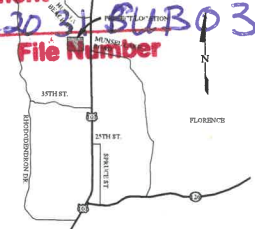


**APPROVED**  
**City of Florence**  
**Community Development**  
**Department**

**C1**  
**Exhibit**

**PC 20 31 SUB 03**  
**File Number**



# THREE MILE PRAIRIE SUBDIVISION - PHASE I

## EROSION AND SEDIMENT CONTROL PLAN

ASSESSOR'S TAX MAP 18-12-14-20, TAX LOTS 1301 AND 2100  
 ASSESSOR'S TAX MAP 18-12-15-00, TAX LOT 200  
 FLORENCE, LANE COUNTY, OREGON  
 PRELIMINARY SUBDIVISION PC 18 49 SUB 03  
 JANUARY 2021

**DEVELOPER:**  
 BLACK FOREST DEVELOPMENT, LLC  
 545 SOUTH VALLEY VIEW DRIVE #153  
 ST. GEORGE, UTAH 84770

**CIVIL ENGINEER:**  
 CLINT BEECROFT, P.E.  
 ECR & ASSOCIATES, INC.  
 2535B PRAIRIE ROAD  
 EUGENE, OREGON 97402  
 (541) 688-8322  
 EMAIL: clintbeecroft@egrassoc.com

**EROSION CONTROL INSPECTOR**  
 PERMITTEE'S SITE INSPECTOR: NORM WELLS  
 COMPANY/AGENCY: RAY WELLS EXCAVATION  
 PHONE: \_\_\_\_\_  
 EMAIL: \_\_\_\_\_  
 DESCRIPTION OF EXPERIENCE (BEGINNING JANUARY 1, 2017  
 EROSION INSPECTORS MUST BE CERTIFIED;  
 TRAINING, CERTIFICATE \_\_\_\_\_ EXPIRES \_\_\_\_\_

**PROJECT SITE DESCRIPTION**  
 TAX LOTS 1301 AND 2100 (LANE COUNTY TAX MAP 18-12-14-20)  
 TAX LOT 200 (LANE COUNTY TAX MAP 18-12-15-00)  
 LATITUDE = 44.0116°, LONGITUDE = -124.1066°  
 5391 HIGHWAY 101  
 FLORENCE, OREGON 97459

**EXISTING SITE CONDITIONS**  
 \* SAND MINING, PREDOMINANTLY OPEN ACTIVE SAND DUNE.

**DEVELOPED CONDITIONS**  
 \* 2 LOT COMMERCIAL AND 34 LOT RESIDENTIAL SUBDIVISION WITH PUBLIC ACCESS ROADS AND UTILITIES.

**NATURE OF CONSTRUCTION ACTIVITY AND ESTIMATED TIME TABLE**  
 (DATES ARE ESTIMATES ONLY)

- \* MASS GRADING (FEBRUARY TO JUNE)
- \* WASTEWATER, WATER AND UTILITIES INSTALLATION (JUNE/JULY)
- \* BASE ROCK INSTALLATION (JULY/AUGUST)
- \* CONCRETE CURB, GUTTER, STORM PLANTERS (AUGUST/SEPTEMBER)
- \* FINAL BASE ROCK INSTALLATION (SEPTEMBER)
- \* PAVING (SEPTEMBER/OCTOBER)
- \* SIDEWALKS AND RAMPS (OCTOBER/NOVEMBER)
- \* FINAL STABILIZATION (NOVEMBER/DECEMBER)

TOTAL SITE AREA = 39.5 ACRES  
 PHASE I SUBDIVISION AREA = 16.5 ACRES  
 TOTAL DISTURBED AREA = 12.44 ACRES

FILL MATERIAL FOR EMBANKMENT WILL CONSIST OF ON-SITE SOIL. REFER TO GEOTECHNICAL ENGINEERING SITE INVESTIGATION REPORT PREPARED BY BRANCH ENGINEERING, AUGUST 17, 2020.

**SITE SOIL CLASSIFICATION**

TL 200:	44 DUNE LAND	89% OF TL	LOW WATER EROSION HAZARD
TL 200:	140 YAQUINA LOAMY FINE SAND	2% OF TL	LOW WATER EROSION HAZARD
TL 200:	114C WALDFORD FINE SAND	54% OF TL	LOW WATER EROSION HAZARD
TL 2100:	140 YAQUINA LOAMY FINE SAND	46% OF TL	LOW WATER EROSION HAZARD
TL 2100:	140 YAQUINA LOAMY FINE SAND	99% OF TL	LOW WATER EROSION HAZARD
TL 2100:	44 DUNE LAND	1% OF TL	LOW WATER EROSION HAZARD

**RECEIVING WATER BODY**

THE PROJECT AREA IS SITUATED IN A CITY OF FLORENCE DRAINAGE BASIN THAT GENERALLY DRAINS INTO HIGHWAY 101 ROADSIDE DITCHES, WHERE MOST OF THE WATER INFILTRATES BEFORE IT CAN LEAVE THE BASIN. IF LARGE ENOUGH FLOWS OCCUR, THE TOPOGRAPHY OF THE BASIN WOULD DIRECT FLOW SOUTHERLY TOWARD MUNSIE CREEK, WHICH FLOWS INTO THE SHUHLAW RIVER. CATEGORY 5 300D LISTING FOR TEMPERATURE AND PH, CATEGORY 4A 300D LISTING FOR DISSOLVED OXYGEN.

**Exhibit C1**

**VICINITY MAP**  
 N.T.S.

**INSPECTION FREQUENCY**

SITE CONDITIONS	MINIMUM FREQUENCY
1. ACTIVE PERIOD	DAILY WHEN STORMWATER RUNOFF, INCLUDING RUNOFF FROM SNOW MELT, IS OCCURRING. AT LEAST ONCE EVERY 14 DAYS, REGARDLESS OF WHETHER STORMWATER RUNOFF IS OCCURRING.
2. PRIOR TO THE SITE BECOMING INACTIVE OR IN ANTICIPATION OF SITE INACCESSIBILITY	ONCE TO ENSURE THAT EROSION AND SEDIMENT CONTROL MEASURES ARE IN WORKING ORDER. ANY NECESSARY MAINTENANCE AND REPAIR MUST BE MADE PRIOR TO LEAVING THE SITE.
3. INACTIVE PERIODS GREATER THAN FORTY-EIGHT (48) CONSECUTIVE CALENDAR DAYS	ONCE EVERY MONTH
4. PERIODS DURING WHICH THE SITE IS INACCESSIBLE DUE TO INCLEMENT WEATHER	IF PRACTICAL, INSPECTIONS MUST OCCUR DAILY AT A RELEVANT AND ACCESSIBLE DISCHARGE POINT OR DOWNSTREAM LOCATION.
5. PERIODS DURING WHICH DISCHARGE IS UNLIKELY DUE TO FROZEN CONDITIONS	MONTHLY, RESUME MONITORING IMMEDIATELY UPON MELT, OR WHEN WEATHER CONDITIONS MAKE DISCHARGES LIKELY.

**ATTENTION EXCAVATORS**

OREGON LAW REQUIRES YOU TO FOLLOW RULES ADOPTED BY THE OREGON UTILITY NOTIFICATION CENTER. THOSE RULES ARE SET FORTH IN OAR 92-501-010 THROUGH OAR 92-501-099. YOU MAY OBTAIN COPIES OF THESE RULES FROM THE CENTER BY CALLING 503-252-1987. 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 503-246-6999.

THE PERMITTEE IS REQUIRED TO MEET ALL THE CONDITIONS OF THE 1200C PERMIT. THIS ESCP AND GENERAL CONDITIONS HAVE BEEN DEVELOPED TO FACILITATE COMPLIANCE WITH THE 1200C PERMIT REQUIREMENTS. IN CASES OF DISCREPANCIES OR OMISSIONS, THE 1200C PERMIT REQUIREMENTS SUPERSEDE REQUIREMENTS OF THIS PLAN.

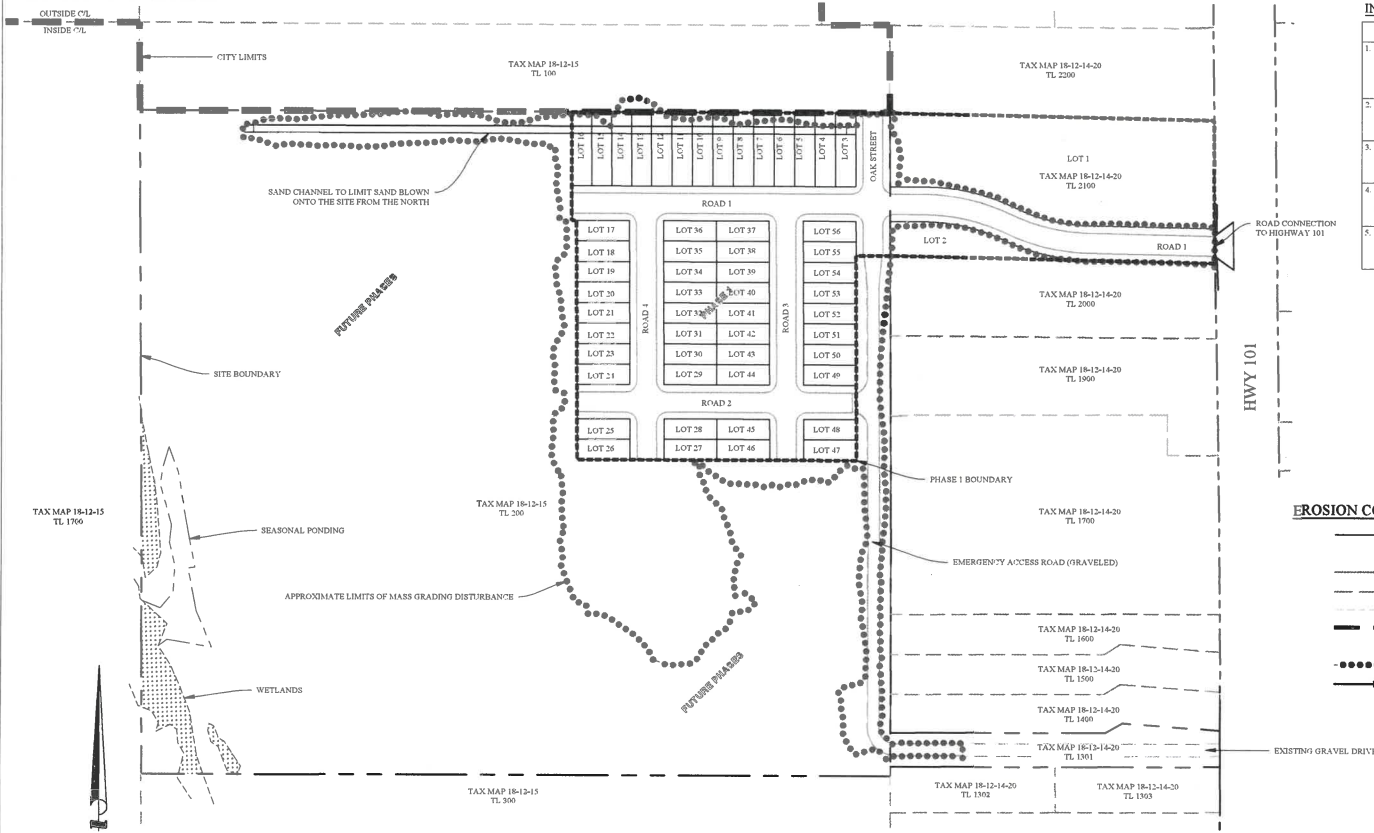
**EROSION CONTROL LEGEND**

- PROPERTY BOUNDARY
- - - PROPOSED LOT/ROW
- - - EXISTING ROW
- - - EXISTING TAX LOTS
- - - EASEMENTS
- - - CITY LIMITS
- - - EXISTING WETLANDS
- LIMITS OF GRADING DISTURBANCE
- □ □ □ SEDIMENT BARRIER

**SHEET INDEX**

**EROSION AND SEDIMENT CONTROL PLANS**

- EC 1 COVER SHEET AND SITE MAP
- EC 2 STANDARD NOTES AND BMP'S
- EC 3 MASS GRADING AND STABILIZATION
- EC 4 STREET AND UTILITY CONSTRUCTION
- EC 5 STANDARD DRAWINGS AND DETAILS



**SITE MAP**  
 1" = 100'

**ECR & Associates, Inc.**  
 Engineers, Geologists, and Surveyors  
 2535B Prairie Road  
 Eugene, Oregon 97402  
 (541) 688-8322  
 Fax (541) 688-8047



**THREE MILE PRAIRIE SUBDIVISION**  
**PHASE I CONSTRUCTION DRAWINGS**  
**EROSION AND SEDIMENT CONTROL**  
**COVER SHEET AND SITE MAP**  
 FLORENCE, OREGON

Date	Name	Description of Revisions
01-25-2021		
08-05-19-0124	C. BEECROFT	
	C. BEECROFT	
	C. BEECROFT	
	C. BEECROFT	

Sheet Number  
**EC1**



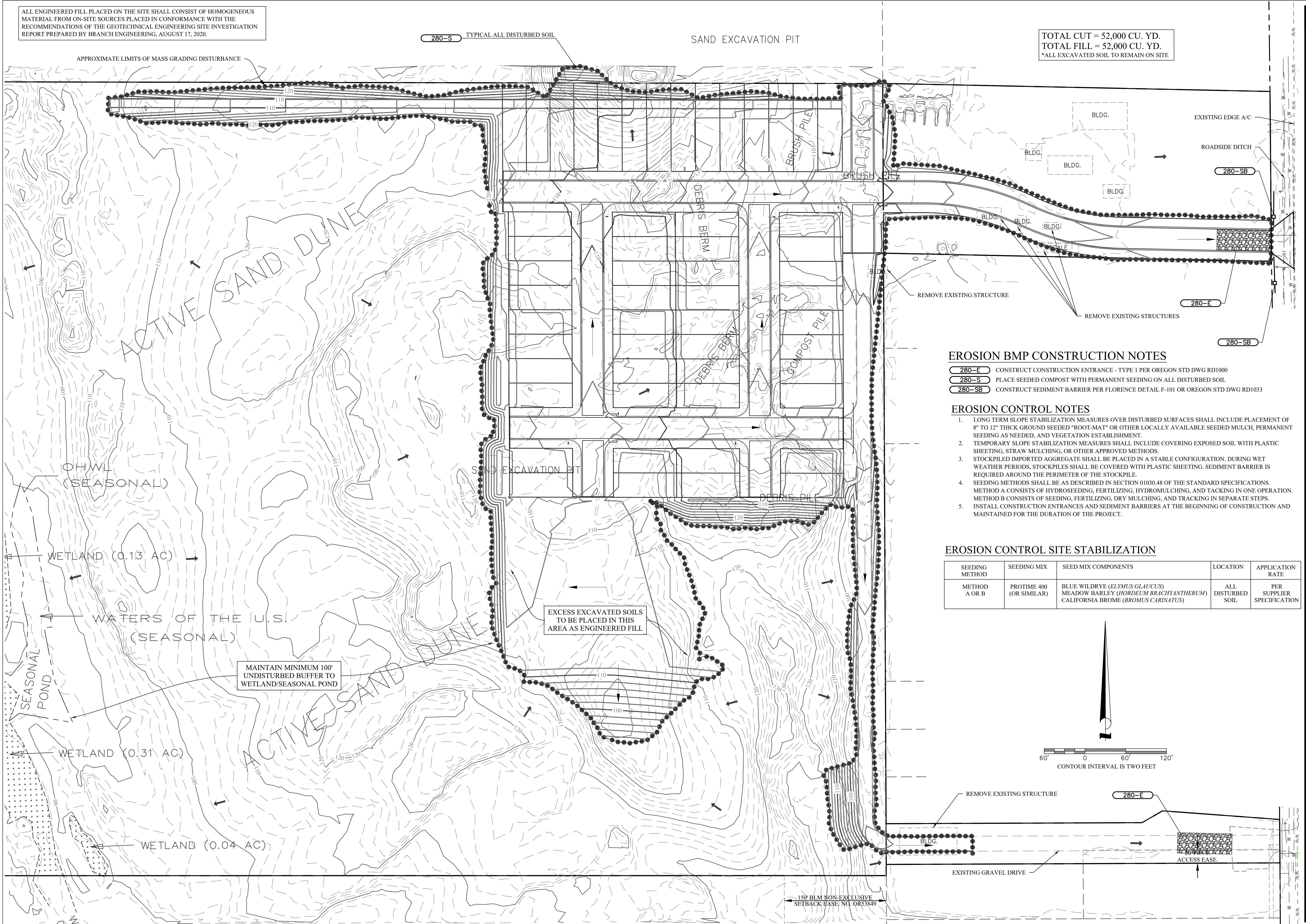
ALL ENGINEERED FILL PLACED ON THE SITE SHALL CONSIST OF HOMOGENEOUS MATERIAL FROM ON-SITE SOURCES PLACED IN CONFORMANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL ENGINEERING SITE INVESTIGATION REPORT PREPARED BY BRANCH ENGINEERING, AUGUST 17, 2020.

280-S TYPICAL ALL DISTURBED SOIL

SAND EXCAVATION PIT

TOTAL CUT = 52,000 CU. YD.  
TOTAL FILL = 52,000 CU. YD.  
\*ALL EXCAVATED SOIL TO REMAIN ON SITE

APPROXIMATE LIMITS OF MASS GRADING DISTURBANCE



**EROSION BMP CONSTRUCTION NOTES**

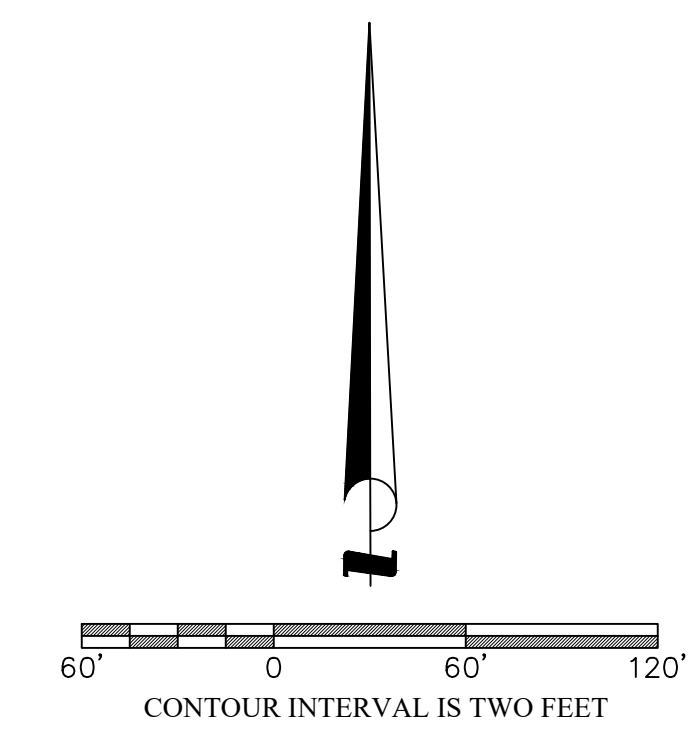
- 280-E CONSTRUCT CONSTRUCTION ENTRANCE - TYPE 1 PER OREGON STD DWG RD1000
- 280-S PLACE SEEDED COMPOST WITH PERMANENT SEEDING ON ALL DISTURBED SOIL
- 280-SB CONSTRUCT SEDIMENT BARRIER PER FLORENCE DETAIL F-101 OR OREGON STD DWG RD1033

**EROSION CONTROL NOTES**

1. LONG TERM SLOPE STABILIZATION MEASURES OVER DISTURBED SURFACES SHALL INCLUDE PLACEMENT OF 8" TO 12" THICK GROUND SEEDED "ROOT-MAT" OR OTHER LOCALLY AVAILABLE SEEDED MULCH, PERMANENT SEEDING AS NEEDED, AND VEGETATION ESTABLISHMENT.
2. TEMPORARY SLOPE STABILIZATION MEASURES SHALL INCLUDE COVERING EXPOSED SOIL WITH PLASTIC SHEETING, STRAW MULCHING, OR OTHER APPROVED METHODS.
3. STOCKPILED IMPORTED AGGREGATE SHALL BE PLACED IN A STABLE CONFIGURATION. DURING WET WEATHER PERIODS, STOCKPILES SHALL BE COVERED WITH PLASTIC SHEETING. SEDIMENT BARRIER IS REQUIRED AROUND THE PERIMETER OF THE STOCKPILE.
4. SEEDING METHODS SHALL BE AS DESCRIBED IN SECTION 01030.48 OF THE STANDARD SPECIFICATIONS. METHOD A CONSISTS OF HYDROSEEDING, FERTILIZING, HYDROMULCHING, AND TACKING IN ONE OPERATION. METHOD B CONSISTS OF SEEDING, FERTILIZING, DRY MULCHING, AND TACKING IN SEPARATE STEPS.
5. INSTALL CONSTRUCTION ENTRANCES AND SEDIMENT BARRIERS AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT.

**EROSION CONTROL SITE STABILIZATION**

SEEDING METHOD	SEEDING MIX	SEED MIX COMPONENTS	LOCATION	APPLICATION RATE
METHOD A OR B	PROTIME 400 (OR SIMILAR)	BLUE WILDRIE ( <i>ELYMUS GLAUCUS</i> ) MEADOW BARLEY ( <i>HORDEUM BRACHYANTHERUM</i> ) CALIFORNIA BROME ( <i>BROMUS CARINATUS</i> )	ALL DISTURBED SOIL	PER SUPPLIER SPECIFICATION



EXCESS EXCAVATED SOILS TO BE PLACED IN THIS AREA AS ENGINEERED FILL

MAINTAIN MINIMUM 100' UNDISTURBED BUFFER TO WETLAND/SEASONAL POND

150' BLM NON-EXCLUSIVE SETBACK EASE, NO. OR53849

**EGR & Associates, Inc.**  
Engineers, Geologists, and Surveyors  
2555B Prairie Road  
Eugene, Oregon 97402  
(541) 688-8322  
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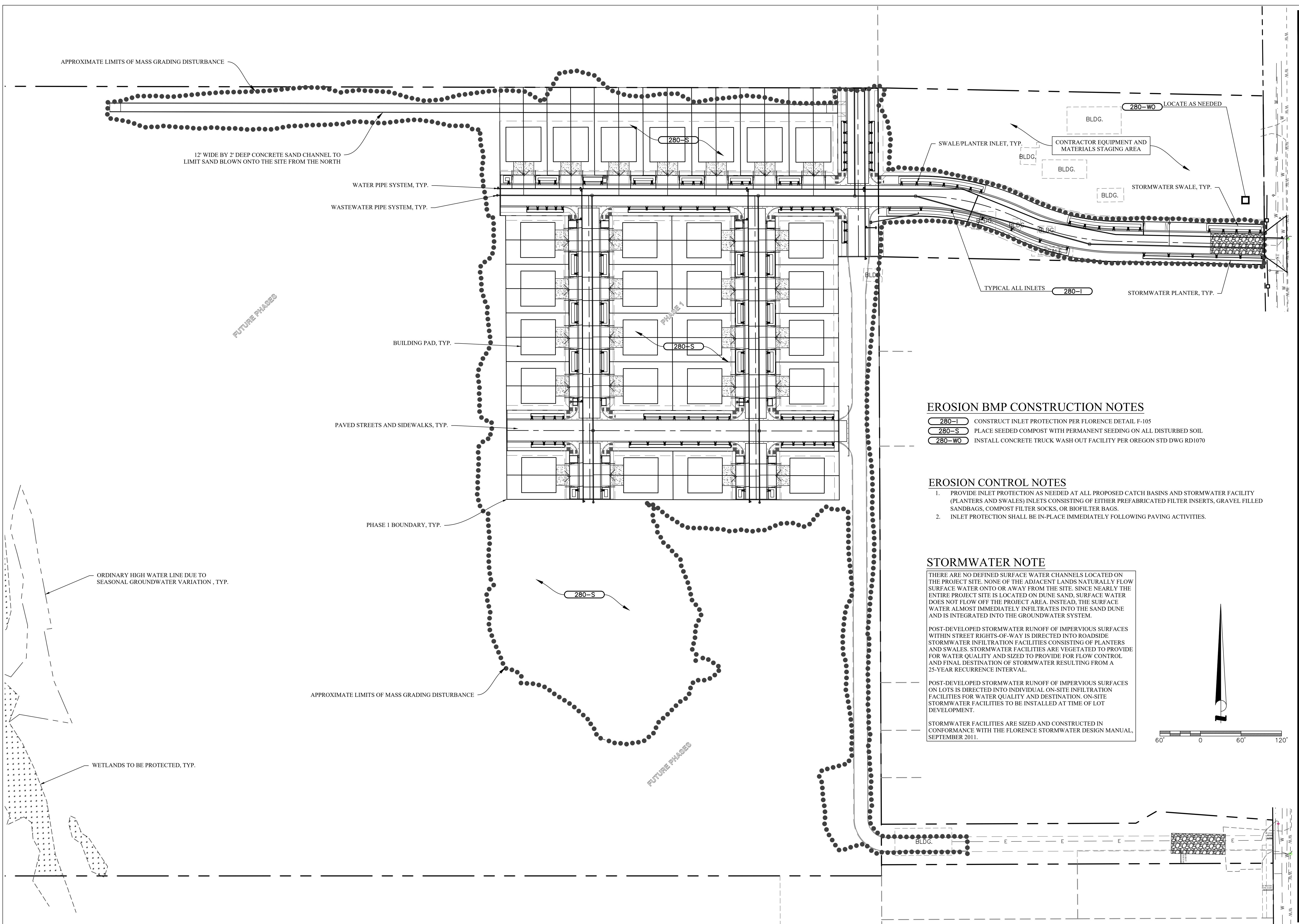
THREE MILE PRAIRIE SUBDIVISION  
PHASE 1 CONSTRUCTION DRAWINGS  
EROSION AND SEDIMENT CONTROL  
MASS GRADING AND STABILIZATION  
FLORENCE, OREGON

Date	Job Number	Design by	Drawn by	Checked by
01-25-2021	6885-18-0134	C. BEECROFT	C. BEECROFT	C. BEECROFT

Sheet Number  
**EC3**

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**EROSION BMP CONSTRUCTION NOTES**

- 280-I CONSTRUCT INLET PROTECTION PER FLORENCE DETAIL F-105
- 280-S PLACE SEEDED COMPOST WITH PERMANENT SEEDING ON ALL DISTURBED SOIL
- 280-WO INSTALL CONCRETE TRUCK WASH OUT FACILITY PER OREGON STD DWG RD1070

**EROSION CONTROL NOTES**

1. PROVIDE INLET PROTECTION AS NEEDED AT ALL PROPOSED CATCH BASINS AND STORMWATER FACILITY (PLANTERS AND SWALES) INLETS CONSISTING OF EITHER PREFABRICATED FILTER INSERTS, GRAVEL FILLED SANDBAGS, COMPOST FILTER SOCKS, OR BIOFILTER BAGS.
2. INLET PROTECTION SHALL BE IN-PLACE IMMEDIATELY FOLLOWING PAVING ACTIVITIES.

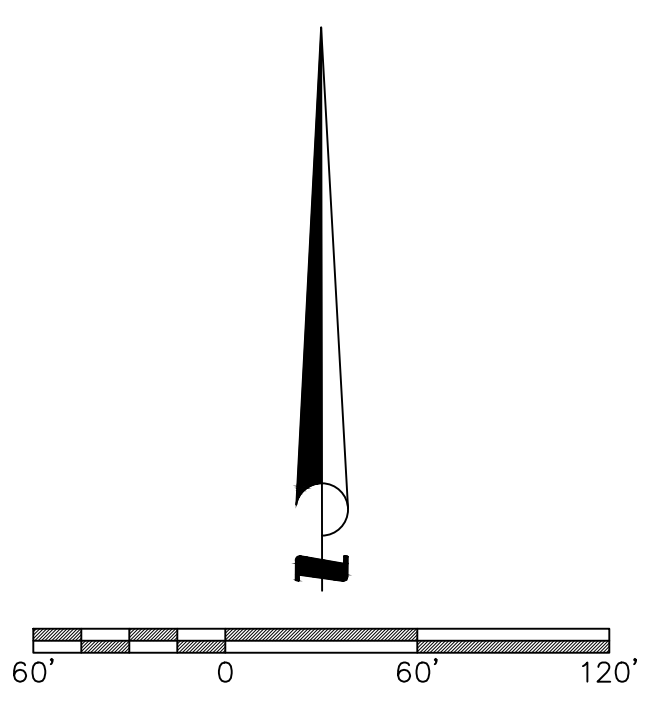
**STORMWATER NOTE**

THERE ARE NO DEFINED SURFACE WATER CHANNELS LOCATED ON THE PROJECT SITE. NONE OF THE ADJACENT LANDS NATURALLY FLOW SURFACE WATER ONTO OR AWAY FROM THE SITE. SINCE NEARLY THE ENTIRE PROJECT SITE IS LOCATED ON DUNE SAND, SURFACE WATER DOES NOT FLOW OFF THE PROJECT AREA. INSTEAD, THE SURFACE WATER ALMOST IMMEDIATELY INFILTRATES INTO THE SAND DUNE AND IS INTEGRATED INTO THE GROUNDWATER SYSTEM.

POST-DEVELOPED STORMWATER RUNOFF OF IMPERVIOUS SURFACES WITHIN STREET RIGHTS-OF-WAY IS DIRECTED INTO ROADSIDE STORMWATER INFILTRATION FACILITIES CONSISTING OF PLANTERS AND SWALES. STORMWATER FACILITIES ARE VEGETATED TO PROVIDE FOR WATER QUALITY AND SIZED TO PROVIDE FOR FLOW CONTROL AND FINAL DESTINATION OF STORMWATER RESULTING FROM A 25-YEAR RECURRENCE INTERVAL.

POST-DEVELOPED STORMWATER RUNOFF OF IMPERVIOUS SURFACES ON LOTS IS DIRECTED INTO INDIVIDUAL ON-SITE INFILTRATION FACILITIES FOR WATER QUALITY AND DESTINATION. ON-SITE STORMWATER FACILITIES TO BE INSTALLED AT TIME OF LOT DEVELOPMENT.

STORMWATER FACILITIES ARE SIZED AND CONSTRUCTED IN CONFORMANCE WITH THE FLORENCE STORMWATER DESIGN MANUAL, SEPTEMBER 2011.

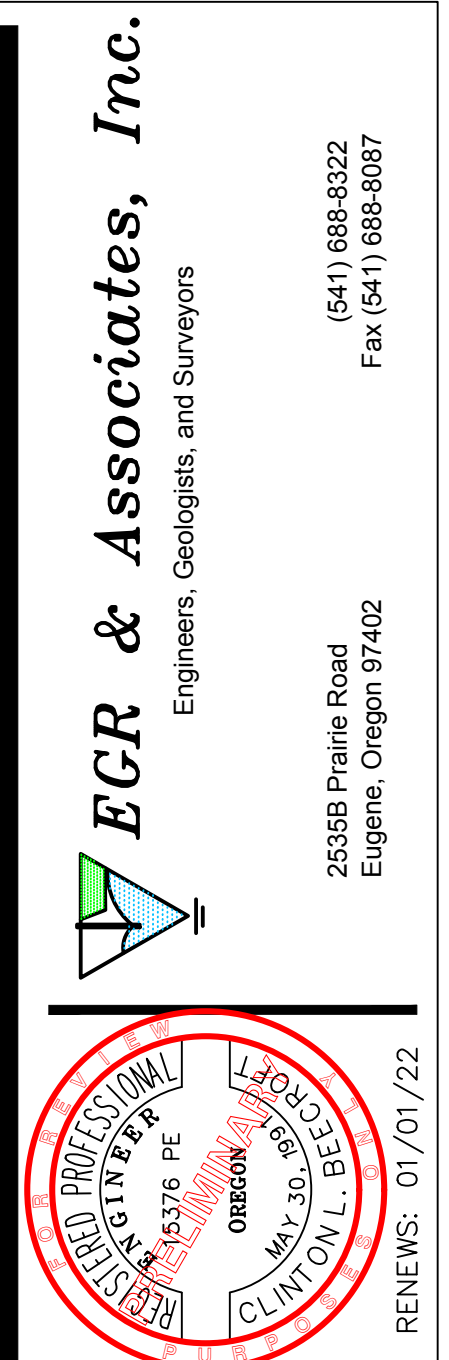
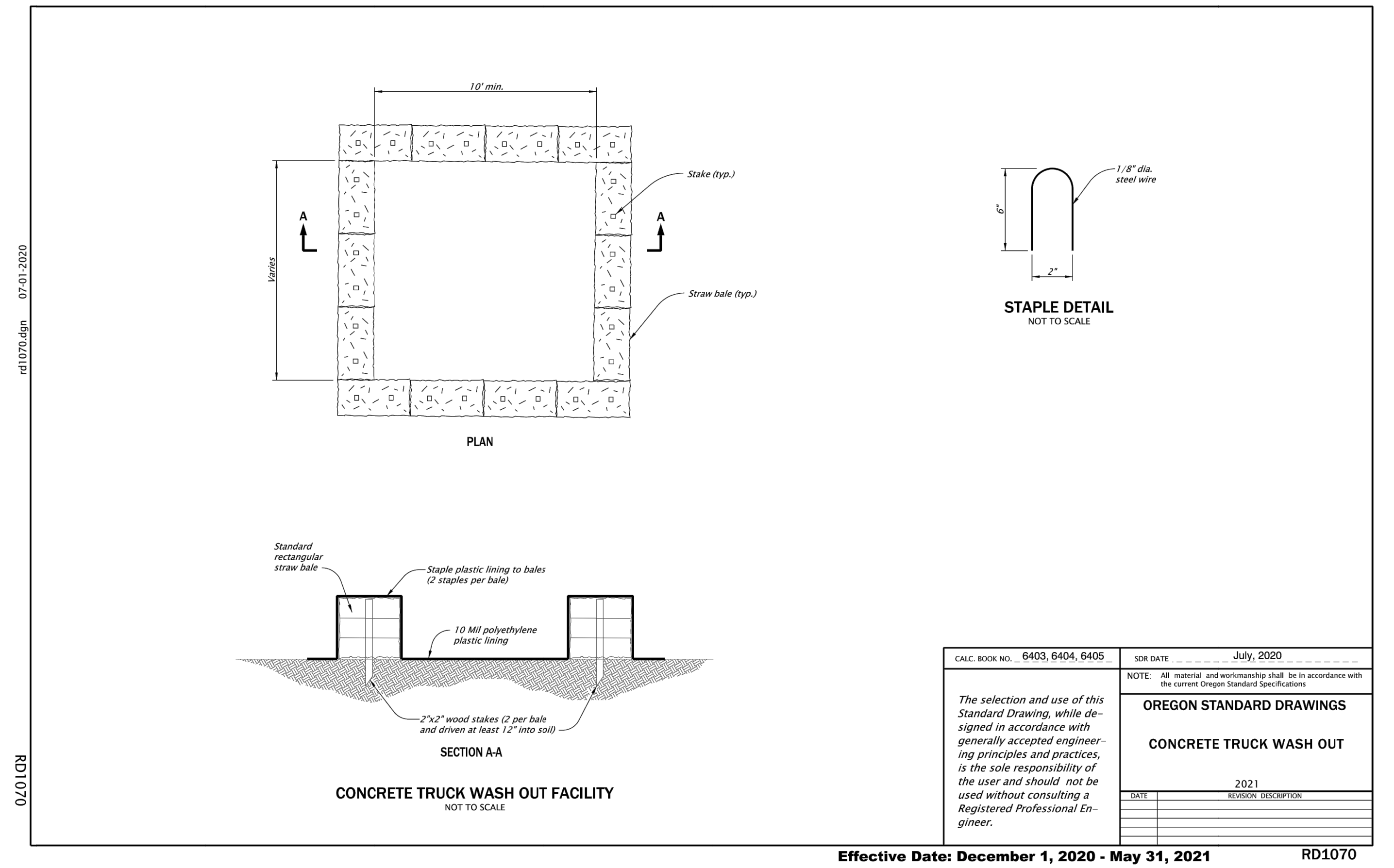
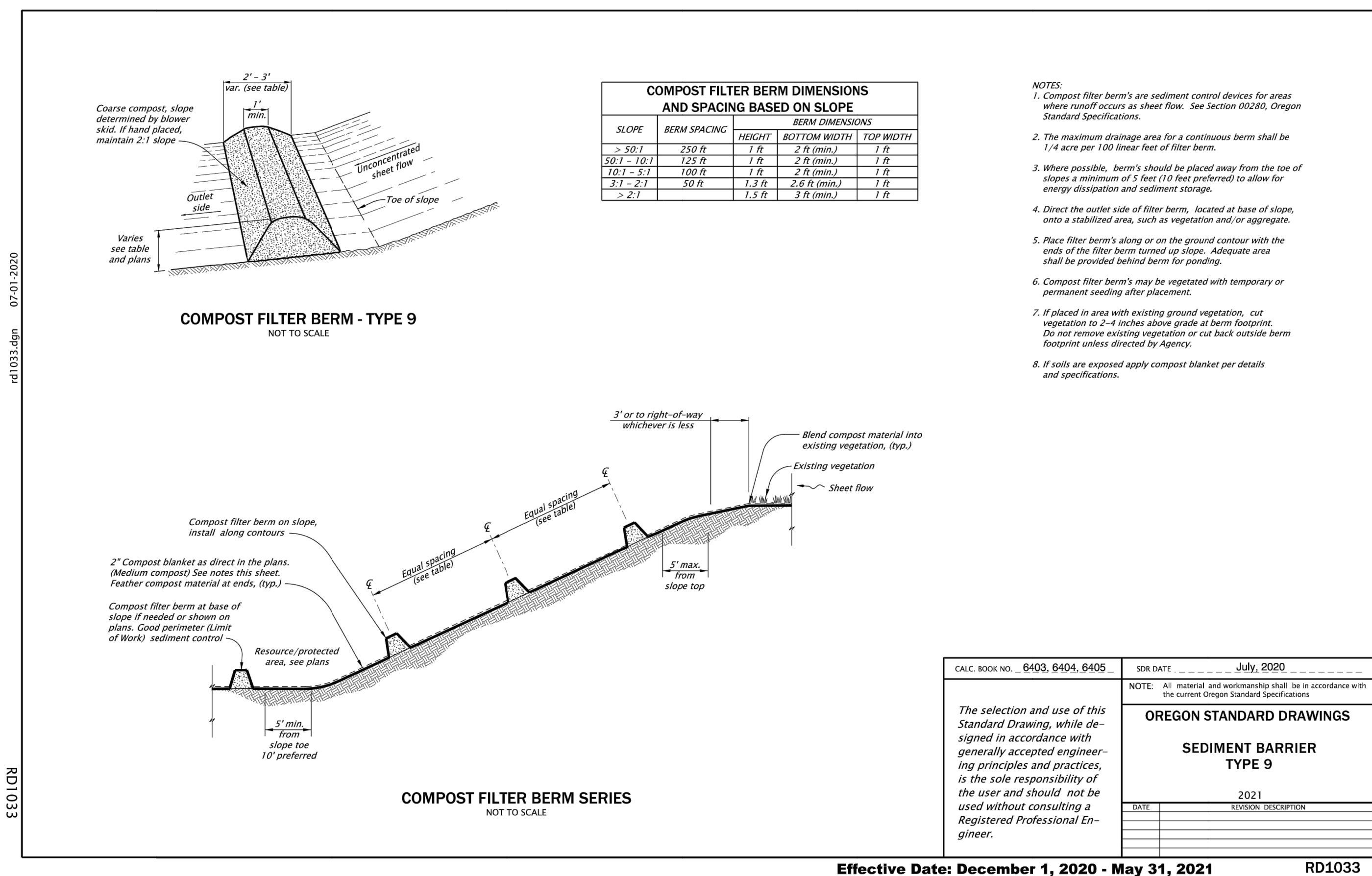
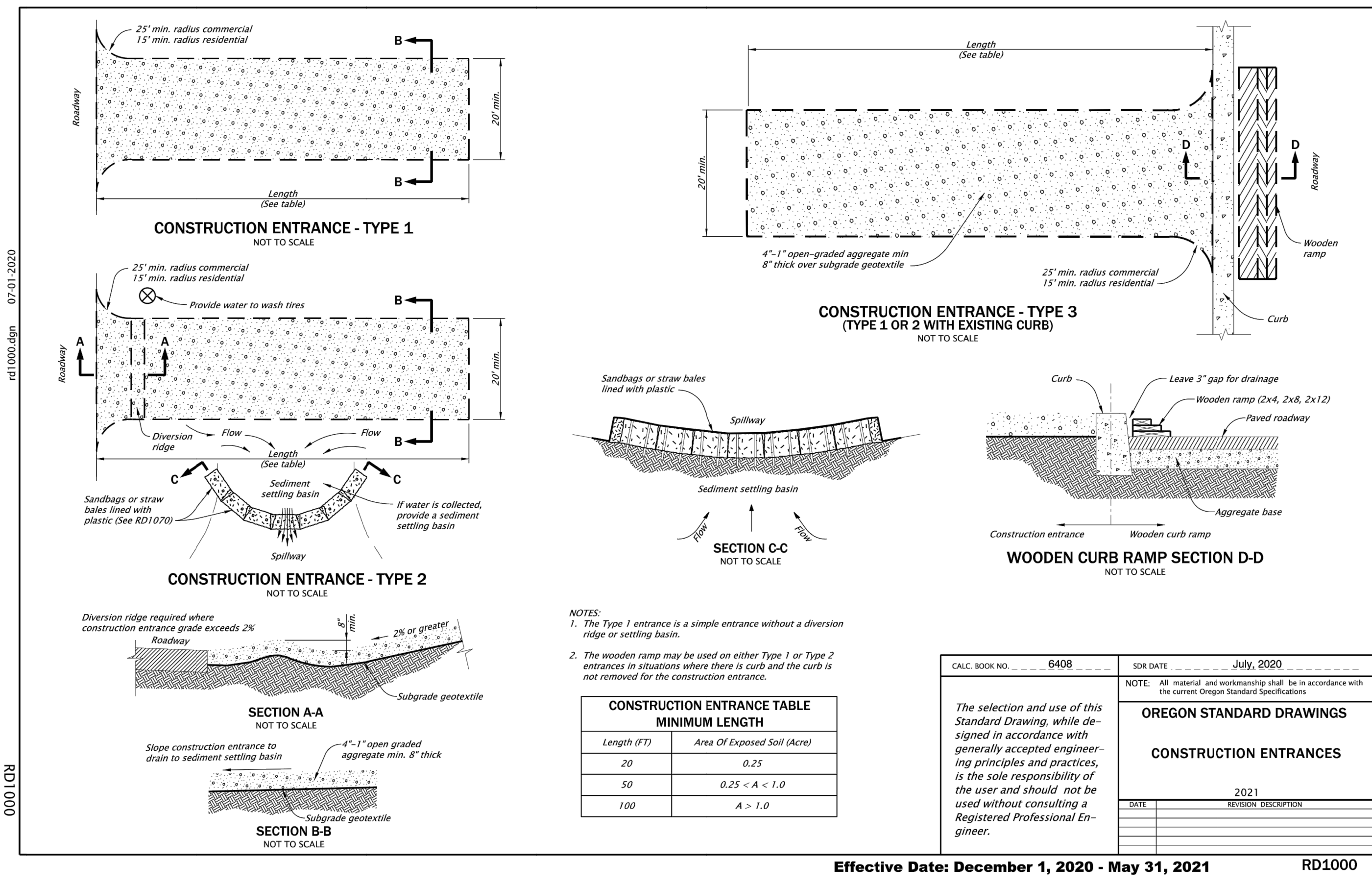
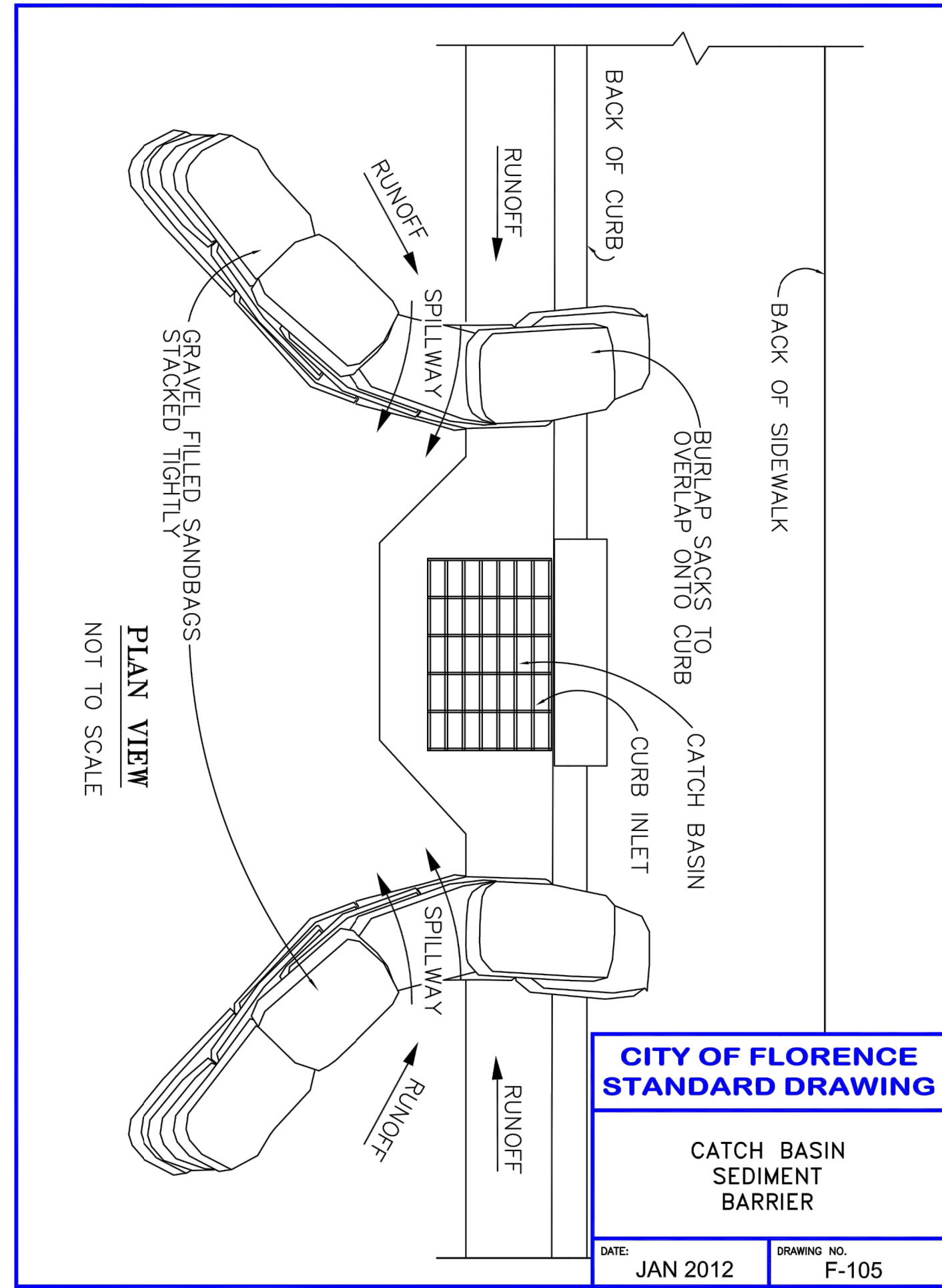
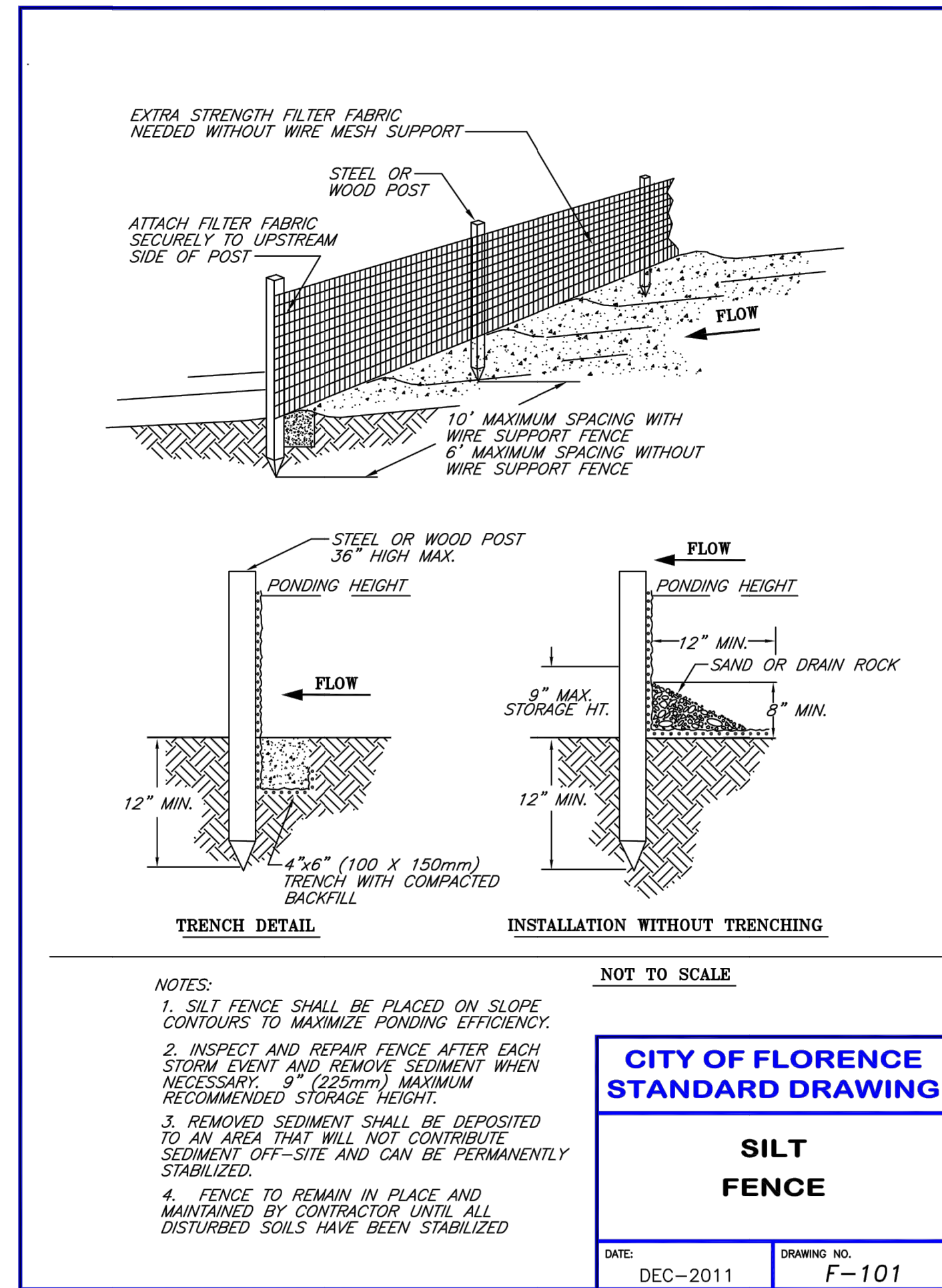


**THREE MILE PRAIRIE SUBDIVISION  
 PHASE 1 CONSTRUCTION DRAWINGS  
 EROSION AND SEDIMENT CONTROL  
 STREET AND UTILITY CONSTRUCTION  
 FLORENCE, OREGON**

No	Description of Revisions	Date	Name

Date	01-25-2021
Job Number	6885-18-0134
Design by	C. BEECROFT
Drawn by	C. BEECROFT
Checked by	C. BEECROFT



**THREE MILE PRAIRIE SUBDIVISION**

**PHASE 1 CONSTRUCTION DRAWINGS**

**EROSION AND SEDIMENT CONTROL**

**STANDARD DRAWINGS AND DETAILS**

**FLORENCE, OREGON**

Date	Description of Revisions	No	Name
01-25-2021			
6885-18-0134			
C. BEECROFT			
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Checked by: C. BEECROFT

DATE: 2021  
REVISION DESCRIPTION: