

## **Construction Site Management Plan Checklist**

Prior to the approval of a building/ROW permit, any commercial, multi-family, or applicable single family/duplex project must complete an approved Construction Site Management Plan (CSMP). Below are the required items to be included in the CSMP. Please check "yes" if the item is included, "no" if it is not, and "N/A" if not-applicable. Please provide an explanation for any "No" answers at the bottom of the checklist.

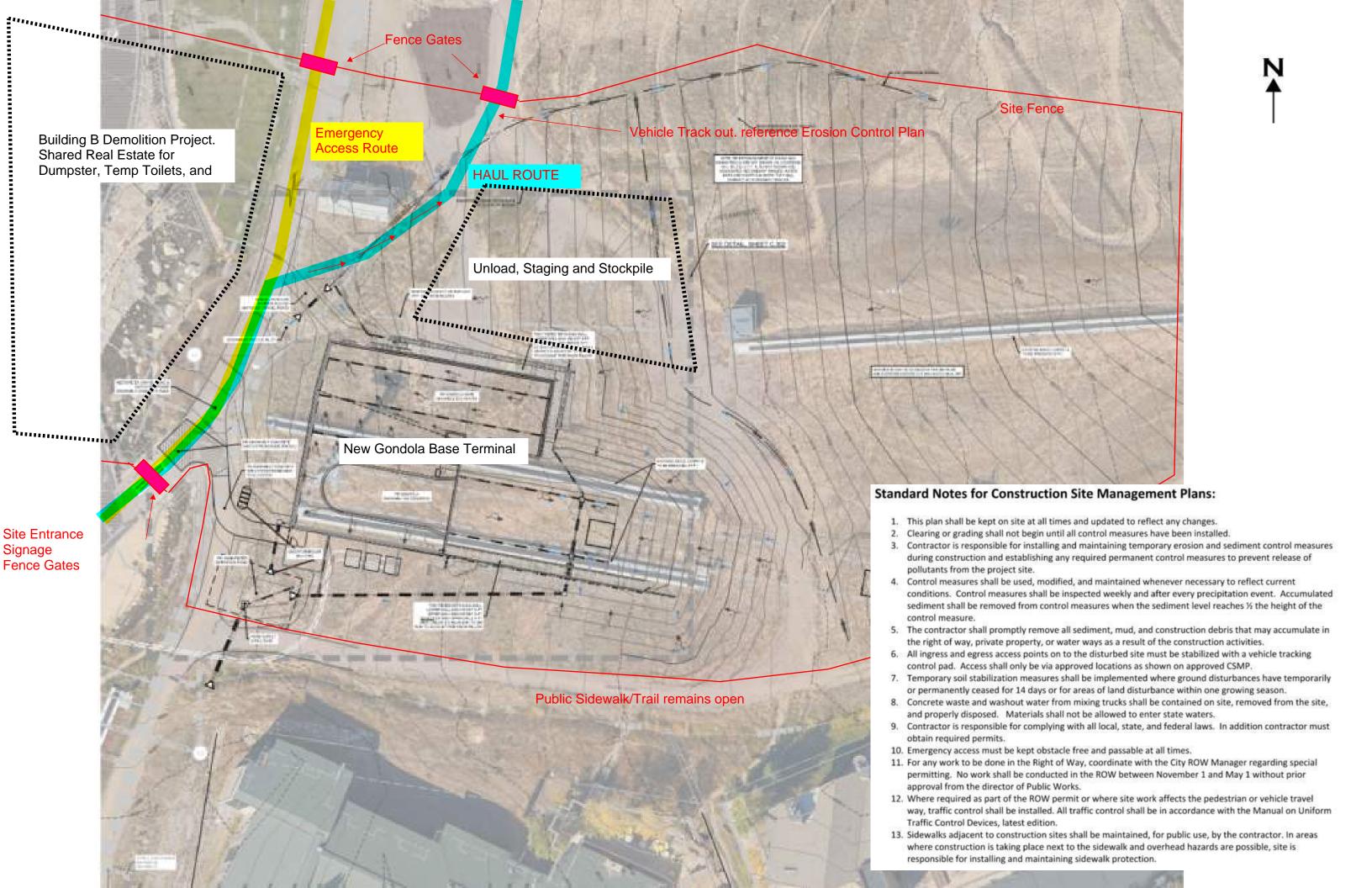
Project Name:	Date:			
Estimated Construction Start Date:	End Date:			
Individual responsible for CSMP monitoring and complia	ance			
Name:	Phone # (local):			
	,	Yes	No	N/A
1. General				
a. CSMP is shown on the proposed site plan				
h Schedule Pre-Construction Meeting (required only for a	commercial, industrial, & multifamily projects)			
c. Right of Way permit (i.e. work or obstruction within include estimated start and stop dates.				
2. Erosion and Sedimentation Control Plan show	ing			
a. Topographic Information – including sufficient detail	to characterize the site			
b. Areas and extent of soil disturbance (show any phasi	ng)			
c. Location of all on site and adjacent water bodies, we systems	tlands, drainages, and storm water			
d. Vehicle tracking control measures (vehicle track pad,	vehicle wash station, etc.)			
e. Inlet protection				
f. Perimeter Control Measures (BMPs)				
g. Standard details for all proposed control measures				
3. Site Construction Facilities (Identify the follow	ring):			
a. Staging areas				
b. Stockpile areas				
c. Dumpsters and trash receptacles				
d. Sanitary facilities				
e. Loading/Unloading areas				
f. Trailers and field offices (show access)				
4. Parking:				
a. Location and number of onsite and any offsite stabili	zed parking areas			
b. Is project located downtown or at ski resort base are contractor parking will occur:				

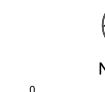
5. External Traffic Control Plan showing:					
a. Show/label all traffic control devices (MUTCD compliant)					
b. Site access points; show existing adjacent streets and driveways; identify any changes and associated signage					
c. Sidewalks and trails; identify any changes and associated signage					
d. Use of the public Right of Way (ROW) - generally not permitted (for constrained sites show any proposed use of ROW)					
e. Crane use details, including but not limited to, ROW encroachment, swing radius, loading locations (Crane will require ROW permit from the City)					
6. Internal Access Control showing					
a. Emergency access- <u>24'</u> wide all weather surface for emergency access thru site (to be maintained at all times)					
7. CSMP Standard Notes:					
a. Standard CSMP notes included on the site plan or Civil Plan Sheets					
8. Dust Control					
Provide explanation for any "No" or "N/A" answers:					

<sup>\*\*</sup> Plans shall be phased and updated as the project evolves and site conditions change.

<sup>\*\*</sup> Please notify adjacent property owners prior to mobilization.

<sup>\*\*</sup> Refer to chapter 36 of the Community Development Code for more information.





(IN FEET)

1 inch = 30 ft.

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## LEGEND:

EXISTING STORM SEWER PROPOSED STORM SEWER PROPOSED STORM INLET (CURB & AREA) PROPOSED MAJOR CONTOUR PROPOSED MINOR CONTOUR

EXISTING MAJOR CONTOUR EXISTING MINOR CONTOUR PROPOSED SWALE PROPOSED CURB & GUTTER LIMITS OF WORK

REVEGETATION AREA PERMANENT BMP'S

RIPRAP PROTECTION

**TEMPORARY BMP'S** 

WATTLE DIKE

ROCK SOCK VEHICLE TRACKING CONTROL PAD

INLET PROTECTION

MULCH/HYDROMULCH

DRAINAGE OVERLAND FLOW DIRECT FLOW

## NOTES:

DISCLAIMER: THIS EXHIBIT IS FOR CONVENIENCE AND LANDMARK CONSULTANTS, INC. MAKES NO WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, THAT THE EROSION CONTROL INFORMATION SHOWN HEREON WILL SATISFY REQUIREMENTS OF THE AUTHORITIES HAVING JURISDICTION OR PERMITTING REQUIREMENTS. **USE AT YOUR OWN** 

IT SHOULD BE NOTED THAT ANY EROSION CONTROL PLAN SERVES ONLY AS A GUIDELINE TO THE CONTRACTOR. STAGING AND/OR PHASING OF BEST MANAGEMENT PRACTICES (BMPs) IS EXPECTED. ADDITIONAL AND/OR DIFFERENT BMPs FROM THOSE ORIGINALLY DEPICTED MAY BE NECESSARY DURING CONSTRUCTION DUE TO CHANGING SITE CONDITIONS OR AS REQUIRED BY LOCAL AUTHORITIES. STRIP VEGETATION AND TOPSOIL, STOCKPILE AND COVER FOR REPLACEMENT AFTER CONSTRUCTION IS COMPLETE. THIS SOIL MUST BE KEPT MOIST.

TOPSOIL SHOULD BE CONSIDERED AS ANY SOIL MATERIAL THAT IS SUITABLE AS A PLANT GROWTH MEDIUM WHICH WILL ULTIMATELY PRODUCE A VEGETATIVE GROUND COVER CAPABLE OF PREVENTING SURFACE EROSION. TOPSOIL SUITABILITY IS DEPENDENT ON DEPTH, TEXTURE, ORGANIC MATTER, FERTILITY, AND COARSE FRAGMENT

THE SALVAGED TOPSOIL SHOULD BE SECURELY STORED AWAY FROM ALL CONSTRUCTION ACTIVITIES, COVERED, AND HYDROLOGICALLY ISOLATED FROM WATERCOURSES.

EXCAVATION EQUIPMENT SHALL BE TRACK VEHICLES UNLESS PROJECT SITE ALLOWS FOR RUBBER TIRED

MINIMIZE THE AREA OF EXPOSED SOILS AT ANY ONE TIME TO THAT ABSOLUTELY NECESSARY FOR PROJECT

8. CUTS AND FILLS AND COMPLETE VEGETATION REMOVAL ON EXTENSIVE AREAS SHOULD BE AVOIDED TO THE MAXIMUM EXTENT WHEN POSSIBLE. 9. REGRADE AND RE-TOPSOIL DISTURBED AREAS BY MOVING EQUIPMENT ACROSS THE SLOPE RATHER THAN UP AND

DOWN THE SLOPE.

10. DOZED SURFACES SHOULD BE LEFT ROUGH OR STEPPED INSTEAD OF BACKBLADED SMOOTH. A ROUGH SURFACE WILL AID IN HOLDING MOISTURE AND REDUCING EROSIC 1. ALL ERODIBLE CUT AND FILL AREAS MUST BE BACKSLOPED TO A DEGREE WHICH WILL ALLOW PROPER

REVEGETATION, AS A GENERAL RULE, 1.5:1 OR FLATTER.

12. IN ORDER TO REDUCE THE COMPACTION, ANY GROUND DISTURBING ACTIVITIES WILL NOT BEGIN UNTIL SOILS HAVE ADEQUATELY DRIED OUT. USE HEAVY EQUIPMENT ONLY WHEN THE WATER TABLE IS MORE THEN 3FT BELOW THE SURFACE AND SOIL MOISTURE IS BELOW THE PLASTIC LIMIT.

GRADING AND OTHER GROUND DISTURBING ACTIVITIES SHOULD NOT BE CARRIED OUT DURING PERIODS OF HEAVY

14. INTERCEPT AND CAPTURE RUNOFF FROM UNDISTURBED AREAS AND PREVENT IT FROM ENTERING THE DISTURBED

15. HAVE AN ADEQUATE SUPPLY OF SURFACE AND EROSION CONTROL MATERIALS (SILT FENCE, WEED-FREE

HAY/STRAW BALES, AND TOOLS) ONSITE AT ALL TIMES FOR EMERGENCIES.

16. WATER BARS SHOULD BE CONSTRUCTED ON ALL DISTURBED SOIL IMMEDIATELY AFTER DISTURBED AND BEFORE REVEGETATION WORK IS COMPLETED.

REVEGETATION WORK IS COMPLETED.

17. REVEGETATION ON ANY AREA MAY BE REQUIRED WHERE GROUND COVER IS DISTURBED. AS A GENERAL GUIDELINE, GROUND COVER SHOULD RECOVER TO ITS NORMAL RANGE OF VARIABILITY FOR THE LAND TYPE AND GEOCLIMATIC AREA BY THE END OF THE THIRD GROWING SEASON. NATIVE PLANT SPECIES SHOULD ULTIMATELY DOMINATE THE SITE, ALTHOUGH INTRODUCING ANNUAL SPECIES MAY BE USED TO ENSURE VEGETATION COVER INITIALLY.

18. SEEDING SHOULD OCCUR IN THE FALL AND IMMEDIATELY AFTER A RAIN OR THE FIRST SNOWFALL. ON HIGH ELEVATION SLOPES OR AREAS OF SPECIAL EROSION CONCERNS, REVEGETATION SHOULD BE COMPLETED

IMMEDIATELY AFTER THE DISTURBANCE. 9. WHEN NO SEEDING IS NEEDED OR SEEDING WILL BE ACCOMPLISHED IN THE FALL, THEN EROSION CONTROL MEASURES AND MULCHING NEED TO BE APPLIED IMMEDIATELY AFTER RECONTOURING IS COMPLETED ON ALL

AREAS WITH ERODIBILITY POTENTIAL.

20. SEED MIXTURES SHOULD BE DESIGNED BASED ON SITE-SPECIFIC CONDITIONS OF A PARTICULAR AREA (I.E.

ELEVATION, ASPECT, VEGETATION COMMUNITY TYPE, SITE MOISTURE, SOIL TYPE ETC.) TO MEET THE SPECIFIC OBJECTIVES OF REVEGETATION. SPECIES NAME AND VARIETY, GERMINATION PERCENT, AND PURE LIVE SEED SHOULD BE SPECIFIED ON THE BAG.

ONLY CERTIFIED WEED-FREE SEED SOURCES WILL BE UTILIZED. ALL SEED PURCHASED WILL BE REQUIRED TO BE TESTED FOR "ALL STATES NOXIOUS WEEDS" ACCORDING TO THE ASSOCIATION OF OFFICIAL SEED ANALYSTS (AOSA)

STANDARDS AND WILL BE CERTIFIED IN WRITING BY A REGISTERED SEED TECHNOLOGIST OR SEED ANALYST AS MEETING THE REQUIREMENTS OF THE FEDERAL SEED ACT AND THE APPROPRIATE STATE SEED LAW REGARDING TESTING, LABELING, SALE AND TRANSPORT OF PROHIBITED AND RESTRICTED NOXIOUS WEEDS.

2. SEED SHOULD BE PRIMARILY OF NATIVE SPECIES AND VARIETIES. IF NON-NATIVE SPECIES ARE DEMONSTRATED TO NOT BE OVERLY AGGRESSIVE AND ALLOW FOR ESTABLISHMENT OF NATIVE SPECIES, THEN SEED MIX CONTAINING

NON-NATIVES MAY BE ALLOWED, SUCH AS STERILE WHEAT OR WINTER RYE 23. BROADCAST SEEDING SHOULD BE AT A RATE OF 40 TO 80 LBS PER ACRE.

24. IF HYDROMULCH IS USED, APPLICATION OF THE SEED SHOULD BE SEPARATE FROM THE MULCH TO PREVENT THE SEED FROM BEING "CAUGHT-UP" IN THE MULCH, GERMINATING, AND NOT COMING IN CONTACT WITH THE MINERAL

25. SEED SHOULD BE LIGHTLY RAKED OR HARROWED INTO THE SOIL.
26. MONITORING SHOULD BE IMPLEMENTED TO DETERMINE BMP SUCCESSES.

• REVEGETATION SUCCESSES.  $\bullet$  SHEET AND RILL EROSION, GULLIES, SLUMPING, AND SUBSIDENCE.

• EFFECTIVENESS OF EROSION CONTROL MEASURES. NOXIOUS AND UNDESIRABLE WEED INVASION.

• EVIDENCE OF EXCESSIVE LIVESTOCK AND WILDLIFE GRAZING. THE FOLLOWING PERFORMANCE STANDARDS SHOULD BE USED TO DETERMINE WHETHER THE OBJECTIVES OF THE EROSION CONTROL AND REVEGETATION PLAN HAVE BEEN MET AT A GIVEN TIME. A REFERENCE TRANSECT SHOULD

• PERCENT COVER-75% OF THE TOTAL VEGETATION COVER MEASURED FOR THE REFERENCE TRANSECT. • DOMINANT SPECIES-90% OF THE REVEGETATION CONSISTS OF SPECIES CONTAINED IN THE APPLIED SEED MIX AND THAT OCCUR IN THE REFERENCE TRANSECT. • SEEDLING DENSITY-THE DENSITY AND ABUNDANCE OF SEEDLINGS IS AT LEAST 3 TO 4 SEEDLINGS PER SQUARE

• EROSION CONDITION/SOIL FACTOR-EROSION CONDITION OF THE RECLAIMED AREA IS EQUAL TO OR IN BETTER CONDITION THAN THAT MEASURED FOR THE REFERENCE TRANSECT.

. PHOTOGRAPHS SHOULD BE TAKEN EACH YEAR AT ESTABLISHED POINTS TO DOCUMENT THE RECLAMATION EFFORT AND MAINTAIN A CONSISTENT PHOTOGRAPHIC RECORD.

32. CONDITIONS IN THE FIELD MAY WARRANT EROSION CONTROL MEASURES IN ADDITION TO WHAT IS SHOWN ON THESE PLANS. IMPLEMENT WHATEVER MEASURES ARE DETERMINED NECESSARY PER THE PROJECT STORMWATER MANAGEMENT PLAN.

STANDARD CHECK DAM SPACING CRITERIA | FLOW LINE GRADIENT | 2% | 3% | 4% | 5% | 
 SPACING (FEET)
 100
 67
 50
 40

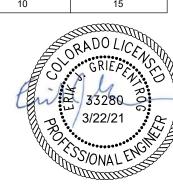
STANDARD EROSION LOG SPACING CRITERIA MAXIMUM CHECK DAM SPACING BASED ON FLOW LINE GRADIENT NOMINAL LOG DIAMETER (FEET) 8 - 9 INCHES 12 INCHES 18 - 20 INCHES 0% - 2% 2% - 5% 5% - 10% 10% - 33%

CALL UTILITY NOTIFICATION CENTER OF



33% - 50%

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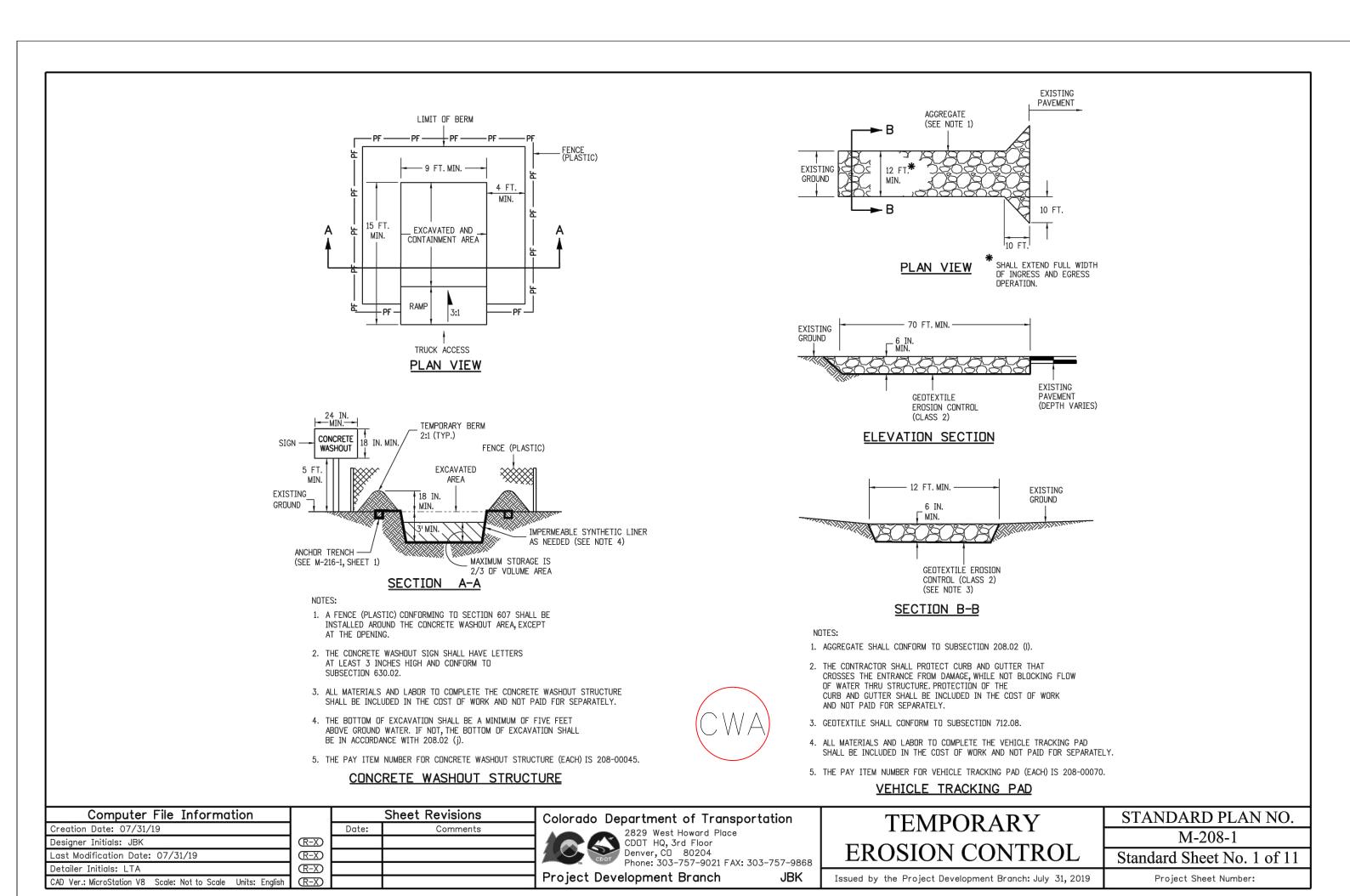


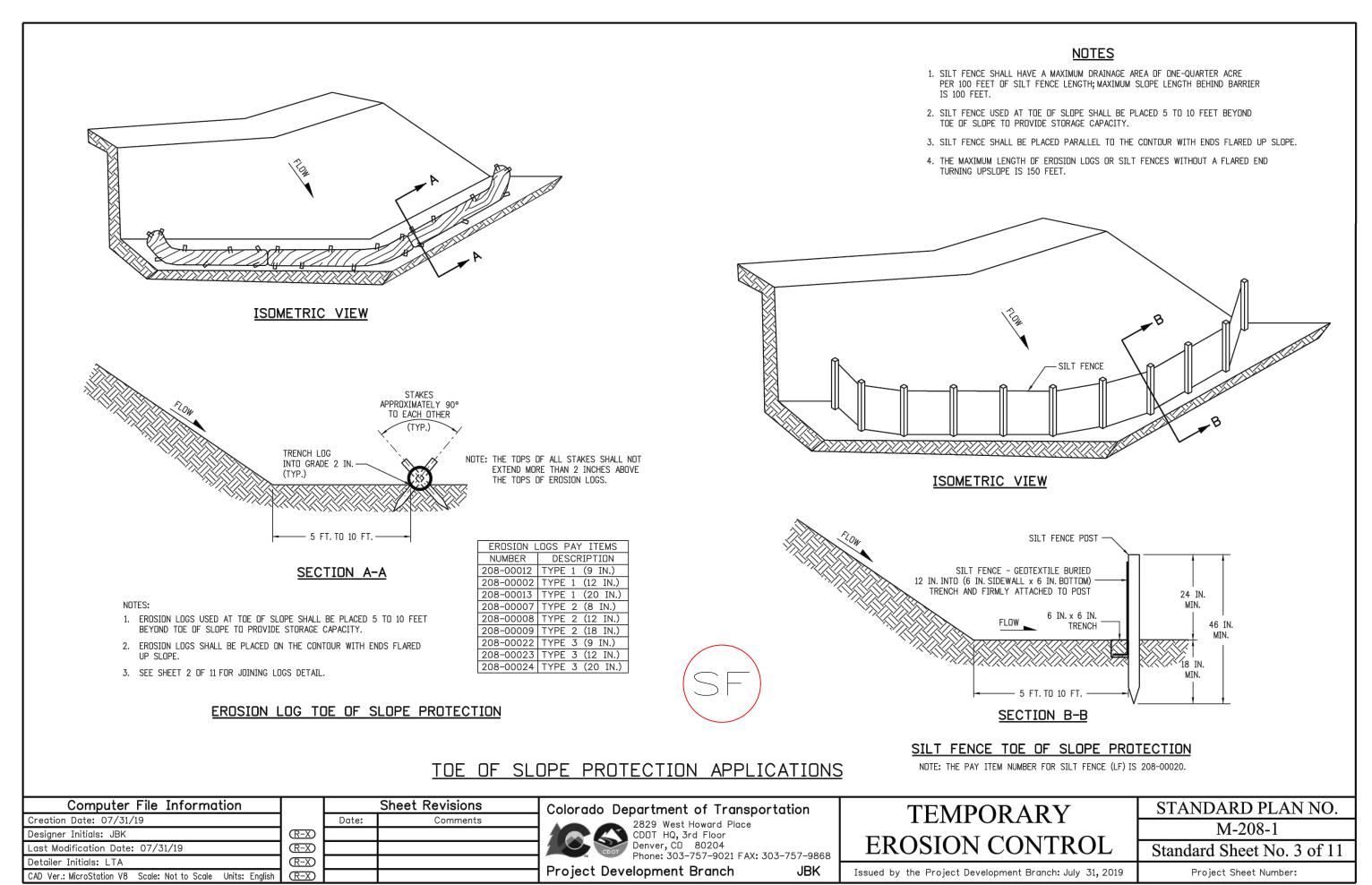
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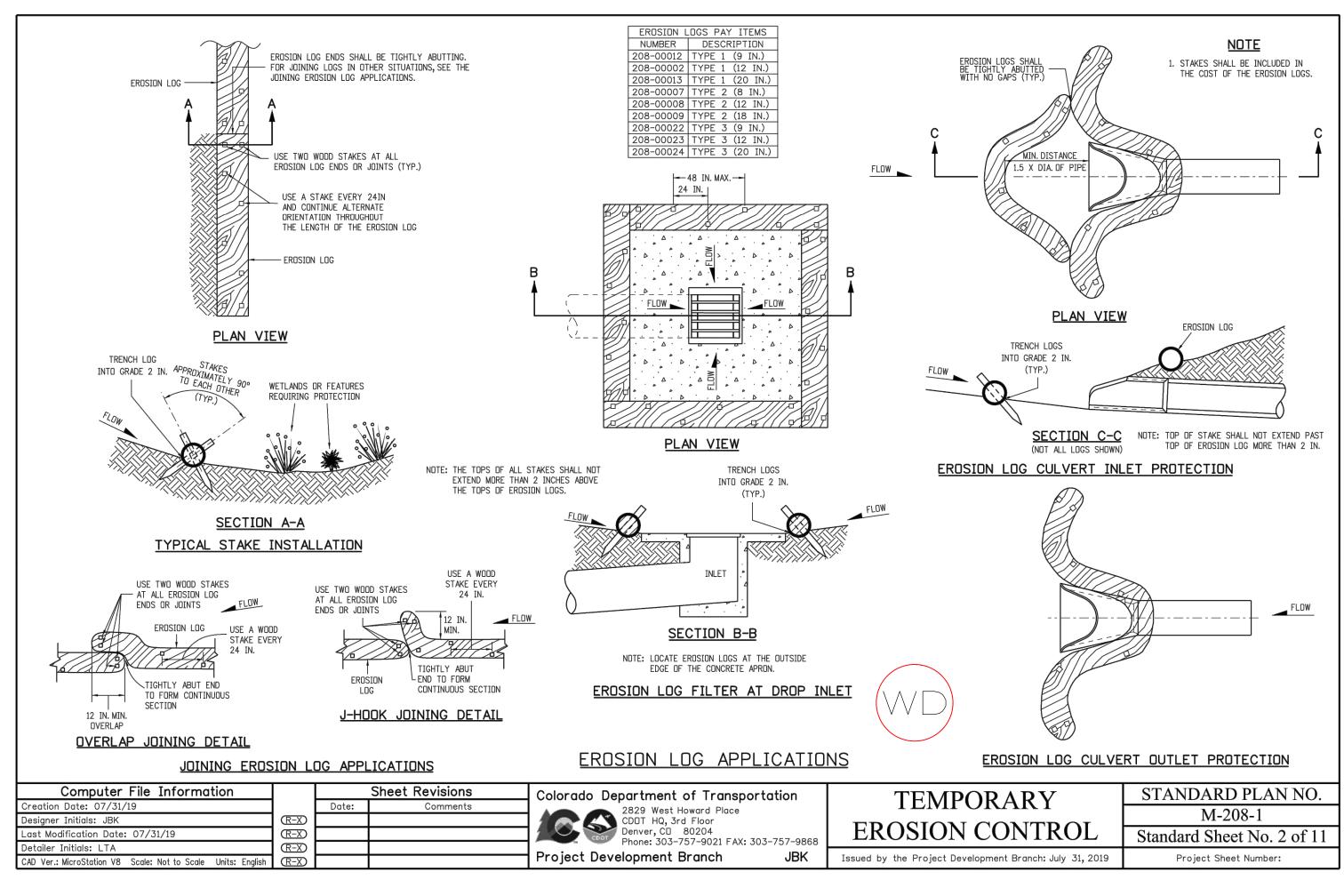
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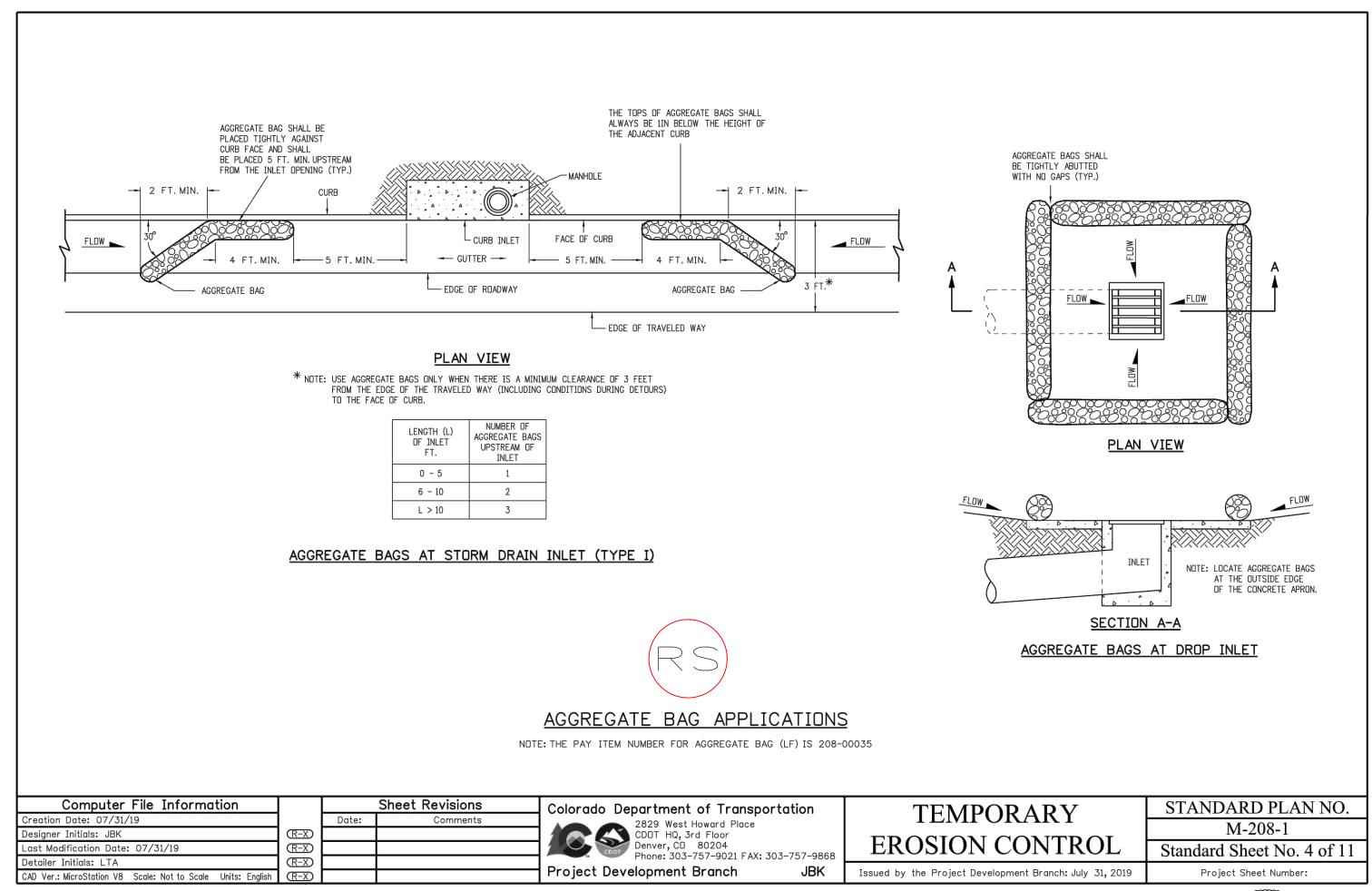
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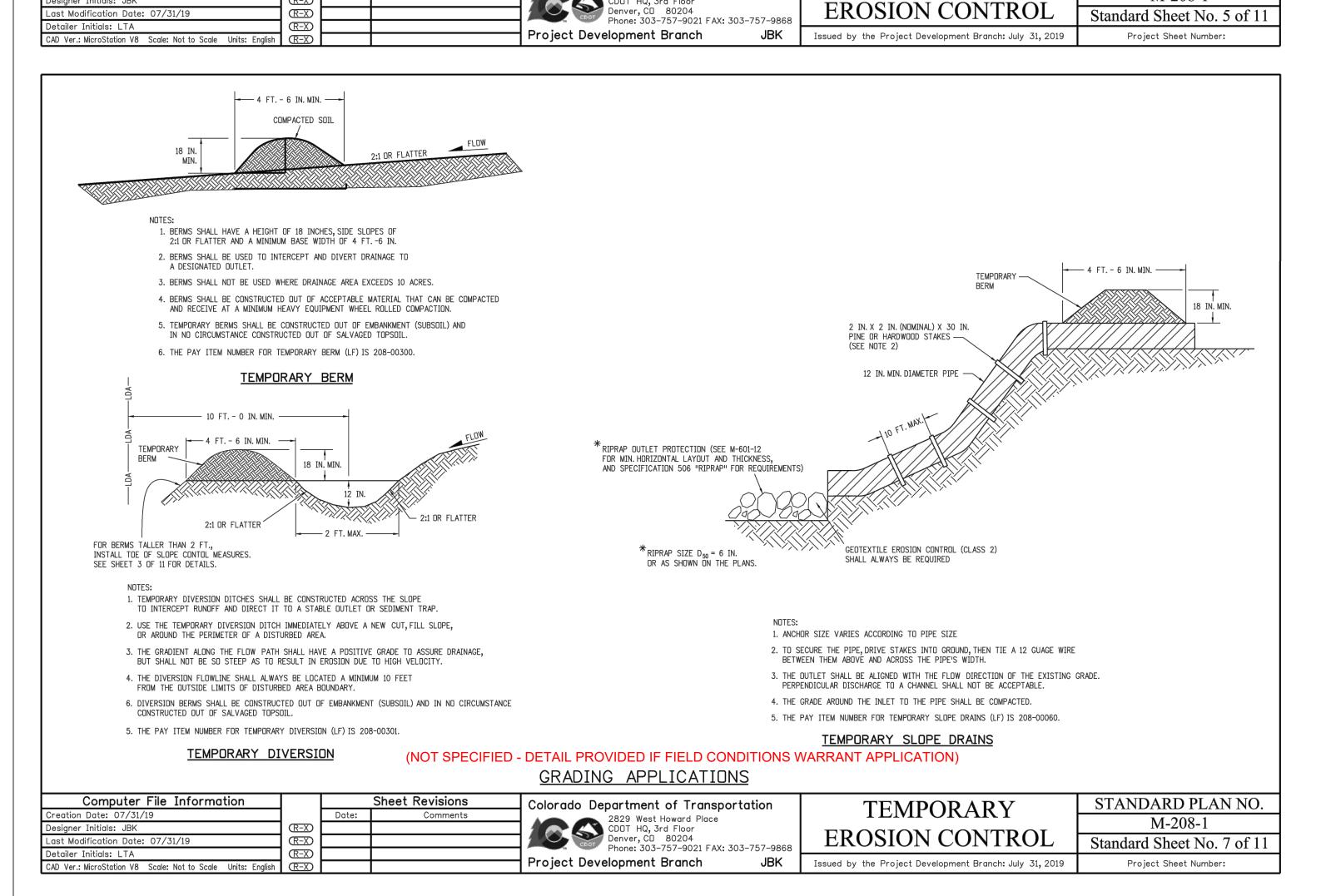
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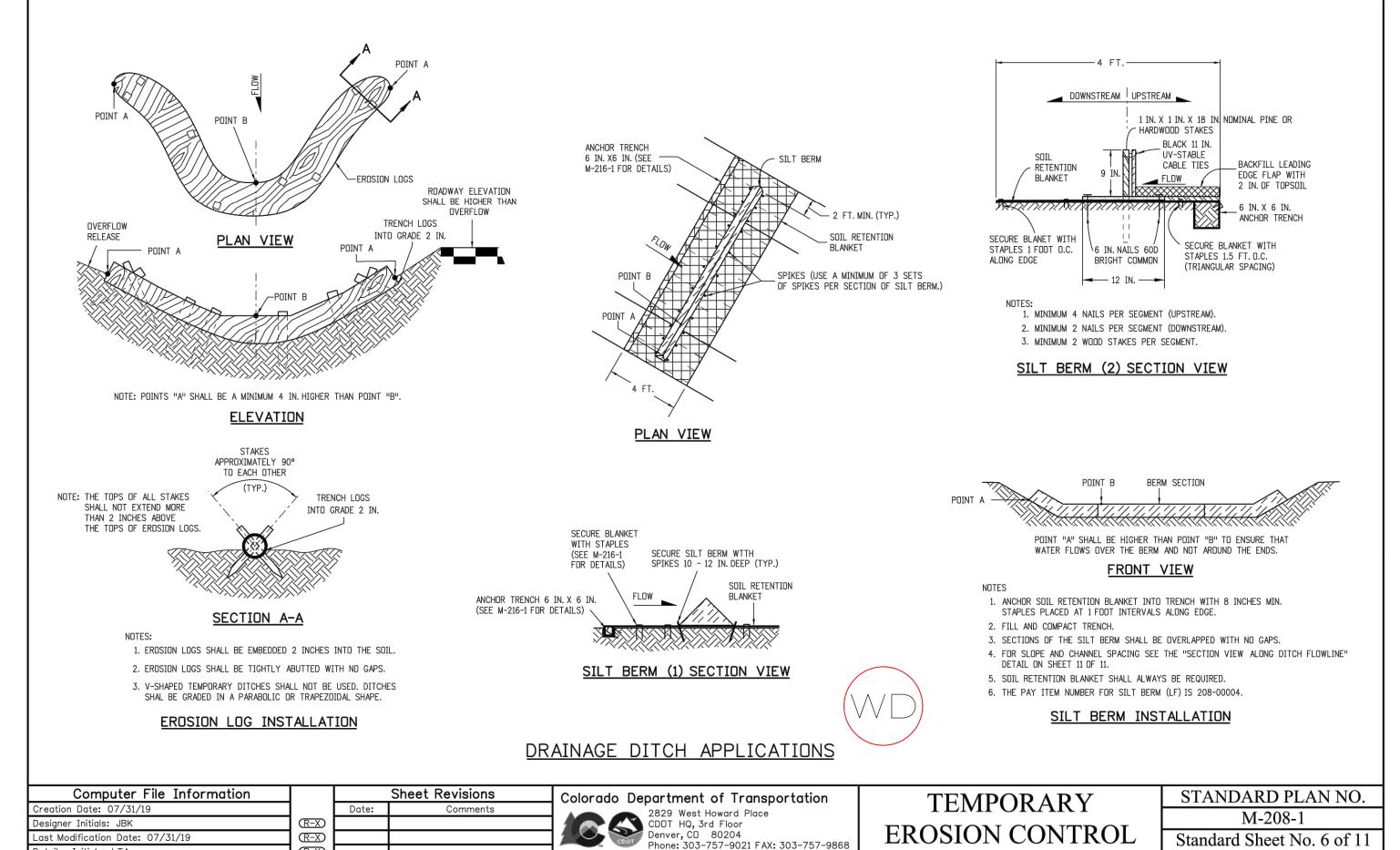
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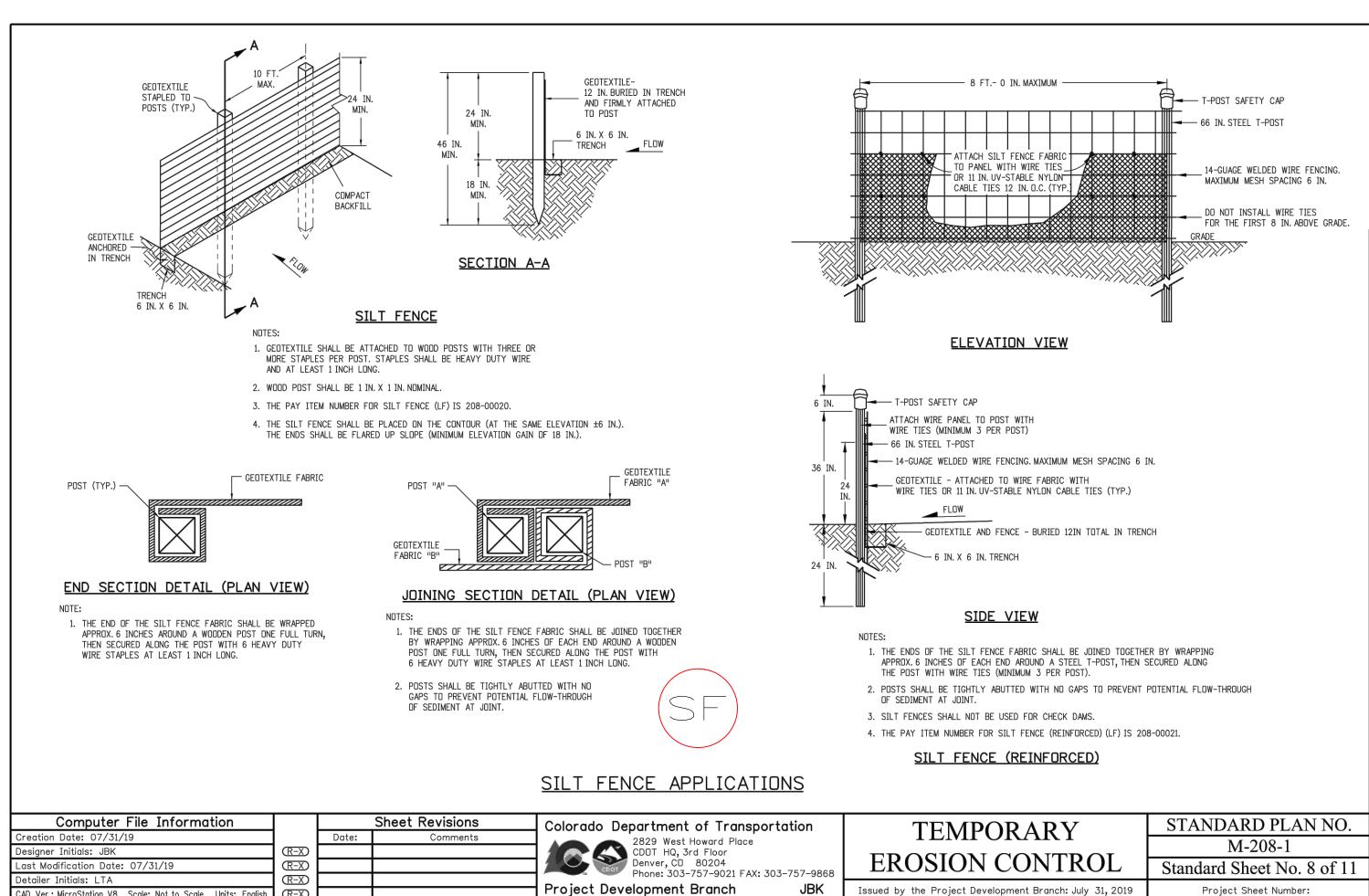


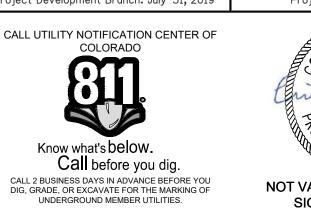


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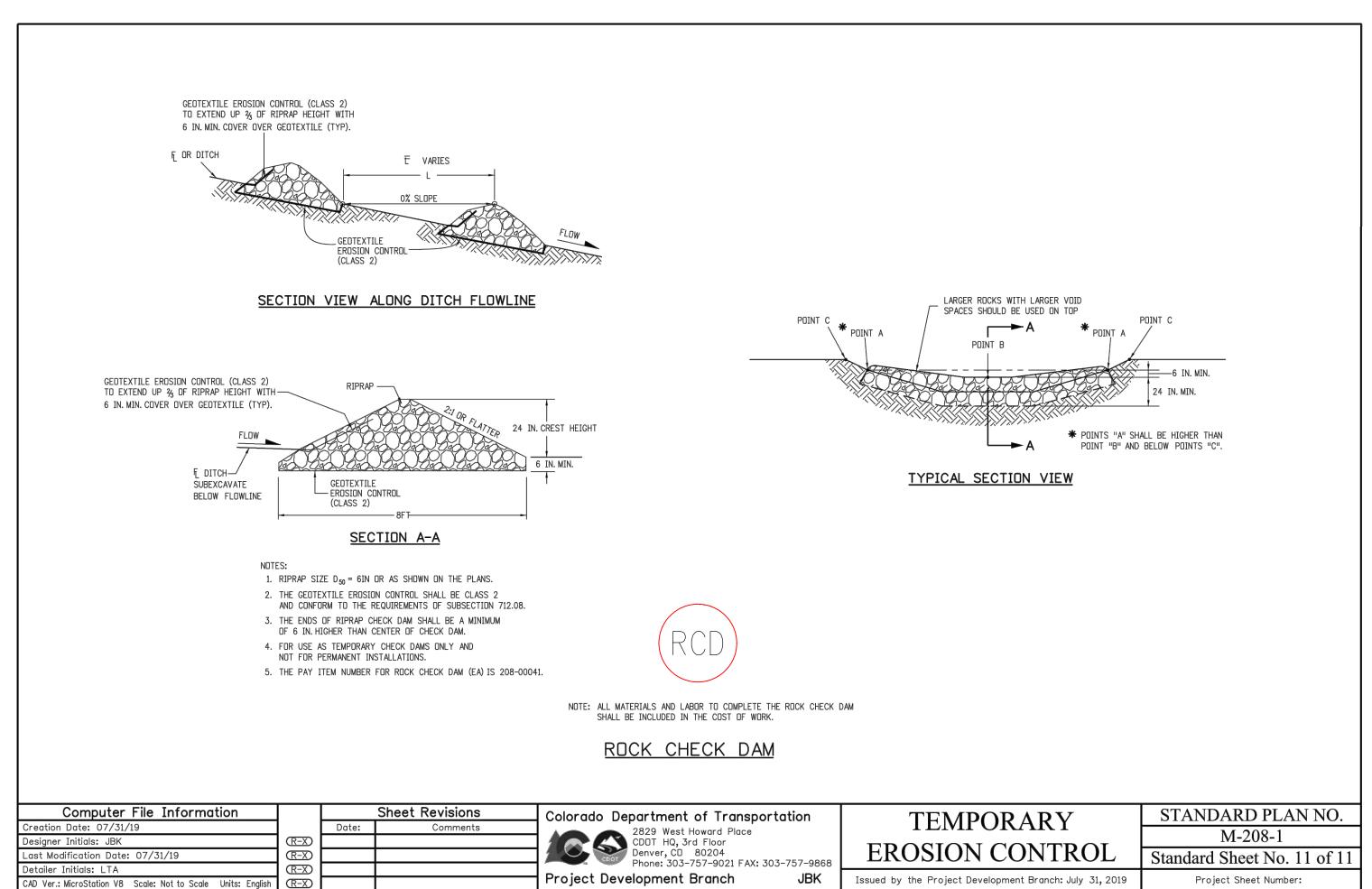
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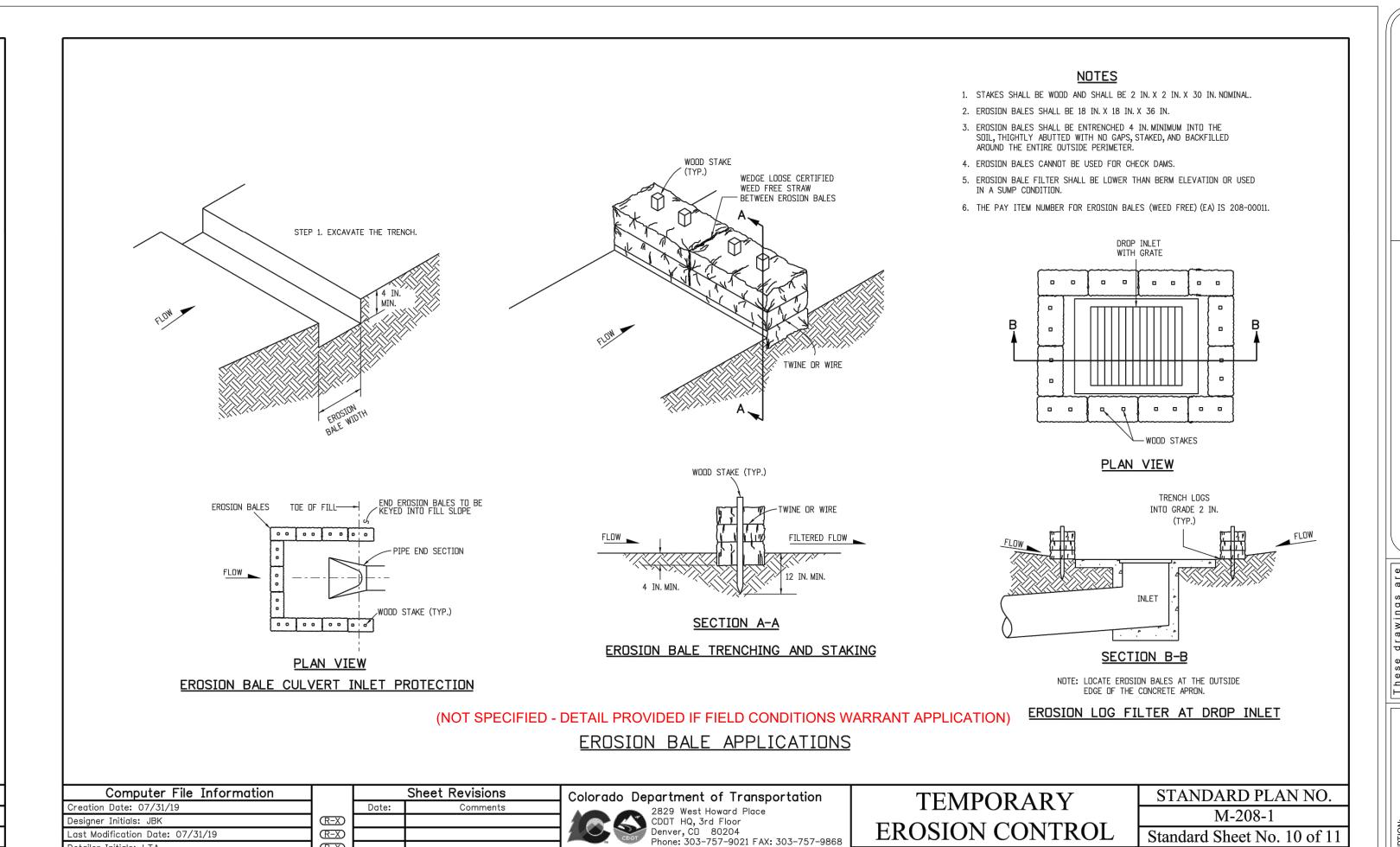
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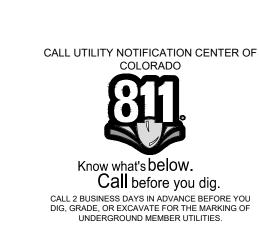
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