

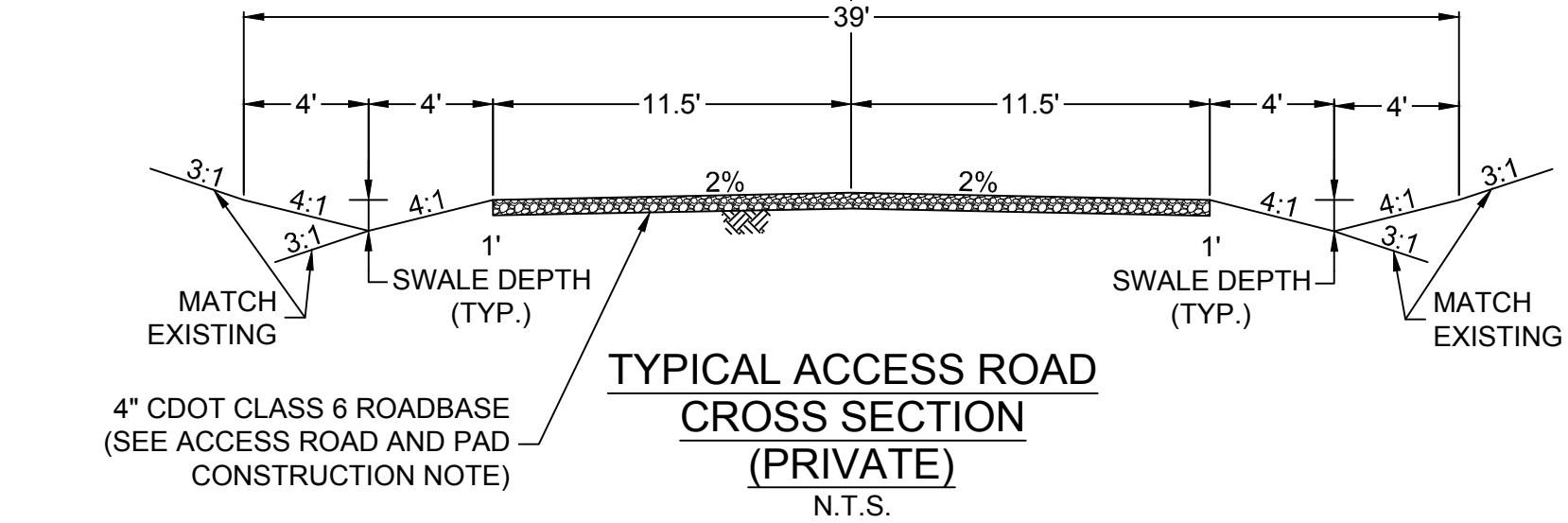
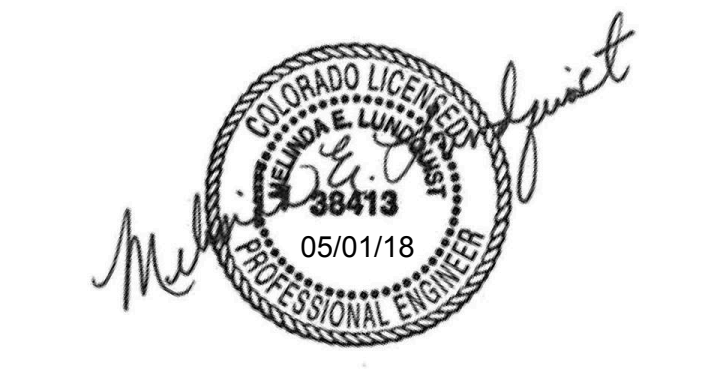
**SOILS:**  
 USING THE US DEPARTMENT OF AGRICULTURE'S WEB SOIL SURVEY, SIX SOIL TYPES EXIST WITHIN THE PROJECT BOUNDARY, ADENA LOAM, 0 TO 3 PERCENT SLOPES, ADENA LOAM, 3 TO 5 PERCENT SLOPES, ADENA-COLBY ASSOCIATION, MODERATELY SLOPING, PLATNER LOAM, 0 TO 3 PERCENT SLOPES, PLATNER LOAM, 3 TO 5 PERCENT SLOPES, WELD LOAM, 1 TO 3 PERCENT SLOPES. 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 0.28.

**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 DRAINAGE LETTER.

**DIVERSION DITCH CAPACITY:** 2.39 CFS @ 0.25%  
**CITY OF AURORA NOTE:**  
 2.03.6.01 CITY OF AURORA PLAN REVIEW IS ONLY FOR GENERAL CONFORMANCE WITH CITY OF AURORA DESIGN CRITERIA AND THE CITY CODE. THE CITY IS NOT 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.

**NOTE:** CONTRACTOR TO COORDINATE VARIANCE REQUEST FOR ASPHALT APRON IN LIEU OF VTC WITH ENVIRONMENTAL INSPECTOR AT ECKO MEETING.



**BENCH MARK**  
 COA BM 4S6517NE001, 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 POWHATAN ROAD BEING THE 1ST POWER TOWER SOUTH OF THE W. 1/4 CORNER SECTION 4, T4S, R65W, AND BEING 125' SOUTH THEREOF. EL = 5627.698, NAVD 1988

LEGEND	
HP	HIGH POINT ELEVATION
SM	SEEDING AND MULCHING PP
IPC	CULVERT INLET PROTECTION
OP	OUTLET PROTECTION
RS	ROCK SOCKS/WATTLES
SF	SILT FENCE
ECB	EROSION CONTROL BLANKET PP
DD	DIVERSION DITCH
SCL	SEDIMENT CONTROL LOG
CM	CONSTRUCTION MARKERS
LOC	LIMITS OF CONSTRUCTION
SB	SEDIMENT BASIN
	PHASE LINE (NO WORK ZONE)
	EXISTING EASEMENT
	PROPOSED EASEMENT
	WILDLIFE FENCE
	SECTION LINE
	OVERHEAD POWER LINE
	PROPOSED MAJOR CONTOURS
	EXISTING MAJOR CONTOURS
	NO DISTURBANCE AREA

- NOTES:**
- SEE THE STANDARD NOTES AND DETAILS IN FIELD WORK 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.
  - QUANTITIES:  
 EXISTING GRADE AT WELL HEAD 3AH = 5594.9'  
 EXISTING GRADE AT WELL HEAD 3BH = 5595.0'  
 EXISTING GRADE AT WELL HEAD 3CH = 5595.2'  
 EXISTING GRADE AT WELL HEAD 3DH = 5596.2'  
 PAD SITE ELEVATION = 5594.4' (GROUND), 5594.9' (GRAVEL)  
 CUT SLOPES = 3:1  
 FILL SLOPES = 3:1  
 PHASE 1 TOPSOIL = 4648 CY, 535 CY PLACED AT 3" DEPTH ON PAD  
 CUT/FILL SLOPES, 4113 CY STOCKPILED  
 PHASE 1 TOTAL CUT = 26203 CY (DOES NOT INCLUDE TOPSOIL, INCLUDES DD & SB)  
 PHASE 1 FENCED AREA = 9.23 ACRES  
 PHASE 1 GRAVEL BASE AT 6" DEPTH = 3406 CY  
 PHASE 1 TOTAL DISTURBED AREA = 10.05 ACRES (INCLUDING ACCESS ROADWAY)  
 PHASE 1 GRAVEL PAD AREA = 4.2 ACRES  
 PHASE 1 ROAD DISTURBED AREA = 0.7 ACRES
  - ALL DIVERSION DITCHES ARE ANTICIPATED TO BE UNLINED.
  - ENSURE THAT THE PROVISIONS OF CRS 37-92-602, AS AMENDED BY SENATE BILL 15-212, REGARDING NOTIFICATION OF DOWNSTREAM WATER RIGHTS HOLDERS ARE UPHOLD.
  - SEE GENERAL NOTE #2 ON COVER SHEET FOR BMP PHASING.
  - PROJECT AREA IS FOUND ON FIRM PANEL 08005C0216K, AND 08005C0208K, BOTH DATED DECEMBER 17, 2010, AND IS LOCATED IN FLOOD ZONE X.
  - SEE SITE PLAN FOR WILDLIFE FENCE DETAIL.
  - ECB IS PROPOSED ON 3:1 SLOPES EXCEEDING 10 VERTICAL FEET. SCL ARE PROPOSED ON 3:1 SLOPES BETWEEN 5 & 10 VERTICAL FEET. SEE GENERAL NOTE #7 ON COVER SHEET. IF SM IS NOT ADEQUATE FOR 3:1 SLOPES NOT MEETING THE ABOVE DESCRIBED CRITERIA, ADDITIONAL ECB AND/OR SCL MAY BE NECESSARY.
  - IF THIS WORK IS TO OCCUR AFTER THE ORIGINAL PLANS HAVE EXPIRED, THE CITY RESERVES THE RIGHT TO RE-REVIEW TO ENSURE COMPLIANCE WITH CURRENT STANDARDS.

10333 E. Dry Creek Rd. Suite 410 Englewood, CO 80150 Tel: (720) 482-9526 Fax: (720) 482-9546	10333 E. Dry Creek Rd. Suite 410 Englewood, CO 80150 Tel: (720) 482-9526 Fax: (720) 482-9546	10333 E. Dry Creek Rd. Suite 410 Englewood, CO 80150 Tel: (720) 482-9526 Fax: (720) 482-9546	10333 E. Dry Creek Rd. Suite 410 Englewood, CO 80150 Tel: (720) 482-9526 Fax: (720) 482-9546
CONCOPHILLIPS COMPANY ATTN: KATHY DENZER 34501 E. QUINCY AVE., BUILDING 1 WATKINS, CO 80137 PHONE: (303) 266-3773	CONCOPHILLIPS COMPANY ATTN: KATHY DENZER 34501 E. QUINCY AVE., BUILDING 1 WATKINS, CO 80137 PHONE: (303) 266-3773	CONCOPHILLIPS COMPANY ATTN: KATHY DENZER 34501 E. QUINCY AVE., BUILDING 1 WATKINS, CO 80137 PHONE: (303) 266-3773	CONCOPHILLIPS COMPANY ATTN: KATHY DENZER 34501 E. QUINCY AVE., BUILDING 1 WATKINS, CO 80137 PHONE: (303) 266-3773
SCHULT #3-65-21-20 3AH, 3BH, 3CH, 3DH, 4AH, 4BH, 4CH & 4DH OIL & GAS WELL WEST OF MONAGHAN ROAD & NORTH OF E. 38TH AVENUE SWMP PHASE 1	SCHULT #3-65-21-20 3AH, 3BH, 3CH, 3DH, 4AH, 4BH, 4CH & 4DH OIL & GAS WELL WEST OF MONAGHAN ROAD & NORTH OF E. 38TH AVENUE SWMP PHASE 1	SCHULT #3-65-21-20 3AH, 3BH, 3CH, 3DH, 4AH, 4BH, 4CH & 4DH OIL & GAS WELL WEST OF MONAGHAN ROAD & NORTH OF E. 38TH AVENUE SWMP PHASE 1	SCHULT #3-65-21-20 3AH, 3BH, 3CH, 3DH, 4AH, 4BH, 4CH & 4DH OIL & GAS WELL WEST OF MONAGHAN ROAD & NORTH OF E. 38TH AVENUE SWMP PHASE 1
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