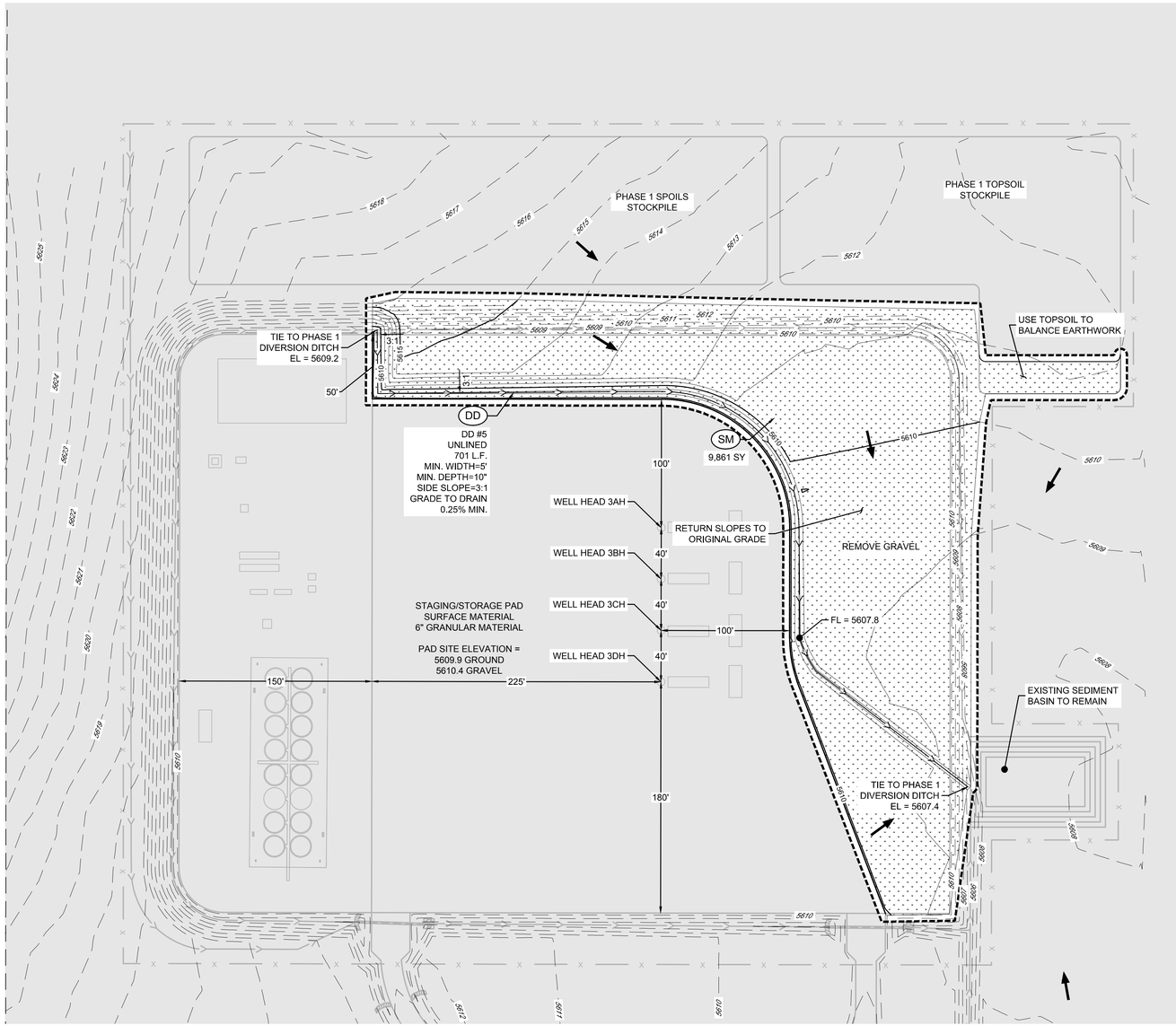
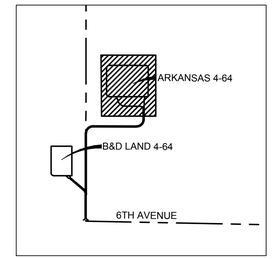
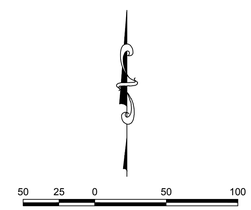


PLAN: PHASE 1 INTERIM RECLAMATION



KEYMAP



SCALE: 1" = 50'

DETAIL SHEET NO.	NO.	BMP LEGEND	
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

NOTES:
1. SEE THE STANDARD NOTES AND DETAILS IN FIELD WIDE REPORT, REVISED JANUARY 2010 (3 SHEETS) FOR ALL STANDARD DETAILS & CITY OF AURORA RULES AND REGULATIONS REGARDING STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITIES, NOTES AND LEGENDS OF BMP NAMES AND SYMBOLS.
2. QUANTITIES:
   PAD SITE ELEVATION = 5609.9' (GROUND), 5610.4' (GRAVEL)
   CUT SLOPES = 3:1
   FILL SLOPES = 3:1
   RECLAMATION TOTAL CUT = 1860 CY
   RECLAMATION TOTAL FILL = 2385 CY
   RECLAMTION TOPSOIL = 525 CY PLACED USED FOR RECLAMATION
   RECLAIMED GRAVEL SURFACE = 1.54 ACRES
   RECLAMATION TOTAL DISTURBED AREA = 2.05 ACRES
3. ALL DIVERSION DITCHES ARE ANTICIPATED TO BE UNLINED.
4. THE DIMENSION OF THE CRUSHED ROCK AROUND THE SEDIMENT BASIN RISER

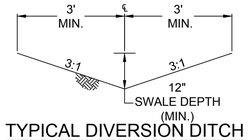
SOILS:

USING THE US DEPARTMENT OF AGRICULTURE'S WEB SOIL SURVEY, 2 SOIL TYPES EXIST WITHIN THE PROJECT BOUNDARY, BRESSER-TRUCKTON SANDY LOAMS 3 TO 5 PERCENT SLOPES (BvC) AND NUNN-BRESSER-ASCALON COMPLEX , 0 TO 3 PERCENT SLOPES(NrB). ALL OF THE SOILS LISTED ABOVE FALL INTO THE HYDROLOGIC CLASSIFICATION GROUP B, 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 PROJECTS AREA'S SOIL HAS AN AVERAGE K OF 0.21.

SEDIMENT TRAP/BASIN:

SEDIMENT BASIN: TRIBUTARY AREA IS 4.58 ACRES, WHICH IS LESS THAN 5 ACRES, THEREFORE USE 38.5'W X 77'L X 4'D, CL = 8', HD = 21/32".

DIVERSION DITCH CAPACITY: 2.39 CFS @ 0.25%
OFFSITE DIVERSION DITCH CAPACITY: 2.39 CFS @ 0.25%



TYPICAL DIVERSION DITCH CROSS SECTION
N.T.S.

BENCH MARK
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.

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

ARAPAHOE COUNTY CASE NUMBER: XXX-XXX

No.	Revisions	Date	Init.	Appr.	Date

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CIVIL ENGINEERING LAND SURVEYING

CONOCOPHILLIPS COMPANY
ATTN: KATHY DOTZER
34801 E. QUINCY AVE.
WATKINS, CO 80137
PHONE: (303) 268-3773

ARKANSAS 4-64 3-2
GESC PLANS
PHASE 1 INTERIM RECLAMATION AREA

SCALE: AS SHOWN
FILE NO: 8.13.302805
DRAWN BY: KJD
CHECKED BY: MEL
DATE: OCT 2017
SHEET NUMBER 6

Z:\Initial-Interim GESC PH1 RECLAMATION.dwg