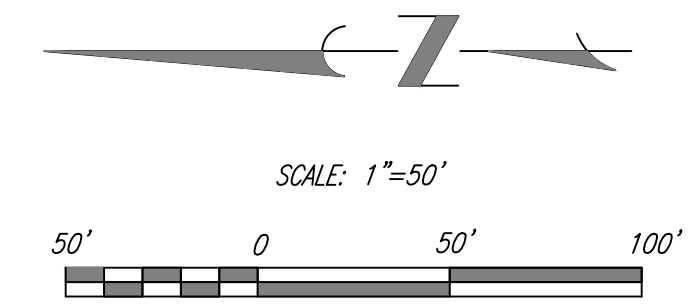
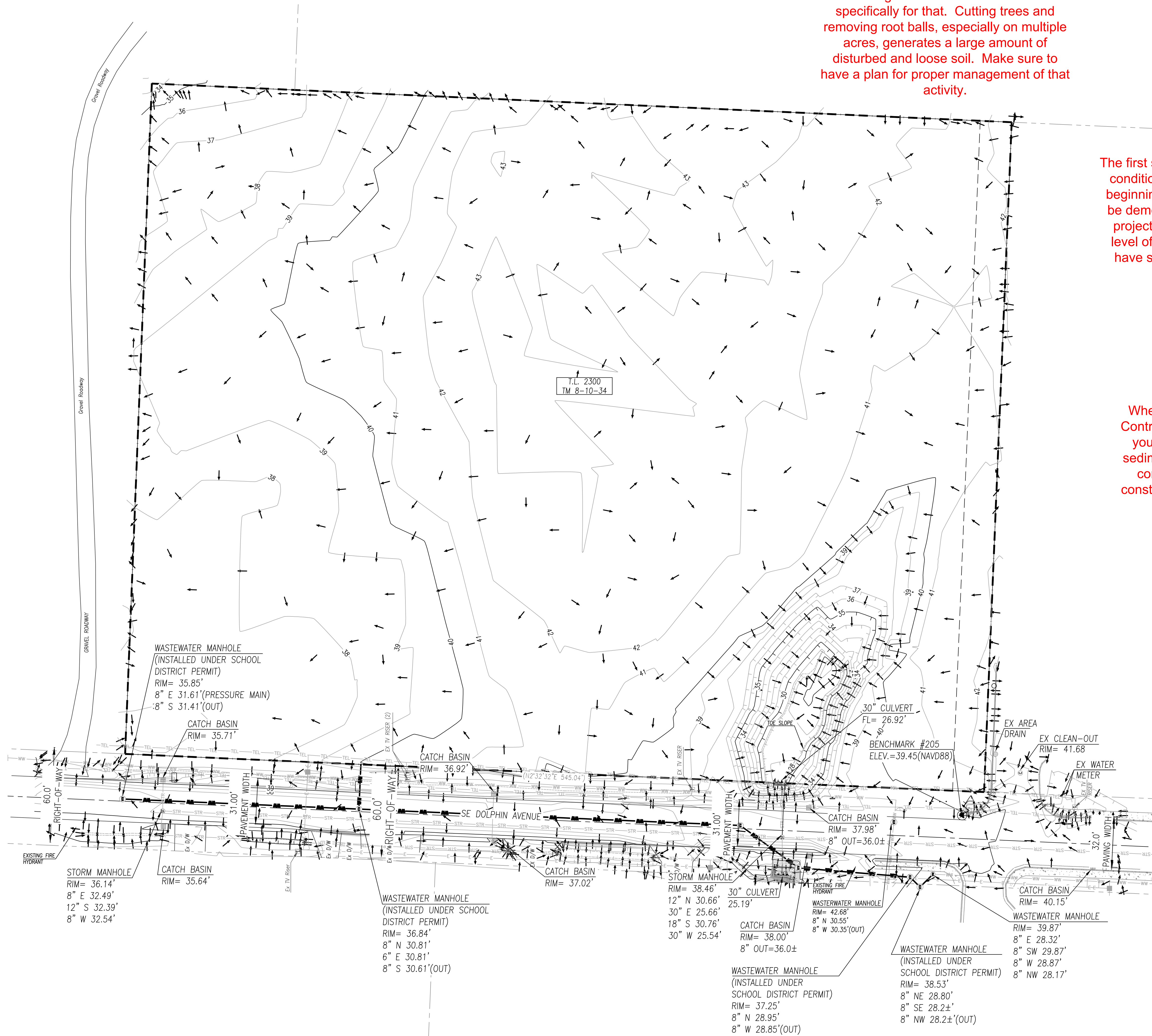


Removing a lot of trees? Draft a sheet specifically for that. Cutting trees and removing root balls, especially on multiple acres, generates a large amount of disturbed and loose soil. Make sure to have a plan for proper management of that activity.



The first sheet should communicate the existing conditions - how is stormwater flowing at the beginning of the project? What structures will be demolished? The beginning stages of the project may not involve grading, but have a level of ground disturbance and staging that have specific erosion and sediment control needs.

When drafting your Erosion and Sediment Control Plan, consider the different stages of your project and the specific erosion and sediment control needs of each stage. Also consider your audience: make sure the construction crews can read and understand the plans.

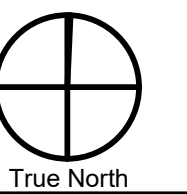


ESCP PREPARER:

CONSULTANT:

PROJECT NUMBER: 218113

KEY PLAN:

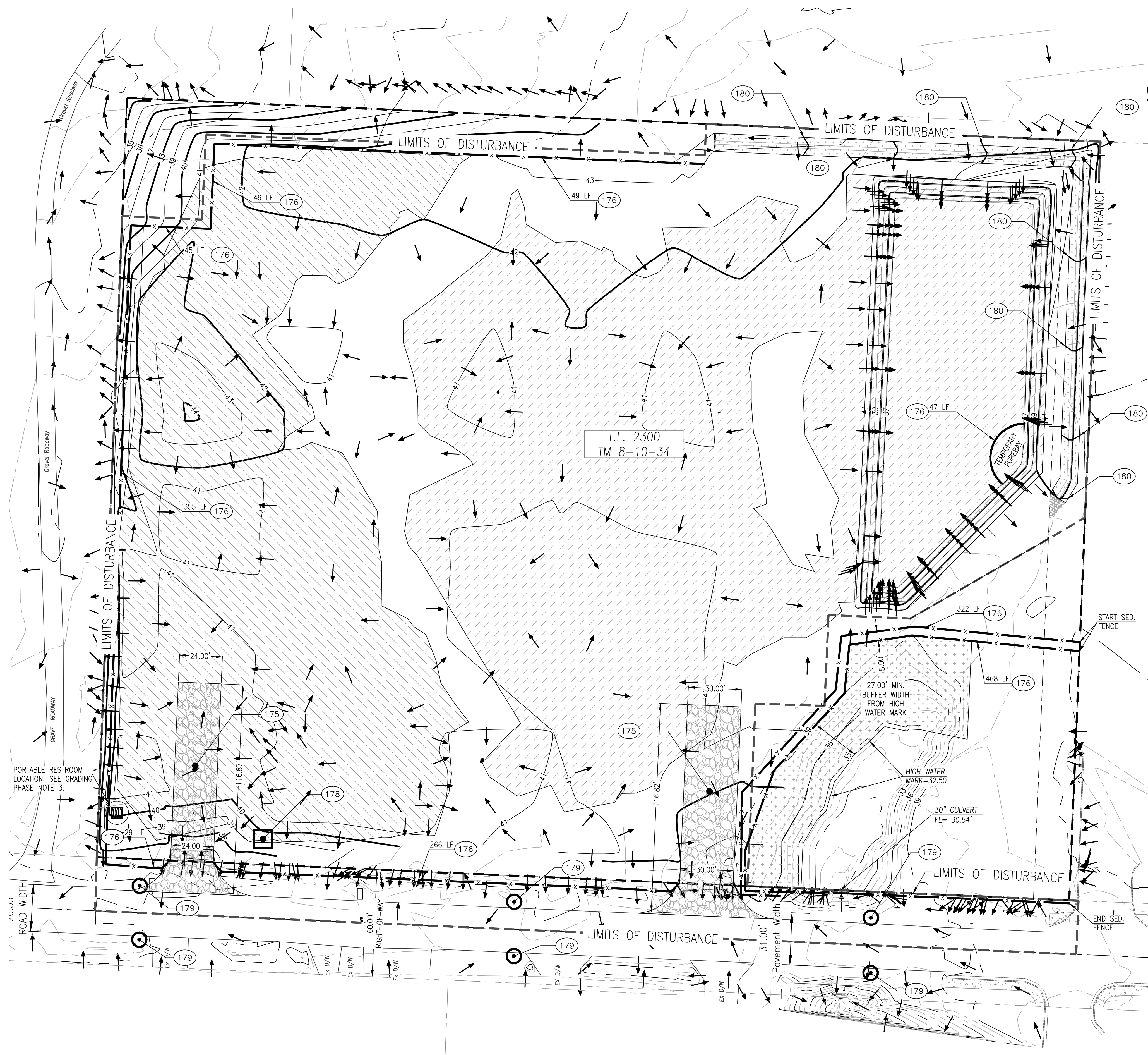
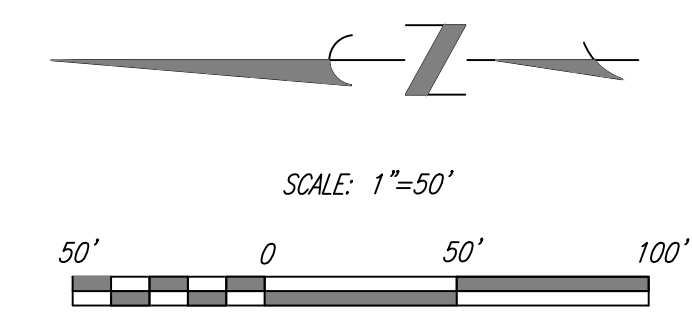


SHEET TITLE:

**ESCP
EXISTING
CONDITIONS**

DRAWN BY: ACH

1 PLAN CHECK RESPONSE 12-23-20



- CONSTRUCTION NOTES**
175. CONSTRUCT CRUSHED ROCK ACCESS PAD. PROVIDE 6" MINIMUM DEPTH 2"-3" CRUSHED ROCK COMPACTED TO 90% MAXIMUM DENSITY. PAD SHALL BE 20' MIN WIDTH BY 50' LONG. REFER TO SHEET EC-8.0 FOR DETAIL.
 176. CONSTRUCT SEDIMENTATION CONTROL SILT FENCING PER DETAIL. REFER TO SHEET EC-8.0.
 178. CONSTRUCT CONCRETE WASHOUT AREA AS PER DETAIL. REFER TO SHEET EC-8.0.
 179. INSTALL CATCH BASIN FILTER INSERT PER DETAIL ON SHEET EC-8.0.
 180. INSTALL TYPE 3 BIOFILTER BAG CHECK DAM AT 50' INTERVALS PER DETAIL ON SHEET EC-8.0.

LEGEND

	AREA OF FILL (+1.00' OR GREATER)
	AREA OF CUT (-1.00' OR GREATER)
	HYDROSEEDING FOR FINAL STABILIZATION
	UNDISTURBED NATURAL BUFFER AREA
	EXISTING 1' CONTOUR LINE
	FINISHED GRADE CONTOURS
	DRAINAGE FLOW ARROW

GRADING PHASE INFORMATION:

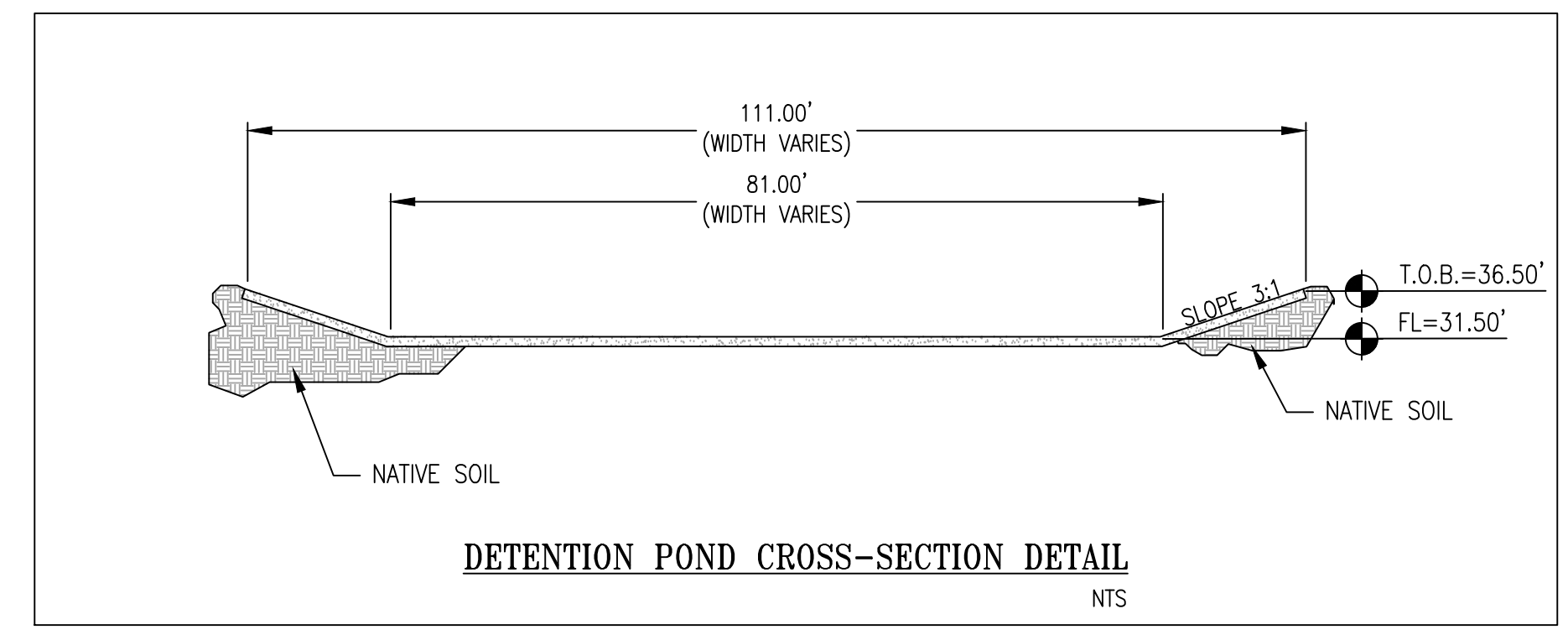
1. ONSITE SOIL TYPES:
 - A) WALLUSKI MEDIAL SILT LOAM-HYDROLOGIC GROUP C-100%
2. EXISTING VEGETATION CONSISTS OF A MIX OF HERBACEOUS-WOODY UNDERSTORY SHRUBS AND GROUNDCOVERS AND IS DOMINATED BY SCOTCH BROOM.
2. CUT AND FILL DATA:
 - CUT: 9,155 CU. YD.
 - FILL (1.20 FACTOR): 4500 CU. YD.
 - NET ADJUSTED: 4,655 CU. YD. (CUT)
3. ONSITE FILL MATERIALS:
 - NATIVE SOIL
 - CRUSHED ROCK
3. PHASE SCHEDULE:
 - START: FEBRUARY 2021
 - FINISH: APRIL 2021

GRADING PHASE NOTES:

1. DRAINAGE DITCH ALONG THE SOUTH AND EAST BOUNDARY SHALL BE PERMANENTLY SEEDED AS SOON AS POSSIBLE AFTER EXCAVATION.
2. ANY STORM RUNOFF CONVEYED BY THE DRAINAGE DITCH MENTIONED ABOVE IS TO BE TRAPPED AT THE END OF THE DITCH ON THE WEST AND PUMPED TO THE DETENTION POND WITHIN THE TEMPORARY FOREBAY AREA AS SHOWN.
3. IN CASE OF SPILLS FROM THE PORTABLE RESTROOM. REFER TO THE SPILL PLAN.
4. STRAW MULCH AND/OR HYDROSEED SHALL BE USED FOR TEMPORARY STABILIZATION OF EXPOSED SOILS AFTER EXCAVATION.
5. HYDROSEED FOR TEMPORARY STABILIZATION TO BE SUNMARK SEEDS TURF WORX MIX PER DETAIL ON THIS SHEET.

Add Seed Mix Information Here (i.e. composition percentages, supplier, total amount).

ADD STOCKPILE AREA AND STAGING AREA THAT INCLUDES SANITARY FACILITY AND WASTE RECEPTACLE WITH LID.



INCLUDE POND (BASIN) VOLUME TO MEET 2.2.17 SIZING REQUIREMENT. ADD RESTORATION PLAN IF UTILIZED DURING CONSTRUCTION ACTIVITIES.

ESCP PREPARER:
 A legend is always necessary. Any symbol you use needs to be defined here. You can use numbered or lettered keynotes for descriptions as well.

CONSULTANT:

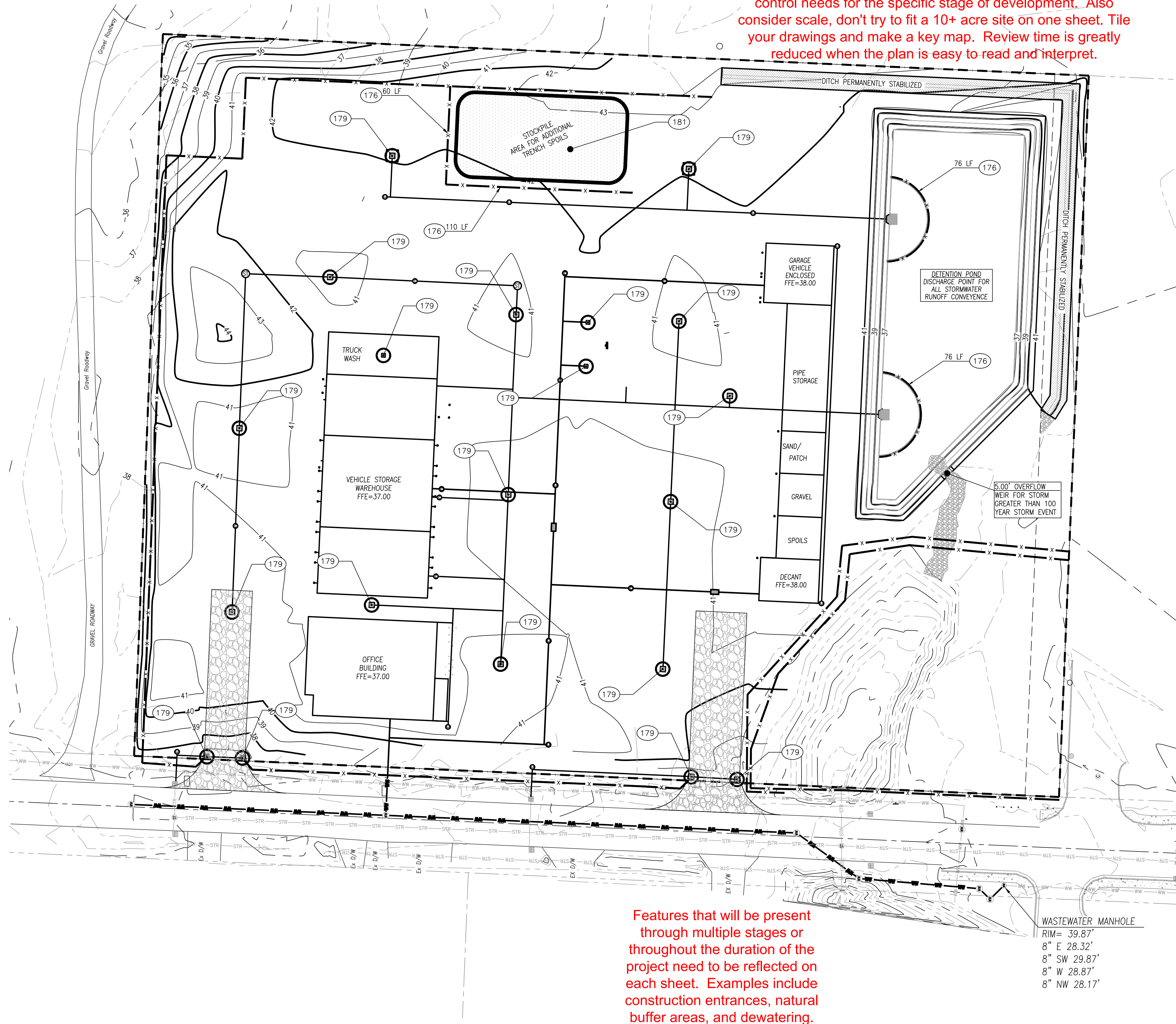
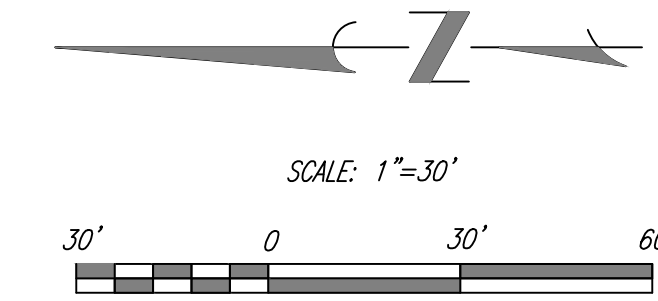
PROJECT NUMBER: 218113

KEY PLAN:

True North
 SHEET TITLE: **ESCP DEMO, CLEARING, GRADING, EXCAVATING, AND LAND DEVELOPMENT PLAN**

DRAWN BY: ACH
 1 PLAN CHECK RESPONSE 12-23-20

Don't crowd the map! Provide the minimum amount of information necessary to communicate the erosion and sediment control needs for the specific stage of development. Also consider scale, don't try to fit a 10+ acre site on one sheet. Tile your drawings and make a key map. Review time is greatly reduced when the plan is easy to read and interpret.



UTILITIES PHASE INFORMATION:
 1. PHASE SCHEDULE:
 START: APRIL 2021
 FINISH: MAY 2021

UTILITIES PHASE NOTES:
 1. PROPOSED DETENTION POND TO BE DISCHARGE POINT FOR ALL STORMWATER RUNOFF CONVEYANCE.
 2. ANY TRENCH DEWATERING SHALL BE DISCHARGED THROUGH A FILTER BAG INTO DETENTION POND WITHIN THE FOREBAY AREAS AS SHOWN.
 3. STRAW MULCH AND/OR HYDROSEED SHALL BE USED FOR TEMPORARY STABILIZATION OF ANY EXPOSED TRENCH SPOILS (INCLUDING STOCKPILE IF PLASTIC SHEETING DOESN'T WORK).

CONSTRUCTION NOTES
 176. CONSTRUCT SEDIMENTATION CONTROL SILT FENCING PER DETAIL. REFER TO SHEET EC-8.0.
 179. INSTALL CATCH BASIN FILTER INSERT PER DETAIL ON SHEET EC-8.0.
 181. STOCK PILE TO BE COVERED WITH PLASTIC HELD DOWN BY SANDBAGS WHEN NOT IN USE.

ADD STAGING AREA THAT INCLUDES SANITARY FACILITY AND WASTE RECEPTACLE WITH LID.

If possible, determine the background turbidity of the receiving waterbody. Make sure that the discharges from your site are no more than 10% higher than that number.

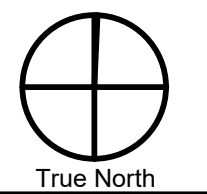
Features that will be present through multiple stages or throughout the duration of the project need to be reflected on each sheet. Examples include construction entrances, natural buffer areas, and dewatering.

All dewatering must be addressed and managed appropriately, even authorized (non-polluted) dewatering.

CONSULTANT:

PROJECT NUMBER: 218113

KEY PLAN:

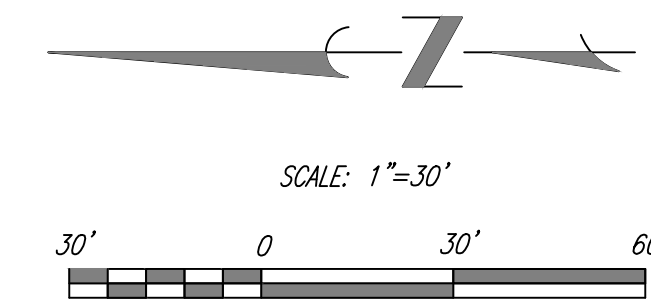


SHEET TITLE:
ESCP STREET AND UTILITIES

DRAWN BY: ACH

1 PLAN CHECK RESPONSE 12-23-20

SHEET:
EC-4.0
 100% DESIGN DEVELOPMENT
 SEPTEMBER 28TH, 2020



OFFSITE PHASE INFORMATION:

1. PHASE SCHEDULE:
 START: JULY 2021
 FINISH: AUGUST 2021

2. LINEAR FOOTAGE OF STREET IMPROVEMENT: 550 LF

OFFSITE PHASE NOTES:

1. HATCHED AREA SHOWN IS AREA THAT WAS DISTURBED BY CONSTRUCTION ACTIVITY DURING THE CONSTRUCTION OF THE CONCRETE HEADWALL (2008) AS SHOWN ON PLAN. NO DISTURBANCE SHALL TAKE PLACE OUTSIDE OF SEDIMENT FENCING CONGRUENT WITH HEADWALL AS SHOWN ON PLAN.

2. CONCRETE WASHOUT FOR ALL CONCRETE WORK WITHIN SE DOLPHIN AVENUE IS ONSITE AS SHOWN ON SHEET EC-3.0.

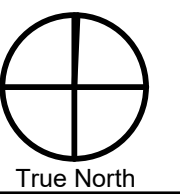
3. CATCH BASIN FILTER INSERTS TO REMAIN UNTIL THE COMPLETION OF THE OFFSITE PHASE.

IF SURFACE WATERS ARE RETAINED ON-SITE, THE NATURAL BUFFER IS MEASURED FROM THE EDGE OF THE WATERBODY TOWARD THE UPLAND. IF LESS THAN 50' OF THE NATURAL BUFFER IS MAINTAINED, BE SURE TO PROVIDE ADDITIONAL SEDIMENT AND EROSION CONTROLS AND THE RATIONALE FOR CHOOSING THE SELECTED BMP(S).

CONSULTANT:

PROJECT NUMBER: 218113

KEY PLAN:



True North

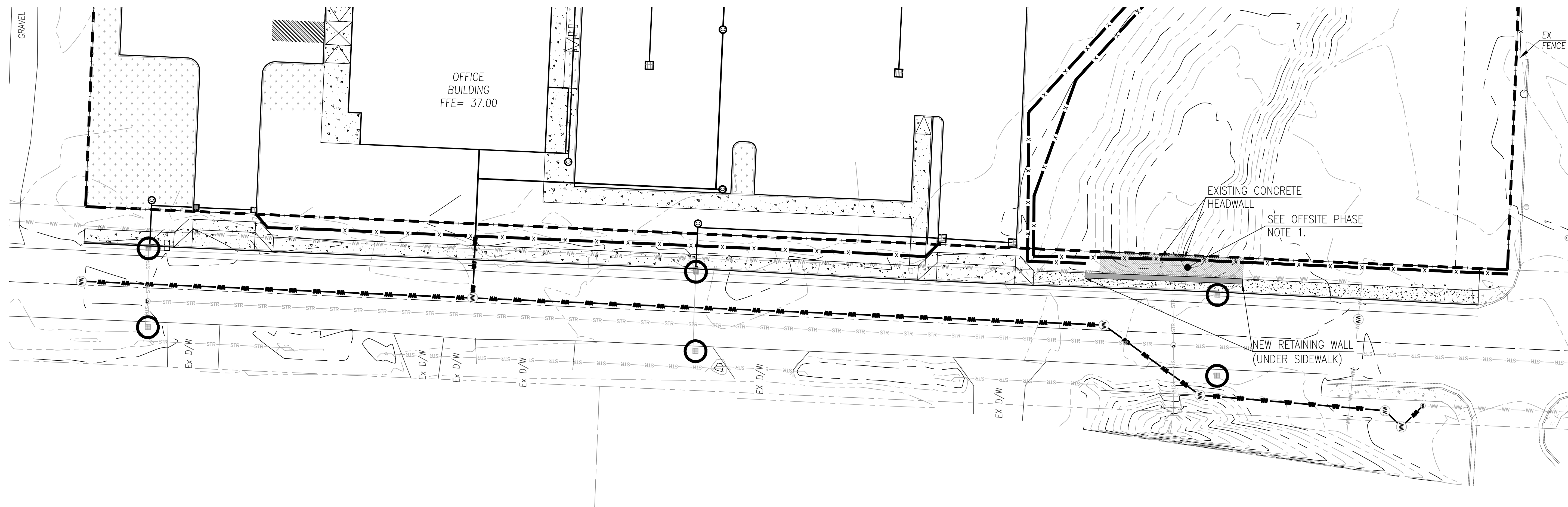
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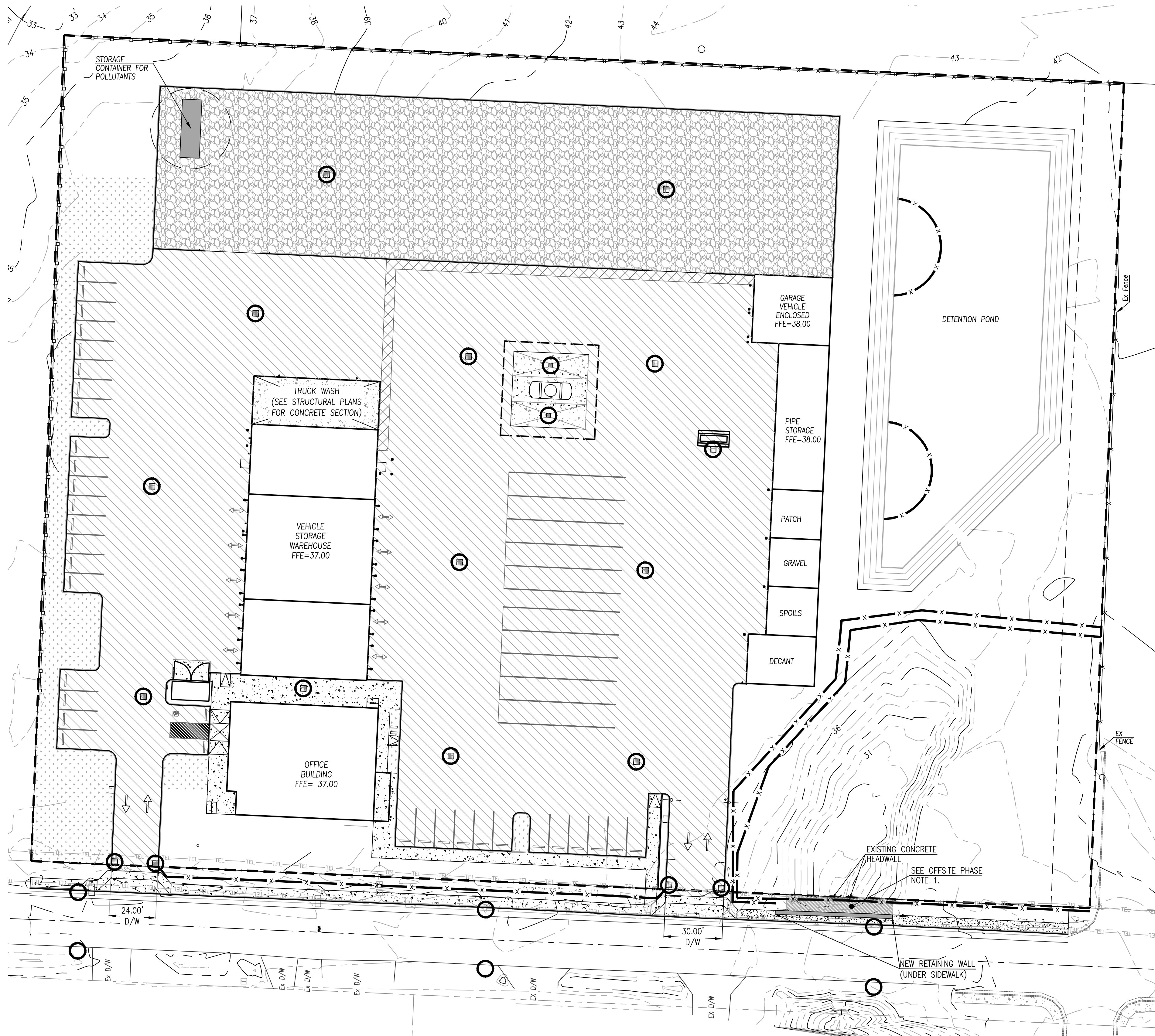
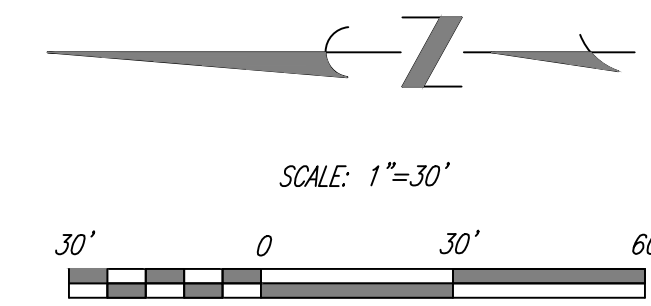
**ESCP
 OFFISTE
 SE MAIN AVE.**

DRAWN BY: ACH

1 PLAN CHECK RESPONSE 12-23-20

SHEET:
EC-5.0
 100% DESIGN DEVELOPMENT
 SEPTEMBER 28TH, 2020





VERTICAL CONSTRUCTION PHASE INFORMATION:

1. PHASE SCHEDULE:
 START: APRIL 2021
 FINISH: NOVEMBER 2021

VERTICAL CONSTRUCTION PHASE NOTES:

1. ALL CONSTRUCTION MATERIALS THAT COULD LEAD TO POLLUTION IF SPILLED NOT IN IMMEDIATE USE SHALL BE STORED IN A STORAGE BOX AT THE NORTH EAST OF THE SITE (AS SHOWN) TO PREVENT SPILLS AND EXPOSURE TO WET WEATHER.
2. FOR SPILL PREVENTION SPILL KITS AND OTHER SPILL CONTAINMENT DEVICES (I.E. WATTLES, ABSORBENT SOCKS/BOOMS, ORGANIC OIL ABSORBENT AGENT, ETC.) SHALL BE KEPT ONSITE WITHIN THE STORAGE CONTAINER MENTIONED ABOVE THROUGH THE COMPLETION OF THE PROJECT.

Continue to be mindful of data crowding throughout the plan. Only provide information necessary to the specific stage.

CONSULTANT:

PROJECT NUMBER: 218113

KEY PLAN:

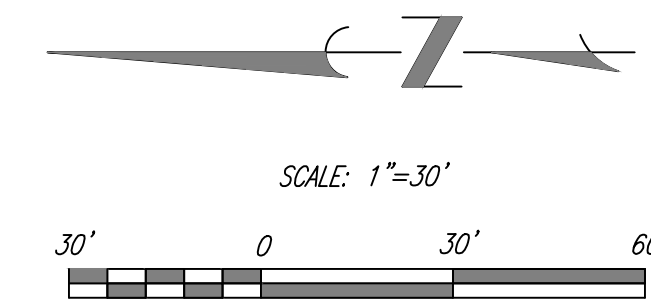


SHEET TITLE:

**ESCP
 VERTICAL
 CONSTRUCTION
 PLAN**

DRAWN BY: ACH

1 PLAN CHECK RESPONSE 12-23-20



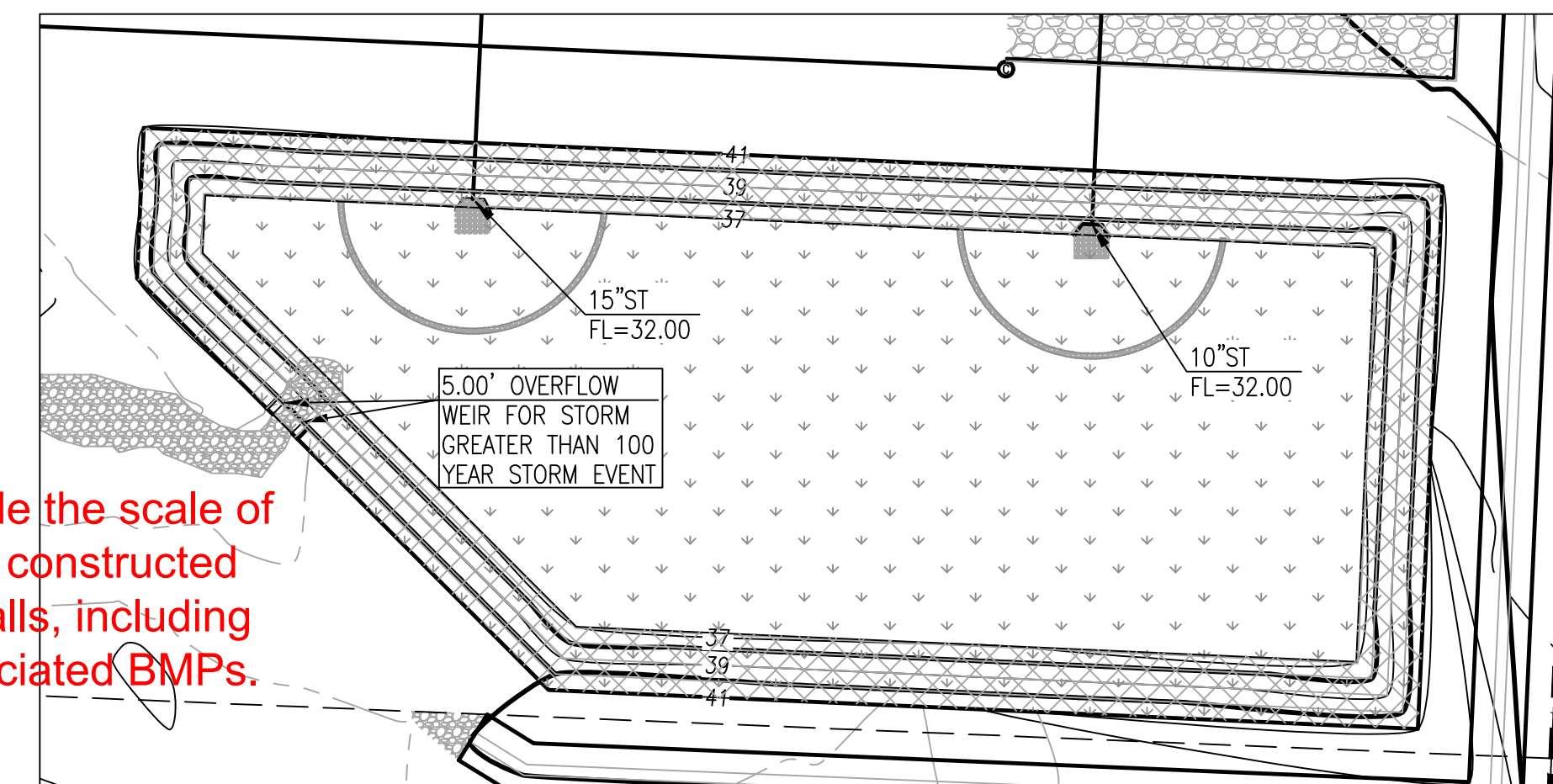
FINAL STABILIZATION PHASE INFORMATION:
 1. PHASE SCHEDULE:
 START: JULY 2021
 FINISH: AUGUST 2021

FINAL STABILIZATION PHASE NOTES:
 1. ALL PERIMETER SEDIMENT FENCING AND CATCH BASIN FILTER INSERTS TO BE REMOVED UPON COMPLETION OF THIS PHASE.

PLANTINGS LISTS

DETENTION POND

PLANTING ZONE	HATCH/CODE	HYDROSEED MIX	COMMON NAME	QUANTITY	COMMENTS	JUTE MAT*
100 PERCENT COVERAGE	[Hatch Pattern]	1/3 Perennial Rye, 1/3 Patriot II Perennial Rye and 1/3 Evening Shade Perennial Rye.	N/A	8,000 SF	SEED MIX AT MANUFACTURES HIGH RATE	[Hatch Pattern]



NOTES:
 1. DETENTION POND TO HAVE 12" OF PLANTING MEDIA
 2. SEE LANDSCAPE PLAN FOR PLANTING INFORMATION PREPARED BY GREENWORKS.
 3. ROCK SPLASH PADS SHALL BE CLASS-50 RIP-RAP.

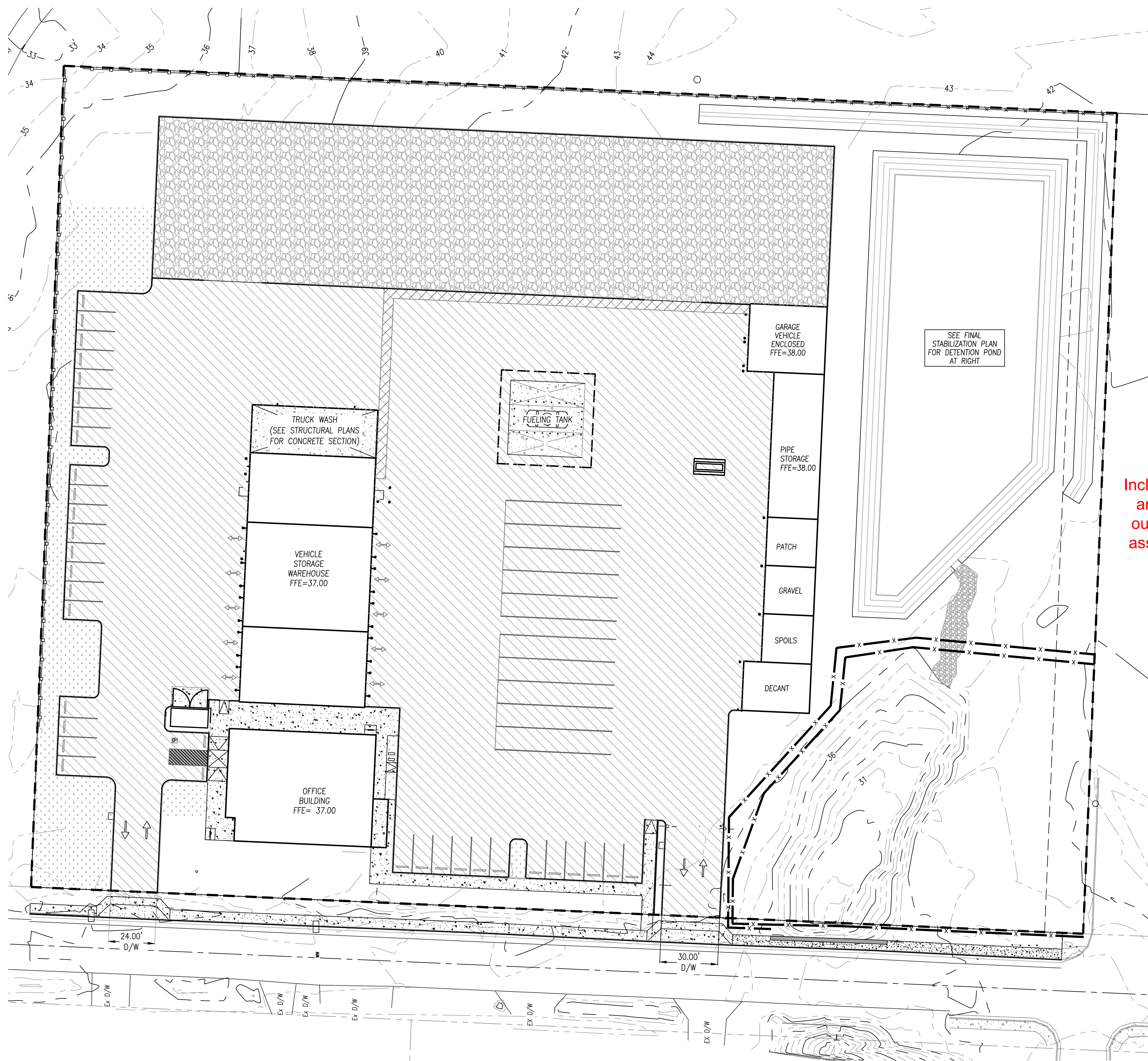
DETENTION POND STABILIZATION
 *1. INSTALL JUTE MATTING PER OREGON STD. DWG RD1055 SLOPE AND CHANNEL MATTING AS PRESCRIBED FOR TEMPORARY SOIL STABILIZATION DURING ESTABLISHMENT IF CONSTRUCTION TAKES PLACE DURING WET WEAETHER SEASON (MAY 1 TO OCTOBER 15).

Include the scale of any constructed outfalls, including associated BMPs.

Onsite detention is a great BMP for stormwater management/treatment. Remember to stabilize the infrastructure prior to use so it does not become a sediment source itself. Consider long term functionality impacts if the feature will be used for post-construction stormwater management.

Note: There are no defined wet/dry seasons or dates in the 1200-CA permit, or allowance for the assumption of dry conditions. The site is expected to manage stormwater any time of year.

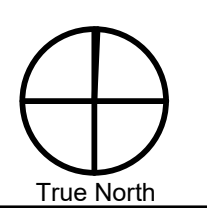
ADD BASIN RESTORATION PLAN, TYPICALLY "EXCAVATE TOP 18" AFTER CONSTRUCTION ACTIVITIES CEASE AND FINAL STABILIZATION IS ACHIEVED. ADD 18" OF APPROVED GROWTH MEDIA BEFORE VEGETATING".



CONSULTANT:

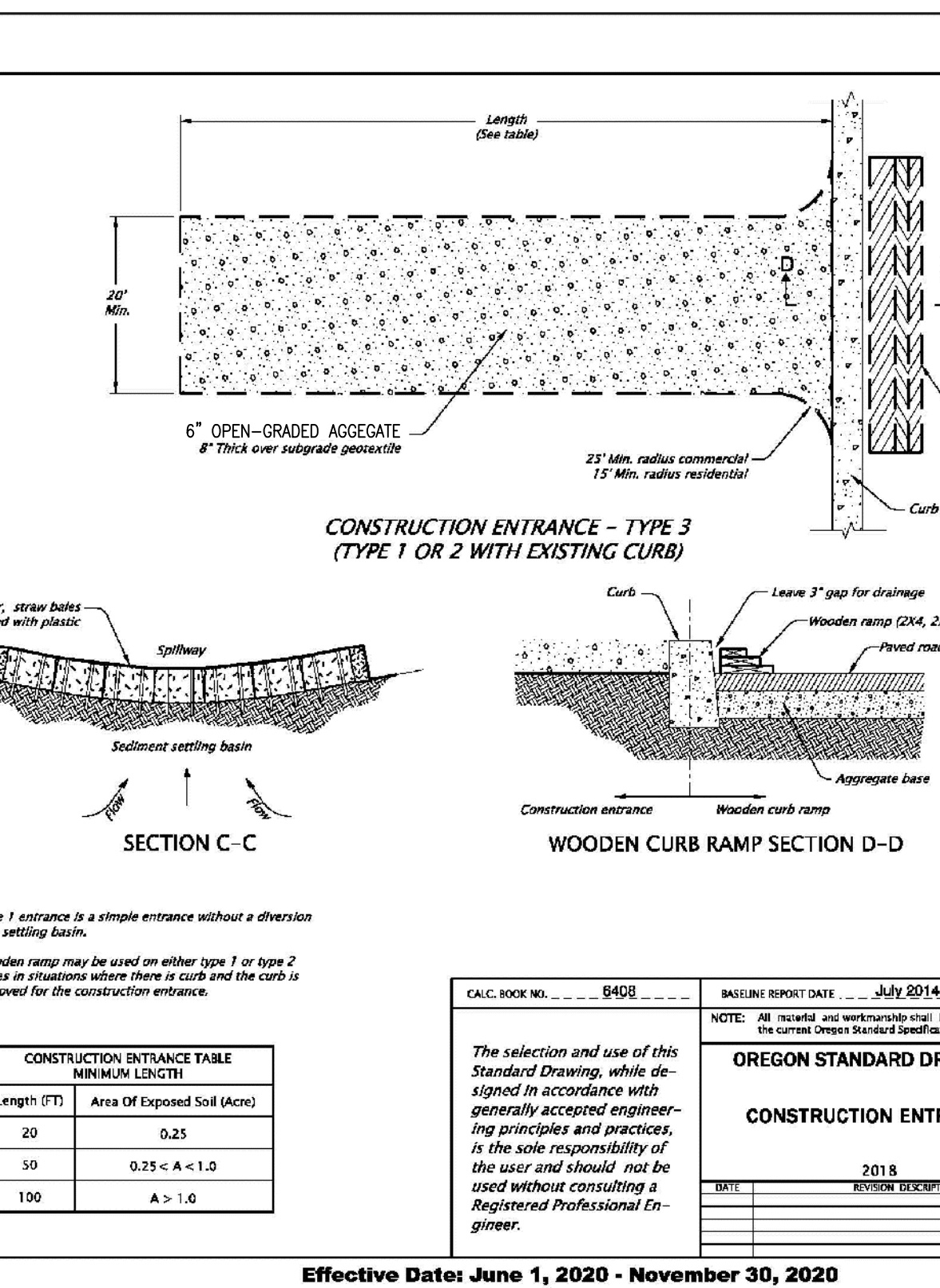
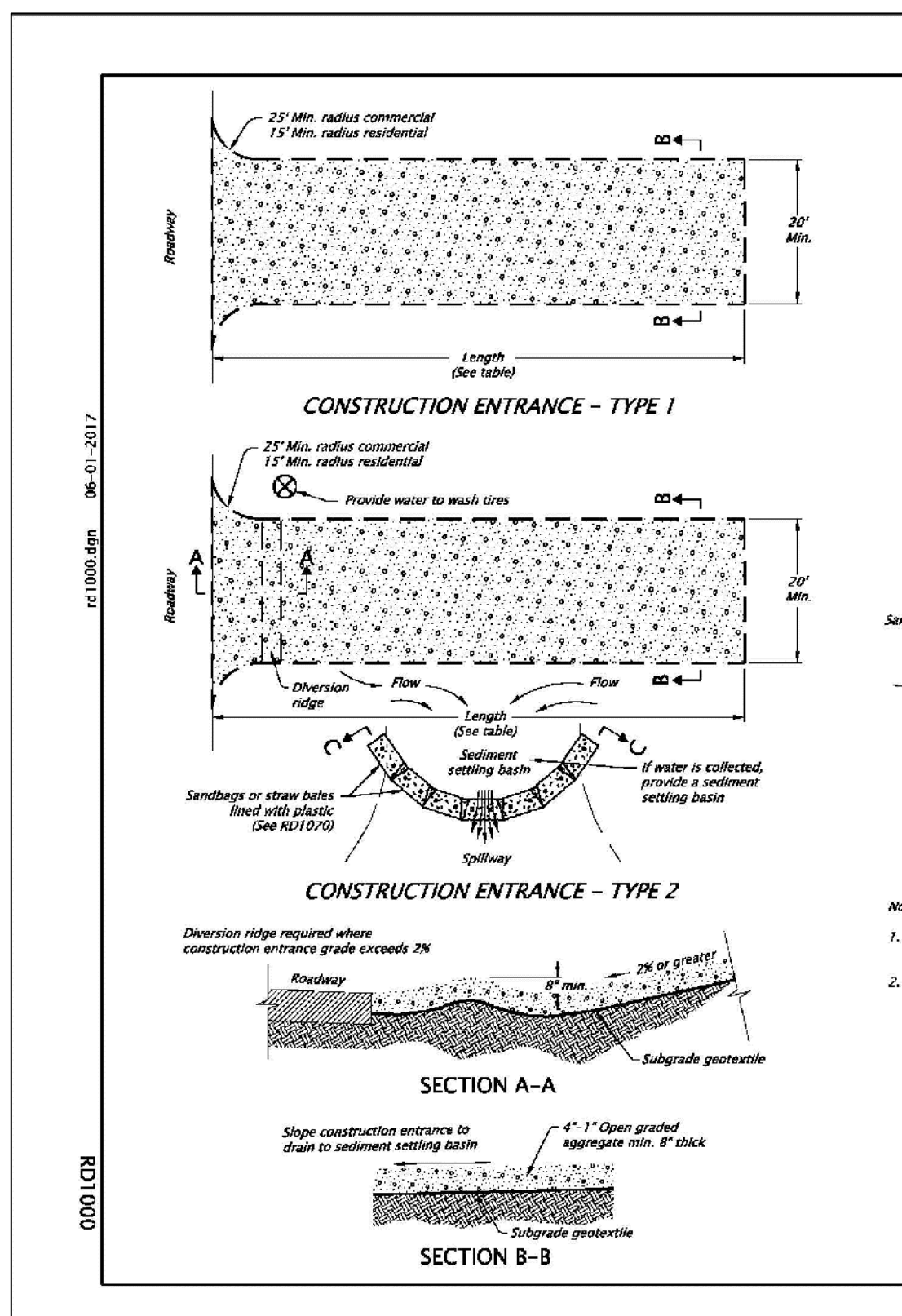
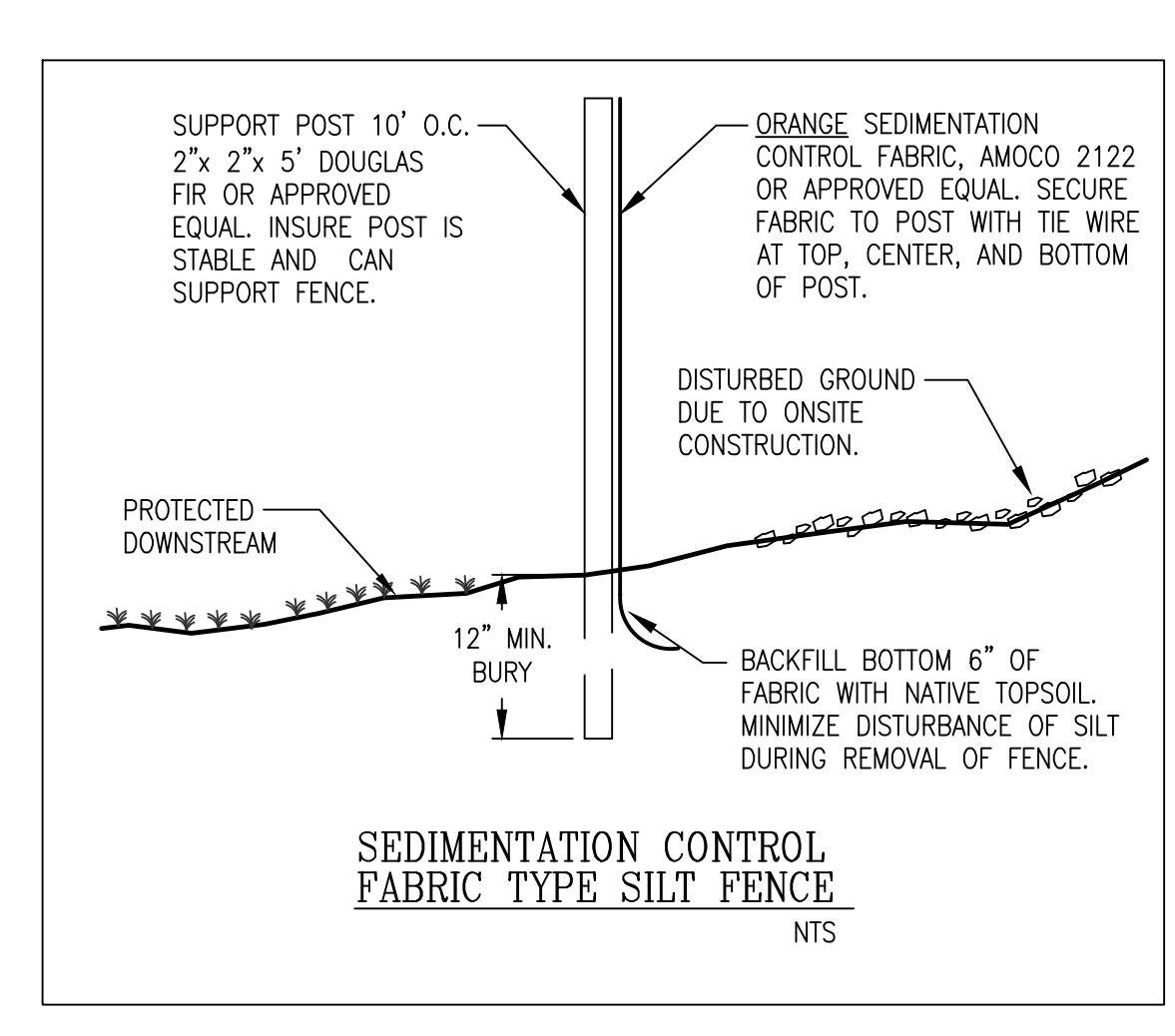
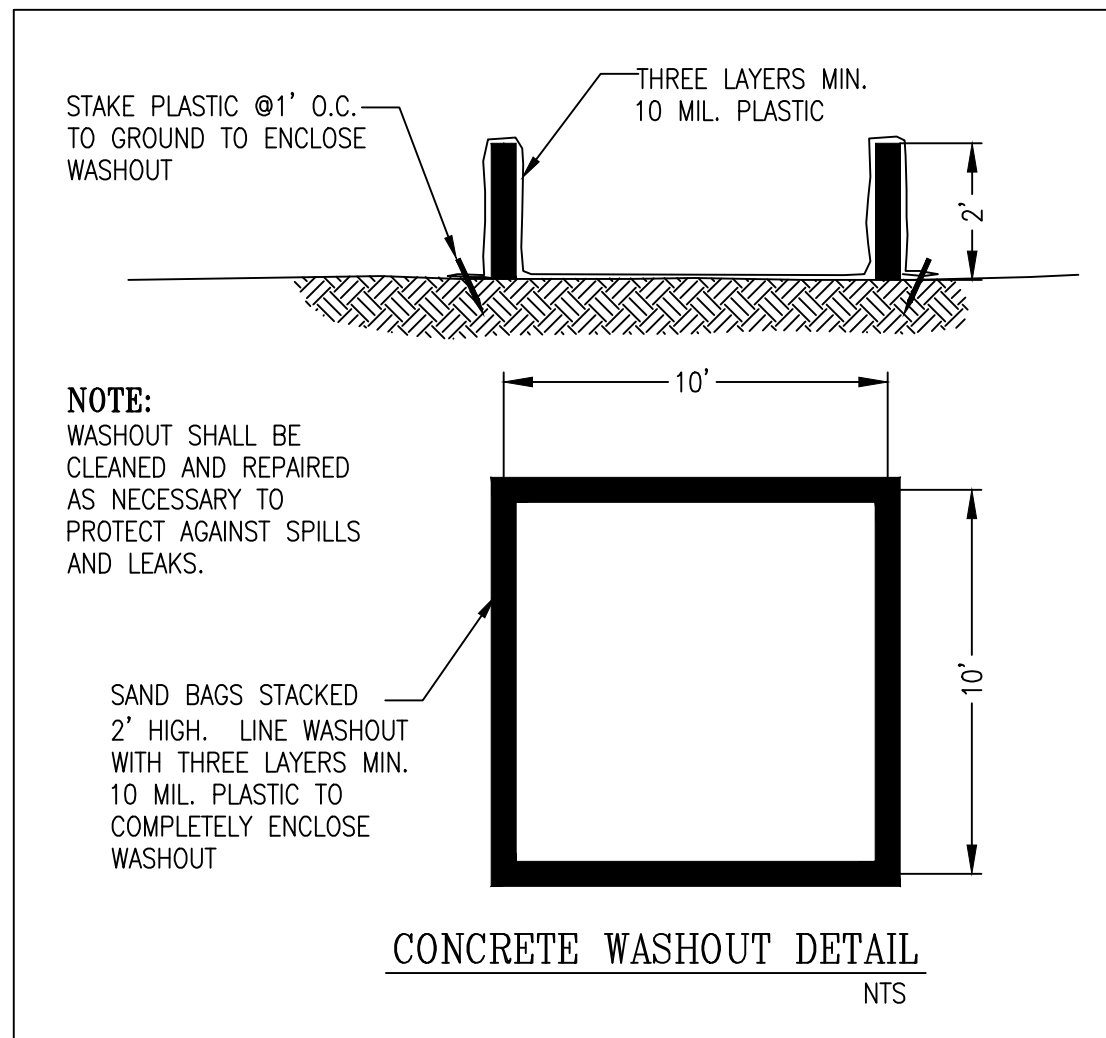
PROJECT NUMBER: 218113

KEY PLAN:

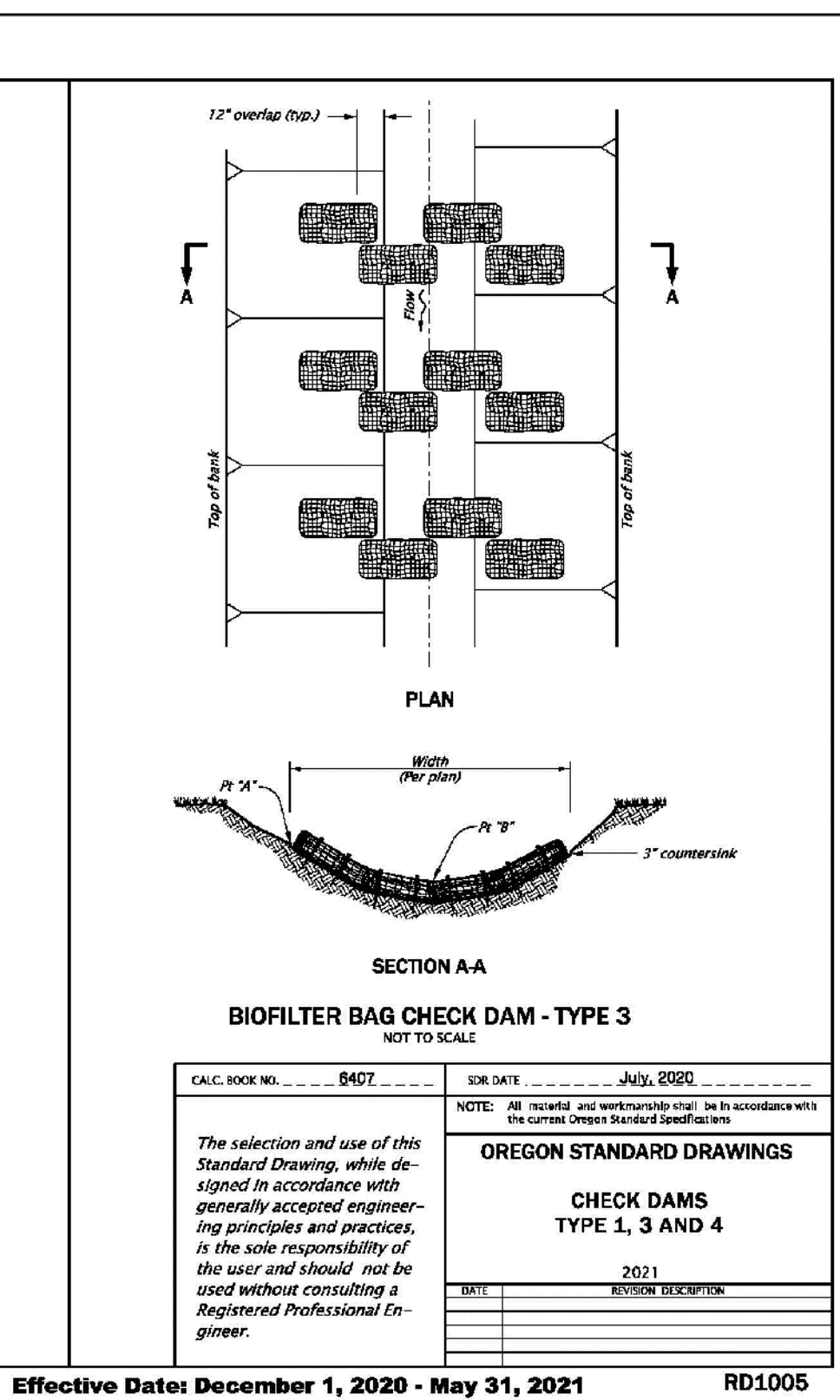
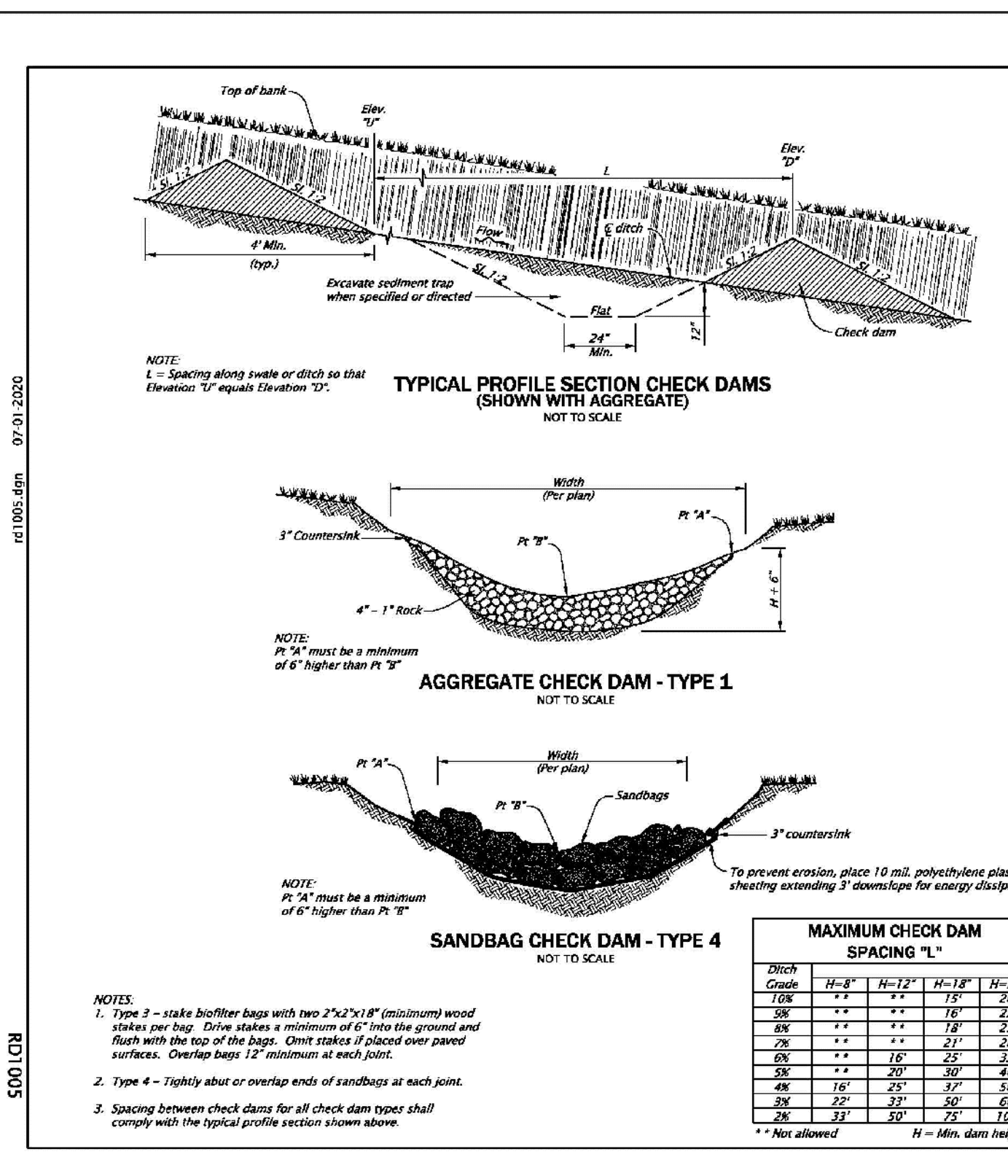


SHEET TITLE:
**ESCP
 FINAL LANDSCAPING
 AND STABILIZATION
 PLAN**

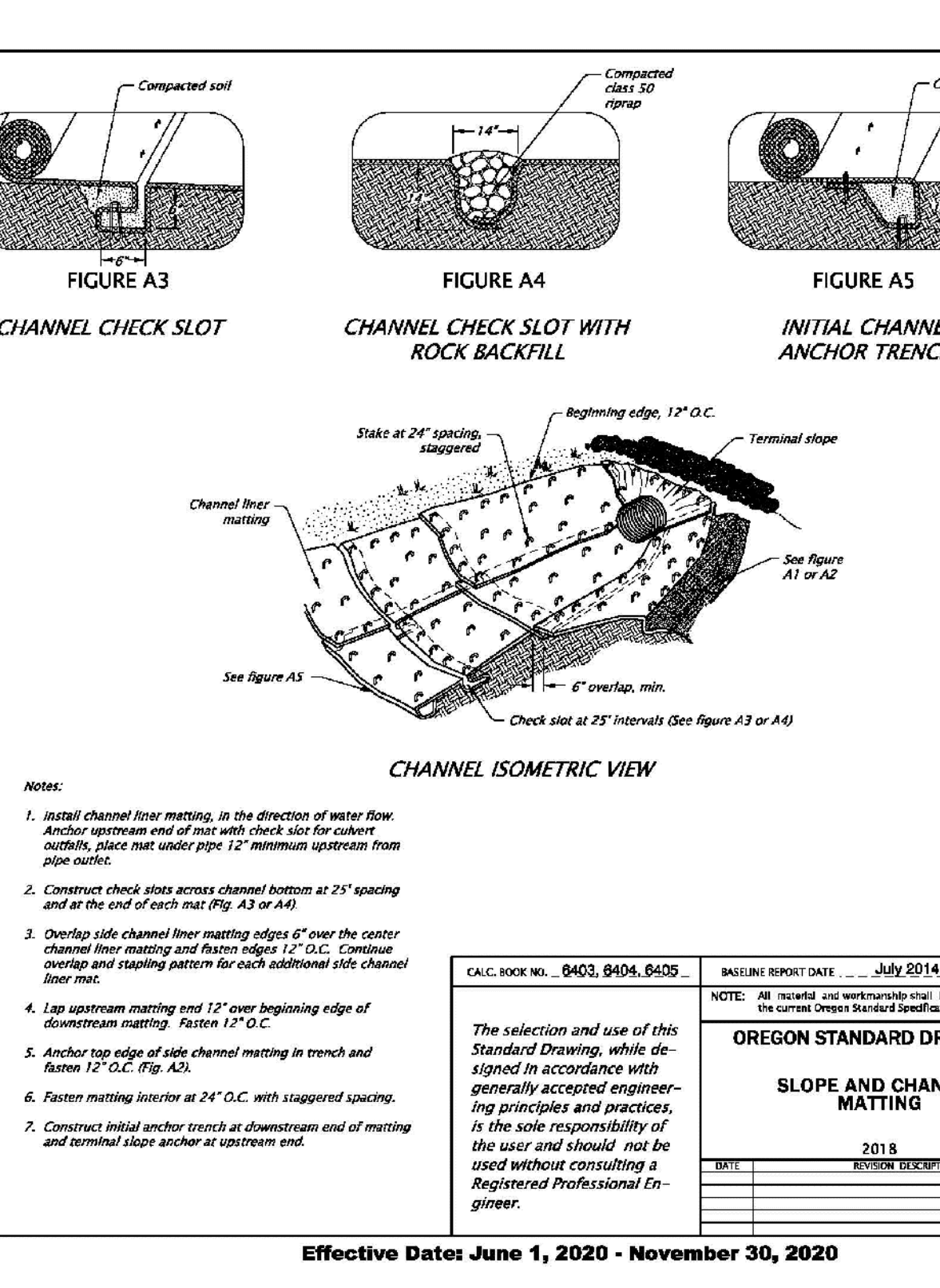
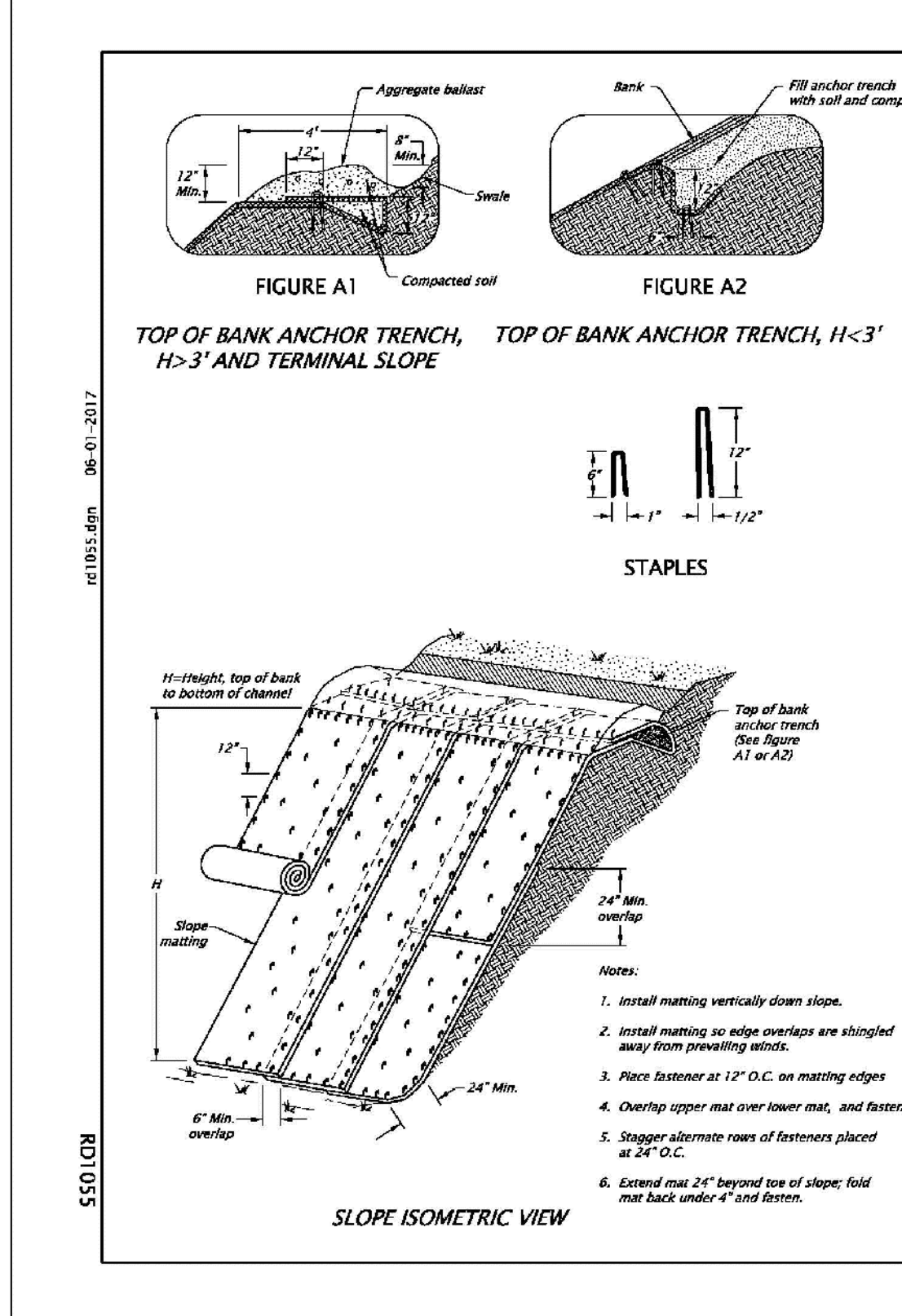
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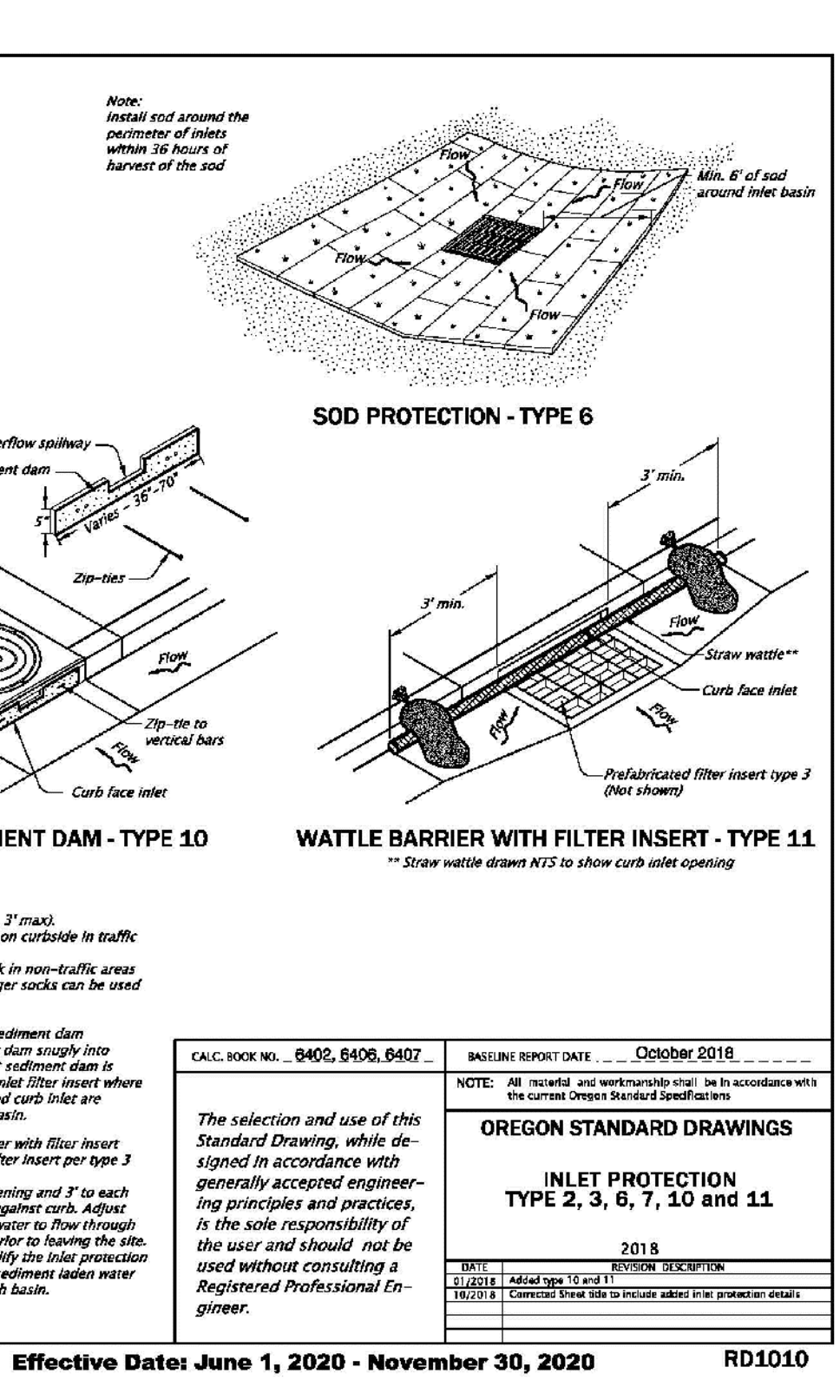
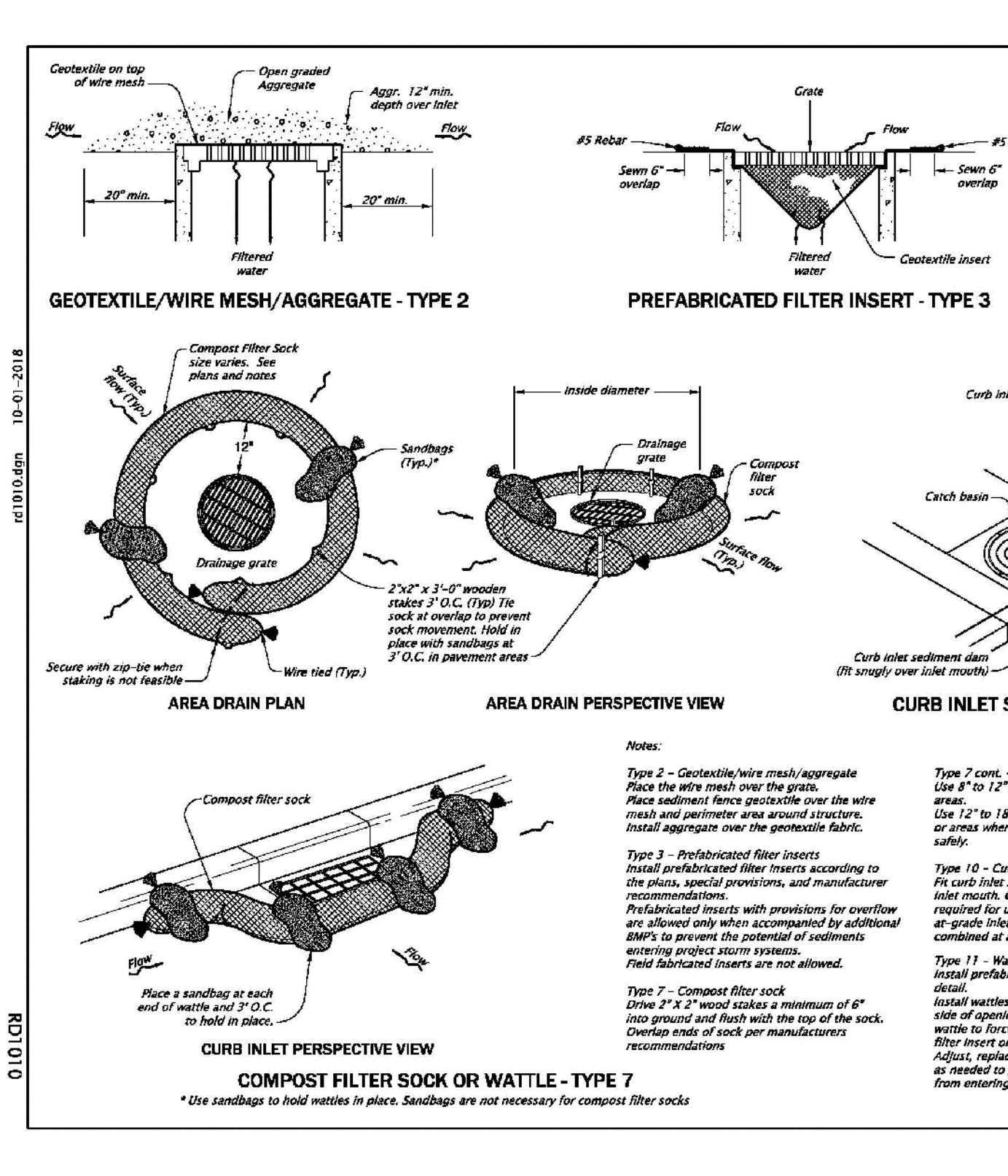
OREGON STANDARD DRAWINGS
CONSTRUCTION ENTRANCES
2018
RD1000



OREGON STANDARD DRAWINGS
CHECK DAMS
TYPE 1, 3 AND 4
2021
RD1005



OREGON STANDARD DRAWINGS
SLOPE AND CHANNEL MATTING
2018
RD1055



OREGON STANDARD DRAWINGS
INLET PROTECTION
TYPE 2, 3, 6, 7, 10 AND 11
2018
RD1010

CONSULTANT:

PROJECT NUMBER: 218113

KEY PLAN:

True North

BMP DETAILS

DRAWN BY: ACH

1 PLAN CHECK RESPONSE 12-23-20

SHEET: **EC-8.0**
100% DESIGN DEVELOPMENT
SEPTEMBER 28TH, 2020