE AND MAKE IT AVAILABLE ON REQUEST TO DEQ, AGENT, OR THE LOCAL MUNICIPALITY. (SECTION 4.7)
- THE PERMIT REGISTRANT MUST IMPLEMENT THE ESCP. FAILURE TO IMPLEMENT ANY OF THE CONTROL MEASURES OR PRACTICES DESCRIBED IN THE ESCP IS A VIOLATION OF THE PERMIT. (SECTIONS 4 AND 4.11)
- THE ESCP MUST BE ACCURATE AND REFLECT SITE CONDITIONS. (SECTION 4.8)
- SUBMISSION OF ALL ESCP REVISIONS IS NOT REQUIRED. SUBMITTAL OF THE ESCP REVISIONS IS ONLY UNDER SPECIFIC CONDITIONS. SUBMIT ALL NECESSARY REVISION TO DEQ OR AGENT WITHIN 10 DAYS. (SECTION 4.9)
- SEQUENCE CLEARING AND GRADING TO THE MAXIMUM EXTENT PRACTICAL TO PREVENT EXPOSED INACTIVE AREAS FROM BECOMING A SOURCE OF EROSION. (SECTION 2.2.2)
- CREATE SMOOTH SURFACES BETWEEN SOIL SURFACE AND EROSION AND SEDIMENT CONTROLS TO PREVENT STORMWATER FROM BYPASSING CONTROLS AND PONDING. (SECTION 2.2.3)
- IDENTIFY, MARK, AND PROTECT (BY CONSTRUCTION FENCING OR OTHER MEANS) CRITICAL RIPARIAN AREAS AND VEGETATION INCLUDING IMPORTANT TREES AND ASSOCIATED ROOTING ZONES, AND VEGETATION AREAS TO BE PRESERVED. IDENTIFY VEGETATIVE BUFFER ZONES BETWEEN THE SITE AND SENSITIVE AREAS (E.G., WETLANDS), AND OTHER AREAS TO BE PRESERVED, ESPECIALLY IN PERIMETER AREAS. (SECTION 2.2.1)
- PRESERVE EXISTING VEGETATION WHEN PRACTICAL AND RE-VEGETATE OPEN AREAS. RE-VEGETATE OPEN AREAS WHEN PRACTICABLE BEFORE AND AFTER GRADING OR CONSTRUCTION. IDENTIFY THE TYPE OF VEGETATIVE SEED MIX USED. (SECTION 2.2.5)
- MAINTAIN AND DELINEATE ANY EXISTING NATURAL BUFFER WITHIN THE 50- FEET OF WATERS OF THE STATE. (SECTION 2.2.4)
- INSTALL PERIMETER SEDIMENT CONTROL, INCLUDING STORM DRAIN INLET PROTECTION AS WELL AS ALL SEDIMENT BASINS, TRAPS, AND BARRIERS PRIOR TO LAND DISTURBANCE. (SECTIONS 2.1.3)
- CONTROL BOTH PEAK FLOW RATES AND TOTAL STORMWATER VOLUME, TO MINIMIZE EROSION AT OUTLETS AND DOWNSTREAM CHANNELS AND STREAMBANKS. (SECTIONS 2.1.1, AND 2.2.16)
- CONTROL SEDIMENT AS NEEDED ALONG THE SITE PERIMETER AND AT ALL OPERATIONAL INTERNAL STORM DRAIN INLETS AT ALL TIMES DURING CONSTRUCTION, BOTH INTERNALLY AND AT THE SITE BOUNDARY. (SECTIONS 2.2.6 AND 2.2.13)
- ESTABLISH CONCRETE TRUCK AND OTHER CONCRETE EQUIPMENT WASHOUT AREAS BEFORE BEGINNING CONCRETE WORK. (SECTION 2.2.14)
- APPLY TEMPORARY AND/OR PERMANENT SOIL STABILIZATION MEASURES IMMEDIATELY ON ALL DISTURBED AREAS AS GRADING PROGRESSES. TEMPORARY OR PERMANENT STABILIZATIONS MEASURES ARE NOT REQUIRED FOR AREAS THAT ARE INTENDED TO BE LEFT UNVEGETATED, SUCH AS DIRT ACCESS ROADS OR UTILITY POLE PADS. (SECTIONS 2.2.20 AND 2.2.21)
- ESTABLISH MATERIAL AND WASTE STORAGE AREAS, AND OTHER NON-STORMWATER CONTROLS. (SECTION 2.3.7)
- KEEP WASTE CONTAINER LIDS CLOSED WHEN NOT IN USE AND CLOSE LIDS AT THE END OF THE BUSINESS DAY FOR THOSE CONTAINERS THAT ARE ACTIVELY USED THROUGHOUT THE DAY. FOR WASTE CONTAINERS THAT DO NOT HAVE LIDS, PROVIDE EITHER (1) COVER (E.G., A TARP, PLASTIC SHEETING, TEMPORARY ROOF) TO PREVENT EXPOSURE OF WASTES TO PRECIPITATION, OR (2) A SIMILARLY EFFECTIVE MEANS DESIGNED TO PREVENT THE DISCHARGE OF POLLUTANTS (E.G., SECONDARY CONTAINMENT). (SECTION 2.3.7)
- PREVENT TRACKING OF SEDIMENT ONTO PUBLIC OR PRIVATE ROADS USING BMPs SUCH AS: CONSTRUCTION ENTRANCE, GRAVELED (OR PAVED) EXITS AND PARKING AREAS, GRAVEL ALL UNPAVED ROADS LOCATED ONSITE, OR USE AN EXIT TIRE WASH. THESE BMPs MUST BE IN PLACE PRIOR TO LAND- DISTURBING ACTIVITIES. (SECTION 2.2.7)
- WHEN TRACKING SATURATED SOILS FROM THE SITE, EITHER USE WATER-TIGHT TRUCKS OR DRAIN LOADS ON SITE. (SECTION 2.2.7.f)
- CONTROL PROHIBITED DISCHARGES FROM LEAVING THE CONSTRUCTION SITE, I.E., CONCRETE WASH-OUT, WASTEWATER FROM CLEANOUT OF STUCCO, PAINT AND CURING COMPOUNDS. (SECTIONS 1.5 AND 2.3.9)
- ENSURE THAT STEEP SLOPE AREAS WHERE CONSTRUCTION ACTIVITIES ARE NOT OCCURRING ARE NOT DISTURBED. (SECTION 2.2.10)
- PREVENT SOIL COMPACTION IN AREAS WHERE POST-CONSTRUCTION INFILTRATION FACILITIES ARE TO BE INSTALLED. (SECTION 2.2.12)
- USE BMPs TO PREVENT OR MINIMIZE STORMWATER EXPOSURE TO POLLUTANTS FROM SPILLS; VEHICLE AND EQUIPMENT FUELING, MAINTENANCE, AND STORAGE; OTHER CLEANING AND MAINTENANCE ACTIVITIES; AND WASTE HANDLING ACTIVITIES. THESE POLLUTANTS INCLUDE FUEL, HYDRAULIC FLUID, AND OTHER OILS FROM VEHICLES AND MACHINERY, AS WELL AS DEBRIS, FERTILIZER, PESTICIDES AND HERBICIDES, PAINTS, SOLVENTS, CURING COMPOUNDS AND ADHESIVES FROM CONSTRUCTION OPERATIONS. (SECTIONS 2.2.15 AND 2.3)
- PROVIDE PLANS FOR SEDIMENTATION BASINS THAT HAVE BEEN DESIGNED PER SECTION 2.2.17 AND STAMPED BY AN OREGON PROFESSIONAL ENGINEER. (SEE SECTION 2.2.17.A)
- IF ENGINEERED SOILS ARE USED ON SITE, A SEDIMENTATION BASIN/IMPOUNDMENT MUST BE INSTALLED. (SEE SECTIONS 2.2.17 AND 2.2.18)
- PROVIDE A DEWATERING PLAN FOR ACCUMULATED WATER FROM PRECIPITATION AND UNCONTAMINATED GROUNDWATER SEEPAGE DUE TO SHALLOW EXCAVATION ACTIVITIES. (SEE SECTION 2.4)
- IMPLEMENT THE FOLLOWING BMPs WHEN APPLICABLE: WRITTEN SPILL PREVENTION AND RESPONSE PROCEDURES; EMPLOYEE TRAINING ON SPILL PREVENTION AND PROPER DISPOSAL PROCEDURES; SPILL KITS IN ALL VEHICLES; REGULAR MAINTENANCE SCHEDULE FOR VEHICLES AND MACHINERY, MATERIAL DELIVERY AND STORAGE CONTROLS, TRAINING AND SIGNAGE, AND COVERED STORAGE AREAS FOR WASTE AND SUPPLIES. (SECTION 2.3)
- USE WATER, SOIL-BINDING AGENT OR OTHER DUST CONTROL TECHNIQUE AS NEEDED TO AVOID WIND-BLOWN SOIL. (SECTION 2.2.9)
- THE APPLICATION RATE OF FERTILIZERS USED TO REESTABLISH VEGETATION MUST FOLLOW MANUFACTURER'S RECOMMENDATIONS TO MINIMIZE NUTRIENT RELEASES TO SURFACE WATERS. EXERCISE CAUTION WHEN USING TIME-RELEASE FERTILIZERS WITHIN ANY WATERWAY RIPARIAN ZONE. (SECTION 2.3.5)
- IF AN ACTIVE TREATMENT SYSTEM (FOR EXAMPLE, ELECTRO-COAGULATION, FLOCCULATION, FILTRATION, ETC.) FOR SEDIMENT OR OTHER POLLUTANT REMOVAL IS EMPLOYED, SUBMIT AN OPERATION AND MAINTENANCE PLAN (INCLUDING SYSTEM SCHEMATIC, LOCATION OF SYSTEM, LOCATION OF INLET, LOCATION OF DISCHARGE, DISCHARGE DISPERSION DEVICE DESIGN, AND A SAMPLING PLAN AND FREQUENCY) BEFORE OPERATING THE TREATMENT SYSTEM. OBTAIN ENVIRONMENTAL MANAGEMENT PLAN APPROVAL FROM DEQ BEFORE OPERATING THE TREATMENT SYSTEM. OPERATE AND MAINTAIN THE TREATMENT SYSTEM ACCORDING TO MANUFACTURER'S SPECIFICATIONS. (SECTION 1.2.9)
- TEMPORARILY STABILIZE SOILS AT THE END OF THE SHIFT BEFORE HOLIDAYS AND WEEKENDS, IF NEEDED. THE REGISTRANT IS RESPONSIBLE FOR ENSURING THAT SOILS ARE STABLE DURING RAIN EVENTS AT ALL TIMES OF THE YEAR. (SECTION 2.2)
- AS NEEDED BASED ON WEATHER CONDITIONS, AT THE END OF EACH WORKDAY SOIL STOCKPILES MUST BE STABILIZED OR COVERED, OR OTHER BMPs MUST BE IMPLEMENTED TO PREVENT DISCHARGES TO SURFACE WATERS OR CONVEYANCE SYSTEMS LEADING TO SURFACE WATERS. (SECTION 2.2.8)
- SEDIMENT FENCE: REMOVE TRAPPED SEDIMENT BEFORE IT REACHES ONE THIRD OF THE ABOVE GROUND FENCE HEIGHT AND BEFORE FENCE REMOVAL. (SECTION 2.1.5.b)
- OTHER SEDIMENT BARRIERS (SUCH AS BIOBAGS): REMOVE SEDIMENT BEFORE IT REACHES TWO INCHES DEPTH ABOVE GROUND HEIGHT AND BEFORE BMP REMOVAL. (SECTION 2.1.5.c)
- CATCH BASINS: CLEAN BEFORE RETENTION CAPACITY HAS BEEN REDUCED BY FIFTY PERCENT. SEDIMENT BASINS AND SEDIMENT TRAPS: REMOVE TRAPPED SEDIMENTS BEFORE DESIGN CAPACITY HAS BEEN REDUCED BY FIFTY PERCENT AND AT COMPLETION OF PROJECT. (SECTION 2.1.5.d)
- WITHIN 24 HOURS, SIGNIFICANT SEDIMENT THAT HAS LEFT THE CONSTRUCTION SITE, MUST BE REMEDIATED, INVESTIGATE THE CAUSE OF THE SEDIMENT RELEASE AND IMPLEMENT STEPS TO PREVENT A RECURRENCE OF THE DISCHARGE WITHIN THE SAME 24 HOURS. ANY IN-STREAM CLEAN-UP OF SEDIMENT SHALL BE PERFORMED ACCORDING TO THE OREGON DEPARTMENT OF STATE LANDS REQUIRED TIMEFRAME. (SECTION 2.2.19.a)
- THE INTENTIONAL WASHING OF SEDIMENT INTO STORM SEWERS OR DRAINAGE WAYS MUST NOT OCCUR. VACUUMING OR DRY SWEEPING AND MATERIAL PICKUP MUST BE USED TO CLEANUP RELEASED SEDIMENTS. (SECTION 2.2.19)
- DOCUMENT ANY PORTIONS OF THE SITE WHERE LAND DISTURBING ACTIVITIES HAVE PERMANENTLY CEASED OR WILL BE TEMPORARILY INACTIVE FOR 14 OR MORE CALENDAR DAYS. (SECTION 6.5.f.)
- PROVIDE TEMPORARY STABILIZATION FOR THAT PORTION OF THE SITE WHERE CONSTRUCTION ACTIVITIES CEASE FOR 14 DAYS OR MORE WITH A COVERING OF BLOWN STRAW AND A TACKIFIER, LOOSE STRAW, OR AN ADEQUATE COVERING OF COMPOST MULCH UNTIL WORK RESUMES ON THAT PORTION OF THE SITE. (SECTION 2.2.20)
- DO NOT REMOVE TEMPORARY SEDIMENT CONTROL PRACTICES UNTIL PERMANENT VEGETATION OR OTHER COVER OF EXPOSED AREAS IS ESTABLISHED. ONCE CONSTRUCTION IS COMPLETE AND THE SITE IS STABILIZED, ALL TEMPORARY EROSION CONTROLS AND RETAINED SOILS MUST BE REMOVED AND DISPOSED OF PROPERLY, UNLESS NEEDED FOR LONG TERM USE FOLLOWING TERMINATION OF PERMIT COVERAGE. (SECTION 2.2.21)

AUTHORIZED NON-STORMWATER DISCHARGES

- WATER AND ASSOCIATED DISCHARGES FROM EMERGENCY FIREFIGHTING ACTIVITIES
- FIRE HYDRANT FLUSHING
- PROPERLY MANAGED LANDSCAPING IRRIGATION
- WATER USED TO WASH EQUIPMENT AND VEHICLES (EXCLUDING THE ENGINE, UNDERCARRIAGE, AND WHEELS/TIRES) PROVIDED THERE IS NO DISCHARGE OF SOAPS, SOLVENTS, OR DETERGENTS USED
- WATER USED TO CONTROL DUST
- POTABLE WATER INCLUDING UNCONTAMINATED WATER LINE FLUSHINGS
- EXTERNAL BUILDING WASH-DOWN, PROVIDED SOAPS, SOLVENTS, AND DETERGENTS ARE NOT USED, AND EXTERNAL SURFACES DO NOT CONTAIN HAZARDOUS SUBSTANCES
- PAVEMENT WASH WATERS, PROVIDED SPILLS OR LEAKS OF TOXIC OR HAZARDOUS SUBSTANCES HAVE NOT OCCURRED (UNLESS ALL SPILL MATERIAL HAS BEEN REMOVED) AND WHERE SOAPS, SOLVENTS, AND DETERGENTS ARE NOT USED. DIRECTING PAVEMENT WASH WATERS INTO ANY SURFACE WATER, STORM DRAIN INLET, OR STORMWATER CONVEYANCE IS PROHIBITED, UNLESS THE CONVEYANCE IS CONNECTED TO A SEDIMENT BASIN, SEDIMENT TRAP, OR SIMILARLY EFFECTIVE CONTROL FOR THE POLLUTANTS PRESENT. PER 2.2.19.b, HOUSING OF ACCUMULATED SEDIMENTS ON PAVEMENT INTO ANY STORMWATER CONVEYANCE IS PROHIBITED
- UNCONTAMINATED, NON-TURBID DISCHARGES OF GROUNDWATER OR SPRING WATER
- FOUNDATION OR FOOTING DRAINS WHERE FLOWS ARE NOT CONTAMINATED WITH PROCESS MATERIALS SUCH AS SOLVENTS OR CONTAMINATED GROUNDWATER
- CONSTRUCTION DEWATERING ACTIVITIES (INCLUDING GROUNDWATER DEWATERING AND WELL DRILLING DISCHARGE ASSOCIATED WITH THE REGISTERED CONSTRUCTION ACTIVITY), PROVIDED THAT:
 - THE WATER IS LAND APPLIED IN A WAY THAT RESULTS IN COMPLETE INFILTRATION WITH NO POTENTIAL TO DISCHARGE TO A SURFACE WATER OF THE STATE, OR THE USE OF A SANITARY OR COMBINED SEWER DISCHARGES AUTHORIZED WITH LOCAL SEWER DISTRICT APPROVAL, OR
 - BEST MANAGEMENT PRACTICES AND A TREATMENT SYSTEM APPROVED BY DEQ OR AGENT (SEE SECTION 1.2.9) ARE USED TO ENSURE COMPLIANCE WITH DISCHARGE AND WATER QUALITY REQUIREMENTS IN SECTION 2.4

MANAGEMENT OF POLLUTANT GENERATING ACTIVITIES

ENTIRE LIMITS OF DISTURBANCE MAY BE SUBJECT TO VARIOUS CONSTRUCTION POLLUTANTS AND EQUIPMENT TRAFFIC. CONTRACTOR SHALL MAINTAIN A LIST OF SUBCONTRACTORS AND POSSIBLE CONTAMINANTS AND WHERE THOSE MATERIALS ARE PLANNED TO BE USED ON SITE AS WELL AS THE TYPES OF SPILL KIT MATERIALS THAT WILL BE NEEDED. IT IS RECOMMENDED THAT SUBCONTRACTORS HAVE THEIR OWN SPILL KITS WITH THE APPROPRIATE SORBENT MATERIALS, PPE, CONTAINMENT AND DISPOSAL SUPPLIES FOR THE PRODUCTS THEY ARE BRINGING TO THE SITE. CONTRACTOR SHALL BE RESPONSIBLE FOR MANAGING BMP'S ON SITE. SEE POLLUTION-GENERATING SPILL PROCEDURE NOTES ON THIS SHEET.

SHEET INDEX

- EC000 EPSCP: COVER & GENERAL NOTES
- EC100 EPSCP: DEMO & CLEARING
- EC200 EPSCP: GRADING, STORMWATER MANAGEMENT & STREET
- EC300 EPSCP: FINAL LANDSCAPING & SITE STABILIZATION
- EC400 EPSCP: DETAILS
- EC401 EPSCP: DETAILS

OWNER/APPLICANT

CITY OF COBURG
91136 N. WILLAMETTE STREET
COBURG, OR 97408
PHONE: (541) 682-7850

BUILDER

TO BE DETERMINED

CESCL

TO BE DETERMINED

BMP INSTALLER

TO BE DETERMINED

SITE INFORMATION

TYPE OF DEVELOPMENT: PUBLIC IMPROVEMENTS FOR THE CITY OF COBURG.

- CONSTRUCTION ACTIVITY WILL CONSIST OF:
 - CLEARING AND MASS GRADING
 - PUBLIC STORMWATER MANAGEMENT FACILITIES
 - PUBLIC STREET IMPROVEMENTS
- PROJECT TIMELINE:
CLEARING: MAY-JUNE, 2024
MASS GRADING & STORMWATER FACILITIES CONSTRUCTION: JUNE-AUG, 2024
FINAL STABILIZATION: AUG-SEP, 2024
- PROJECT HOURS: MONDAY-SATURDAY, 7AM-7PM
- PROJECT SITE AREAS:
TOTAL AREA: N/A (R-0-W)
DISTURBED AREA: 1.31 AC
PERCENT OF SITE DISTURBED: N/A (R-0-W)
IMPROVEMENT LENGTH: ± 1,200 LF
- ONSITE SOIL TYPES:
76 MALABON-URBAN LAND COMPLEX, 0-3% SLOPES

RAIN GAUGE LOCATION

STATION "COBURG 0.3W" IS LOCATED AT 91114 N. HARRISON ST. APPROXIMATELY 0.2 MI. SOUTHWEST OF THE SITE. (HTTPS://AGACIS.RCC-AOIS.ORG/)

FEMA FIRM DATA

PER FEMA FIRM MAP NUMBER 41039C0639 DATED 6/2/1999, THIS SITE IS ENTIRELY IN ZONE X (AREA OF MINIMUM FLOOD HAZARD)

ENGINEER/ESCP PREPARER

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CONTRACTOR/BMP MAINTAINER

TO BE DETERMINED
SUBMIT TO DEQ CONTRACTOR/BMP MAINTAINER INFORMATION ONCE KNOWN.

LIST OF SUBCONTRACTORS

TO BE DETERMINED
SUB-CONTRACTORS WILL BE ADDED TO THE LIST AS BIDS ARE RECEIVED AND WILL BE KEPT ON SITE AND MANAGED BY AWARDED CONTRACTOR.
LIST OF SUB-CONTRACTORS TO PERFORM WORK ON SITE SHALL BE SUBMITTED TO DEQ ONCE KNOWN.

WET WEATHER PERMIT CONDITIONS

- WET WEATHER EROSION PREVENTION MEASURES WILL BE IN EFFECT FROM OCTOBER 1 THROUGH APRIL 30.
- SOIL EXPOSED FOR MORE THAN 2 DAYS SHALL BE COVERED WITH PLASTIC SHEETING, MATTING, OR A 2-INCH LAYER OF MULCH, BARK, WOOD CHIPS, SAWDUST, OR STRAW TO MINIMIZE EROSION POTENTIAL.
- EXPOSED SOILS SHALL BE SEEDDED NO LATER THAN SEPTEMBER 1ST TO ALLOW TIME FOR PROPER GERMINATION AND GROWTH BEFORE THE WET WEATHER SEASON.

SAWCUTTING MEASURES

- IF SAWCUTTING, CONTRACTOR SHALL FOLLOW THIS THREE-STEP PROCEDURE TO ELIMINATE DISCHARGE.
- BLOCK DRAINS. LOCATE ALL NEARBY STORM DRAIN INLETS, CULVERTS, AND CATCH BASINS THROUGH WHICH SLURRY DISCHARGES MAY ENTER A WATERWAY. IF YOU ARE WITHIN ACCESS OF A STORM DRAIN INLET, BLOCK THE PATH TO THE NEAREST DRAIN. EITHER DIVERT FLOWS OR BERM INLETS TO POOL WATER AWAY FROM DRAINS. ANOTHER OPTION IS TO SEAL OR PLUG THE INLET.
- MINIMIZE SLURRY MOVEMENT. SLURRY AND SEDIMENT FROM SAWCUTTING OPERATIONS SHOULD BE CONFINED TO THE IMMEDIATE WORK AREA BY USING TEMPORARY BERMS OR DIVERSION STRUCTURES. MINIMIZE THE TRACKING OF SLURRY OFF SITE BY CARS AND PEDESTRIANS.
- REMOVE SLURRY. EFFICIENTLY AND EFFECTIVELY COLLECT AND REMOVE ALL SLURRY AND RUNOFF FROM THE SAW CUTTING OPERATION AS SOON AS POSSIBLE. BE SURE TO INCLUDE REMOVAL OF ANY SLURRY COLLECTED IN OR NEAR THE STORM DRAIN INLETS BY PUMPING TO A COLLECTION VESSEL OR USING A WET/DRY VACUUM. IT MAY BE NECESSARY TO USE A STREET SWEEPER OR WASH DOWN THE AREA AND COLLECT THE WATER.
NO SLURRY OR WASHWATER IS ALLOWED TO DRAIN OFF SITE. SLURRY AND WASH WATER MAY BE DISPOSED OF ON SITE WHERE IT CAN FILTER INTO THE GROUND. OTHERWISE, DISPOSE OF ALL COLLECTED SLURRY AND WASH WATER PROPERLY. ONE WAY IS TO ALLOW COLLECTED SLURRY TO SETTLE AND DECANT THE WATER ONTO THE GROUND OR, WITH APPROVAL, INTO THE SANITARY SEWER WITH APPROVAL. DISPOSE OF THE SOLIDS APPROPRIATELY.



Expires: DEC 31, 2024

project title:

**N. WILLAMETTE, E. MACY, & N. HARRISON
RECONSTRUCTION PROJECT**
CITY OF COBURG
91136 N. WILLAMETTE STREET
COBURG, OREGON

revisions:
Δ REVISED SITE PLAN 5/02/24
DEQ COMMENTS 4/19/24

date: APRIL 23, 2024
drawn by: ZZ
designer: JLL
project no: 21-004B.1

**EPSCP: DEMO
& CLEARING**

sheet:
EC100

EXISTING CONDITIONS AND DEMO GENERAL NOTES:

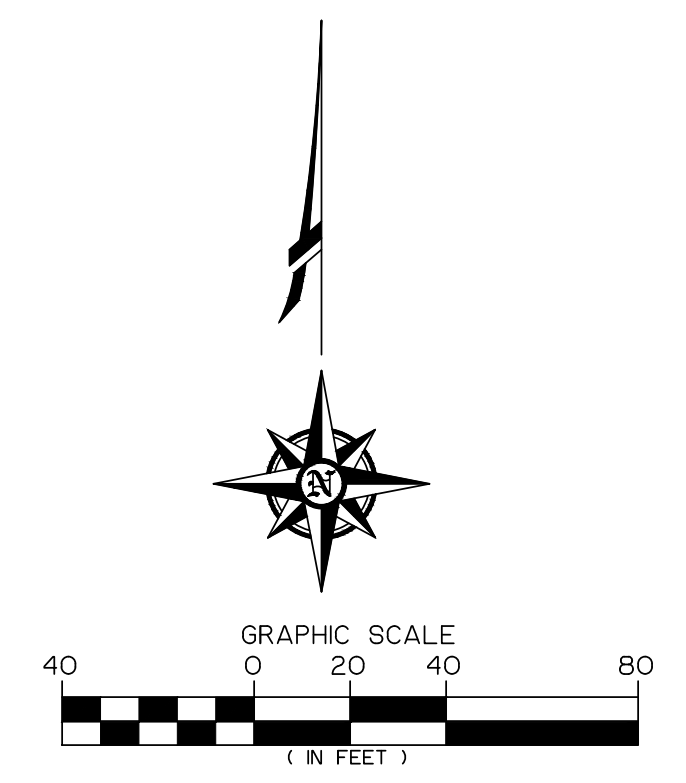
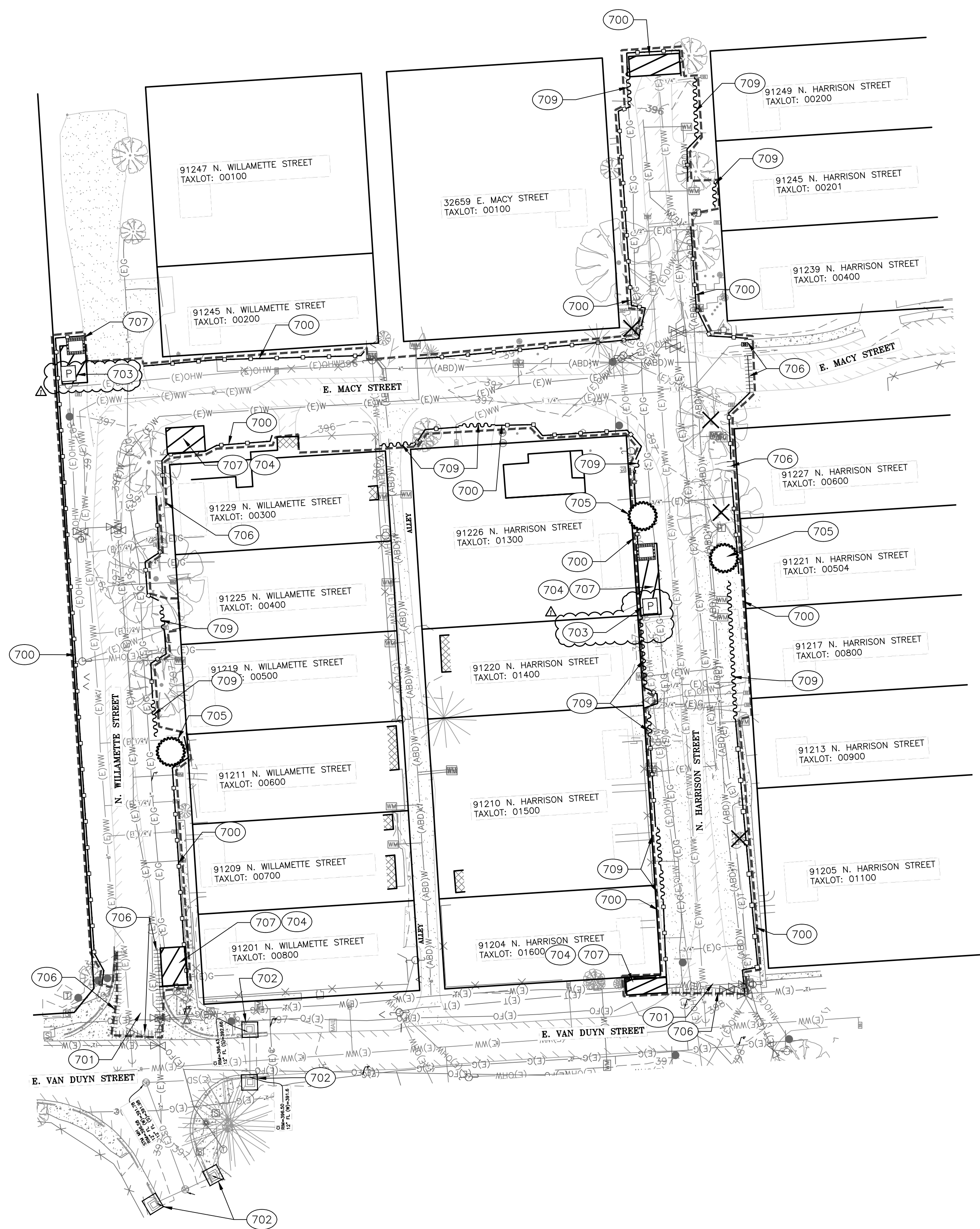
1. ALL BASE ESC MEASURES MUST BE IN PLACE, FUNCTIONAL, AND APPROVED IN AN INITIAL INSPECTION, PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES.
2. NO ACTIVITIES ARE PERMITTED TO OCCUR BEYOND THE LIMITS OF DISTURBANCE.
3. ADDITIONAL MEASURES INCLUDING, BUT NOT LIMITED TO, STREET SWEEPING, AND VACUUMING, MAY BE REQUIRED TO INSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.
4. RUN-ON AND RUN-OFF CONTROLS SHALL BE IN PLACE AND FUNCTIONING FOR THE DURATION OF THE PROJECT, RUN-ON AND RUN-OFF CONTROL MEASURES INCLUDE: CHECK DAMS, SURFACE ROUGHENING AND BANK STABILIZATION.
5. SENSITIVE RESOURCES INCLUDING, BUT NOT LIMITED TO, TREES, WETLANDS, AND RIPARIAN PROTECTION AREAS SHALL BE CLEARLY DELINEATED WITH ORANGE CONSTRUCTION FENCING OR CHAIN LINK FENCING IN A MANNER THAT IS CLEARLY VISIBLE TO ANYONE IN THE AREA. NO ACTIVITIES ARE PERMITTED TO OCCUR BEYOND THE CONSTRUCTION BARRIER.
6. CONTRACTOR SHALL COORDINATE WITH EPSC CERTIFIED VISUAL MONITORING INSPECTOR TO DETERMINE FINAL BMP TYPE AND PLACEMENT.
7. CONSTRUCTION WILL OCCUR DURING SUMMER MONTHS. DEWATERING IS NOT EXPECTED TO OCCUR. IF DEWATERING IS REQUIRED, DISCHARGE WATER TO ESTABLISHED VEGETATION IN UPLAND AREA.

EROSION CONTROL KEYNOTES

- 700 CONSTRUCT SEDIMENT FENCE AND/OR COMPOST FILTER SOCK AT LIMITS OF DISTURBANCE WHERE NECESSARY TO LIMIT SEDIMENT DRAINING ONTO PRIVATE PROPERTY. CONTRACTOR TO COORDINATE WITH EPSC CERTIFIED VISUAL MONITORING INSPECTOR FOR FINAL PLACEMENT. INSTALLATION OF BMPS PER OREGON STANDARD DRAWINGS RD1040 ON SHEET EC401 AND RD1032 ON SHEET EC400.
- 701 USE EXISTING PAVED ROAD AS CONSTRUCTION ENTRANCE/EXIT.
- 702 INSTALL TYPE 10 INLET PROTECTION FOR CURB INLET PER OREGON STANDARD DRAWING RD1010 ON SHEET EC400.
- 703 PROVIDE AND MAINTAIN PORTABLE RESTROOMS/SANITARY FACILITIES PER OSHA STANDARDS. FINAL LOCATION TBD BY CONTRACTOR.
- 704 PROVIDE DUMPSTER CONTAINERS FOR CONSTRUCTION DEBRIS. FINAL LOCATION TBD BY CONTRACTOR.
- 705 TEMPORARY STOCKPILE LOCATION. INSTALL PLASTIC SHEETING ON STOCKPILE PER ODOT TECHNICAL SERVICES DETAIL DET6001 ON SHEET EC401. CONTRACTOR SHALL COORDINATE LOCATION WITH INSPECTOR PRIOR TO INSTALLATION.
- 706 SAWCUT AS NEEDED AND REMOVE EXISTING PAVEMENT. ENSURE THAT NO CONTAMINANTS RESULTING FROM SAWCUTTING ACTIVITIES ENTER THE STORMWATER SYSTEM.
- 707 TEMPORARY AREA FOR EQUIPMENT STORAGE & MAINTENANCE, MATERIAL STORAGE, STAGING, FUEL STORAGE & REFUELING, AND HAZARDOUS WASTE. SEE SPILL PREVENTION AND CONTROL NOTES ON SHEET EC000.
- 709 DURING STORM EVENTS, INSTALL WATTLE ON DRIVEWAYS AND PEDESTRIAN ACCESSES, AS SHOWN, TO CONTROL RUN OFF. PLACE A SANDBAG AT EACH END OF WATTLE AND 3' ON CENTER TO HOLD IT IN PLACE. REMOVE FOR VEHICULAR TRAFFIC WHEN NEEDED.

EROSION CONTROL LEGEND

	PROPOSED LIMITS OF DISTURBANCE
	EXISTING CONTOUR
	SEDIMENT FENCE
	SAWCUT
	EXISTING DIRECTION OF FLOW
	PORTABLE RESTROOMS
	EQUIPMENT AND MATERIAL AREA
	STOCKPILE
	EXISTING DECIDUOUS TREE
	EXISTING EVERGREEN TREE
	TREE TO BE REMOVED (SEE TREE REMOVAL PERMIT)
	WATTLE
	INLET PROTECTION
	EXISTING CONCRETE
	EXISTING BUILDING
	EXISTING GRAVEL
	EXISTING EDGE OF ASPHALT





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revisions:
▲ REVISED SITE PLAN 5/02/24

date: APRIL 23, 2024
drawn by: ZZ
designer: JLL
project no: 21-004B.1

EPSCP: GRADING,
STORMWATER
MANAGEMENT
& STREET

sheet:
EC200

GRADING, EXCAVATION & STREET CONSTRUCTION GENERAL NOTES:

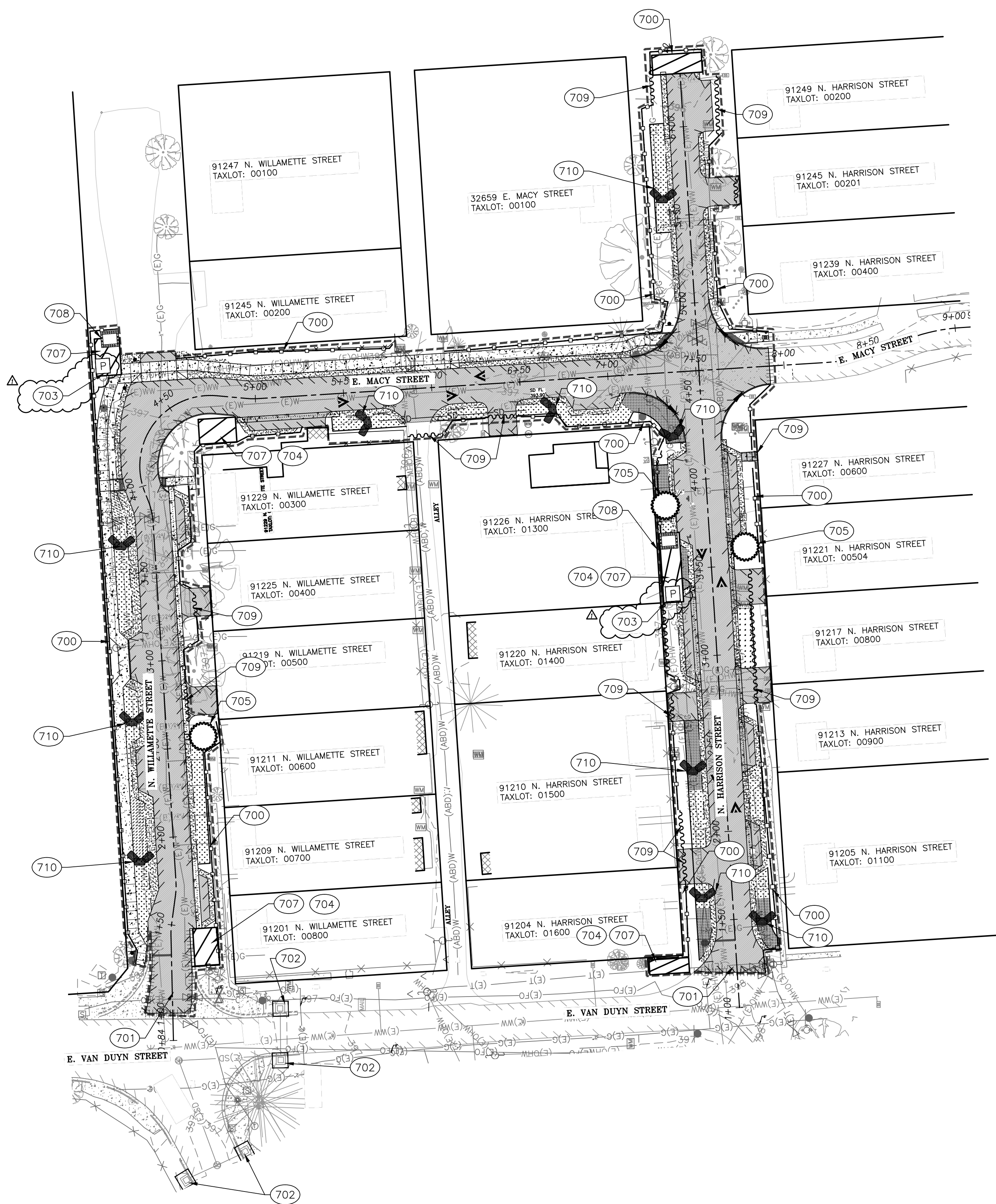
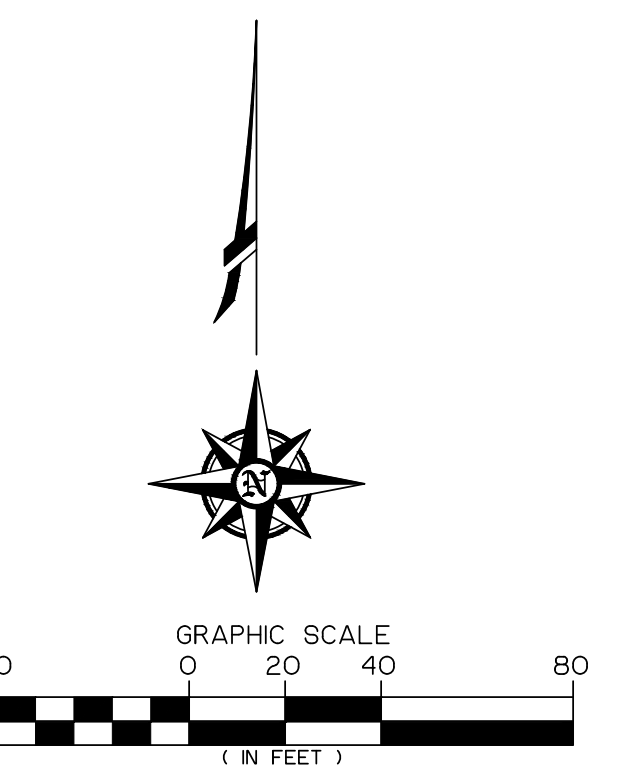
- ALL BASE ESC MEASURES MUST BE IN PLACE, FUNCTIONAL, AND APPROVED IN AN INITIAL INSPECTION, PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES.
- NO ACTIVITIES ARE PERMITTED TO OCCUR BEYOND THE CONSTRUCTION BARRIER (PERIMETER SEDIMENT FENCE).
- ADDITIONAL MEASURES INCLUDING, BUT NOT LIMITED TO, STREET SWEEPING, AND VACUUMING, MAY BE REQUIRED TO INSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.
- STOCKPILED SOIL OR STRIPPINGS SHALL BE PLACED IN A STABLE LOCATION AND CONFIGURATION. STOCKPILES SHALL BE COVERED WITH PLASTIC SHEETING OR STRAW MULCH. SEDIMENT FENCE IS REQUIRED AROUND THE PERIMETER OF THE STOCKPILE.
- EXPOSED CUT OR FILL AREAS SHALL BE STABILIZED THROUGH THE USE OF TEMPORARY SEEDING AND MULCHING, EROSION CONTROL BLANKETS OR MATS, MID-SLOPE SEDIMENT FENCES OR WATTLES, OR OTHER APPROPRIATE MEASURES.
- AREAS SUBJECT TO WIND EROSION SHALL USE APPROPRIATE DUST CONTROL MEASURES INCLUDING THE APPLICATION OF A FINE SPRAY OF WATER, PLASTIC SHEETING, STRAW MULCHING, OR OTHER APPROVED MEASURES.
- CONSTRUCTION ENTRANCES SHALL BE MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES INCLUDING, BUT NOT LIMITED TO, TIRE WASHES, STREET SWEEPING, AND VACUUMING MAY BE REQUIRED TO INSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.
- ACTIVE INLETS TO STORM WATER SYSTEMS SHALL BE PROTECTED THROUGH THE USE OF APPROVED INLET PROTECTION MEASURES. ALL INLET PROTECTION MEASURES ARE TO BE REGULARLY INSPECTED AND MAINTAINED AS NEEDED.
- SATURATED MATERIALS THAT ARE HAULED OFF-SITE MUST BE TRANSPORTED IN WATER-TIGHT TRUCKS TO ELIMINATE SPILLAGE OF SEDIMENT AND SEDIMENT-LADEN WATER.
- AN AREA SHALL BE PROVIDED FOR THE WASHING OUT OF CONCRETE TRUCKS IN A LOCATION THAT DOES NOT PROVIDE RUN-OFF THAT CAN ENTER THE STORM WATER SYSTEM. IF THE CONCRETE WASH-OUT AREA CAN NOT BE CONSTRUCTED GREATER THAN 50' FROM ANY DISCHARGE POINT, SECONDARY MEASURES SUCH AS BERMS OR TEMPORARY SETTLING PITS MAY BE REQUIRED. THE WASH-OUT SHALL BE LOCATED WITHIN SIX FEET OF TRUCK ACCESS AND BE CLEANED WHEN IT REACHES 50% OF THE CAPACITY.
- SWEEPINGS FROM EXPOSED AGGREGATE CONCRETE SHALL NOT BE TRANSFERRED TO THE STORM WATER SYSTEM. SWEEPINGS SHALL BE PICKED UP AND DISPOSED IN THE TRASH.
- INSTALL RIP-RAP PROTECTION, PER OREGON STANDARD DRAWING RD317, AS INDICATED IN THE FINAL CONSTRUCTION PLANS.
- AVOID PAVING IN WET WEATHER WHEN PAVING CHEMICALS CAN RUN-OFF INTO THE STORM WATER SYSTEM.
- USE BMPs SUCH AS CHECK-DAMS, BERMS, AND INLET PROTECTION TO PREVENT RUN-OFF FROM REACHING DISCHARGE POINTS.
- COVER CATCH BASINS, MANHOLES, AND OTHER DISCHARGE POINTS WHEN APPLYING SEAL COAT, TACK COAT, ETC. TO PREVENT INTRODUCING THESE MATERIALS TO THE STORM WATER SYSTEM.
- ROUTINE MAINTENANCE SPECIFICATIONS FOR PERIMETER CONTROLS DOCUMENTED IN THE EPSCP MUST INCLUDE SECTIONS 2.1.4, 2.1.5 AND 2.2.6 OF THE GENERAL PERMIT NPDES CONSTRUCTION STORMWATER DISCHARGE PERMIT.
- CONTRACTOR SHALL COORDINATE WITH EPSC CERTIFIED VISUAL MONITORING INSPECTOR TO DETERMINE FINAL BMP TYPE AND PLACEMENT.
- CONSTRUCTION WILL OCCUR DURING SUMMER MONTHS. DEWATERING IS NOT EXPECTED TO OCCUR. IF DEWATERING IS REQUIRED, DISCHARGE WATER TO ESTABLISHED VEGETATION IN UPLAND AREA.

EROSION CONTROL KEYNOTES

- 700 CONSTRUCT SEDIMENT FENCE AND/OR COMPOST FILTER SOCK AT LIMITS OF DISTURBANCE WHERE NECESSARY TO LIMIT SEDIMENT DRAINING ONTO PRIVATE PROPERTY. CONTRACTOR TO COORDINATE WITH EPSC CERTIFIED VISUAL MONITORING INSPECTOR FOR FINAL PLACEMENT. INSTALLATION OF BMPs PER OREGON STANDARD DRAWINGS RD1040 ON SHEET EC401 AND RD1032 ON SHEET EC400.
- 701 USE EXISTING PAVED ROAD AS CONSTRUCTION ENTRANCE/EXIT.
- 702 INSTALL TYPE 10 INLET PROTECTION FOR CURB INLET PER OREGON STANDARD DRAWING RD1010 ON SHEET EC400.
- 703 PROVIDE AND MAINTAIN PORTABLE RESTROOMS/SANITARY FACILITIES PER OSHA STANDARDS. FINAL LOCATION TBD BY CONTRACTOR.
- 704 PROVIDE DUMPSTER CONTAINERS FOR CONSTRUCTION DEBRIS. FINAL LOCATION TBD BY CONTRACTOR.
- 705 TEMPORARY STOCKPILE LOCATION. INSTALL PLASTIC SHEETING ON STOCKPILE PER ODOT TECHNICAL SERVICES DET6001 ON SHEET EC401. CONTRACTOR SHALL COORDINATE LOCATION WITH INSPECTOR PRIOR TO INSTALLATION.
- 707 TEMPORARY AREA FOR EQUIPMENT STORAGE & MAINTENANCE, MATERIAL STORAGE, STAGING, FUEL STORAGE & REFUELING, AND HAZARDOUS WASTE. SEE SPILL PREVENTION AND CONTROL NOTES ON SHEET EC000.
- 708 CONSTRUCT CONCRETE TRUCK WASH OUT PER OREGON STANDARD DRAWING RD1070 ON SHEET EC401.
- 709 DURING STORM EVENTS, INSTALL WATTLE ON DRIVEWAYS AND PEDESTRIAN ACCESSES, AS SHOWN, TO CONTROL RUN OFF. PLACE A SANDBAG AT EACH END OF WATTLE AND 3' OC TO HOLD IT IN PLACE. REMOVE FOR VEHICULAR TRAFFIC WHEN NEEDED.
- 710 PROVIDE BIO-BAG CHECK DAMS IN STORMWATER FACILITIES AND DRAINAGE WAYS PER OREGON STANDARD DRAWING RD1005 ON SHEET EC400.

EROSION CONTROL LEGEND

	PROPOSED LIMITS OF DISTURBANCE		SEDIMENT FENCE
	PROPOSED CONTOUR		WATTLE
	PROPOSED DIRECTION OF FLOW		EXISTING CONCRETE
	EQUIPMENT AND MATERIAL AREA		EXISTING BUILDING
	PORTABLE RESTROOMS		EXISTING GRAVEL
	STOCKPILE		EXISTING EDGE OF ASPHALT
	EXISTING DECIDUOUS TREE		PROPOSED CONCRETE
	EXISTING EVERGREEN TREE		PROPOSED ASPHALT
	BIO-BAG CHECK DAM		PROPOSED GRAVEL
	CONCRETE TRUCK WASH OUT		INLET PROTECTION
	PROPOSED STORMWATER FACILITY		
	PROPOSED STORMWATER DRAINAGE WAY		





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revisions:
△ REVISED SITE PLAN 5/02/24

date: APRIL 23, 2024
drawn by: ZZ
designer: JLL
project no: 21-004B.1

EPSCP: FINAL
LANDSCAPING
AND SITE
STABILIZATION

sheet: **EC300**

TEMPORARY AND PERMANENT SEED MIX NOTES

A. CONTRACTOR TO USE SUNMARK NATIVE EC MIX, AS NEEDED, FOR EXPOSED SOIL IN ALL GRADING AREAS UNTIL FINAL GRAVELED SURFACE IS PLACED. APPLY STRAW MULCH, OR APPROVED ALTERNATE TEMPORARY STABILIZATION, TO THE SEEDED AREA.

SEEDING RATE: 1 PLS LBS. PER 1000 SQ. FT.
43.63 PLS LBS. PER ACRE

SUNMARK NATIVE EC MIX		
BOTANICAL NAME	COMMON NAME	% BY WEIGHT
HORDEUM BRACHYANTHERUM	MEADOW BARLEY	40%
BROMUS CARINATUS	CALIFORNIA BROME	35%
FESTUCA RUBRA	NATIVE RED FESCUE	20%
DESCHAMPSIA CESPITOSA	TUFTED HAIRGRASS	3%
AGROSTIS EXERATA	SPIKE BENTGRASS	2%
TOTAL		100%

B. CONTRACTOR TO USE RAIN GARDEN SEED MIX OR APPROVED ALTERNATE FOR THE STORMWATER FACILITIES. APPLY STRAW MULCH TEMPORARY STABILIZATION, TO THE SEEDED AREA.

SEEDING RATE: 1 PLS LBS. PER 1000 SQ. FT.

RAIN GARDEN SEED MIX		
BOTANICAL NAME	COMMON NAME	% BY WEIGHT
EPILOBIUM DENSIFLORA	DENSE SPIKE PRIMROSE	50%
FESTUCA ROEMERI VAR. COMMUTATA	ROEMER'S FESCUE	30%
BROMUS CARINATUS	CALIFORNIA BROME GRASS	10%
AGROSTIS EXARATA	SPIKE BENTGRASS	10%

FINAL LANDSCAPING & SITE STABILIZATION PHASE GENERAL NOTES:

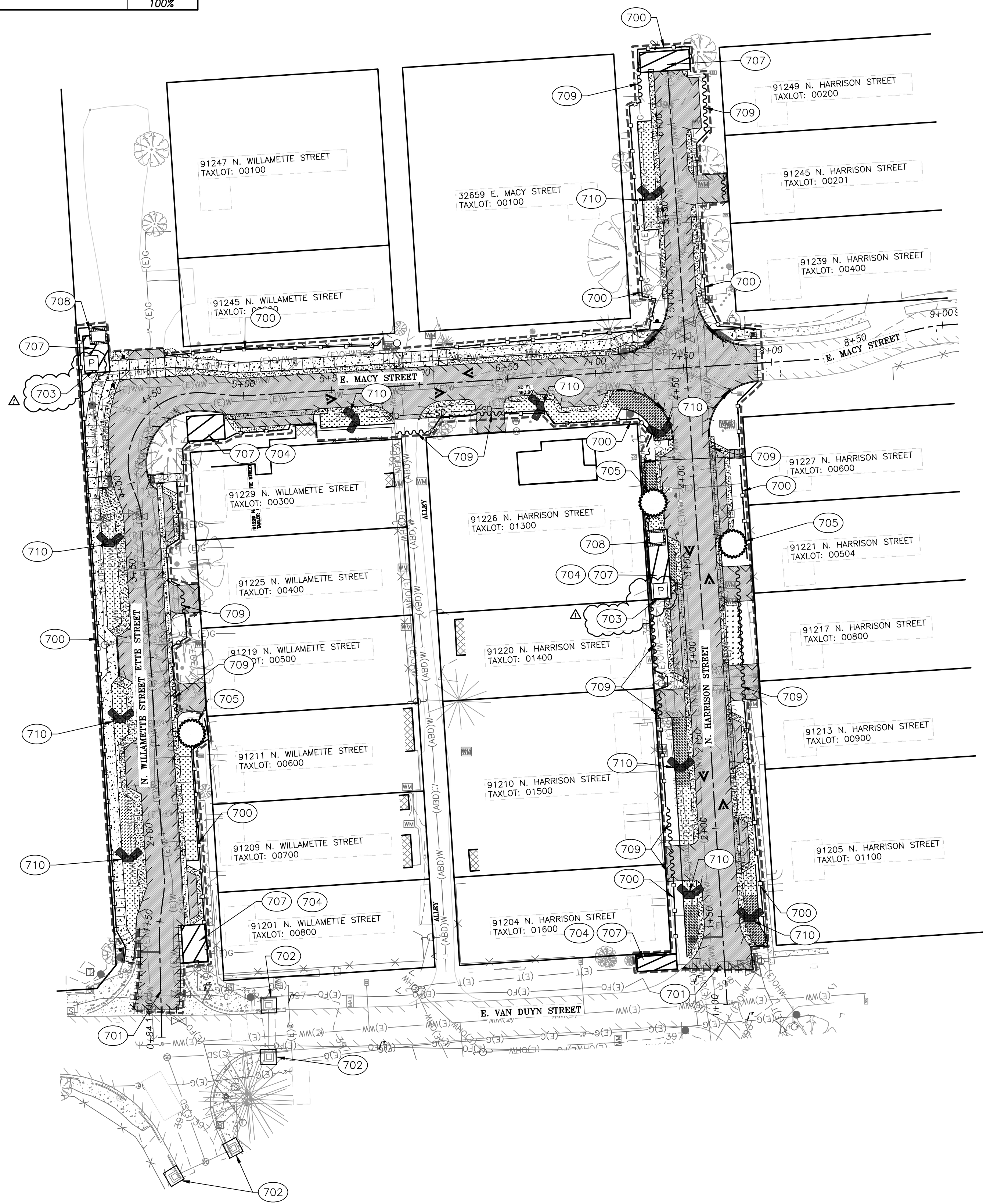
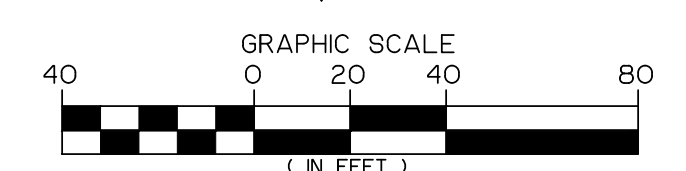
- NO ACTIVITIES ARE PERMITTED TO OCCUR BEYOND THE CONSTRUCTION BARRIER (PERIMETER SEDIMENT FENCE).
- CONSTRUCTION ENTRANCES SHALL BE MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES INCLUDING, BUT NOT LIMITED TO, STREET SWEEPING, AND VACUUMING, MAY BE REQUIRED TO INSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.
- SEED USED FOR TEMPORARY OR PERMANENT SEEDING PER SEED MIX TABLE SHOWN ON THIS SHEET.
- SLOPE TO RECEIVE TEMPORARY OR PERMANENT SEEDING SHALL HAVE THE SURFACE ROUGHENED BY MEANS OF TRACK-WALKING OR THE USE OF OTHER APPROVED IMPLEMENTS. SURFACE ROUGHENING IMPROVES SEED BEDDING AND REDUCES RUN-OFF VELOCITY.
- LONG TERM SLOPE STABILIZATION MEASURES SHALL INCLUDE THE ESTABLISHMENT OF PERMANENT VEGETATIVE COVER VIA SEEDING WITH APPROVED MIX AND APPLICATION RATE.
- ALL INLET PROTECTION MEASURES ARE TO BE REGULARLY INSPECTED AND MAINTAINED AS NEEDED.
- SATURATED MATERIALS THAT ARE HAULED OFF-SITE MUST BE TRANSPORTED IN WATER-TIGHT TRUCKS TO ELIMINATE SPILLAGE OF SEDIMENT AND SEDIMENT-LADEN WATER.
- SWEEPINGS FROM EXPOSED AGGREGATE CONCRETE SHALL NOT BE TRANSFERRED TO THE STORM WATER FACILITIES. SWEEPINGS SHALL BE PICKED UP AND DISPOSED IN THE TRASH.
- USE BMPs SUCH AS CHECK-DAMS, BERMS, AND INLET PROTECTION TO PREVENT RUN-OFF FROM REACHING DISCHARGE POINTS.
- STORM WATER FACILITIES SHALL BE CONSTRUCTED AND LANDSCAPED PRIOR TO THE STORM WATER SYSTEM FUNCTIONING.
- ROUTINE MAINTENANCE SPECIFICATIONS FOR PERIMETER CONTROLS DOCUMENTED IN THE EPSCP MUST INCLUDE SECTIONS 2.1.4, 2.1.5 AND 2.2.6 OF THE GENERAL PERMIT NPDES CONSTRUCTION STORMWATER DISCHARGE PERMIT.
- CONTRACTOR SHALL COORDINATE WITH EPSC CERTIFIED VISUAL MONITORING INSPECTOR TO DETERMINE FINAL BMP TYPE AND PLACEMENT.
- STABILIZE EXPOSED SOIL AFTER EXCAVATION AND PRIOR TO PLACEMENT OF GRAVEL WITH STRAW MULCH, HYDROSEED, OR APPROVED ALTERNATE. SEE TEMPORARY SEED MIX NOTES.
- ENSURE THAT PERMANENT SEEDING IS DONE WITHIN THE TIME FRAMES SET IN SECTION 01030 (SEEDING) OF THE OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION 2024.
- CONSTRUCTION WILL OCCUR DURING SUMMER MONTHS. DEWATERING IS NOT EXPECTED TO OCCUR. IF DEWATERING IS REQUIRED, DISCHARGE WATER TO ESTABLISHED VEGETATION IN UPLAND AREA.
- CONTRACTOR TO COORDINATE WITH THE CITY OF COBURG PUBLIC WORKS DIRECTOR FOR FINAL PLACEMENT OF PROPOSED STREET TREE.

EROSION CONTROL KEYNOTES

- 700 CONSTRUCT SEDIMENT FENCE AND/OR COMPOST FILTER SOCK AT LIMITS OF DISTURBANCE WHERE NECESSARY TO LIMIT SEDIMENT DRAINING ONTO PRIVATE PROPERTY. CONTRACTOR TO COORDINATE WITH EPSC CERTIFIED VISUAL MONITORING INSPECTOR FOR FINAL PLACEMENT. INSTALLATION OF BMPs PER OREGON STANDARD DRAWINGS RD1040 ON SHEET EC401 AND RD1032 ON SHEET EC400.
- 701 USE EXISTING PAVED ROAD AS CONSTRUCTION ENTRANCE/EXIT.
- 702 INSTALL TYPE 10 INLET PROTECTION FOR CURB INLET PER OREGON STANDARD DRAWING RD1010 ON SHEET EC400. REMOVE AFTER FINAL PAVING, SWEEPING, VACUUMING, SEEDING, AND MULCHING IS COMPLETE.
- 703 PORTABLE RESTROOMS/SANITARY FACILITIES PER OSHA STANDARDS. FINAL LOCATION TBD BY CONTRACTOR. REMOVE AFTER FINAL INSPECTION/APPROVAL.
- 704 DUMPSTER CONTAINERS FOR CONSTRUCTION DEBRIS. FINAL LOCATION TBD BY CONTRACTOR. REMOVE AFTER FINAL INSPECTION/APPROVAL.
- 705 TEMPORARY STOCKPILE LOCATION. INSTALL PLASTIC SHEETING ON STOCKPILE PER ODOT TECHNICAL SERVICES DETAIL DET6001 ON SHEET EC401. CONTRACTOR SHALL COORDINATE LOCATION WITH INSPECTOR PRIOR TO INSTALLATION. REMOVE AFTER FINAL INSPECTION/APPROVAL.
- 707 TEMPORARY AREA FOR EQUIPMENT STORAGE & MAINTENANCE, MATERIAL STORAGE, STAGING, FUEL STORAGE & REFUELING, AND HAZARDOUS WASTE. SEE SPILL PREVENTION AND CONTROL NOTES ON SHEET EC000. REMOVE AFTER FINAL INSPECTION/APPROVAL.
- 708 CONSTRUCT CONCRETE TRUCK WASH OUT PER OREGON STANDARD DRAWING RD1070 ON SHEET EC401. REMOVE AFTER FINAL PAVING IS COMPLETE.
- 709 DURING STORM EVENTS, INSTALL WATTLE ON DRIVEWAYS AND PEDESTRIAN ACCESSSES, AS SHOWN, TO CONTROL RUN OFF. PLACE A SANDBAG AT EACH END OF WATTLE AND 3' ON CENTER TO HOLD IT IN PLACE. REMOVE FOR VEHICULAR TRAFFIC WHEN NEEDED.
- 710 PROVIDE BIO-BAG CHECK DAMS IN STORMWATER FACILITIES AND DRAINAGE WAYS PER OREGON STANDARD DRAWING RD1005 ON SHEET EC400. REMOVE AFTER FINAL LANDSCAPING VEGETATION IS ESTABLISHED.

EROSION CONTROL LEGEND

	PROPOSED LIMITS OF DISTURBANCE		SEDIMENT FENCE
	PROPOSED CONTOUR		WATTLE
	PROPOSED DIRECTION OF FLOW		EXISTING CONCRETE
	EQUIPMENT AND MATERIAL AREA		EXISTING BUILDING
	PORTABLE RESTROOMS		EXISTING GRAVEL
	STOCKPILE		EXISTING EDGE OF ASPHALT
	EXISTING DECIDUOUS TREE		PROPOSED CONCRETE
	EXISTING EVERGREEN TREE		PROPOSED ASPHALT
	BIO-BAG CHECK DAM		PROPOSED GRAVEL
	CONCRETE TRUCK WASH OUT		INLET PROTECTION
	PROPOSED TREE, SEE GENERAL NOTE 16		
	PROPOSED STORMWATER FACILITY		
	PROPOSED STORMWATER DRAINAGE WAY		



SECTION A-A
SLOPED OR PROJECTING END

SECTION B-B
SLOPED END WITH SLOPE PAVING

SECTION C-C
HEADWALL AND WINGWALLS

EMBANKMENT PROTECTION

TABLE A - Embankment Slope Protection

Riprap Class	T Distance
S0	12 Inches
100	18 Inches
200	24 Inches *
700	36 Inches *

* Riprap geotextile required between riprap and embankment

TABLE B - Riprap Pad Dimensions

Riprap Class	L * (ft)	T (ft)
S0	48 or 1.3	2.3
100	48 or 1.6	3.3
200	48 or 2.0	4.3
700	48 or 3.3	5.6

* L is the greater of 48 or the listed dimension.

GENERAL NOTES FOR ALL DETAILS:

- See Std. Drg's. RD300 & RD304 for installation details.
- Open ends of pipes normally require a site specific design, and may require special treatment (sloped ends, culvert embankment protection, paved end slopes, safety end sections, or other measures). See special details or Standard Drawings as called for on plans.

**OREGON STANDARD DRAWINGS
CULVERT EMBANKMENT PROTECTION AND RIPRAP PADS
2024**

DATE: _____ REVISION: _____ DESCRIPTION: _____
CALC. BOOK NO. N/A SDR DATE: 30-JUN-2023 RD317

Effective Date: December 1, 2023 - May 31, 2024

TYPICAL PROFILE SECTION CHECK DAMS (SHOWN WITH AGGREGATE)
NOT TO SCALE

AGGREGATE CHECK DAM - TYPE 1
NOT TO SCALE

SANDBAG CHECK DAM - TYPE 4
NOT TO SCALE

MAXIMUM CHECK DAM SPACING "L"

Ditch Grade	H=8"	H=12"	H=18"	H=24"
10%	15'	15'	15'	20'
5%	18'	18'	23'	28'
2%	21'	21'	28'	33'
0%	20'	30'	40'	40'
4%	16'	25'	37'	50'
3%	22'	33'	50'	66'
2%	33'	50'	75'	100'

** Not allowed H = Min. dam height

**OREGON STANDARD DRAWINGS
CHECK DAMS TYPE 1, 3 AND 4
2024**

DATE: _____ REVISION: _____ DESCRIPTION: _____
CALC. BOOK NO. N/A SDR DATE: 20-JAN-2023 RD1005

Effective Date: December 1, 2023 - May 31, 2024

GEOTEXTILE/WIRE MESH/AGGREGATE - TYPE 2
NOT TO SCALE

PREFABRICATED FILTER INSERT - TYPE 3
NOT TO SCALE

SOD PROTECTION - TYPE 6
NOT TO SCALE

AREA DRAIN PERSPECTIVE VIEW

CURB INLET SEDIMENT DAM - TYPE 10
NOT TO SCALE

WATTLE BARRIER WITH FILTER INSERT - TYPE 11
NOT TO SCALE

COMPOST FILTER SOCK OR WATTLE - TYPE 7
NOT TO SCALE

**OREGON STANDARD DRAWINGS
INLET PROTECTION TYPE 2, 3, 6, 7, 10 AND 11
2024**

DATE: _____ REVISION: _____ DESCRIPTION: _____
CALC. BOOK NO. N/A SDR DATE: 20-JAN-2023 RD1010

Effective Date: December 1, 2023 - May 31, 2024

SLOPE APPLICATION - PERSPECTIVE VIEW

COMPOST FILTER SOCK DIAMETER AND SPACING BASED ON SLOPE

SLOPE	SPACING (ft)	DIAMETER (in)
<1:50	250	8
1:50 - 1:10	125	12
1:10 - 1:5	100	12
1:5 - 1:2	50	18
>1:2	25	18

**OREGON STANDARD DRAWINGS
SEDIMENT BARRIER TYPE 8
2024**

DATE: _____ REVISION: _____ DESCRIPTION: _____
CALC. BOOK NO. N/A SDR DATE: 20-JAN-2023 RD1032

Effective Date: December 1, 2023 - May 31, 2024

30-JUN-2022 RD317.dwg 20-JAN-2021 RD1010.dwg 20-JAN-2021 RD1032.dwg

RD1040.dgn 20-JAN-2021

SEDIMENT FENCE AND GEOTEXTILE BURY DETAIL - TYPE 1
NOT TO SCALE

ALTERNATE SEDIMENT FENCE WITHOUT TRENCHING - TYPE 2
NOT TO SCALE

NOTES:
1. Use must be approved by the engineer.
2. Not approved for use with sediment fencing with sewn-in post sleeves.

GENERAL NOTES:
1. Use 2"x2" wood fence posts.
2. Posts to be installed on downhill side of sediment fence geotextile. Position posts to prevent separation from geotextile.
3. Compact filter fabric trench backfill and soil on uphill side of fence.
4. Locate fence no closer than three feet to the toe of a slope.
5. Wing spacing shall comply with "Fence Spacing for General Application Table".

FENCE SPACING FOR GENERAL APPLICATION TABLE	
GRADE	MAXIMUM SPACING ON GRADE
Grade < 10%	300'
10% < Grade < 15%	150'
15% < Grade < 20%	100'
20% < Grade < 30%	50'
30% < Grade	25'

POST SPACING TABLE

6"	Sediment Fence with Geotextile elongation less than 50%
4"	Sediment Fence with Geotextile elongation 50% or more

GEOTEXTILE WITH POST SLEEVES
TURNED ENDS CONNECTION
POST SPACING OVERLAP CONNECTION

GEOTEXTILE END CONNECTIONS
NOT TO SCALE

The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without first consulting a Registered Professional Engineer.

OREGON STANDARD DRAWINGS	
SEDIMENT FENCE	
2024	
DATE	REVISION DESCRIPTION
01-2024	ISSUED CALC BOOK NUMBER
CALC. BOOK NO.	N/A
SDR. DATE	20-JAN-2024
	RD1040

Effective Date: December 1, 2023 - May 31, 2024

RD1070.dgn 20-JAN-2021

CONCRETE TRUCK WASH OUT FACILITY
NOT TO SCALE

STAPLE DETAIL
NOT TO SCALE

The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without first consulting a Registered Professional Engineer.

OREGON STANDARD DRAWINGS	
CONCRETE TRUCK WASH OUT	
2024	
DATE	REVISION DESCRIPTION
CALC. BOOK NO.	N/A
SDR. DATE	20-JAN-2024
	RD1070

Effective Date: December 1, 2023 - May 31, 2024

DET6001.dgn 01-Jan-2015

TOP OF SLOPE TIE DOWN
SLOPES
STOCKPILE

STAPLE DETAIL
PIN STAPLE

NOTES:
1. Install plastic sheeting vertically down slope.
2. Install plastic sheeting so edges overlap and are shingled away from prevailing winds.

The selection and use of this detail while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without consulting a Registered Professional Engineer.

OREGON DEPARTMENT OF TRANSPORTATION TECHNICAL SERVICES DETAILS	
PLASTIC SHEETING	
DETAIL NO.	
	DET6001