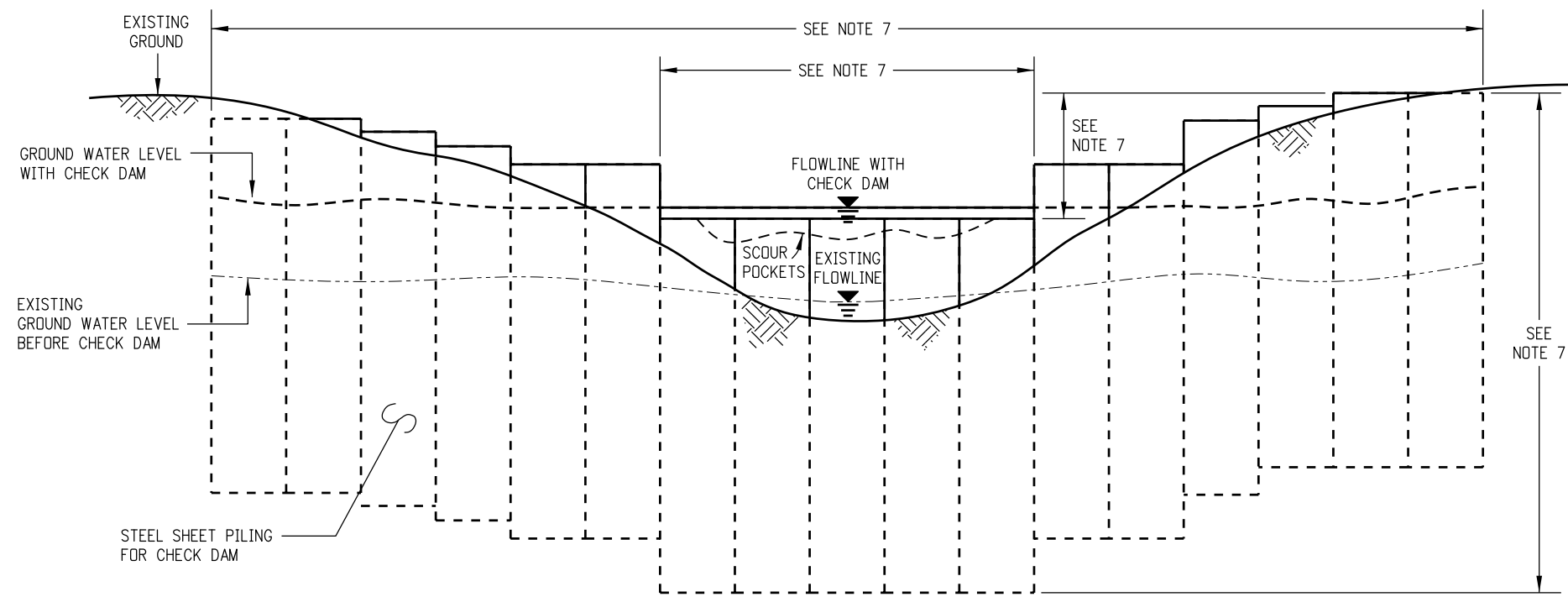
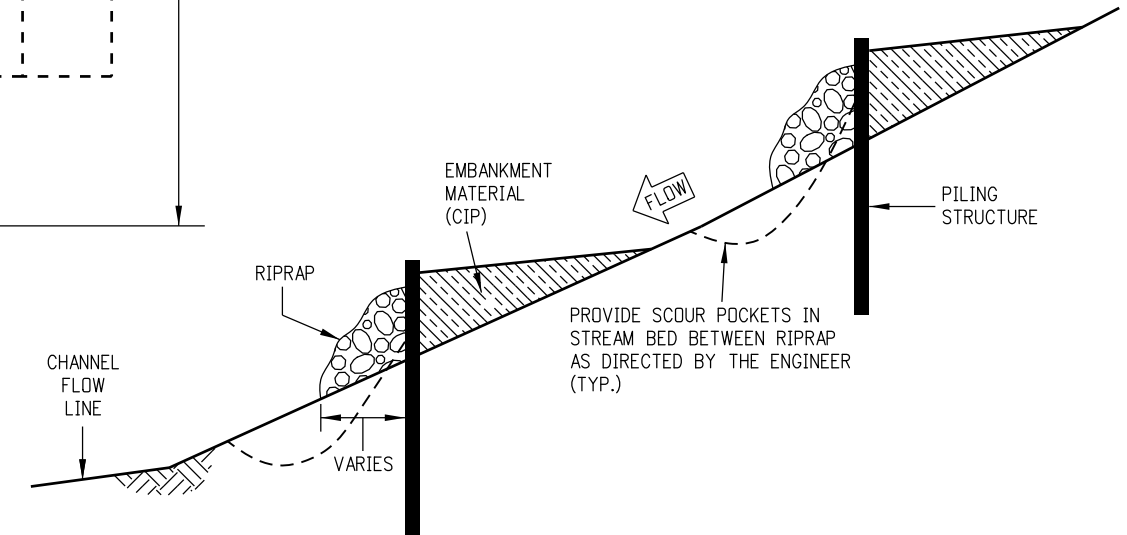


GENERAL NOTES

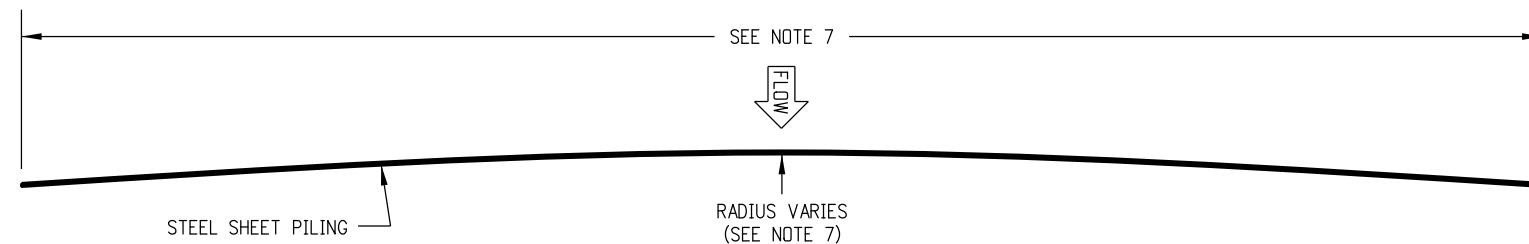
1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH ALL 404 AND ENVIRONMENTAL PERMITS.
2. BEFORE ANY WORK BEGINS IN ENVIRONMENTALLY SENSITIVE AREAS, TEMPORARY EROSION CONTROL MEASURES AND BEST MANAGEMENT PRACTICES, AS SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER SHALL BE IN PLACE.
3. ALL TEMPORARY FENCING FOR PROTECTED AREAS SHALL BE INSTALLED BEFORE THE COMMENCEMENT OF WORK.
4. LOW GROUND DISTURBING EQUIPMENT SHALL BE UTILIZED IN ENVIRONMENTALLY SENSITIVE AREAS AS APPROVED BY THE ENGINEER.
5. ALL STEEL SHEET PILING STRUCTURES SHALL BE TYPE I AND SHALL CONFORM TO SECTION 501.
6. STRUCTURE LOCATIONS SHALL BE SHOWN ON THE PLANS.
7. BASED UPON THE CHANNEL FLOW RATE, GROUNDWATER ELEVATION, GAUGE OF STEEL PILING, LENGTH OF THE PILES, DEPTH OF BURIAL, TOTAL WIDTH OF THE STRUCTURE, RADIUS OF THE STRUCTURE, DEPTH AND WIDTH OF THE WEIR AND RIPRAP; ALL VARY PER LOCATION AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.



CHECK DAM STRUCTURE ELEVATION



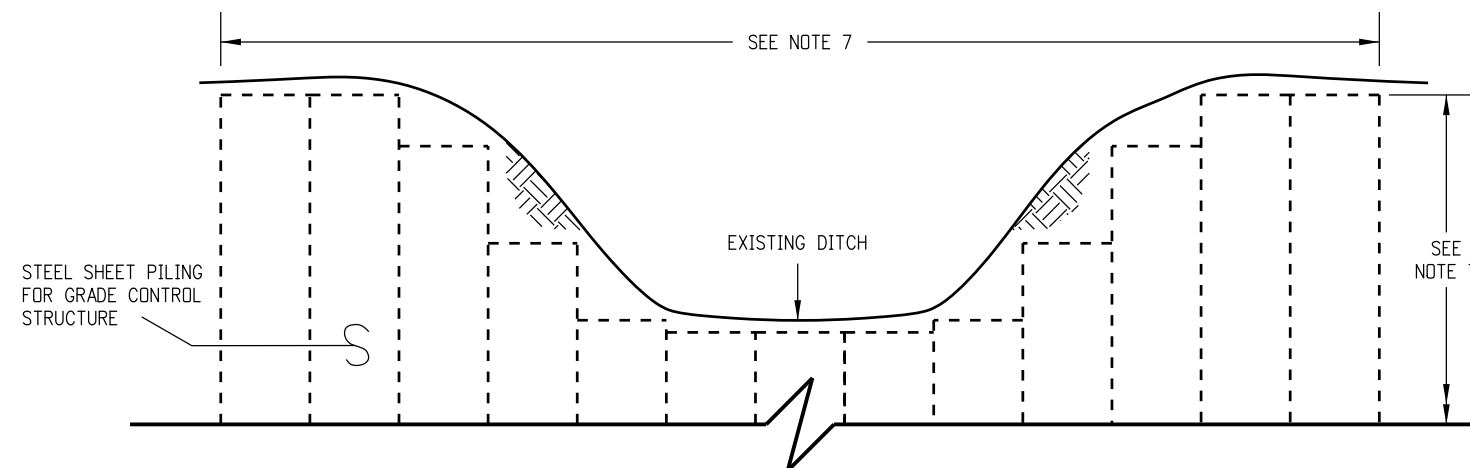
CHECK DAM STRUCTURE PROFILE



STRUCTURE PLAN

SUMMARY OF APPROXIMATE QUANTITIES

PAY ITEM	DESCRIPTION	UNIT	QUANTITY	REMARKS
203	EMBANKMENT (COMPLETE IN PLACE)	CY		
501	STEEL SHEET PILING TYPE 1	SF		
506	RIPRAP	CY		



ROADSIDE DITCH GRADE CONTROL STRUCTURE ELEVATION

D-501-1 STEEL SHEET PILING FOR CHECK DAMS AND GRADE CONTROL STRUCTURES
 APPLICATIONS: TO SLOW CREEK WATER FLOW. RAISE GROUND WATER ELEVATION. RESTORE WETLANDS. PROVIDE SCOURING.
 DESIGNER NOTES: STEEL SHEET PILING CHECK DAMS AND GRADE CONTROL STRUCTURES ARE RECOMMENDED TO BE PLACED AT THE FOLLOWING LOCATIONS. THESE LOCATIONS MAY CHANGE AS DIRECTED BY THE ENGINEER:
 1. WHERE THE EXISTING DROPS IN THE CHANNEL'S FLOWLINE IS 3 FEET OR MORE.
 2. DOWNSTREAM FROM THE CONFLUENCE OF TWO STREAMS AND CHANNELS WITH VERTICAL BANKS.
 3. DOWNSTREAM FROM SCOUR POCKETS AND CRITICAL BRIDGE STRUCTURES.
 4. DOWNSTREAM FROM LOCATIONS WHERE NEW WETLANDS ARE TO BE ESTABLISHED.
 5. UPSTREAM FROM THE CULVERT UNDER THE ACCESS ROAD TO THE OPEN SPACE AREA.
 6. ADDITIONAL GRADE CONTROL STRUCTURES MAY BE PLACED AS NEEDED IN THE FUTURE.
 IN AREAS WHERE ANY PART OF THE SHEET PILING STRUCTURE IS ABOVE GROUND AND SAFETY IS A CONCERN, CONSIDER INSTALLING PVC PIPES, WOOD OR CONCRETE CAPS ON TOP OF THESE SHEET PILING AREAS.
 PLEASE CALL THE STANDARDS ENGINEER AT 303-757-9021 FOR ANY QUESTIONS.
 PLEASE DELETE THIS BLOCK BEFORE USING THIS DETAIL ON A PROJECT. DATE: OCTOBER 03, 2013 DLM/LTA

Computer File Information		Sheet Revisions		Colorado Department of Transportation		As Constructed		STEEL SHEET PILING FOR CHECK DAMS AND GRADE CONTROL STRUCTURES		Project No./Code	
Creation Date: 10/03/13	Initials: DLM	(R-X)	mm/dd/yy XXXXXXXX	XXXXXX	Street Address Office location City, CO Zip code Phone: XXX-XXX-XXXX FAX: XXX-XXX-XXXX Region, Unit Intials/Intials	No Revisions:	mm/dd/yy	Designer: XXXXXXXX		D-501-1	
Last Modification Date: 10/31/13	Initials: LTA	(R-X)	mm/dd/yy XXXXXXXX	XXXXXX		Revised:	mm/dd/yy				
Full Path: www.coloradodot.info/business/designsupport		(R-X)	mm/dd/yy XXXXXXXX	XXXXXX		Void:	mm/dd/yy	Sheet Subset: XXXXXXXX		Subset Sheets: XXX of XXX	
Drawing File Name: D05010101		(R-X)	mm/dd/yy XXXXXXXX	XXXXXX							
CAD Ver.: MicroStation V8 Scale: Not to Scale Units: English		(R-X)	mm/dd/yy XXXXXXXX	XXXXXX							
Sheet Number: 1 of 1											