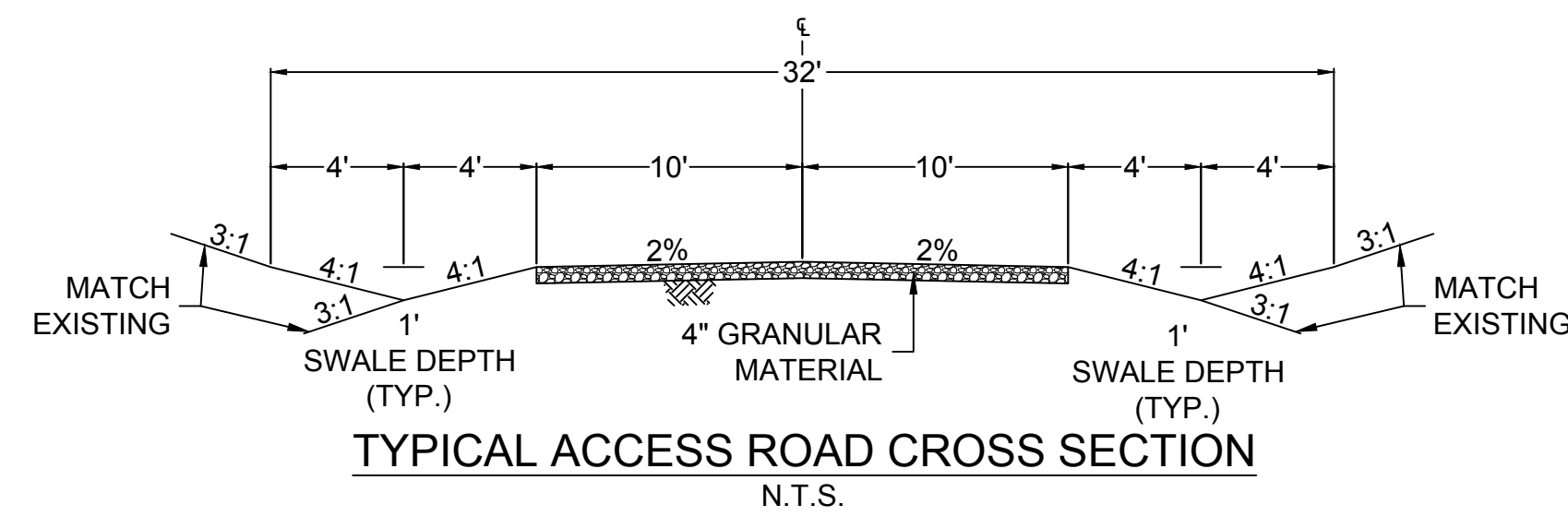
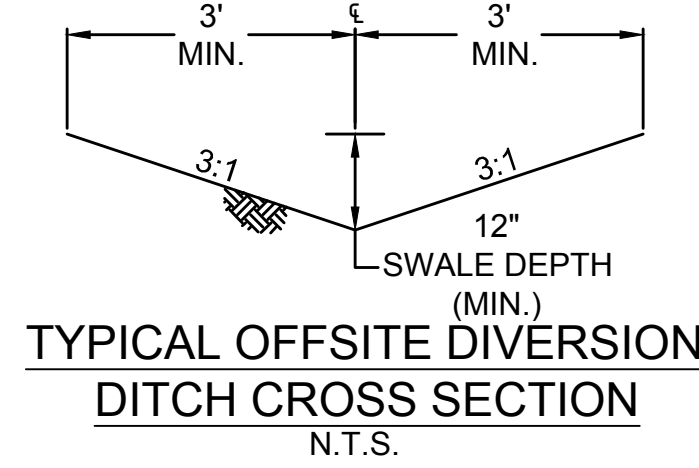
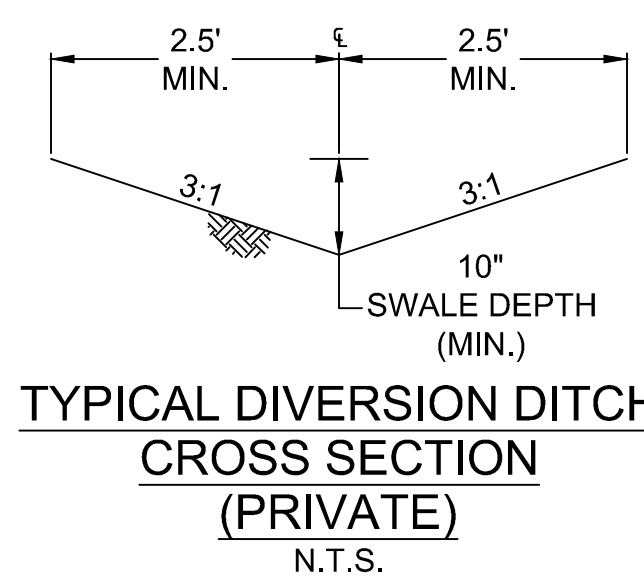


KEY MAP
SCALE 1" = 2000'

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)	(DW)	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 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)	VTC WITH WHEEL WASH
	(1)		ROCK AND RIPRAP GRADATIONS
		(LOC)	LIMITS OF CONSTRUCTION

AREA OUTSIDE OF LIMITS OF CONSTRUCTION, LOC



SOILS:

USING THE US DEPARTMENT OF AGRICULTURE'S WEB SOIL SURVEY, 5 SOIL TYPES EXIST WITHIN THE PROJECT BOUNDARY. BRESSER-TRUCKTON SANDY LOAMS, 3 TO 5 PERCENT SLOPES (BVC) AT 28.4%, BRESSER-TRUCKTON SANDY LOAMS, 5 TO 20 PERCENT SLOPES (BVE) AT 41.8%, BUICK LOAM, 3 TO 5 PERCENT SLOPES (BXC) AT 19.5%, NUNN LOAM, 1 TO 3 PERCENT SLOPES (NIB) AT 3.7%, AND NUNN-BRESSER-ASCALON COMPLEX, 0 TO 3 PERCENT SLOPES, AT 6.6%. THE SOILS LISTED ABOVE FALL INTO THE HYDROLOGIC CLASSIFICATION GROUP B AND C: WHICH HAS MODERATE INFILTRATION AND SLOW INFILTRATION WHEN WET, AND THE K FACTOR DESCRIBES A SOIL'S SUSCEPTIBILITY FOR RILL AND SHEET EROSION POTENTIAL (RATED 0.02 TO 0.89); THE HIGHER THE VALUE THE MORE SUSCEPTIBLE THE SOIL IS TO EROSION. THIS PROJECTS AREA'S SOIL HAS AN AVERAGE K OF 0.20

SEDIMENT TRAP/BASIN:

SEDIMENT BASIN: TRIBUTARY AREA IS 2.36 ACRES, WHICH IS LESS THAN 3 ACRES, THEREFORE USE 28"W X 56'L X 4'D, CL = 5', HD = 1/2".

DIVERSION DITCH CAPACITY: 2.39 CFS @ 0.25%
OFFSITE DIVERSION DITCH CAPACITY: 0.83 CFS @ 0.25% (AS NEEDED)

NOTES:

- 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.
- QUANTITIES:
EXISTING GRADE AT WELL HEAD = 5843.24 PAD SITE ELEVATION = 5839.3 (GROUND), 5839.8 (GRAVEL)
CUT SLOPES = 3:1
FILL SLOPES = 3:1
TOPSOIL = 8579 CY REMOVED, 2439 CY PLACED @ 3" DEPTH ON PAD CUT/FILL SLOPES, 6140 CY STOCKPILED
TOTAL CUT = 32,776 CY (DOES NOT INCLUDE TOPSOIL)
TOTAL FILL = 33,684 CY (INCLUDES 10% ADJUSTMENT FOR COMPACTION)
GRAVEL BASE AT 6" DEPTH = 3,333 CY
TOTAL DISTURBED AREA = 17.28 ACRES (INCLUDING ACCESS ROADWAY)
**SEE THE QUANTITIES/COST ESTIMATE FOR ADDITIONAL QUANTITIES (COVER SHEET).
- 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.

BENCHMARK
BENCHMARK 374 LOCATED ON THE SECTION LINE BETWEEN SECTIONS 12 AND 13, T5S, R64W, 6TH P.M., TAKEN FROM 1988 PUBLISHED DATUM BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY AS BEING 6054.61 FEET.

CALL 811
TWO WORKING DAYS
BEFORE YOU DIG
UNCC 1-800-922-1987
UTILITY NOTIFICATION CENTER OF COLORADO

ARAPAHOE COUNTY CASE NUMBER: XXX-XXX

10333 E. Dry Creek Rd.
Suite 240
Englewood, CO 80112
Tel: (720) 482-9546
Fax: (720) 482-9546



CONOCOPHILLIPS COMPANY
ATTN: KATHY DENZER
34501 E. QUINCY AVE.
WATKINS, CO 80137
PHONE: (303) 248-3773

STATE CHALLENGER 5-65 3-1
GESC PLANS
PHASE 1 PAD
INITIAL/INTERIM GESC

SCALE: JRG
AS SHOWN
FILE NO: MEL
DATE: 03/02/2017
8.13.201693

SHEET NUMBER
2