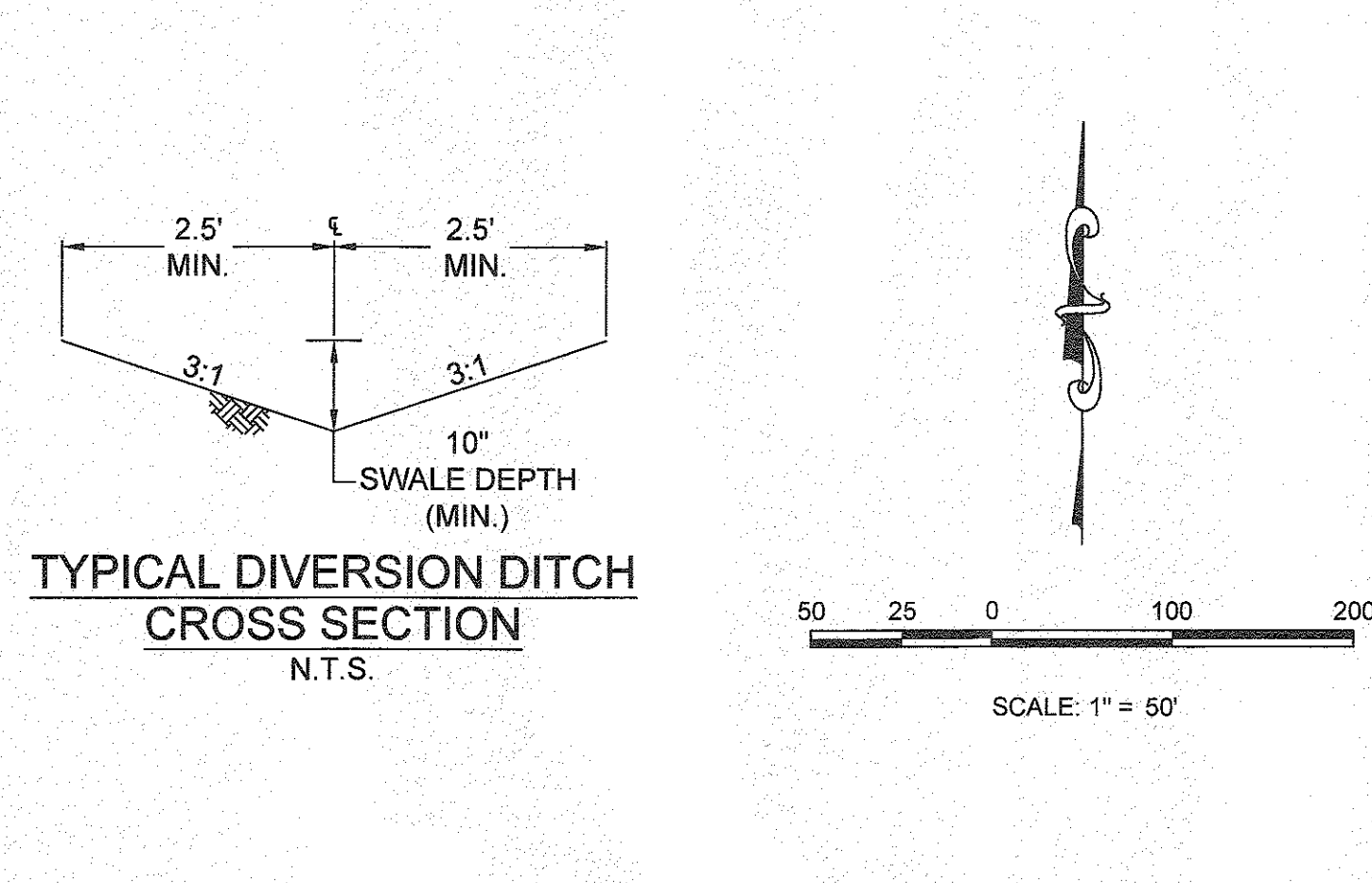
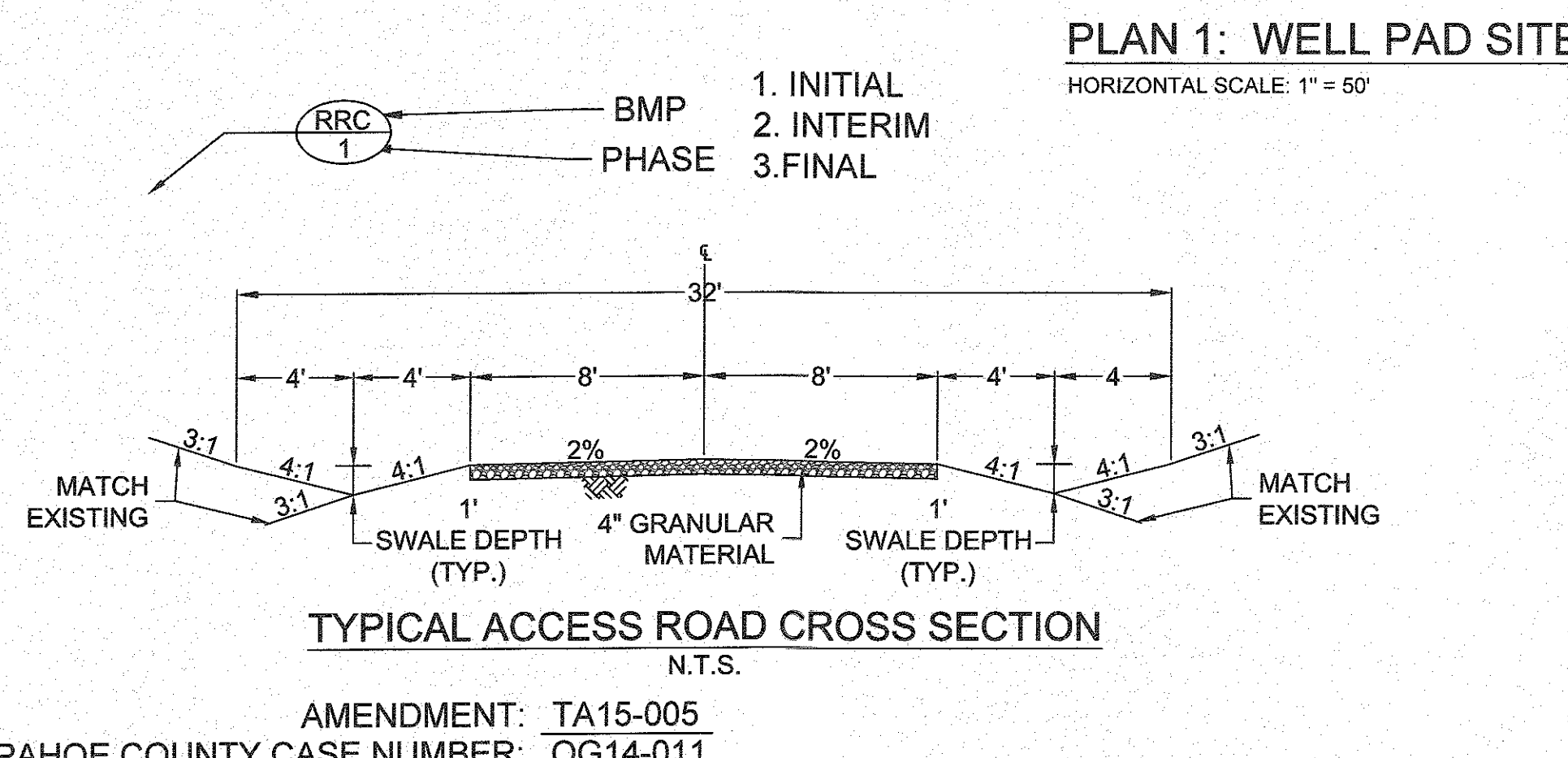




DETAIL SHEET		BMP LEGEND	
NO.	NO.		
1	1	CD	CHECK DAM
2	1	CB	COMPOST BLANKET
3	1	CFB	COMPOST FILTER BERM
4	1	CWA	CONCRETE WASHOUT AREA
5	1	CF	CONSTRUCTION FENCE
6	1	CM	CONSTRUCTION MARKERS
7	1	CS	CURB SOCK-INLET PROTECTION
8	1	OW	DEWATERING
9	1	DD	DIVERSION DITCH
10	2	ECB	EROSION CONTROL BLANKET
11	2	FGM	FLEXIBLE GROWTH MEDIUM
12	2	IP	INLET PROTECTION
13	2	RCD	REINFORCED CHECK DAM
14	2	RRB	REINFORCED ROCK BERM
15	2	RRC	RRB FOR CURVE 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	VTC WITH WHEEL WASH
	1		ROCK AND RIPRAP GRADATIONS
		LOC	LIMITS OF CONSTRUCTION
			AREA OUTSIDE OF LIMITS OF CONSTRUCTION, LOC



NOTES:
1. SEE THE ARAPAHOE COUNTY GESC PLAN STANDARD NOTES AND DETAILS, REVISED JANUARY 2010 (3 SHEETS) FOR ALL STANDARD DETAILS, NOTES AND LEGENDS OF BMP NAMES AND SYMBOLS. PART OF FIELD WIDE REPORT.
2. QUANTITIES:
EXISTING GRADE AT WELL HEAD = 5693.0
PAD SITE ELEVATION = 5691.8 (GROUND), 5692.3 (GRAVEL)
OUT SLOPES = 3:1
FILL SLOPES = 3:1
TOPSOIL = 3,626 CY REMOVED, 309 CY PLACED AT 3" DEPTH ON PAD
CUT/FILL SLOPES, 1193 CY STOCKPILED
TOTAL CUT = 4612 CY (DOES NOT INCLUDE TOPSOIL)
TOTAL FILL = 3728 CY (INCLUDES 10% ADJUSTMENT FOR COMPACTION)
GRAVEL BASE AT 6" DEPTH = 2,965 CY
TOTAL DISTURBED AREA = 6.8 ACRES (INCLUDING ACCESS ROADWAY)
**SEE THE QUANTITIES/COST ESTIMATE FOR ADDITIONAL QUANTITIES (COVER SHEET).
3. ALL DIVERSION DITCHES ARE ANTICIPATED TO BE UNLINED.
4. THE DIMENSION OF THE CRUSHED ROCK AROUND THE SEDIMENT BASIN RISER PIPE IS LARGER THAN THE HOLE DIAMETER.
5. ALL BMP'S ARE FINAL UNLESS DASHED LINE TYPE. DASHED LINE TYPE BMP'S ARE INTERIM.
6. REMOVAL OF GESC BMP'S SHALL ONLY OCCUR AFTER ALL DISTURBED AREAS TRIBUTARY TO THE GESC BMP'S HAVE BEEN STABILIZED TO THE SATISFACTION OF THE COUNTY INSPECTOR.

SOILS:
USING THE US DEPARTMENT OF AGRICULTURE'S WEB SOIL SURVEY, THREE SOIL TYPES EXIST WITHIN THE PROJECT BOUNDARY. ADENA-COLBY SILT LOAMS (AdC), FONDIS SILT LOAM (FdB), AND FONDIS-COLBY SILT LOAM (FcC). ALL OF THE SOILS LISTED ABOVE FALL INTO THE HYDROLOGIC CLASSIFICATION GROUP C, WHICH HAS MODERATE INFILTRATION. THE K FACTOR DESCRIBES A SOIL'S SUSCEPTIBILITY FOR RILL AND SHEET EROSION POTENTIAL (RATED 0.02 TO 0.69); THE HIGHER THE VALUE THE MORE SUSCEPTIBLE THE SOIL IS TO EROSION. THIS PROJECT'S AREA'S SOIL HAS AN AVERAGE K OF 0.36.

SEDIMENTS TRAP/BASIN:
SEDIMENT TRAP: TRIBUTARY AREA IS 1.3 ACRES WHICH IS LESS THAN 2 ACRES, THEREFORE USE 22"W X 44'L X 4'D, CL = 4', HD = 5/8"
DIVERSION DITCH CAPACITY: 2.39 CFS @ 0.25%

VALID ONLY IF FIRST PAGE IS SIGNED

CALL 811
TWO WORKING DAYS
BEFORE YOU DIG
1-800-922-1987

10333 E. Dry Creek Rd.
Suite 240
Englewood, CO 80112
Tel: (720) 482-8526
Fax: (720) 482-8546

CVL
CONSULTANTS
CIVIL ENGINEERING LAND SURVEYING

CONCOPHILLIPS COMPANY
ATTN: MAXWELL BLANK
34801 E. QUINCY AVE
WATKINS, CO 80137
PHONE: (303) 288-3711

MONTEZUMA #4-64 18-13 4H WELL
GESC PLANS
FINAL GESC

SCALE: AS SHOWN
FILE NO: 8.13.0201666

DRAWN BY: MJP
CHECKED BY: MEL
DATE: 09-04-14

SHEET NUMBER
3

200 WESTERLY PAD SHIFT
ARAPAHOE COUNTY COMMENTS
10-08-14
Date
Init.
Appr.
Date