

DETAIL SHEET		BMP LEGEND	
NO.	NO.	Symbol	Description
1	1	CD	CHECK DAM
2	1	CB	COMPOST BLANKET
3	1	CFB	COMPOST FILTER BERM
4	1	CWA	CONCRETE WASHOUT AREA
5	1	CF	CONSTRUCTION FENCE
6	1	CM	CONSTRUCTION MARKERS
7	1	CS	CURB SOCK-INLET PROTECTION
8	1	DW	DEWATERING
9	1	DD	DIVERSION DITCH
10	2	ECB	EROSION CONTROL BLANKET
11	2	FOM	FLEXIBLE GROWTH MEDIUM
12	2	IP	INLET PROTECTION
13	2	RCD	REINFORCED CHECK DAM
14	2	RRB	REINFORCED ROCK BERM
15	2	RRC	RRC FOR CULVERT PROTECTION
16	2	SB	SEDIMENT BASIN
17	3	SCL	SEDIMENT CONTROL LOG
18	3	ST	SEDIMENT TRAP
19	3	SM	SEEDING AND MULCHING
20	3	SF	SILT FENCE
21	3	SSA	STABILIZED STAGING AREA
22	3	SR	SURFACE ROUGHENING
23	3	TSD	TEMPORARY SLOPE DRAIN
24	3	TSC	TEMPORARY STREAM CROSSING
25	3	TER	TERRACING
26	3	VTC	VEHICLE TRACKING CONTROL
27	3	WW	W/ WITH WHEEL WASH
		LOC	LIMITS OF CONSTRUCTION

AREA OUTSIDE OF LIMITS OF CONSTRUCTION, LOC

**NOTES:**

- SEE THE STANDARD NOTES AND DETAILS IN FIELD WIDE REPORT, REVISED APRIL 2018 (3 SHEETS) FOR ALL STANDARD DETAILS & ARAPAHOE COUNTY RULES AND REGULATIONS REGARDING STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITIES, NOTES AND LEGENDS OF BMP NAMES AND SYMBOLS.
- QUANTITIES:  
 EXISTING GRADE AT WELL HEAD 3AH = 5664.3'  
 EXISTING GRADE AT WELL HEAD 3BH = 5665.3'  
 EXISTING GRADE AT WELL HEAD 3CH = 5666.9'  
 EXISTING GRADE AT WELL HEAD 3DH = 5668.3'  
 PAD SITE ELEVATION = 5668.2' (GROUND), 5668.7' (GRAVEL)  
 CUT SLOPES = 3:1  
 FILL SLOPES = 3:1  
 PHASE 1 TOPSOIL = 7,483 CY, 1,106 CY PLACED AT 3" DEPTH ON PAD  
 CUT/FILL SLOPES 6,377 CY STOCKPILED  
 PHASE 1 TOTAL CUT = 30,302 CY (DOES NOT INCLUDE TOPSOIL, INCLUDES DD & SB)  
 PHASE 1 TOTAL FILL = 30,705 CY (INCLUDES 10% ADJUSTMENT FOR COMPACTION)  
 PHASE 1 SPOILS STOCKPILED = 704 CY  
 PHASE 1 GRAVEL BASE AT 6" DEPTH = 4,986 CY  
 PHASE 1 TOTAL DISTURBED AREA = 12.38 ACRES (INCLUDING ACCESS ROADWAY)  
 PHASE 1 FENCED AREA = 9.79 ACRES  
 PHASE 1 GRAVEL PAD AREA = 6.18 ACRES  
 PHASE 1 ROAD DISTURBED AREA = 0.35 ACRES
- ALL DIVERSION DITCHES ARE ANTICIPATED TO BE UNLINED.
- THE DIMENSION OF THE CRUSHED ROCK AROUND THE SEDIMENT BASIN RISER PIPE IS LARGER THAN THE HOLE DIAMETER.
- ALL BMP'S ARE INTERIM.

**SOILS:**

USING THE US DEPARTMENT OF AGRICULTURE'S WEB SOIL SURVEY, THREE SOIL TYPES EXIST WITHIN THE PROJECT BOUNDARY, ADENA-COLBY SILT LOAMS, 1 TO 5 PERCENT SLOPES (ADC), FONDIS-COLBY SILT LOAMS, 3 TO 5 PERCENT SLOPES (FOC), AND WELD SILT LOAM, 0 TO 3 PERCENT SLOPES (WEB). ALL OF THE SOILS LISTED ABOVE FALL INTO THE HYDROLOGIC CLASSIFICATION GROUP C, WHICH HAS SLOW INFILTRATION RATE WHEN THOROUGHLY WET. THE K FACTOR DESCRIBES A SOIL'S SUSCEPTIBILITY FOR RILL AND SHEET EROSION POTENTIAL (RATED 0.02 TO 0.85). THE HIGHER THE VALUE THE MORE SUSCEPTIBLE THE SOIL IS TO EROSION. THIS PROJECTS AREA'S SOIL HAS AN AVERAGE K OF 0.40.

**SEDIMENT TRAP/BASIN:**

SEDIMENT BASIN: TRIBUTARY AREA IS 7.75 ACRES, WHICH IS LESS THAN 8 ACRES, THEREFORE USE 44" W X 88" L X 4" D, CL = 16.0', HD = 1.2'. JUN 28 2018

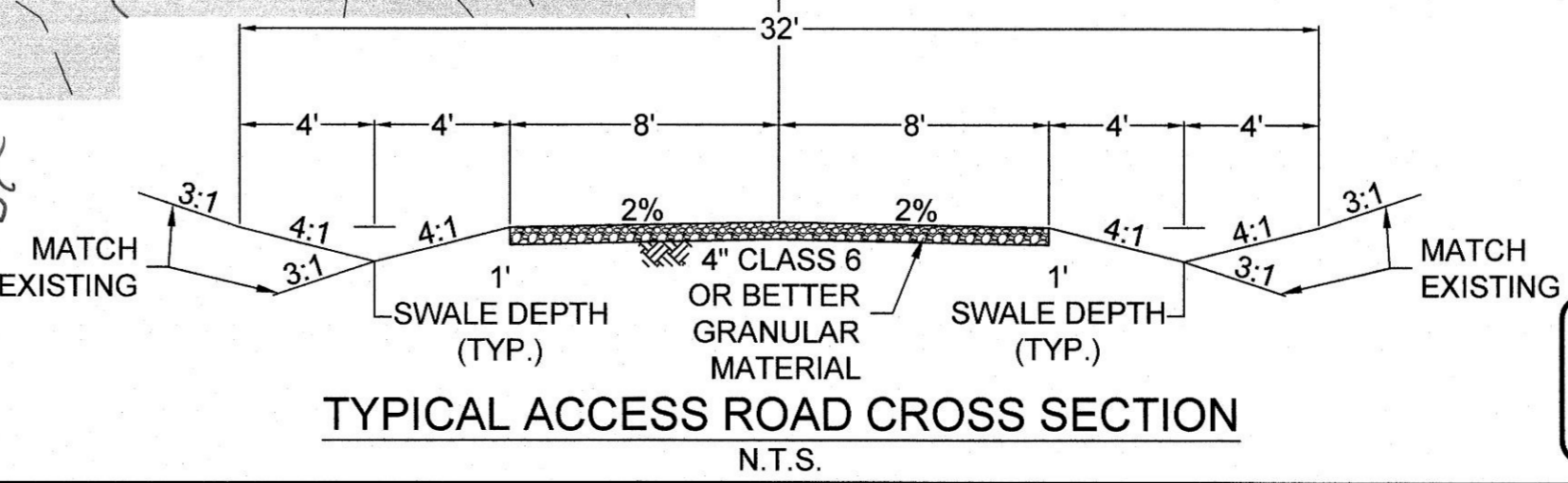
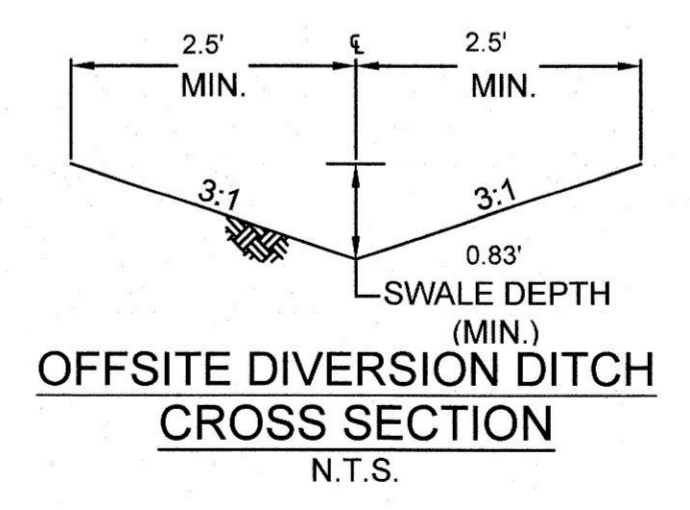
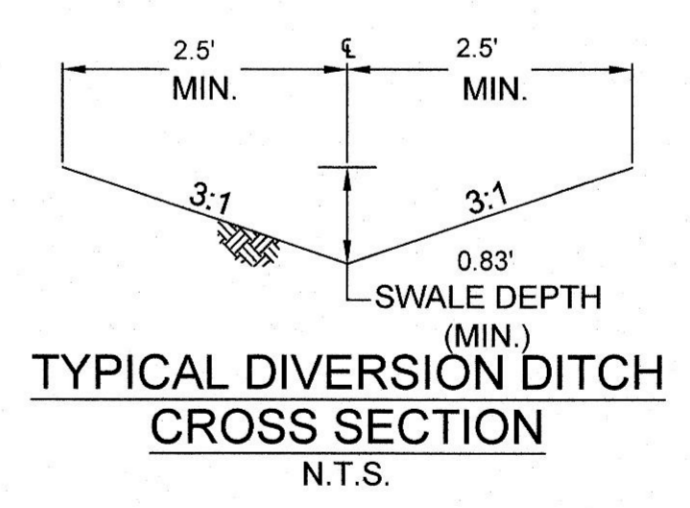
DIVERSION DITCH CAPACITY: 2.39 CFS @ 0.25%  
 OFFSITE DIVERSION DITCH CAPACITY: 2.39 CFS @ 0.25% (AS NEEDED) IF FIRST PAGE IS SIGNED

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**CALL 811 BEFORE YOU DIG**  
 1-800-922-1987



10333 E Dry Creek Rd. Suite 240 Englewood, CO 80112 Tel: (720) 462-9226 Fax: (720) 462-9946	NO.	DATE	APPROVED
 <b>CIVIL ENGINEERING LAND SURVEYING</b> CONOCOPHILLIPS COMPANY ATTN: KATHY DEWEZ 34501 E. QUINCY AVE., BUILDING 1 WATKINS, CO 80137 PHONE: (303) 268-3773	NO.	DATE	APPROVED
	NO.	DATE	APPROVED
PROSPER FARMS #4-65 11-12 3AH, 3BH, 3CH & 3DH GESC PLANS PHASE 1 INITIAL/INTERIM GESC	SCALE:	AS SHOWN	FILE NO:
	DRAWN BY:	JRG	8-13-0302803
	CHECKED BY:	MEL	
	DATE:	05-23-18	
			<b>2</b>