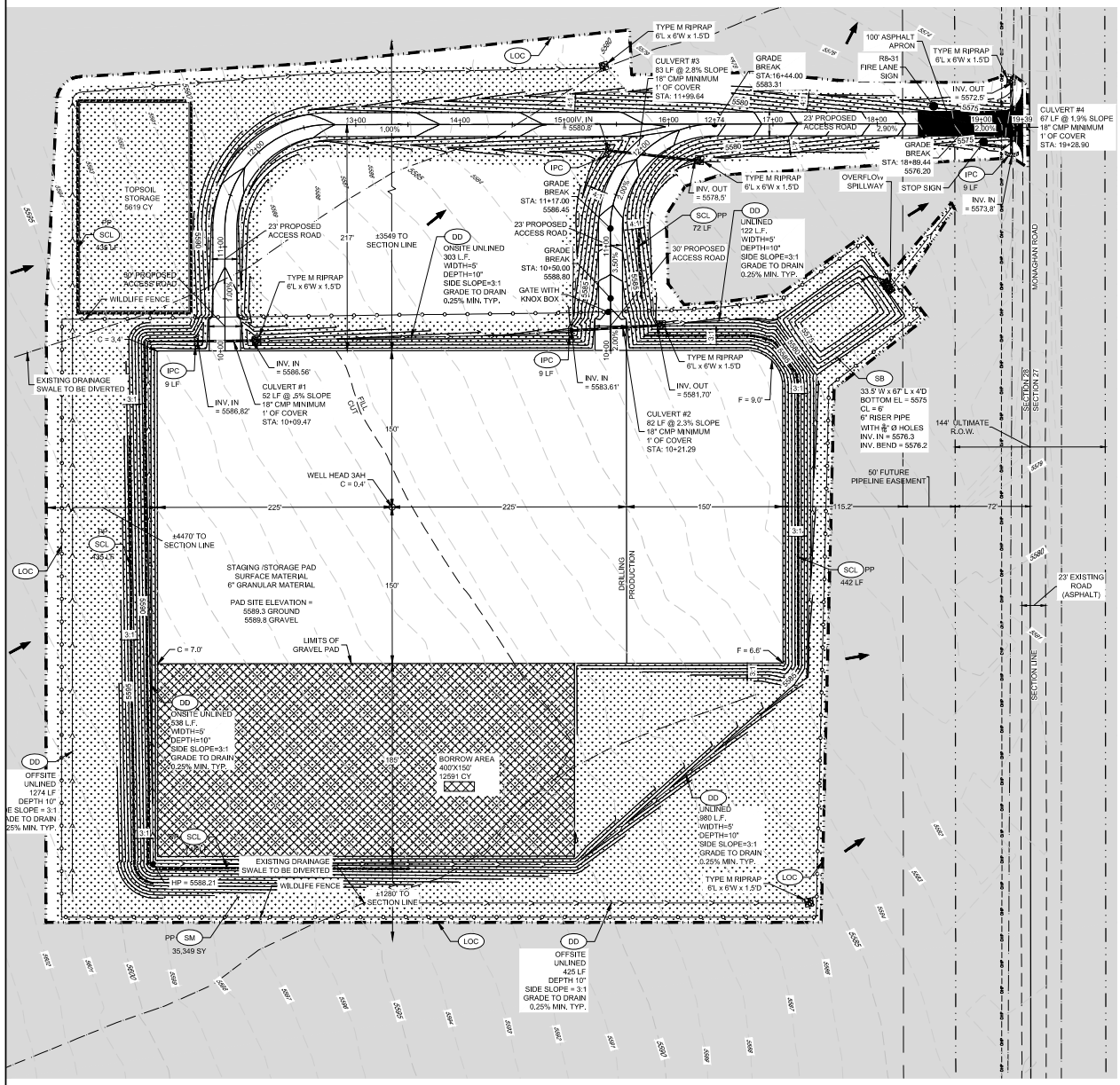
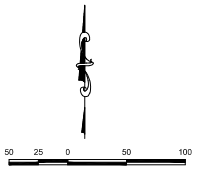
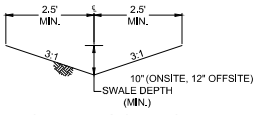






TYPICAL DIVERSION DITCH CROSS SECTION (PRIVATE)
N.T.S.

LEGEND

HP	HIGH POINT ELEVATION (F = X.X' FILL; C = X.X' CUT)
SM	SEEDING AND MULCHING
IPC	CULVERT INLET PROTECTION
OP	OUTLET PROTECTION
RS	ROCK SOCKS/WATTLES
SF	SILT FENCE
ECB	EROSION CONTROL BLANKET
DD	DIVERSION DITCH
SCL	SEDIMENT CONTROL LOG
LOC	LIMITS OF CONSTRUCTION
SB	SEDIMENT BASIN
	EXISTING EASEMENT
	PROPOSED EASEMENT
	WILDLIFE FENCE
	SECTION LINE
	OVERHEAD POWER LINE

AREA OUTSIDE OF LIMITS OF CONSTRUCTION, LOC

SOILS:

USING THE US DEPARTMENT OF AGRICULTURE'S WEB SOIL SURVEY, TWO SOIL TYPES EXIST WITHIN THE PROJECT BOUNDARY, ADENA-COLBY ASSOCIATION, MODERATELY SLOPING (AdC), AND PLATNER LOAM, 3 TO 5 PERCENT SLOPES (PlC). THE SOILS LISTED ABOVE FALL INTO THE HYDROLOGIC CLASSIFICATION GROUP C, WHICH HAS A SLOW TO MODERATE INFILTRATION RATE. 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 0.34.

DEWATERING

IF DEWATERING IS REQUIRED, A STATE CONSTRUCTION DEWATERING DISCHARGE PERMIT IS REQUIRED FOR DISCHARGES TO A STORM SEWER, CHANNEL, IRRIGATION DITCH, ANY STREET THAT IS TRIBUTARY TO THE MENTIONED FACILITIES, OR ANY WATER OF THE UNITED STATES.

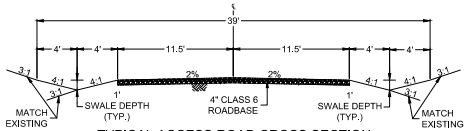
SEDIMENT BASIN:

CALCULATIONS IN NARRATIVE AMENDMENTS TO APPROVED PLANS.

DIVERSION DITCH CAPACITY: 2.39 CFS @0.25%

CITY OF AURORA NOTE:
2.03.5.01 CITY OF AURORA PLAN REVIEW IS ONLY FOR GENERAL CONFORMANCE WITH CITY OF AURORA DESIGN CRITERIA AND THE CITY CODE. THE CITY IS ONLY RESPONSIBLE FOR THE ACCURACY AND ADEQUACY OF THE DESIGN, DIMENSIONS, AND ELEVATIONS WHICH SHALL BE CONFIRMED AND CORRELATED AT THE JOB SITE. THE CITY OF AURORA, THROUGH THE APPROVAL OF THIS DOCUMENT, ASSUMES NO RESPONSIBILITY FOR THE COMPLETENESS AND/OR ACCURACY OF THIS DOCUMENT.

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:
   EXISTING GRADE AT WELL HEAD 3AH = 5588.9'
   PAD SITE ELEVATION = 5589.3' (GROUND), 5589.8' (GRAVEL)
   CUT SLOPES = 3:1
   FILL SLOPES = 3:1
   PHASE 1 TOPSOIL = 7,258 CY, 1638 CY PLACED AT 3" DEPTH ON PAD
   CUT/FILL SLOPES, 5619 CY STOCKPILED
   PHASE 1 TOTAL CUT = 22,723 CY (DOES NOT INCLUDE TOPSOIL, INCLUDES DD & SB)
   PHASE 1 TOTAL FILL = 22,723 CY (INCLUDES 10% ADJUSTMENT FOR COMPACTION)
   PHASE 1 GRAVEL BASE AT 6" DEPTH = 13,313 CY
   PHASE 1 TOTAL DISTURBED AREA = 13.76 ACRES (INCLUDING ACCESS ROADWAY)
3. ALL DIVERSION DITCHES ARE ANTICIPATED TO BE UNLINED.
4. ENSURE THAT THE PROVISIONS OF CRS 37-92-602, AS AMENDED BY SENATE BILL 15-212, REGARDING NOTIFICATION OF DOWNSTREAM WATER RIGHTS HOLDERS ARE UPHELD.



TYPICAL ACCESS ROAD CROSS SECTION (PRIVATE)
N.T.S.

PROJECT AREA IS LOCATED IN AN AREA WITH A NON-PRINTED FLOOD MAP BOUNDARY

BENCH MARK
COA BM #5651TNE001, A 3 INCH DIAMETER BRASS CAP STAMPED (C.O.A., BM, 23-50) ATOP THE N.E. CORNER CONC. BASE FOR POWER TOWER ON THE WEST SIDE OF POWHATON ROAD BEING THE 1ST POWER TOWER SOUTH OF THE W. 1/4 CORNER SECTION 4, T4S, R65W, AND BEING 125' SOUTH THEREOF. EL = 5627.696, NAVD 1988

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No.	Revisions	Date	Init.	Appr.	Date

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CONOCOPHILLIPS COMPANY
ATTN: DAVID BARNES
34501 E. QUINCY AVE.
WATKINS, CO. 80137
PHONE: (303) 268-6711

KING #3-65 29-29 4DH-4AH, 3DH-3AH
OIL & GAS WELL
CITY OF AURORA
PHASE 1 SWMP

DRAWN BY: KJD	SCALE: AS SHOWN	SHEET NUMBER 2	
CHECKED BY: MEL	FILE NO. 8130201685		
DATE: 10-26-16			

SWMP-PHASE 1-HAGE 5-CAD\BILL-MAKE.dwg