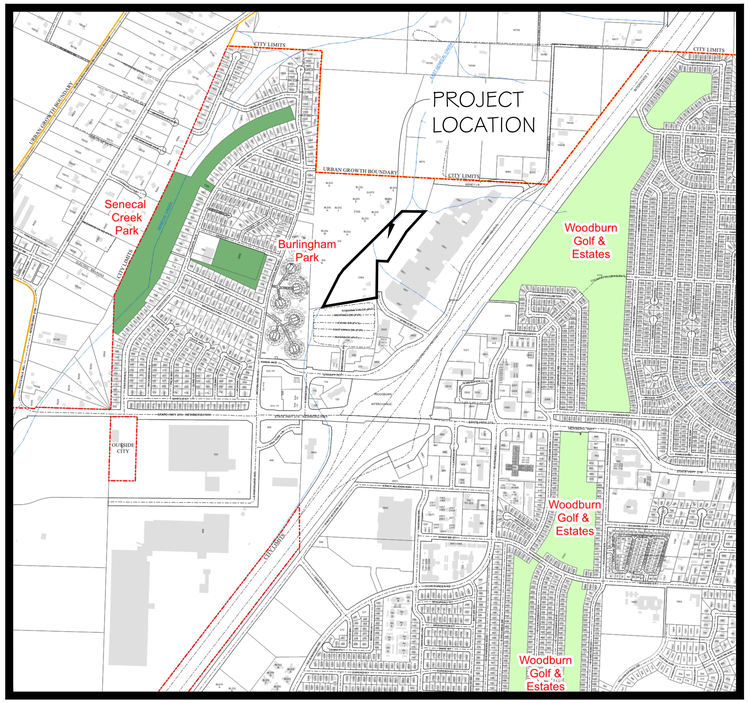
I 200C STORMWATER SUBMISSION

FOR

COBALT DEVELOPMENT, LLC - WORKFORCE MULTIFAMILY

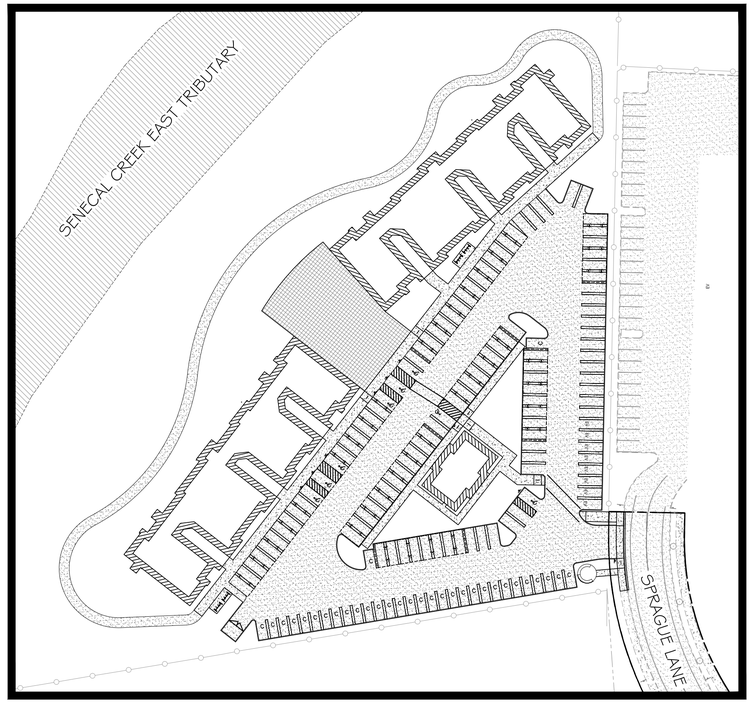
WOODBURN, MARION COUNTY, OREGON

AUGUST 2023



OVERALL VICINITY MAP

NTS



SITE MAP

1" = 60'

I 200C DRAWING SHEET INDEX

SHEET NUMBER	SHEET TITLE
CE-0.01	COVER SHEET
CE-0.03	EROSION AND SEDIMENT CONTROL NOTES
CE-0.05	SITE DESCRIPTION, BMP MATRIX AND DRAWING LEGEND
CE-0.07	50-FT BUFFER ANALYSIS
CE-1.01	EXISITING CONDITIONS
CE-1.02	GRADING PLAN - CREEK PHASE
CE-1.03	GRADING AND EXCAVATION (SUBGRADE) PLAN
CE-1.05	STORMWATER SYSTEM AND UTILITY CONSTRUCTION PLAN
CE-1.07	VERTICAL CONSTRUCTION PLAN
CE-1.09	FINAL GRADING AND PAVING PLAN
CE-5.01	EROSION AND SEDIMENT CONTROL DETAILS
CE-5.03	EROSION AND SEDIMENT CONTROL DETAILS

811

Know what's **below.**
Call before you dig.

ATTENTION:
OREGON LAW REQUIRES YOU TO FOLLOW RULES ADOPTED BY THE OREGON UTILITY NOTIFICATION CENTER. THOSE RULES ARE SET FORTH IN OAR 952-001-0010 THROUGH 952-001-0090. YOU MAY OBTAIN COPIES OF THE RULES BY CALLING THE CENTER AT (503) 232-1987.

PROJECT CONTACTS AND INFORMATION

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DESIGN ENGINEER:
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PROJECT LOCATION:
SPRAGUE LANE
WOODBURN, MARION COUNTY, OREGON
LATITUDE = 45° 9'19" N
LONGITUDE = 122°52'55" W
TOWNSHIP: 5S
RANGE: 2W
SECTION: 12
QUARTER: NW 1/4 OF NE 1/4
TAX LOT: 3201 DO 00607

ATTENTION EXCAVATORS

OREGON LAW REQUIRES YOU TO FOLLOW RULES ADOPTED BY THE OREGON UTILITY NOTIFICATION CENTER. THOSE RULES ARE SET FORTH IN OAR 952-001-0010 THROUGH OAR 952-001-0090. YOU MAY OBTAIN COPIES OF THESE RULES FROM THE CENTER BY CALLING 503-232-1987. IF YOU HAVE ANY QUESTIONS ABOUT THE RULES, YOU MAY CONTACT THE CENTER. YOU MUST NOTIFY THE CENTER AT LEAST TWO BUSINESS DAYS BEFORE COMMENCING AN EXCAVATION. CALL 503-246-6699.

CIVIL ENGINEERS
LAND SURVEYORS
PROJECT MANAGERS
PLANNERS
www.pdgnw.com

REGISTERED PROFESSIONAL ENGINEER
62679PE
DIGITALLY SIGNED
OREGON
NOV. 9, 1999
KEITH WHISENHUNT

EXPIRES: JUNE 30, 2024

Keith Whisenhunt

Digitally signed by Keith Whisenhunt
DN: cn=Keith Whisenhunt, o=US, Project Delivery Group, LLC, email=pdg@pdgnw.com
Date: 2023.08.22 09:21:13 -07'00'

COBALT DEVELOPMENT, LLC

WORKFORCE MULTIFAMILY

I 200C STORMWATER SUBMISSION

WOODBURN, OREGON

REASON FOR ISSUANCE

NO.	DESCRIPTION	DATE	BY
1	SUBMIT I 200C APPLICATION	1/23/23	KW
2	EDIT SHEETS CE-0.01 AND CE-0.05	3/2/23	KW
3	ADD 50-FT BUFFER ANALYSIS	6/20/23	KW
4	ADD CREEK PHASE GRADING PLAN SHEET	7/7/23	KW
5	ADDRESSED PLAN CHECK COMMENTS	7/7/23	KW
6	APPROVED BY DEQ	8/22/23	KW

SHEET TITLE:

COVER SHEET

CE-0.01

P:\2022 Projects\2023 Woodburn Multi-Family\The CAD\Civil\ESC Drawings\2023_General_ESC.dwg 8/22/2023 9:14:26 AM

STANDARD EROSION AND SEDIMENT CONTROL PLAN DRAWING NOTES

1. 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 THE LIST AS APPROPRIATE UNTIL PERMIT COVERAGE IS TERMINATED (SECTION 4.4.C.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.C.II)
2. VISUAL MONITORING INSPECTION REPORTS MUST BE MADE IN ACCORDANCE WITH DEQ 1200-C PERMIT REQUIREMENTS. (SECTION 6.5)
3. INSPECTION LOGS MUST BE KEPT IN ACCORDANCE WITH DEQ'S 1200-C PERMIT REQUIREMENTS. (SECTION 6.5.Q)
4. 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)
5. 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)
6. THE ESCP MUST BE ACCURATE AND REFLECT SITE CONDITIONS. (SECTION 4.8)
7. 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)
8. SEQUENCE CLEARING AND GRADING TO THE MAXIMUM EXTENT PRACTICAL TO PREVENT EXPOSED INACTIVE AREAS FROM BECOMING A SOURCE OF EROSION. (SECTION 2.2.2)
9. CREATE SMOOTH SURFACES BETWEEN SOIL SURFACE AND EROSION AND SEDIMENT CONTROLS TO PREVENT STORMWATER FROM BYPASSING CONTROLS AND PONDING. (SECTION 2.2.3)
10. 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)
11. 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)
12. MAINTAIN AND DELINEATE ANY EXISTING NATURAL BUFFER WITHIN THE 50-FEET OF WATERS OF THE STATE. (SECTION 2.2.4)
13. INSTALL PERIMETER SEDIMENT CONTROL, INCLUDING STORM DRAIN INLET PROTECTION AS WELL AS ALL SEDIMENT BASINS, TRAPS, AND REV. 12/15/20 PAGE 8 OF 9 BY: BLAIR EDWARDS BARRIERS PRIOR TO LAND DISTURBANCE. (SECTIONS 2.1.3)
14. 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)
15. 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)
16. ESTABLISH CONCRETE TRUCK AND OTHER CONCRETE EQUIPMENT WASHOUT AREAS BEFORE BEGINNING CONCRETE WORK. (SECTION 2.2.14)
17. 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)
18. ESTABLISH MATERIAL AND WASTE STORAGE AREAS, AND OTHER NON-STORMWATER CONTROLS. (SECTION 2.3.7)
19. 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)
20. 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)
21. WHEN TRUCKING SATURATED SOILS FROM THE SITE, EITHER USE WATER-TIGHT TRUCKS OR DRAIN LOADS ON SITE. (SECTION 2.2.7.F)
22. 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)
23. ENSURE THAT STEEP SLOPE AREAS WHERE CONSTRUCTION ACTIVITIES ARE NOT OCCURRING ARE NOT DISTURBED. (SECTION 2.2.10)
24. PREVENT SOIL COMPACTION IN AREAS WHERE POST-CONSTRUCTION INFILTRATION FACILITIES ARE TO BE INSTALLED. (SECTION 2.2.12)
25. 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)
26. 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)
27. IF ENGINEERED SOILS ARE USED ON SITE, A SEDIMENTATION BASIN/IMPOUNDMENT MUST BE INSTALLED. (SEE SECTIONS 2.2.17 AND 2.2.18)
28. PROVIDE A DEWATERING PLAN FOR ACCUMULATED WATER FROM PRECIPITATION AND UNCONTAMINATED GROUNDWATER SEEPAGE DUE TO SHALLOW EXCAVATION ACTIVITIES. (SEE SECTION 2.4)
29. 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)
30. USE WATER, SOIL-BINDING AGENT OR OTHER DUST CONTROL TECHNIQUE AS NEEDED TO AVOID WIND-BLOWN SOIL. (SECTION 2.2.9)
31. 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)
32. 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) 33. 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)
34. 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)
35. 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)
36. 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)
37. 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)
38. 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)
39. 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)
40. DOCUMENT ANY PORTION(S) 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.)
41. 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)
42. 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)

GRADING, UTILITY, AND STREET EROSION CONTROL NOTES:

1. SEED USED FOR TEMPORARY OR PERMANENT SEEDING SHALL BE COMPOSED OF ONE OF THE FOLLOWING MIXTURES, UNLESS OTHERWISE AUTHORIZED:
   A. DWARF GRASS MIX (MIN. 100 LB./AC.)
      1. DWARF PERENNIAL RYEGRASS (80% BY WEIGHT)
      2. CREEPING RED FESCUE (20% BY WEIGHT)
   B. STANDARD HEIGHT GRASS MIX (MIN. 100LB./AC.)
      1. ANNUAL RYEGRASS (40% BY WEIGHT)
      2. TURF-TYPE FESCUE (60% BY WEIGHT)
2. 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.
3. LONG TERM SLOPE STABILIZATION MEASURES SHALL INCLUDE THE ESTABLISHMENT OF PERMANENT VEGETATIVE COVER VIA SEEDING WITH APPROVED MIX AND APPLICATION RATE.
4. TEMPORARY SLOPE STABILIZATION MEASURES SHALL INCLUDE: COVERING EXPOSED SOIL WITH PLASTIC SHEETING, STRAW MULCHING, WOOD CHIPS, OR OTHER APPROVED MEASURES.
5. STOCKPILED SOIL OR STRIPPINGS SHALL BE PLACED IN A STABLE LOCATION AND CONFIGURATION. DURING "WET WEATHER" PERIODS, STOCKPILES SHALL BE COVERED WITH PLASTIC SHEETING OR STRAW MULCH. SEDIMENT FENCE IS REQUIRED AROUND THE PERIMETER OF THE STOCKPILE.
6. 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. SLOPES EXCEEDING 25% MAY REQUIRE ADDITIONAL EROSION CONTROL MEASURES.
7. 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.
8. CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES INCLUDING, BUT NOT LIMITED TO, TIRE WASHES, STREET SWEEPING, AND VACUUMING MAY BE BE REQUIRED TO INSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.
9. ACTIVE INLETS TO STORM WATER SYSTEMS SHALL BE PROTECTED THROUGH THE USE OF APPROVED INLET PROTECTION MEASURES. INLET PROTECTION MEASURES ARE TO BE REGULARLY INSPECTED AND MAINTAINED AS NEEDED.
10. SATURATED MATERIALS HAULED OFF-SITE MUST BE TRANSPORTED IN WATER-TIGHT TRUCKS TO ELIMINATE SPILLAGE OF SEDIMENT AND SEDIMENT-LADEN WATER.
11. 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.
12. SWEEPINGS FROM EXPOSED AGGREGATE CONCRETE SHALL NOT BE TRANSFERRED TO THE STORM WATER SYSTEM. SWEEPINGS SHALL BE PICKED UP AND DISPOSED IN THE TRASH.
13. AVOID PAVING IN WET WEATHER WHEN PAVING CHEMICALS CAN RUN-OFF INTO THE STORMWATER SYSTEM.
14. USE BMPS SUCH AS CHECK-DAMS, BERMS, AND INLET PROTECTION TO PREVENT RUN-OFF FROM REACHING DISCHARGE POINTS.
15. 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
16. TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL MEASURES SHALL BE USED AS NEEDED. THE CONTRACTOR SHALL ADHERE TO CONTROLLING AGENCY'S STANDARDS FOR CONTROL MEASURES.

EROSION AND SEDIMENT CONTROL BMP IMPLEMENTATION:

1. ALL BASE ESC MEASURES (INLET PROTECTION, PERIMETER SEDIMENT CONTROL, GRAVEL CONSTRUCTION ENTRANCES, ETC.) MUST BE IN PLACE, FUNCTIONAL, AND APPROVED IN AN INITIAL INSPECTION, PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES.
2. SEDIMENT BARRIERS TO BE INSTALLED AFTER GRADING SHALL BE INSTALLED IMMEDIATELY FOLLOWING ESTABLISHMENT OF FINISHED GRADE AS SHOWN ON THESE PLANS.
3. LONG TERM SLOPE STABILIZATION MEASURES, INCLUDING MATTING, SHALL BE IN PLACE OVER EXPOSED SOILS BY OCTOBER 1.
4. INLET PROTECTION SHALL BE IN PLACE IMMEDIATELY FOLLOWING PAVING ACTIVITIES.
5. REFER TO EROSION AND SEDIMENT CONTROL PLAN DRAWING FOR DETAILED STEPS REGARDING MINIMIZING SEDIMENT TRANSPORT FROM THE SITE.
6. TO LEAVE SURFACE IN A ROUGHENED CONDITION TO PROVIDE TEMPORARY SOIL STABILIZATION AND TO AUGMENT FUTURE EROSION CONTROL PLACEMENT, SLOPES SHALL BE HORIZONTALLY TRACKED PRIOR TO FINAL SLOPE STABILIZATION.

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PLANNERS
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REGISTERED PROFESSIONAL ENGINEER
62679PE
DIGITALLY SIGNED
OREGON
NOV. 9, 1999
KEITH WHISENHUNT
EXPIRES: JUNE 30, 2024

DATE SIGNED: 8/22/23

COBALT DEVELOPMENT, LLC

WORKFORCE MULTIFAMILY
1200C STORMWATER SUBMISSION

WOODBURN, OREGON

REASON FOR ISSUANCE

NO.	DESCRIPTION	DATE	BY
1	SUBMIT 1200C APPLICATION	1/23/23	KW
2	EDIT SHEETS CE-0.01 AND CE-0.05	3/2/23	KW
3	ADD 50-FT BUFFER ANALYSIS	6/20/23	KW
4	ADD CREEK PHASE GRADING PLAN SHEET	7/7/23	KW
5	ADDRESSED PLAN CHECK COMMENTS	7/7/23	KW
6	APPROVED BY DEQ	8/22/23	KW

SHEET TITLE:

EROSION AND SEDIMENT CONTROL NOTES

CE-0.03

RAIN GAUGE:

AURORA STATE AIRPORT
HYPERLINK: https://w1.weather.gov/data/obhistory/KUAO.html

SITE INFORMATION

1. TYPE OF DEVEOPMENT

- MULTIFAMILY DEVELOPMENT

2. CONSTRUCTION ACTIVITY WILL CONSIST OF:

A. CURB, ASPHALT PAVING, AND SIDEWALK CONSTRUCTION
B. TWO APARTMENT BUILDINGS AND CLUBHOUSE BUILDING
C. STORMWATER SYSTEM CONSTRUCTION
   - STORMWATER PIPING AND DETENTION
D. SANITARY SEWER EXTENSION AND CONSTRUCTION
E. DOMESTIC WATER EXTENSION AND CONSTRUCTION
F. OFFSITE PUBLIC IMPROVEMENTS

3. PROJECT TIMELINE (SEE DETAILED SCHEDULE BELOW)

- BEGINNING DATE : AUGUST 2023
- COMPLETION DATE: JUNE 2024

4. PROJECT SITE AREAS

- TOTAL SITE AREA = 8.9 Ac.
- TOTAL DISTURBED AREA = 3.31 Ac.

5. OFFSITE PUBLIC IMPROVEMENT AREA:

- IMPROVEMENT LENGTH: 58 LF (RECONSTRUCT DRIVEWAY)
- CONNECT TO PUBLIC UTILITES

6. ONSITE SOIL TYPES:

A. WOODBURN SILT LOAM-HYDROLOGIC GROUP C-100%

7. CUT AND FILL DATA:

- CUT: 1,836 CY (NOT INCLUDING TRENCH SPOILS)
- FILL (1.15 FACTOR): 6,705 CY
- NET ADJUSTED: 4,869 CY (FILL)

8. RECEIVING WATER BODY:

- SENECAL CREEK EAST TRIBUTARY - SENECAL CREEK IS ON THE 303D LIST FOR TEMPERATURE (HIGH), GUTHION (LOW), INORGANIC ARSENIC (LOW), AND BIOCRITERIA (LOW)

PERMITTEE'S SITE INSPECTOR:

STUART CROSBY
CESCL #81983, EXPIRES 11/06/2025
FIRM: PROJECT DELIVERY GROUP, LLC
PHONE: (503) 364-4004
E-MAIL: STUC@PDGNW.COM
DESCRIPTION OF EXPERIENCE: 25 YEARS OF EXPERIENCE IN THE PREPARATION AND REVIEW OF EROSION CONTROL PLANS AND THE INSPECTION OF SITES.

NATURE OF CONSTRUCTION ACTIVITY AND ESTIMATED TIMETABLE

PROJECT ACTIVITIES	APPROXIMATE START
PLACE PRECONSTRUCTION BMP'S	AUGUST 2023
CLEAR & GRUB "CREEK" PHASE AND CUT AREAS	AUGUST 2023
PLACE FILL MATERIAL IN "CREEK" PHASE	AUGUST 2023
PLACE SEED AND STRAW MULCH ON "CREEK" PHASE	AUGUST 2023
CLEAR & GRUB FILL AREAS	SEPTEMBER 2023
CONSTRUCT SUBGRADE IN "PARKING" PHASE	SEPTEMBER 2023
EXCAVATE AND PLACE BUILDING 1 & 2 FOOTINGS	SEPTEMBER 2023
EXCAVATE AND PLACE CLUBHOUSE BUILDING FOOTINGS	OCTOBER 2023
PLACE AGGREGATE BASE FOR WINTER WORK	OCTOBER 2023
CONSTRUCT BUILDINGS 1 & 2	NOVEMBER 2023 TO MAY 2024
CONSTRUCT SANITARY SEWER PIPING	OCTOBER 2023
CONSTRUCT STORM SEWER PIPING	OCTOBER 2023
CONSTRUCT WATER PIPING	NOVEMBER 2023
CONSTRUCT DRY UTILITIES/PARKING LOT LIGHTING	NOVEMBER 2023
CONSTRUCT CLUBHOUSE	JANUARY 2024 TO MAY 2024
CONSTRUCT CURB & SIDEWALK	JANUARY 2024 TO MARCH 2024
FINE GRADE SUBGRADE	APRIL 2024
PLACE AGGREGATE BASE IN PARKING AREA	APRIL 2024
PAVE PARKING AREA AND TRAIL	MAY 2024
PLACE FINAL LANDSCAPING	MAY 2024
CLOSE OUT 1200C PERMIT	JUNE 2024

BMP MATRIX FOR CONSTRUCTION PHASES

CONSTRUCTION PHASE	BMP	MONTH/YEAR 8/23	9/23	10/23	11/23	12/23	1/24	2/24	3/24	4/24	5/24	6/24
PLACE PRECONSTRUCTION BMP'S												
	INSTALL CONSTRUCTION ENTRANCE @ SPRAGUE LANE	x										
	INSTALL SILT FENCE @ LOWER EDGE OF DISTURBED AREA	x										
	INSTALL SILT FENCE @ WETLAND BOUNDARY	x										
	INSTALL SILT FENCE @ TOP OF "CREEK" PHASE SLOPE	x										
	INSTALL INLET PROTECTION AT OFF-SITE CATCH BASINS	x										
CLEAR & GRUB "CREEK" PHASE AND CUT AREAS; PLACE FILL MATERIAL IN "CREEK" PHASE												
	MAINTAIN CONSTRUCTION ENTRANCE @ SPRAGUE LANE	x	x	x	x	x	x	x	x	x		
	MAINTAIN SILT FENCE @ LOWER EDGE OF DISTURBED AREA	x	x	x	x	x	x	x	x	x		
	MAINTAIN SILT FENCE @ WETLAND BOUNDARY	x	x	x	x	x	x	x	x	x	x	
	MAINTAIN SILT FENCE @ TOP OF "CREEK" PHASE SLOPE	x	x	x	x	x	x	x	x	x	x	
	MAINTAIN INLET PROTECTION AT OFF-SITE CATCH BASINS	x	x	x	x	x	x	x	x	x	x	
PLACE SEED AND MULCH ON "CREEK" PHASE												
	MAINTAIN CONSTRUCTION ENTRANCE @ SPRAGUE LANE	x	x	x	x	x	x	x	x	x		
	MAINTAIN SILT FENCE @ LOWER EDGE OF DISTURBED AREA	x	x	x	x	x	x	x	x	x		
	MAINTAIN SILT FENCE @ WETLAND BOUNDARY	x	x	x	x	x	x	x	x	x	x	
	MAINTAIN SILT FENCE @ TOP OF "CREEK" PHASE SLOPE	x	x	x	x	x	x	x	x	x	x	
	MAINTAIN INLET PROTECTION AT OFF-SITE CATCH BASINS	x	x	x	x	x	x	x	x	x	x	
	INSTALL SEED AND MULCH "CREEK" PHASE	x										
CLEAR & GRUB FILL AREAS IN PARKING PHASE; CONSTRUCT SUBGRADE IN "PARKING" PHASE; EXCAVATE AND PLACE BUILDING 1 & 2 FOOTINGS AND CLUBHOUSE FOOTING; PLACE AGGREGATE BASE FOR WINTER WORK; CONSTRUCT SANITARY SEWER SYSTEM; CONSTRUCT APARTMENT AND CLUBHOUSE BUILDINGS; CONSTRUCT SANITARY SEWER PIPING; CONSTRUCT APARTMENT AND CLUBHOUSE BUILDINGS											
	MAINTAIN CONSTRUCTION ENTRANCE @ SPRAGUE LANE	x	x	x	x	x	x	x	x	x		
	MAINTAIN SILT FENCE @ LOWER EDGE OF DISTURBED AREA	x	x	x	x	x	x	x	x	x		
	MAINTAIN SILT FENCE @ WETLAND BOUNDARY	x	x	x	x	x	x	x	x	x	x	
	MAINTAIN SILT FENCE @ TOP OF "CREEK" PHASE SLOPE	x	x	x	x	x	x	x	x	x	x	
	MAINTAIN INLET PROTECTION AT OFF-SITE CATCH BASINS	x	x	x	x	x	x	x	x	x	x	
	MAINTAIN SEED AND MULCH "CREEK" PHASE	x	x	x	x	x	x	x	x	x		
CONSTRUCT STORM SEWER SYSTEM												
	MAINTAIN CONSTRUCTION ENTRANCE @ SPRAGUE LANE	x	x	x	x	x	x	x	x	x		
	MAINTAIN SILT FENCE @ LOWER EDGE OF DISTURBED AREA	x	x	x	x	x	x	x	x	x		
	MAINTAIN SILT FENCE @ WETLAND BOUNDARY	x	x	x	x	x	x	x	x	x	x	
	MAINTAIN SILT FENCE @ TOP OF "CREEK" PHASE SLOPE	x	x	x	x	x	x	x	x	x	x	
	MAINTAIN INLET PROTECTION AT OFF-SITE CATCH BASINS	x	x	x	x	x	x	x	x	x	x	
	MAINTAIN SEED AND MULCH "CREEK" PHASE	x	x	x	x	x	x	x	x	x		
	INSTALL INLET PROTECTION AT OFF-SITE CATCH BASINS			x								
	INSTALL STORM SEWER OUTLET STABILIZATION			x								
CONSTRUCT WATER PIPING; CONSTRUCT DRY UTILITIES/PARKING LOT LIGHTING; CONSTRUCT CURB & SIDEWALK; FINE GRADE SUBGRADE; PLACE AGGREGATE BASE IN PARKING AREA; PAVE PARKING AREA AND TRAIL												
	MAINTAIN CONSTRUCTION ENTRANCE @ SPRAGUE LANE	x	x	x	x	x	x	x	x	x		
	MAINTAIN SILT FENCE @ LOWER EDGE OF DISTURBED AREA	x	x	x	x	x	x	x	x	x		
	MAINTAIN SILT FENCE @ WETLAND BOUNDARY	x	x	x	x	x	x	x	x	x	x	
	MAINTAIN SILT FENCE @ TOP OF "CREEK" PHASE SLOPE	x	x	x	x	x	x	x	x	x	x	
	MAINTAIN INLET PROTECTION AT OFF-SITE CATCH BASINS	x	x	x	x	x	x	x	x	x	x	
	MAINTAIN SEED AND MULCH "CREEK" PHASE	x	x	x	x	x	x	x	x	x		
	MAINTAIN INLET PROTECTION AT OFF-SITE CATCH BASINS			x	x	x	x	x	x	x	x	
	INSTALL STORM SEWER OUTLET STABILIZATION			x	x	x	x	x	x	x	x	
FINAL STABILIZATION												
	MAINTAIN CONSTRUCTION ENTRANCE @ SPRAGUE LANE	x	x	x	x	x	x	x	x	x		
	MAINTAIN SILT FENCE @ LOWER EDGE OF DISTURBED AREA	x	x	x	x	x	x	x	x	x		
	MAINTAIN SILT FENCE @ WETLAND BOUNDARY	x	x	x	x	x	x	x	x	x	x	
	MAINTAIN SILT FENCE @ TOP OF "CREEK" PHASE SLOPE	x	x	x	x	x	x	x	x	x	x	
	MAINTAIN INLET PROTECTION AT OFF-SITE CATCH BASINS	x	x	x	x	x	x	x	x	x	x	
	MAINTAIN SEED AND MULCH "CREEK" PHASE	x	x	x	x	x	x	x	x	x		
	MAINTAIN INLET PROTECTION AT OFF-SITE CATCH BASINS			x	x	x	x	x	x	x	x	
	INSTALL STORM SEWER OUTLET STABILIZATION			x	x	x	x	x	x	x	x	
	PLACE FINAL LANDSCAPING										x	
REMOVE TEMPORARY BMP'S AND CLOSE OUT 1200C PERMIT												
	REMOVE TEMPORARY BMP'S											x
	ISSUE NOTIFICATION TO TERMINATE PERMIT											x

DRAWING LEGEND

- EXISTING STORM SEWER MANHOLE
- EX SD — EXISTING STORM SEWER PIPE
- EXISTING STORM SEWER CATCH BASIN
- PROPOSED STORM AREA DRAIN
- PROPOSED STORM SEWER MANHOLE
- 2" SD — PROPOSED STORM SEWER PIPE
- EXISTING TELEPHONE RISER
- EXISTING POWER VAULT
- EXISTING ELECTRICAL BOX
- EXISTING POWER POLE
- EXISTING POWER POLE WITH DROP
- EXISTING GUY ANCHOR
- EXISTING POWER POLE WITH LIGHT
- EX UG E / EX OH E — EXISTING POWER LINE
- EX GAS — EXISTING GAS LINE
- EX OH COMM / EX UG COMM — EXISTING COMMUNICATION LINE
- EX FO — EXISTING FIBER OPTIC LINE
- EX TEL — EXISTING TELEPHONE LINE
- SUBJECT PROPERTY LINE
- ADJACENT PROPERTY LINE
- EASEMENT LINE
- EXISTING CURB
- EXISTING TREE
- MB — EXISTING MAILBOX
- EXISTING SANITARY SEWER MANHOLE
- EX SS — EXISTING SANITARY SEWER PIPE
- EXISTING SANITARY SEWER CLEANOUT
- EXISTING TELEPHONE LINE
- EXISTING WATER VALVE
- EX W — EXISTING WATER MAIN
- PROPOSED FIRE DEPARTMENT CONNECTION (FDC)
- PROPOSED FIRE HYDRANT
- PROPOSED DCDV VAULT
- PROPOSED WATER METER
- PROPOSED WATER VALVE
- W — PROPOSED WATER (DOMESTIC)
- FW — PROPOSED WATER (FIRE)
- 240 — EXISTING CONTOUR
- 235 — PROPOSED CONTOUR
- EXISTING FLOW ARROW
- PROPOSED FLOW ARROW
- IP — INLET PROTECTION
- SF — SILT FENCE
- TP — TREE PROTECTION
- AGGREGATE MATERIAL
- PROPOSED AC
- PROPOSED PCC SIDEWALK
- EXISTING AC
- EXISTING PCC SIDEWALK
- WETLAND
- FLOODWAY

SITE CONDITION	MINIMUM FREQUENCY
1. ACTIVE PERIOD	ON INITIAL DATE THAT LAND DISTURBANCE ACTIVITIES COMMENCE. WITHIN 24 HOURS OF ANY STORM EVEN, INCLUDING RUNOFF FROM SNOW MELT, THAT RESULTS IN DISCHARGE FROM THE SITE. AT LEAST ONCE EVERY 14 DAYS, REGARDLESS OF WHETHER 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.
5. PERIODS DURING WHICH CONSTRUCTION ACTIVITIES ARE SUSPENDED AND RUNOFF IS UNLIKELY DUE TO FROZEN CONDITIONS.	VISUAL MONITORING INSPECTIONS MAY BE TEMPORARILY SUSPENDED. IMMEDIATELY RESUME MONITORING UPON THAWING, OR WHEN WEATHER CONDITIONS MAKE DISCHARGES LIKELY.
5. PERIODS DURING WHICH CONSTRUCTION ACTIVITIES ARE SUSPENDED AND RUNOFF IS UNLIKELY DUE TO FROZEN CONDITIONS.	VISUAL MONITORING INSPECTIONS MAY BE REDUCED TO ONCE A MONTH. IMMEDIATELY RESUME MONITORING UPON THAWING, OR WHEN WEATHER CONDITIONS MAKE DISCHARGES LIKELY.

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NOV. 9, 1999
KEITH WHISENHUNT
EXPIRES: JUNE 30, 2024

DATE SIGNED: 8/22/23

COBALT DEVELOPMENT, LLC

WORKFORCE MULTIFAMILY
1200C STORMWATER SUBMISSION

WOODBURN, OREGON

REASON FOR ISSUANCE

NO.	DESCRIPTION	DATE	BY
1	SUBMIT 1200C APPLICATION	1/23/23	KW
2	EDIT SHEETS CE-0.01 AND CE-0.05	3/2/23	KW
3	ADD 50-FT BUFFER ANALYSIS	6/20/23	KW
4	ADD CREEK PHASE GRADING PLAN SHEET	7/7/23	KW
5	ADDRESSED PLAN CHECK COMMENTS	7/7/23	KW
6	APPROVED BY DEQ	8/22/23	KW

SHEET TITLE:

SITE DESCRIPTION, BMP MATRIX AND DRAWING LEGEND

CE-0.05

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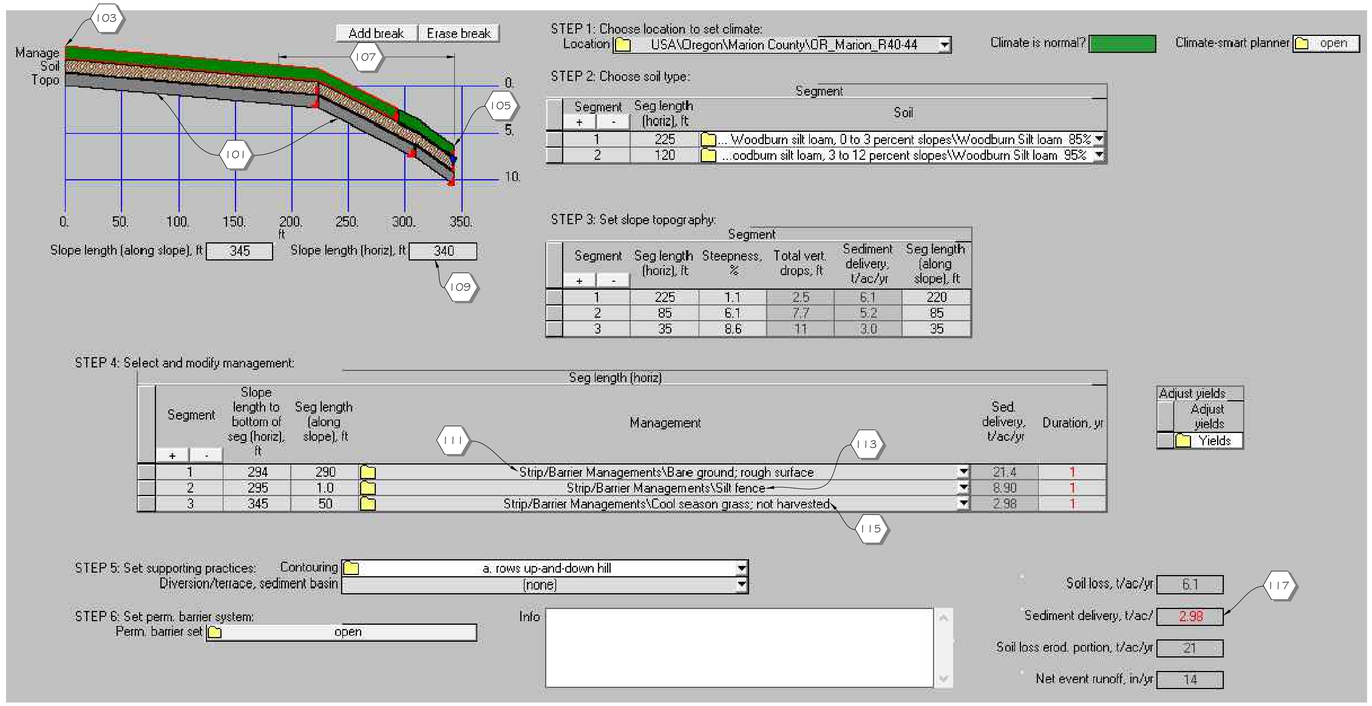
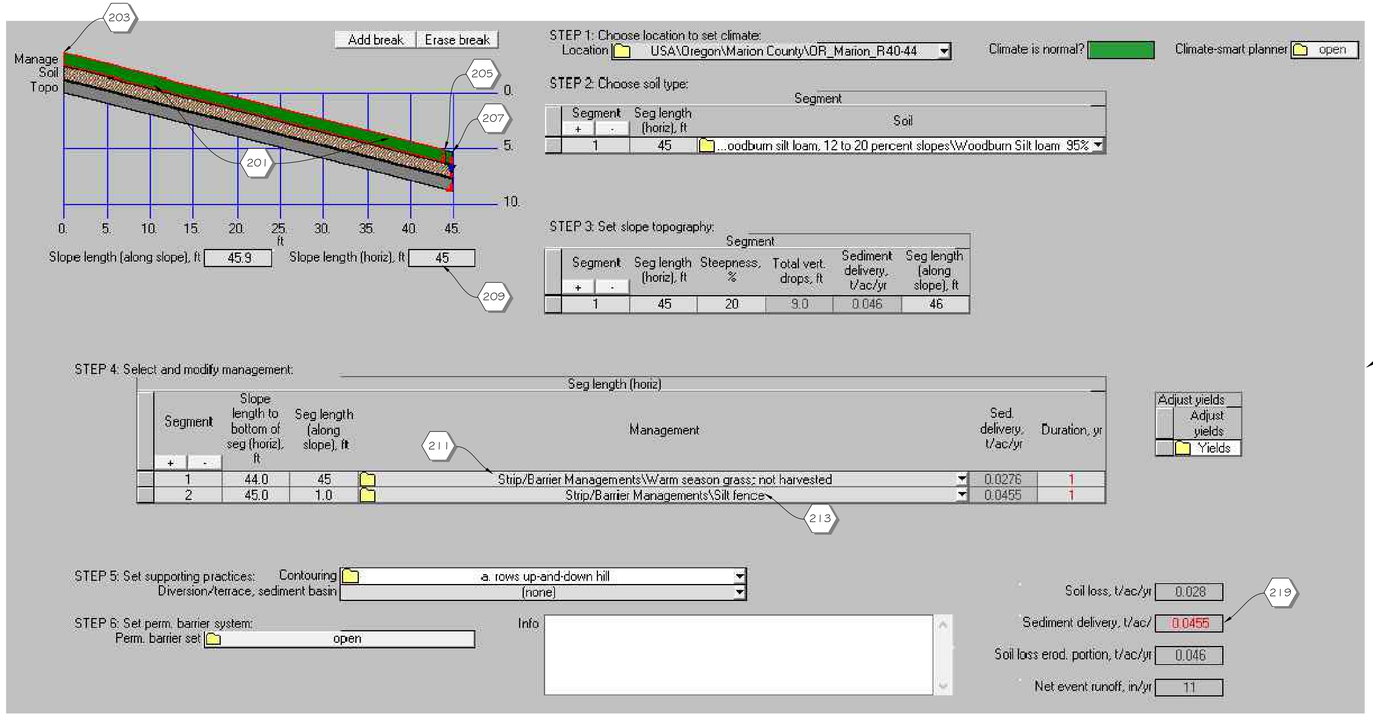


1 BASELINE SEDIMENT TRANSPORT
50-FOOT BUFFER
SCALE: NOT APPLICABLE



REFERENCE GENERAL NOTE NO. 6.

2 ENCROACHED SEDIMENT DELIVERY PROFILE
BMP SEDIMENT REMOVAL EFFECTIVENESS
SCALE: NOT APPLICABLE

GENERAL CONSTRUCTION NOTES:

1. THE SEDIMENT DELIVERY CALCULATIONS WERE PERFORMED USING RUSLE2 VERSION 2.7.13 (JUN 7 2022).
2. ILLUSTRATIONS HEREON ARE SCREEN CAPTURES FROM THE SOFTWARE NOTED ABOVE.
3. THE SOFTWARE HAS NO OPTION FOR EROSION CONTROL BLANKETS, SLOPES COVERED WITH STRAW AND TACKIFIER, OR HYDROSEEDED SLOPES WITH MULCH. AS A RESULT, "COOL SEASON GRASS; NOT HARVESTED" WAS USED ON PROPOSED SLOPES IN EXCESS OF 10%. ON THESE SLOPES, STRAW AND TACKIFIER OR HYDROSEED WITH MULCH WILL BE USED.
4. SOIL TYPES AND CHARACTERISTICS WERE OBTAINED FROM THE NRCS WEB SOIL SURVEY.
5. TOPOGRAPHY WAS OBTAINED FROM A SITE SURVEY PERFORMED BY PROJECT DELIVERY GROUP, LLC USING BOTH CONVENTIONAL SURVEY EQUIPMENT AND DRONE PHOTOGRAPHY.
6. THE SLOPE DISTANCE INDICATED IN THE ENCROACHED SEDIMENT DELIVERY PROFILE (KEYNOTE NO. 209) DIFFERS FROM THAT IN THE BASELINE ANALYSIS (KEYNOTE NO. 109). THIS DIFFERENCE IS THE RESULT OF THE FILL PROPOSED IN THE "CREEK" PHASE AREA NEAR THE REAR OF THE BUILDING AS SHOWN ON SHEET CE-1.02. THIS FILL IS CALLED FOR TO BE COMPLETED AS THE INITIAL PORTION OF THE WORK. IT WILL CUT OFF THE STORMWATER RUNOFF FROM THE BALANCE OF THE SITE AND PREVENT IT FROM DRAINING OVER THE CREEK PHASE SLOPE INTO THE CREEK.

KEYNOTES - WORK BY CONTRACTOR

101. PROFILE OF LAND TO BE DISTURBED TRIBUTARY TO WETLAND BOUNDARY
103. EDGE OF TRIBUTARY AREA AT TOP OF SLOPE
105. EDGE OF TRIBUTARY AREA AT BOTTOM OF SLOPE
107. 50-FOOT BUFFER
109. DISTANCE FROM TOP OF SLOPE TO BOTTOM OF SLOPE
111. COVER TYPE OF AREA BEING FILLED (REFERENCE GENERAL NOTE NO. 3 HEREON FOR SLOPE TREATMENT)
113. SILT FENCE AT THE LIMITS OF THE UPPER LIMIT OF THE 50-FOOT NATURAL BUFFER
115. COVER TYPE OF UNDISTURBED WETLAND AREA
117. ALLOWABLE DISCHARGE RATE OF SEDIMENT FROM THE SITE
201. PROFILE OF LAND TO BE FILLED FROM TOP OF SLOPE WEST OF BUILDINGS WETLAND BOUNDARY
203. TOP OF 20% SLOPE WEST OF PROPOSED BUILDING
205. TOE OF 20% SLOPE WEST OF PROPOSED BUILDING
207. EDGE OF WETLAND BOUNDARY
209. DISTANCE FROM TOP OF SLOPE TO BOTTOM OF SLOPE
211. COVER TYPE ON 20% SLOPE INTENDED TO MIMIC STRAW BLOWN ON SLOPE
213. SILT FENCE AT THE BOTTOM OF THE 20% SLOPE
215. CALCULATED SEDIMENT DISCHARGE RATE IS LESS THAN THE ALLOWABLE SEDIMENT DISCHARGE RATE SHOWN IN CELL LABELED 117

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COBALT DEVELOPMENT, LLC

WORKFORCE MULTIFAMILY
I 200C STORMWATER SUBMISSION

WOODBURN, OREGON

REASON FOR ISSUANCE

NO.	DESCRIPTION	DATE	BY
1	SUBMIT I 200C APPLICATION	1/23/23	KW
2	EDIT SHEETS CE-0.01 AND CE-0.05	3/2/23	KW
3	ADD 50-FT BUFFER ANALYSIS	6/20/23	KW
4	ADD CREEK PHASE GRADING PLAN SHEET	7/7/23	KW
5	ADDRESSED PLAN CHECK COMMENTS	7/7/23	KW
6	APPROVED BY DEQ	8/22/23	KW

SHEET TITLE:

50-FT BUFFER ANALYSIS

CE-0.07

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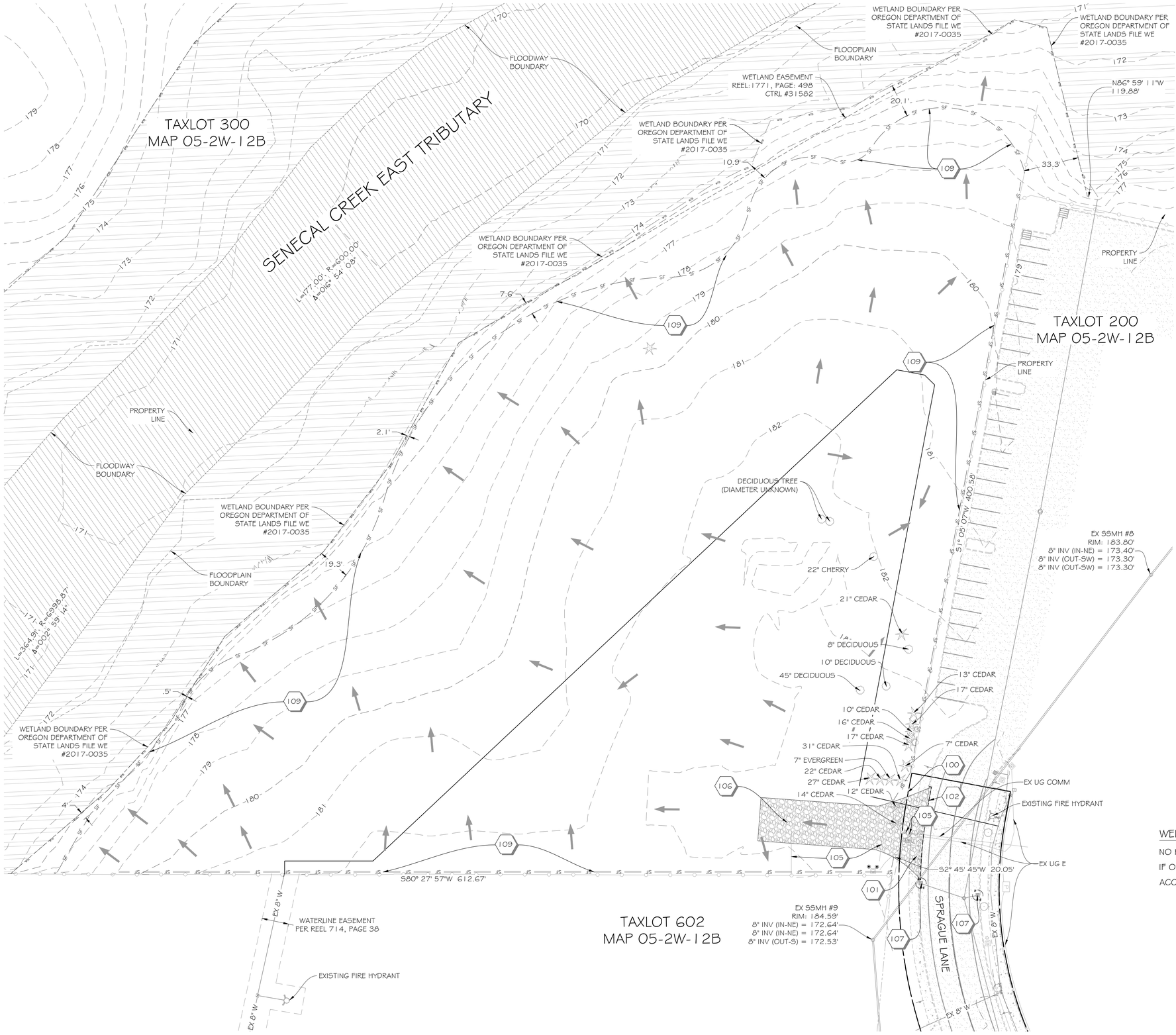

GENERAL NOTES:

1. ALL TREES SHOWN AND LABELED ARE TO BE REMOVED.
2. CONTRACTOR TO REVIEW THE GEOTECHNICAL REPORT AND ADDENDUM PREPARED FOR THE PROJECT BY APPLIED GEOTECHNICAL ENGINEERING & GEOLOGIC CONSULTING.
3. ALL CONSTRUCTION MATERIALS THAT COULD LEAD TO POLLUTION IF SPILLED NOT IN IMMEDIATE USE SHALL BE STORED IN A STORAGE BOX AT THE LOCATION SHOWN ON PLAN TO PREVENT SPILLS AND EXPOSURE TO WET WEATHER.

KEYNOTES

100. REMOVE EXISTING FENCE TO END OF EXISTING SIDEWALK.
101. REMOVE EXISTING DRIVEWAY AND REPLACE SIDEWALK TO MATCH.
102. SAWCUT EXISTING ASPHALT.
103. SAWCUT EXISTING SIDEWALK.
104. RELOCATE EXISTING UTILITY BOX.
105. REMOVE EXISTING GATE.
106. INSTALL 100' LENGTH CONSTRUCTION ENTRANCE. REFERENCE DETAIL RD1000 ON SHEET CE-5.01.
107. INSTALL INLET PROTECTION. REFERENCE DETAIL RD1010 ON SHEET CE-5.01.
109. INSTALL SINGLE SEDIMENT FENCE. REFERENCE DETAIL RD1040 ON SHEET CE-5.01.

WELL AND SEPTIC NOTE

NO KNOWN WELLS OR SEPTIC SYSTEMS ARE ACTIVE ON THE SITE. IF ONE IS ENCOUNTERED IT SHALL BE DECOMMISSIONED IN ACCORDANCE WITH DEQ STANDARDS AND REQUIREMENTS.

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WORKFORCE MULTIFAMILY
1200C STORMWATER SUBMISSION

WOODBURN, OREGON

NO.	DESCRIPTION	DATE	BY
1	SUBMIT 1200C APPLICATION	1/23/23	KW
2	EDIT SHEETS CE-0.01 AND CE-0.05	3/2/23	KW
3	ADD 50-FT BUFFER ANALYSIS	6/20/23	KW
4	ADD CREEK PHASE GRADING PLAN SHEET	7/7/23	KW
5	ADDRESSED PLAN CHECK COMMENTS	7/7/23	KW
6	APPROVED BY DEQ	8/22/23	KW

REASON FOR ISSUANCE

SHEET TITLE:

EXISITING CONDITIONS

CE-1.01

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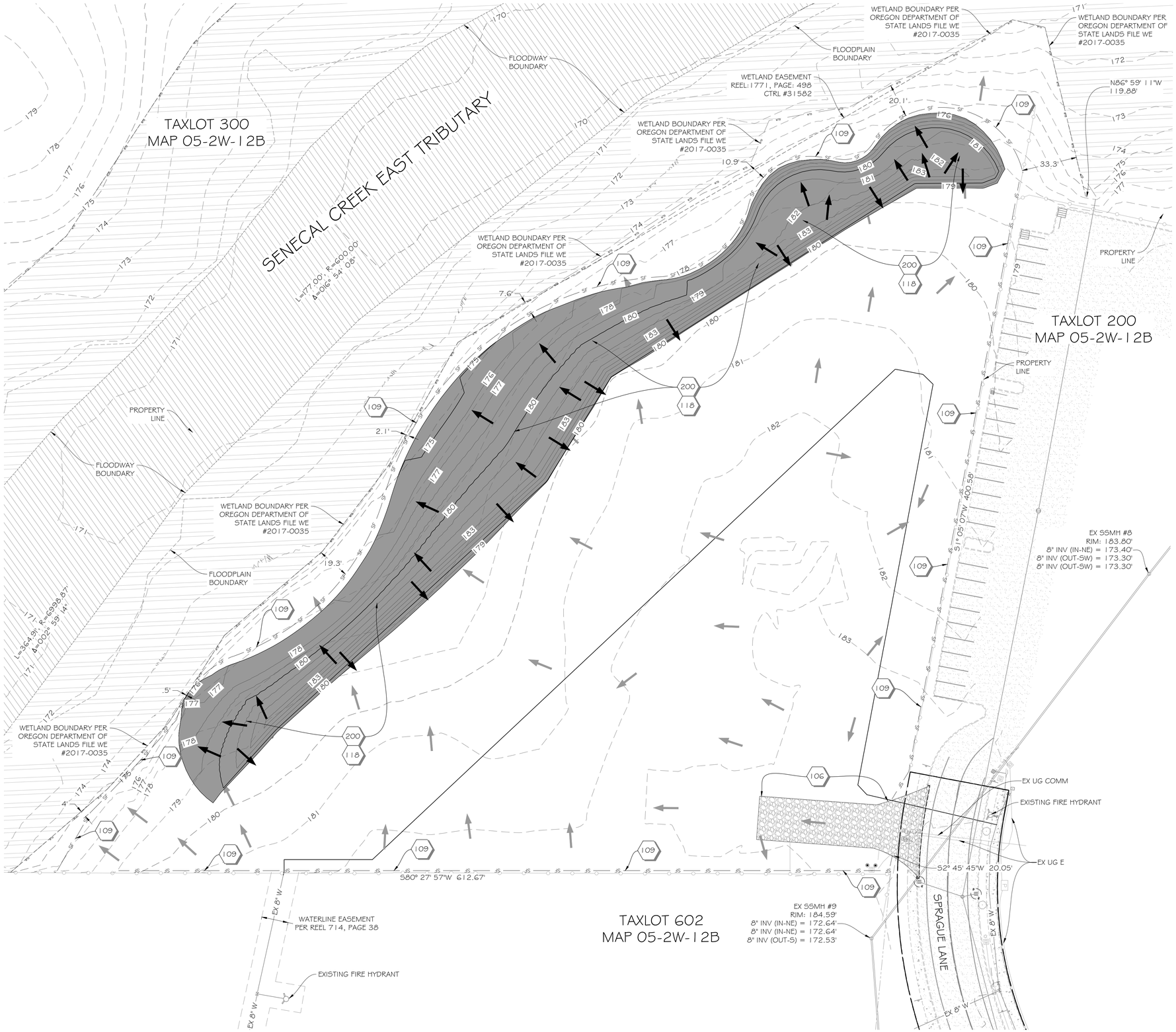

GENERAL NOTES:

1. WORK SHOWN ON THIS SHEET MUST BE COMPLETED PRIOR TO INITIATING THE WORK FROM OTHER SHEETS.
2. ALL TREES SHOWN AND LABELED ARE TO BE REMOVED.
3. CONTRACTOR TO REVIEW THE GEOTECHNICAL REPORT AND ADDENDUM PREPARED FOR THE PROJECT BY APPLIED GEOTECHNICAL ENGINEERING & GEOLOGIC CONSULTING.
4. ALL CONSTRUCTION MATERIALS THAT COULD LEAD TO POLLUTION IF SPILLED NOT IN IMMEDIATE USE SHALL BE STORED IN A STORAGE BOX AT THE LOCATION SHOWN ON PLAN TO PREVENT SPILLS AND EXPOSURE TO WET WEATHER.

KEYNOTES

106. INSTALL 100' LENGTH CONSTRUCTION ENTRANCE. REFERENCE DETAIL RD1000 ON SHEET CE-5.01.
109. INSTALL SINGLE SEDIMENT FENCE. REFERENCE DETAIL RD1040 ON SHEET CE-5.01.
118. FOLLOWING PLACEMENT OF FILL MATERIAL, COVER SLOPE WITH STRAW AND TACKIFIER. STRAW TO BE PLACED UNTIL FILL MATERIAL IS NO LONGER VISIBLE.
200. PREPARE SURFACE IN AREA SHOWN TO BE GRADED PURSUANT TO GEOTECHNICAL PERMIT PREPARED FOR THE PROJECT. PLACE IMPORTED FILL MATERIAL AS SHOWN PRIOR TO EARTH DISTURBING ACTIVITES ON THE BALANCE OF THE SITE.

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1200C STORMWATER SUBMISSION

COBALT DEVELOPMENT, LLC

WOODBURN, OREGON

REASON FOR ISSUANCE

NO.	DESCRIPTION	DATE	BY
1	SUBMIT 1200C APPLICATION	1/23/23	KW
2	EDIT SHEETS CE-0.01 AND CE-0.05	3/2/23	KW
3	ADD 50-FT BUFFER ANALYSIS	6/20/23	KW
4	ADD CREEK PHASE GRADING PLAN SHEET	7/7/23	KW
5	ADDRESSED PLAN CHECK COMMENTS	7/7/23	KW
6	APPROVED BY DEQ	8/22/23	KW

SHEET TITLE:

GRADING PLAN - CREEK PHASE

CE-1.02

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TAXLOT 300
MAP 05-2W-12B

SENECAL CREEK EAST TRIBUTARY

FLOODWAY BOUNDARY

FLOODPLAIN BOUNDARY

WETLAND BOUNDARY PER OREGON DEPARTMENT OF STATE LANDS FILE WE #2017-0035

WETLAND EASEMENT REEL: 1771, PAGE: 498 CTRL #31582

"CREEK" PHASE

REFERENCE SHEET CE-1.02 FOR THE SCOPE OF THIS WORK

"PARKING" PHASE

TAXLOT 200
MAP 05-2W-12B

LOW POINT = 180.6

LOW POINT = 180.5

LOW POINT = 180.7

LOW POINT = 180.5

LOW POINT = 180.5

LOW POINT = 180.5

109

111

EX 6" SS

EX UG E

EX UG COMM

EX UG E

EX 8" W

EX GAS

EX UG E

SPRAGUE LANE

EX W

WATERLINE EASEMENT PER REEL 714, PAGE 38

TAXLOT 602
MAP 05-2W-12B

GENERAL CONSTRUCTION NOTES:

1. CONTRACTOR TO REVIEW THE GEOTECHNICAL REPORT AND ADDENDUM PREPARED FOR THE PROJECT BY APPLIED GEOTECHNICAL ENGINEERING & GEOLOGIC CONSULTING.
2. ALL CONSTRUCTION MATERIALS THAT COULD LEAD TO POLLUTION IF SPILLED NOT IN IMMEDIATE USE SHALL BE STORED IN A STORAGE BOX AT THE LOCATION SHOWN ON PLAN TO PREVENT SPILLS AND EXPOSURE TO WET WEATHER.
3. ANY LOW POINT DEWATERING SHALL BE DISCHARGED THROUGH A FILTER BAG AT RIP-RAP OUTFALL LOCATION SHOWN ON PLANS.
4. CONTOURS SHOWN ON THE SHEET ARE TO SUBGRADE ELEVATIONS.
5. BMP'S SHOWN BUT NOT CALLED OUT WERE INSTALLED IN PREVIOUSLY COMPLETED PHASES AND ARE TO BE MAINTAINED THROUGH THE CURRENT PHASE.
6. 6" OF TOPSOIL TO BE REMOVED FROM EXISTING SURFACE IN COLORED AREAS SHOWN AND DISPOSED OF OFFSITE.

KEYNOTES - WORK BY CONTRACTOR

109. INSTALL SINGLE SEDIMENT FENCE. REFERENCE DETAIL RD1040 ON SHEET CE-5.01.
111. VEHICLE PARKING AREA.

AREAS OF FILL (PARKING PHASE)

AREAS OF CUT (PARKING PHASE)

AREAS OF FILL (CREEK PHASE)

AREAS OF CUT (CREEK PHASE)

0 30' 60' 90'
0 1"

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1200C STORMWATER SUBMISSION

WOODBURN, OREGON

NO.	DESCRIPTION	DATE	BY
1	SUBMIT 1200C APPLICATION	1/23/23	KW
2	EDIT SHEETS CE-0.01 AND CE-0.05	3/2/23	KW
3	ADD 50-FT BUFFER ANALYSIS	6/20/23	KW
4	ADD CREEK PHASE GRADING PLAN SHEET	7/7/23	KW
5	ADDRESSED PLAN CHECK COMMENTS	7/7/23	KW
6	APPROVED BY DEQ	8/22/23	KW

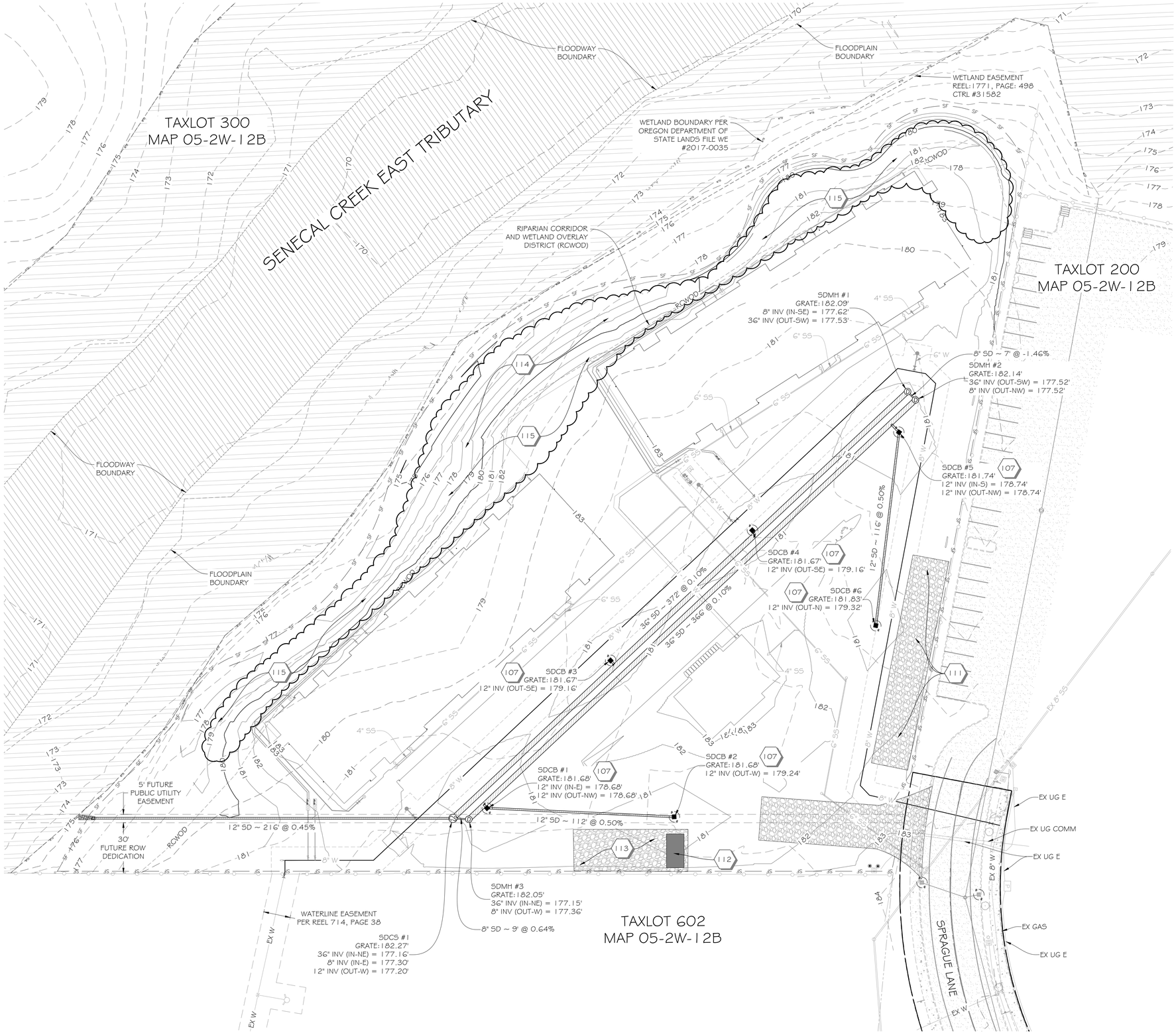
REASON FOR ISSUANCE

SHEET TITLE:

GRADING AND EXCAVATION (SUBGRADE) PLAN

CE-1.03

P:\2022 Projects\22023 Woodburn Multi-Family\The CAD\Civil\ESC Drawings\22023_Subgrade_ESC.dwg 8/22/2023 9:16:02 AM



GENERAL CONSTRUCTION NOTES:

1. CONTRACTOR TO REVIEW THE GEOTECHNICAL REPORT AND ADDENDUM PREPARED FOR THE PROJECT BY APPLIED GEOTECHNICAL ENGINEERING & GEOLOGIC CONSULTING.
2. ALL CONSTRUCTION MATERIALS THAT COULD LEAD TO POLLUTION IF SPILLED NOT IN IMMEDIATE USE SHALL BE STORED IN A STORAGE BOX AT THE LOCATION SHOWN ON PLAN TO PREVENT SPILLS AND EXPOSURE TO WET WEATHER.
3. FOR SPILL PREVENTION SPILL KITS AND OTHER SPILL CONTAINMENT DEVICES (I.E. WATTLES, ABSORBENT SOCKS/BOOMS, ORGANIC OIL ABSORBENT AGENT, TEC.) SHALL BE KEPT ONSITE WITHIN THE STORAGE CONTAINER MENTIONED ABOVE THROUGH THE COMPLETION OF THE PROJECT.
4. ANY LOW POINT DEWATERING SHALL BE DISCHARGED THROUGH A FILTER BAG AT RIP-RAP OUTFALL LOCATION SHOWN ON PLANS.
5. IN CASE OF SPILLS FROM THE PORTABLE RESTROOM, REFER TO THE SPILL PLAN.
6. CONTOURS SHOWN ON THE SHEET ARE TO SUBGRADE ELEVATIONS.
7. BMP'S SHOWN BUT NOT CALLED OUT WERE INSTALLED IN PREVIOUSLY COMPLETED PHASES AND ARE TO BE MAINTAINED THROUGH THE CURRENT PHASE.

KEYNOTES - WORK BY CONTRACTOR

107. INSTALL INLET PROTECTION. REFERENCE DETAIL RD1010 ON SHEET CE-5.01.
111. VEHICLE PARKING AREA.
112. STORAGE CONTAINER FOR POLLUTANTS.
113. MATERIAL STORAGE AREA.
114. CLEAN BACKFILL MATERIAL STORAGE IN THIS LOCATION.
115. PLACE TRENCH MATERIAL (SPOILS) IN THIS LOCATION.

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REGISTERED PROFESSIONAL ENGINEER
62679PE
DIGITALLY SIGNED
OREGON
NOV. 9, 1999
KEITH WHISENHUNT
EXPIRES: JUNE 30, 2024

DATE SIGNED: 8/22/23

COBALT DEVELOPMENT, LLC

WORKFORCE MULTIFAMILY
1200C STORMWATER SUBMISSION

WOODBURN, OREGON

REASON FOR ISSUANCE

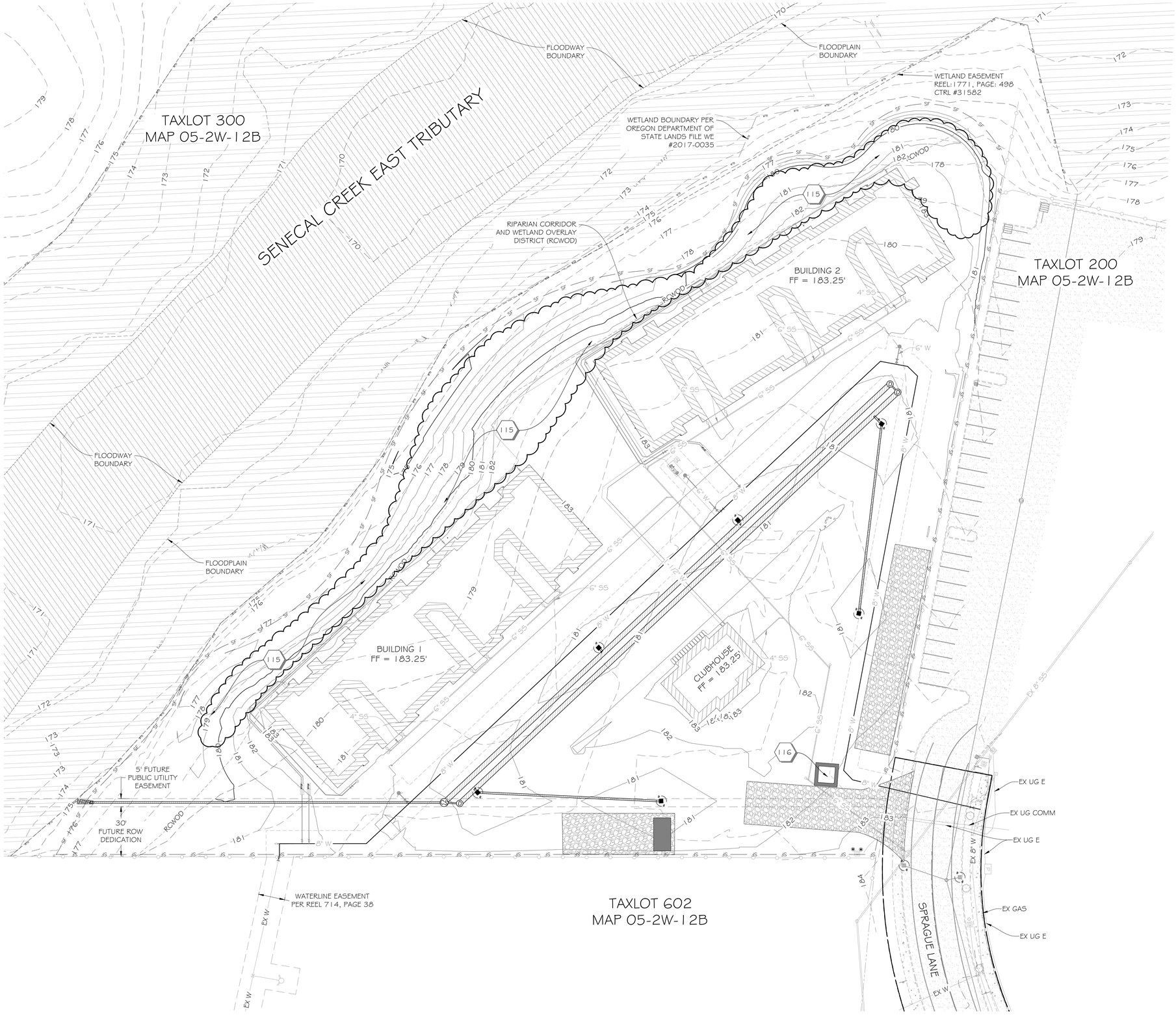
NO.	DESCRIPTION	DATE	BY
1	SUBMIT 1200C APPLICATION	1/23/23	KW
2	EDIT SHEETS CE-0.01 AND CE-0.05	3/2/23	KW
3	ADD 50-FT BUFFER ANALYSIS	6/20/23	KW
4	ADD CREEK PHASE GRADING PLAN SHEET	7/7/23	KW
5	ADDRESSED PLAN CHECK COMMENTS	7/7/23	KW
6	APPROVED BY DEQ	8/22/23	KW

SHEET TITLE:

STORMWATER SYSTEM AND UTILITY CONSTRUCTION PLAN

CE-1.05

P:\2022 Projects\22023 Woodburn Multi-Family\The CAD\Civil\ESC Drawings\22023_Storm_ESC.dwg 8/22/2023 9:16:30 AM



GENERAL CONSTRUCTION NOTES:

1. CONTRACTOR TO REVIEW THE GEOTECHNICAL REPORT AND ADDENDUM PREPARED FOR THE PROJECT BY APPLIED GEOTECHNICAL ENGINEERING & GEOLOGIC CONSULTING.
2. ALL CONSTRUCTION MATERIALS THAT COULD LEAD TO POLLUTION IF SPILLED NOT IN IMMEDIATE USE SHALL BE STORED IN A STORAGE BOX AT THE LOCATION SHOWN ON PLAN TO PREVENT SPILLS AND EXPOSURE TO WET WEATHER.
3. FOR SPILL PREVENTION SPILL KITS AND OTHER SPILL CONTAINMENT DEVICES (I.E. WATTLES, ABSORBENT SOCKS/BOOMS, ORGANIC OIL ABSORBENT AGENT, TEC.) SHALL BE KEPT ONSITE WITHIN THE STORAGE CONTAINER MENTIONED ABOVE THROUGH THE COMPLETION OF THE PROJECT.
4. ANY LOW POINT DEWATERING SHALL BE DISCHARGED THROUGH A FILTER BAG AT RIP-RAP OUTFALL LOCATION SHOWN ON PLANS.
5. IN CASE OF SPILLS FROM THE PORTABLE RESTROOM, REFER TO THE SPILL PLAN.
6. CONTOURS SHOWN ON THE SHEET ARE TO SUBGRADE ELEVATIONS.

KEYNOTES - WORK BY CONTRACTOR

115. PLACE TRENCH MATERIAL (SPOILS) IN THIS LOCATION.
116. CONSTRUCT CONCRETE TRUCK WASH OUT. REFERENCE DETAIL RD1070 ON SHEET CE-5.03.

0 30' 60' 90'
0 1"

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NOV. 9, 1999
KEITH WHISENHUNT
EXPIRES: JUNE 30, 2024

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COBALT DEVELOPMENT, LLC

WORKFORCE MULTIFAMILY

1200C STORMWATER SUBMISSION

WOODBURN, OREGON

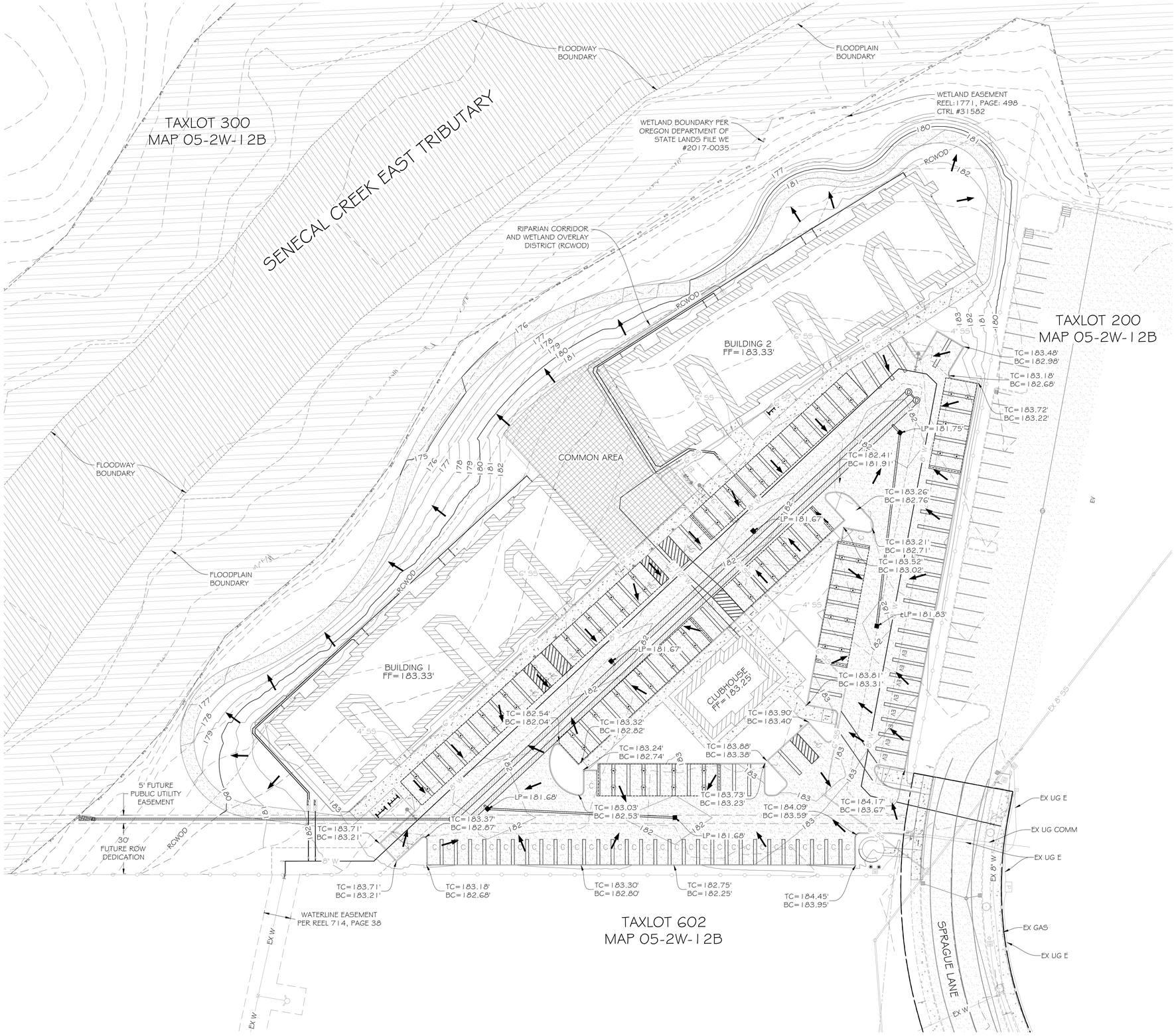
REASON FOR ISSUANCE

NO.	DESCRIPTION	DATE	BY
1	SUBMIT 1200C APPLICATION	1/23/23	KW
2	EDIT SHEETS CE-0.01 AND CE-0.05	3/2/23	KW
3	ADD 50-FT BUFFER ANALYSIS	6/20/23	KW
4	ADD CREEK PHASE GRADING PLAN SHEET	7/7/23	KW
5	ADDRESSED PLAN CHECK COMMENTS	7/7/23	KW
6	APPROVED BY DEQ	8/22/23	KW

SHEET TITLE:

VERTICAL CONSTRUCTION PLAN

CE-1.07



GENERAL CONSTRUCTION NOTES:

1. CONTRACTOR TO REVIEW THE GEOTECHNICAL REPORT AND ADDENDUM PREPARED FOR THE PROJECT BY APPLIED GEOTECHNICAL ENGINEERING & GEOLOGIC CONSULTING.
2. ALL PERIMETER SEDIMENT FENCING AND CATCH BASIN FILTER INSERTS TO BE REMOVED UPON COMPLETION OF THIS PHASE.
3. ALL CONSTRUCTION MATERIALS THAT COULD LEAD TO POLLUTION IF SPILLED NOT IN IMMEDIATE USE SHALL BE STORED IN A STORAGE BOX AT THE LOCATION SHOWN ON PLAN TO PREVENT SPILLS AND EXPOSURE TO WET WEATHER.
4. FOR SPILL PREVENTION SPILL KITS AND OTHER SPILL CONTAINMENT DEVICES (I.E. WATTLES, ABSORBENT SOCKS/BOOMS, ORGANIC OIL ABSORBENT AGENT, TEC.) SHALL BE KEPT ONSITE WITHIN THE STORAGE CONTAINER MENTIONED ABOVE THROUGH THE COMPLETION OF THE PROJECT.
5. ANY LOW POINT DEWATERING SHALL BE DISCHARGED THROUGH A FILTER BAG AT RIP-RAP OUTFALL LOCATION SHOWN ON PLANS.
6. IN CASE OF SPILLS FROM THE PORTABLE RESTROOM, REFER TO THE SPILL PLAN.
7. CONTOURS SHOWN ON THE SHEET ARE TO FINISHED GRADE ELEVATIONS.
8. BMP'S SHOWN BUT NOT CALLED OUT WERE INSTALLED IN PREVIOUSLY COMPLETED PHASES AND ARE TO BE MAINTAINED THROUGH THE CURRENT PHASE.
9. REFERENCE THE LANDSCAPE DRAWINGS FOR FINAL GROUND COVERING AND PLANTING REQUIREMENTS.

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OREGON
NOV. 9, 1999
KEITH WHISENHUNT
EXPIRES: JUNE 30, 2024

DATE SIGNED: 8/22/23

COBALT DEVELOPMENT, LLC

WORKFORCE MULTIFAMILY
I 200C STORMWATER SUBMISSION

WOODBURN, OREGON

NO.	DESCRIPTION	DATE	BY
1	SUBMIT I 200C APPLICATION	1/23/23	KW
2	EDIT SHEETS CE-0.01 AND CE-0.05	3/2/23	KW
3	ADD 50-FT BUFFER ANALYSIS	6/20/23	KW
4	ADD CREEK PHASE GRADING PLAN SHEET	7/7/23	KW
5	ADDRESSED PLAN CHECK COMMENTS	7/7/23	KW
6	APPROVED BY DEQ	8/22/23	KW

REASON FOR ISSUANCE

SHEET TITLE:

FINAL GRADING AND PAVING PLAN

CE-1.09

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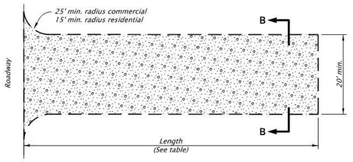
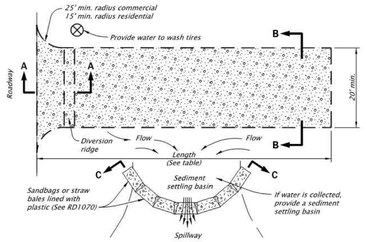


CONSTRUCTION ENTRANCE - TYPE 1
NOT TO SCALE



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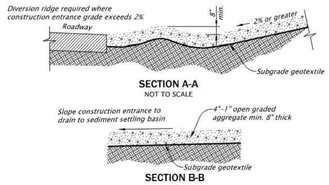
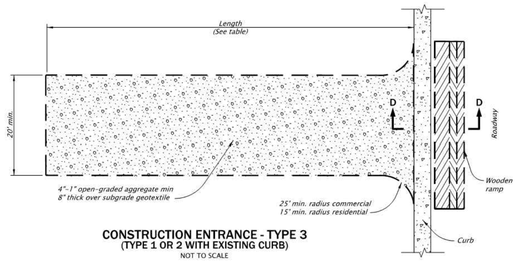
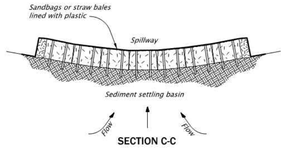
NOT TO SCALE



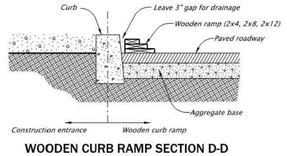
SECTION A-B
NOT TO SCALE



CONSTRUCTION ENTRANCE - TYPE 3
(TYPE 1 OR 2 WITH EXISTING CURB)
NOT TO SCALE



SECTION C-C
NOT TO SCALE



WOODEN CURB RAMP SECTION D-D
NOT TO SCALE

NOTES:
1. The Type 1 entrance is a simple entrance without a diversion ridge or settling basin.
2. The wooden ramp may be used on either Type 1 or Type 2 entrances in situations where there is curb and the curb is not removed for the construction entrance.

CONSTRUCTION ENTRANCE TABLE MINIMUM LENGTH	
Length (FT)	Area Of Exposed Soil (Acre)
20	0.25
50	0.25 < A < 1.0
100	A > 1.0

CALC. BOOK NO. N/A

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 consulting a Registered Professional Engineer.

SDR DATE January, 2021

NOTE: All material and workmanship shall be in accordance with the current Oregon Standard Specifications

OREGON STANDARD DRAWINGS

CONSTRUCTION ENTRANCES

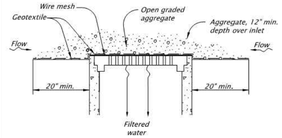
2021

DATE	REVISION DESCRIPTION
Jan 2021	Removed Calc book numbers

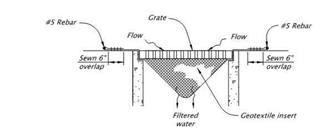
RD1000

Effective Date: December 1, 2022 - May 31, 2023

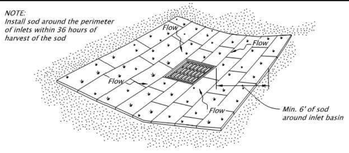
RD1000 01-20-2021 rd1000.dgn



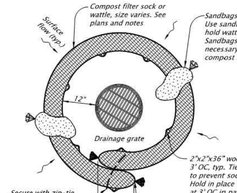
GEOTEXTILE/WIRE MESH/AGGREGATE - TYPE 2
NOT TO SCALE



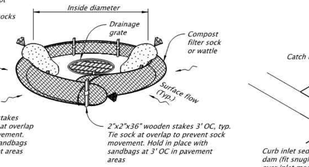
PREFABRICATED FILTER INSERT - TYPE 3
NOT TO SCALE



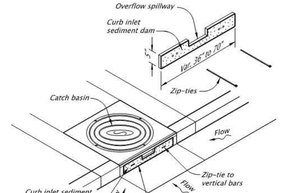
SOD PROTECTION - TYPE 6
NOT TO SCALE



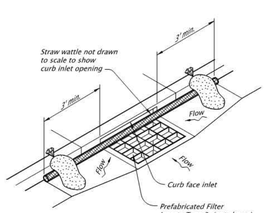
AREA DRAIN PLAN



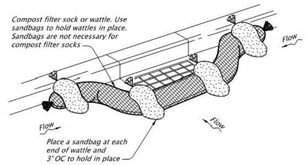
AREA DRAIN PERSPECTIVE VIEW



CURB INLET SEDIMENT DAM - TYPE 10
NOT TO SCALE



WATTLE BARRIER WITH FILTER INSERT - TYPE 11
NOT TO SCALE



CURB INLET PERSPECTIVE VIEW

COMPOST FILTER SOCK OR WATTLE - TYPE 7
NOT TO SCALE

NOTES:
Type 2 – Geotextile/wire mesh/aggregate
Place the wire mesh over the grate.
Place sediment fence geotextile over the wire mesh and perimeter area around structure.
Install aggregate over the geotextile fabric.

Type 3 – Prefabricated filter inserts
Install prefabricated filter inserts according to the plans, special provisions, and manufacturer recommendations.
Prefabricated inserts with provisions for overflow are allowed only when accompanied by additional BMPs to prevent the potential of sediments entering project storm systems.
Field fabricated inserts are not allowed.

Type 7 – Compost filter sock
Drive 2"x2" wood stakes a minimum of 6" into ground and flush with the top of the sock.
Overlap ends of sock per manufacturers recommendations (12"min., 36" max.).
Use 8" to 12" dia sock on curbside in traffic areas.

(Type 7 cont.)
Use 12" to 18" dia sock in non-traffic areas or areas where the larger socks can be used safely.
use synthetic mesh socks for temporary installations.

Type 10 – Curb inlet sediment dam
Fit curb inlet sediment dam snugly into inlet mouth. Curb inlet sediment dam is required for use with inlet filter insert where at-grade inlet grate and curb inlet are combined at a catch basin.

Type 11 – Wattle barrier with filter insert
Install prefabricated filter insert per Type 3 detail.
Install wattles over opening and 36" to each side of opening tight against curb. Adjust wattle to force storm water to flow through filter insert or wattle prior to leaving the site.
Adjust, replace or modify the inlet protection as needed to prevent sediment laden water from entering the catch basin.

CALC. BOOK NO. N/A

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SDR DATE January, 2021

NOTE: All material and workmanship shall be in accordance with the current Oregon Standard Specifications

OREGON STANDARD DRAWINGS

INLET PROTECTION
TYPE 2, 3, 6, 7, 10 AND 11

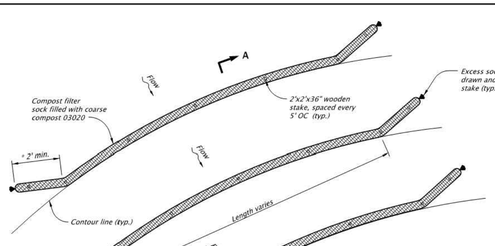
2021

DATE	REVISION DESCRIPTION
Jan 2021	Removed Calc book numbers
Jan 2021	Moved notes up from overlapping the sheet border

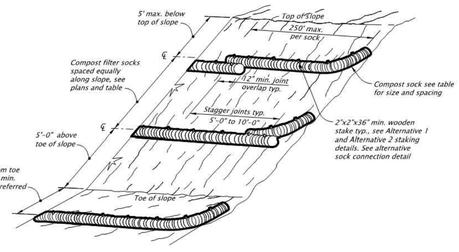
RD1010

Effective Date: December 1, 2022 - May 31, 2023

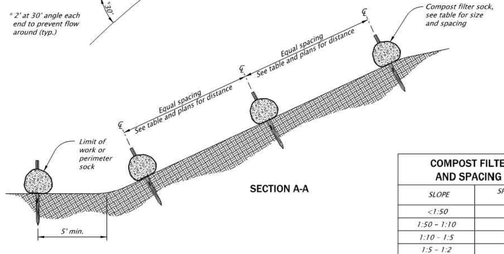
RD1010 01-20-2021 rd1010.dgn



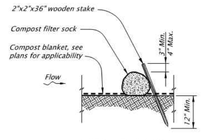
PLAN



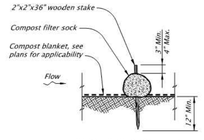
SLOPE APPLICATION - PERSPECTIVE VIEW



SECTION A-A



ALTERNATIVE 1 (Staking)



ALTERNATIVE 2 (Staking)

NOTE:
Fully biodegradable compost sock mesh is recommended for permanent installations. Where compost socks must be moved or removed, synthetic sock mesh should be used.

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

COMPOST FILTER SOCK
NOT TO SCALE

CALC. BOOK NO. N/A

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SDR DATE January, 2021

NOTE: All material and workmanship shall be in accordance with the current Oregon Standard Specifications

OREGON STANDARD DRAWINGS

SEDIMENT BARRIER
TYPE 8

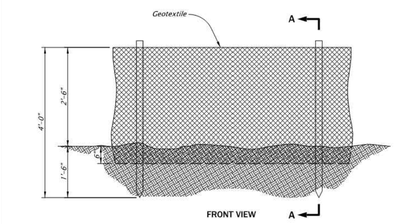
2021

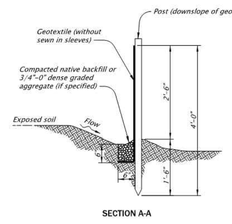
DATE	REVISION DESCRIPTION
Jan 2021	Removed Calc book numbers

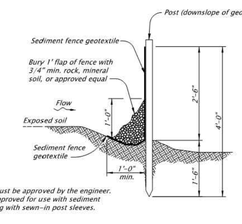
RD1032

Effective Date: December 1, 2022 - May 31, 2023

RD1032 01-20-2021 rd1032.dgn



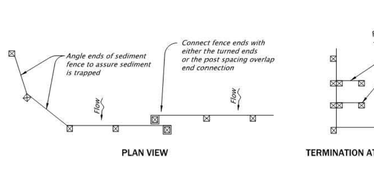




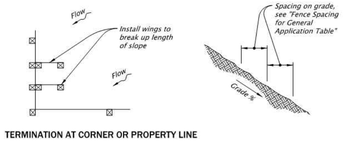
NOTES:
1. Use must be approved by the engineer.
2. Not approved for use with sediment fencing with sewn-in post sleeves.

ALTERNATE SEDIMENT FENCE WITHOUT TRENCHING - TYPE 2
NOT TO SCALE

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



PLAN VIEW

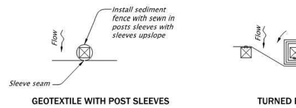


TERMINATION AT CORNER OR PROPERTY LINE

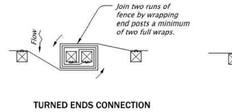
GENERAL NOTES:
1. Use 2"x2" wood fence posts.
2. Posts to be installed on downhill side of sediment fence geotextile. Position posts to prevent separation from geotextile.
3. Compact filter fabric trench backfill and soil on uphill side of fence.
4. Locate fence no closer than three feet to the toe of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

FENCE SPACING FOR GENERAL APPLICATION TABLE	
INSTALL PARALLEL ALONG CONTOURS AS FOLLOWS	
GRADE	MAXIMUM SPACING ON GRADE
Grade < 10%	300'
10% ≤ Grade < 15%	150'
15% ≤ Grade < 20%	100'
20% ≤ Grade < 30%	50'
30% ≤ Grade	25'

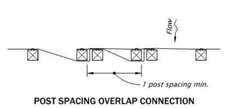
POST SPACING TABLE	
6'	Sediment Fence with Geotextile elongation less than 50%
4'	Sediment Fence with Geotextile elongation 50% or more



GEOTEXTILE WITH POST SLEEVES



TURNED ENDS CONNECTION



POST SPACING OVERLAP CONNECTION

GEOTEXTILE END CONNECTIONS
NOT TO SCALE

CALC. BOOK NO. N/A

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 consulting a Registered Professional Engineer.

SDR DATE January, 2021

NOTE: All material and workmanship shall be in accordance with the current Oregon Standard Specifications

OREGON STANDARD DRAWINGS

SEDIMENT FENCE

2021

DATE	REVISION DESCRIPTION
Jan 2021	Removed Calc book numbers

RD1040

Effective Date: December 1, 2022 - May 31, 2023

RD1040 01-20-2021 rd1040.dgn

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LAND SURVEYORS
PROJECT MANAGERS
PLANNERS
www.pdgnw.com

REGISTERED PROFESSIONAL ENGINEER
62679PE
DIGITALLY SIGNED
OREGON
NOV. 9, 1999
KEITH WHISENHUNT

EXPIRES: JUNE 30, 2024

DATE SIGNED: 8/22/23

COBALT DEVELOPMENT, LLC

WORKFORCE MULTIFAMILY

I 200C STORMWATER SUBMISSION

WOODBURN, OREGON

NO.	DESCRIPTION	DATE	BY
1	SUBMIT I 200C APPLICATION	1/23/23	KW
2	EDIT SHEETS CE-0.01 AND CE-0.05	3/2/23	KW
3	ADD 50-FT BUFFER ANALYSIS	6/20/23	KW
4	ADD CREEK PHASE GRADING PLAN SHEET	7/7/23	KW
5	ADDRESSED PLAN CHECK COMMENTS	7/7/23	KW
6	APPROVED BY DEQ	8/22/23	KW

REASON FOR ISSUANCE

SHEET TITLE:

EROSION AND SEDIMENT CONTROL DETAILS

CE-5.01

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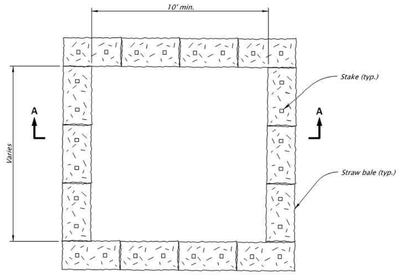
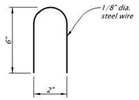
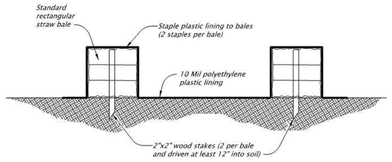


PLAN



STAPLE DETAIL
NOT TO SCALE



SECTION A-A

CONCRETE TRUCK WASH OUT FACILITY
NOT TO SCALE

CALC. BOOK NO. N/A

SDR DATE January, 2021

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NOTE: All material and workmanship shall be in accordance with the current Oregon Standard Specifications

OREGON STANDARD DRAWINGS

CONCRETE TRUCK WASH OUT

2021

DATE	REVISION DESCRIPTION

Effective Date: December 1, 2022 - May 31, 2023 RD1070

RD1070 rd1070.dgn 01-20-2021

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REASON FOR ISSUANCE

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6	APPROVED BY DEQ	8/22/23	KW

SHEET TITLE:

EROSION AND SEDIMENT CONTROL DETAILS

CE-5.03