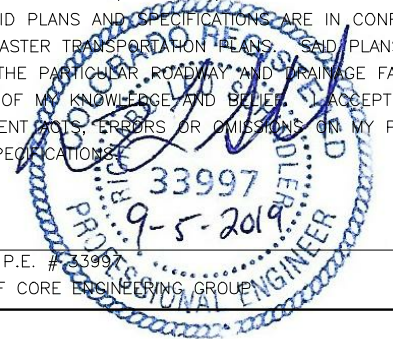


ENGINEER'S APPROVAL

THESE DETAILED PLANS AND SPECIFICATIONS WERE PREPARED UNDER MY DIRECTION AND SUPERVISION. SAID PLANS AND SPECIFICATIONS HAVE BEEN PREPARED ACCORDING TO THE CRITERIA ESTABLISHED BY THE COUNTY FOR DETAILED ROADWAY, DRAINAGE, GRADING AND EROSION CONTROL PLANS AND SPECIFICATIONS, AND SAID PLANS AND SPECIFICATIONS ARE IN CONFORMITY WITH APPLICABLE MASTER DRAINAGE PLANS AND MASTER TRANSPORTATION PLANS. SAID PLANS AND SPECIFICATIONS MEET THE PURPOSES FOR WHICH THE PARTICULAR ROADWAY AND DRAINAGE FACILITIES ARE DESIGNED AND ARE CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. I ACCEPT RESPONSIBILITY FOR ANY LIABILITY CAUSED BY ANY NEGLIGENT ACTS, ERRORS OR OMISSIONS ON MY PART IN PREPARATION OF THESE DETAILED PLANS AND SPECIFICATIONS.



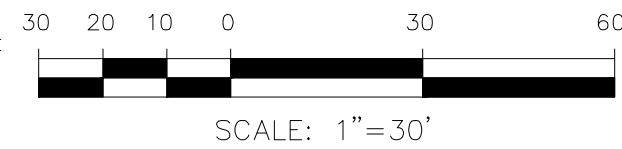
RICHARD L. SCHINDLER, P.E. #33997
FOR AND ON BEHALF OF CORE ENGINEERING GROUP

CONSTRUCTION APPROVAL

COUNTY PLAN REVIEW IS PROVIDED ONLY FOR GENERAL CONFORMANCE WITH COUNTY DESIGN CRITERIA. THE COUNTY IS NOT RESPONSIBLE FOR THE ACCURACY AND ADEQUACY OF THE DESIGN, DIMENSIONS, AND/OR ELEVATIONS WHICH SHALL BE CONFIRMED AT THE JOB SITE. THE COUNTY THROUGH THE APPROVAL OF THIS DOCUMENT ASSUMES NO RESPONSIBILITY FOR COMPLETENESS AND/OR ACCURACY OF THIS DOCUMENT.

FILED IN ACCORDANCE WITH THE REQUIREMENTS OF THE EL PASO COUNTY LAND DEVELOPMENT CODE, DRAINAGE CRITERIA MANUALS VOLUME 1 AND 2, AND ENGINEERING CRITERIA MANUAL AS AMENDED. IN ACCORDANCE WITH ECM SECTION 1.12, THESE CONSTRUCTION DOCUMENTS WILL BE VALID FOR CONSTRUCTION FOR A PERIOD OF 2 YEARS FROM THE DATE SIGNED BY THE EL PASO COUNTY ENGINEER. IF CONSTRUCTION HAS NOT STARTED WITHIN THOSE TWO YEARS THE PLANS WILL NEED TO BE RESUBMITTED FOR APPROVAL, INCLUDING PAYMENT OF REVIEW FEES AT THE PLANNING AND COMMUNITY DEVELOPMENT DIRECTOR'S DISCRETION

JENNIFER IRVINE, COUNTY ENGINEER/ECM ADMINISTRATOR DATE
CONDITIONS:



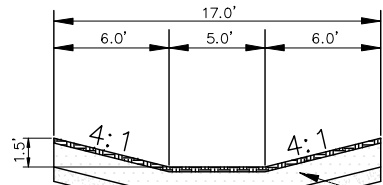
PCD File # PPR 19-024



15004 1st AVENUE SOUTH
BURNSVILLE, MN 55306
PH: 719.570.1100
FAX: 719.570.1106
CONTACT: RICHARD L. SCHINDLER, P.E.
EMAIL: RichS@cegl.com

FINAL DRAINAGE PLAN DETAILS
7340 UTAH LANE
EL PASO COUNTY, COLORADO

DATE: Jan., July, 2019	JOB NO: 315.003
SCALE: 1"=30	FIGURE NO: 1 of 4



PLD #1 SECTION A-A
 9" GRAVEL LAYER (CDOT SECT. 703, AASHTO #5 COARSE AGGREGATE)
 18" MIN. DEPTH, 75% ASTM C-33 SAND, 25% PEAT MIX, WITH A 3" SANDY LOAM TURF LAYER
 PERC. TEST REQUIRED AT BOTTOM OF EXCAVATION

5870
 5' Wx16' L BOTTOM OF PROPOSED N 1/2 POROUS LANDSCAPE DETENTION, 4:1 SIDE SLOPE 132CF, 8.1" DEEP (PLD #1) PERC TEST REQUIRED, SEE SHT 4 FOR PLD #1 GRADING DETAIL

6.0'Lx0.5'D Overflow weir, Route Flow To Existing Swale

PROPOSED SWALE TO PLD, 1.00% MINIMUM SLOPE

Grade To Exist. Swale

PLD #1

DIRECT ROOF FLOW TO PROPOSED SWALE

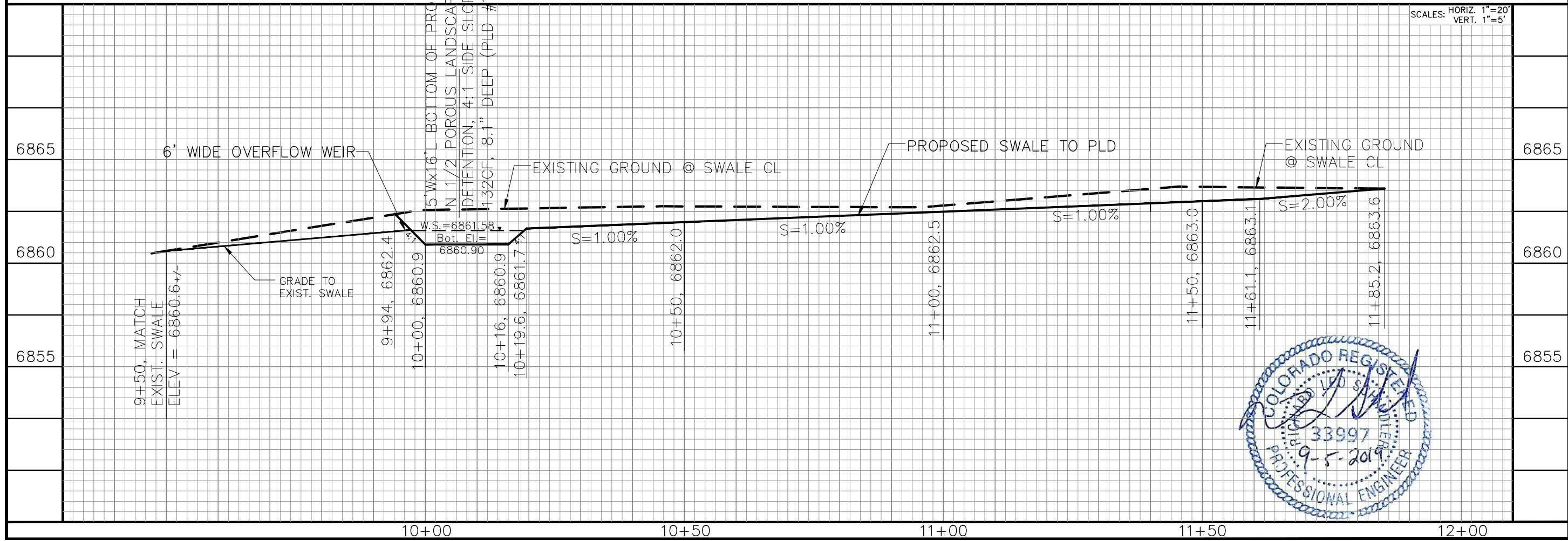
1/2 EX BLDG 3,960 SF

UTAH LANE

PCD File # PPR 19-024
 x 6862.60 = EXIST. SPOT ELEV

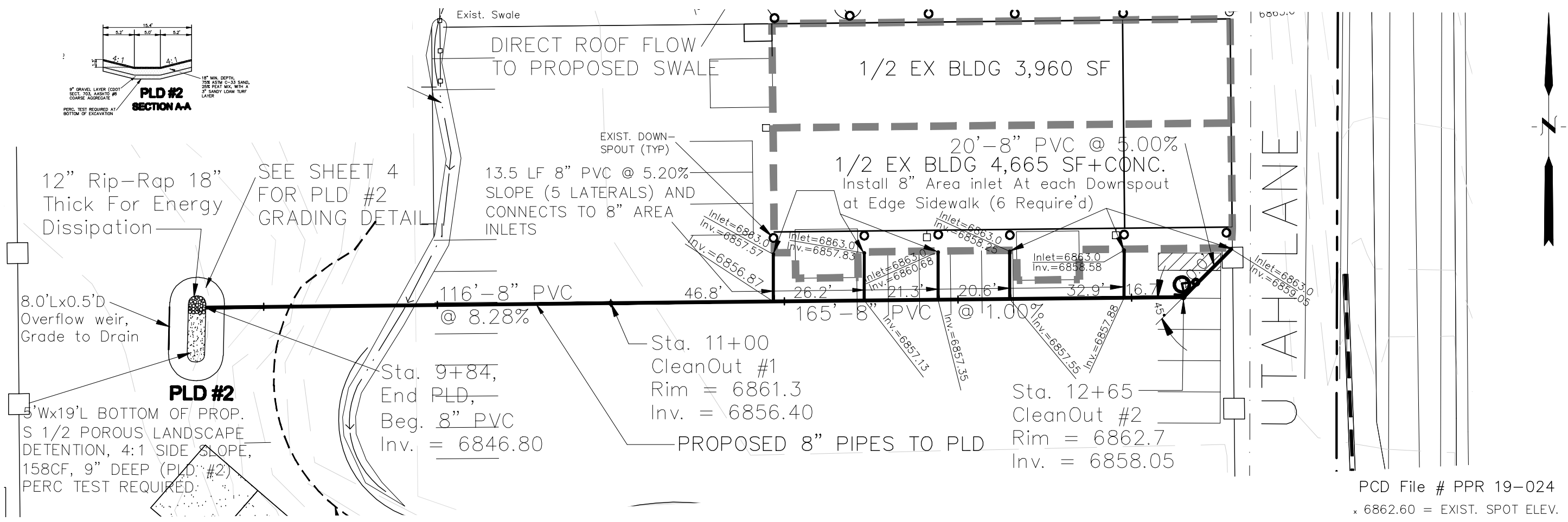
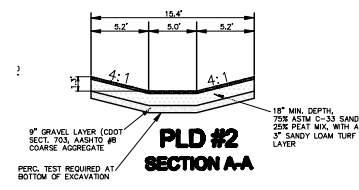
CORE ENGINEERING GROUP
 15004 1st AVENUE SOUTH
 BURNSVILLE, MN 55306
 PH: 719.570.1100
 CONTACT: RICHARD L. SCHINDLER, P.E.
 EMAIL: RLS@cegi.com

DATE: _____
 NO. _____
 DESCRIPTION _____
 PREPARED FOR: T-P ENTERPRISES, INC.
 PROJECT: EQUIPMENT RESOURCES
 5055 E. 39th AVENUE
 DENVER, CO 80207
 EL PASO COUNTY, COLORADO
 CONTACT: DAVE PICKRELL



PLAN AND PROFILE
 SURFACE SWALE to PLD #1
 7340 UTAH LANE
 EL PASO COUNTY, COLORADO

DATE: JULY 2019
 PROJECT NO. 315.003
 SHEET NUMBER 2 of 4
 TOTAL SHEETS: _____

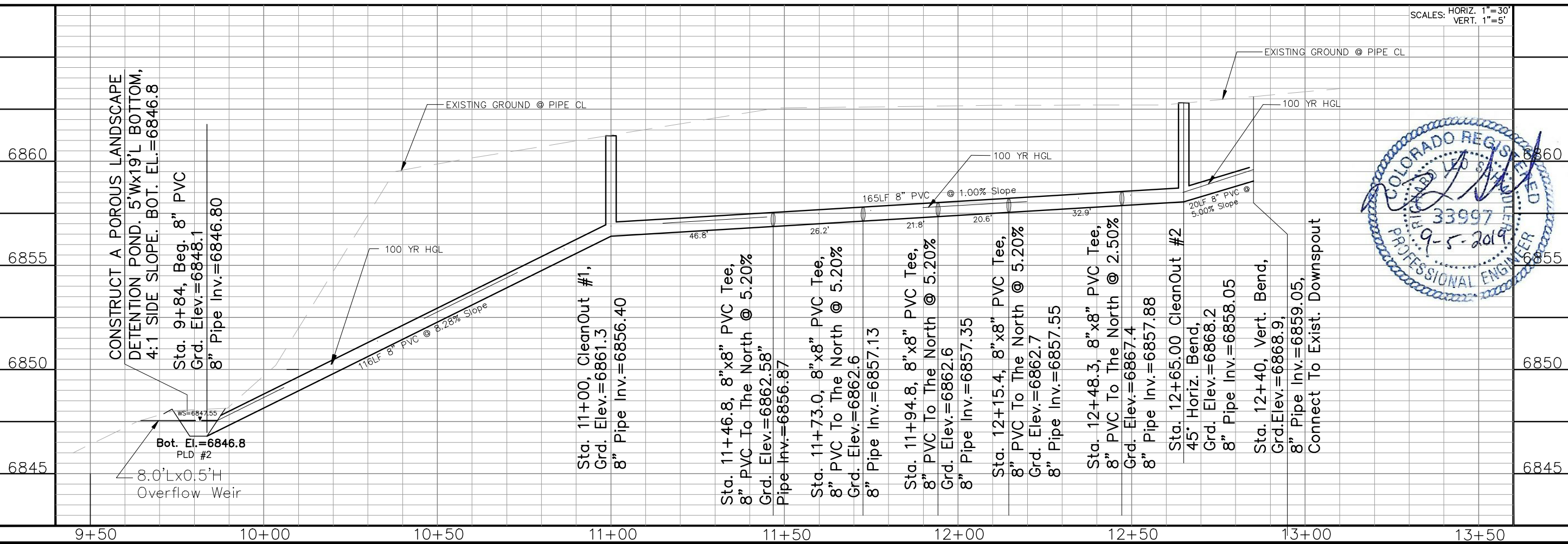


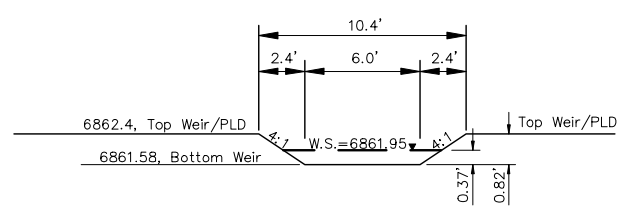
PCD File # PPR 19-024
 x 6862.60 = EXIST. SPOT ELEV.

CORE ENGINEERING GROUP
 15004 1st AVENUE SOUTH
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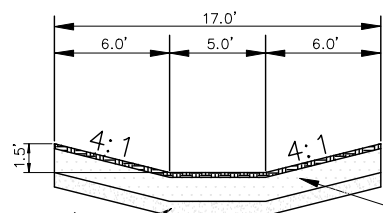
T-P ENTERPRISES, INC.
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 7340 UTAH LANE
 EL PASO COUNTY, COLORADO



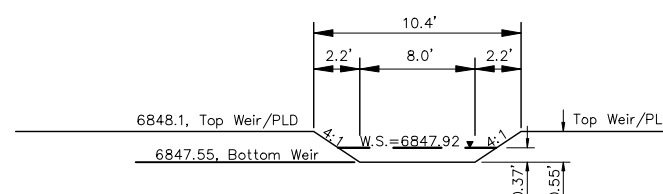


**PLD #1
OVERFLOW WEIR**

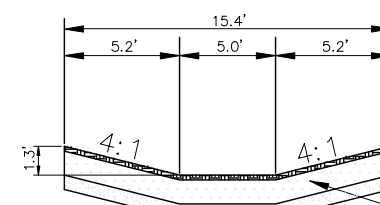


9" GRAVEL LAYER (CDOT SECT. 703, AASHTO #8 COARSE AGGREGATE)
18" MIN. DEPTH, 75% ASTM C-33 SAND, 25% PEAT MIX, WITH A 3" SANDY LOAM TURF LAYER
PERC. TEST REQUIRED AT BOTTOM OF EXCAVATION

**PLD #1
SECTION A-A**



**PLD #2
OVERFLOW WEIR**

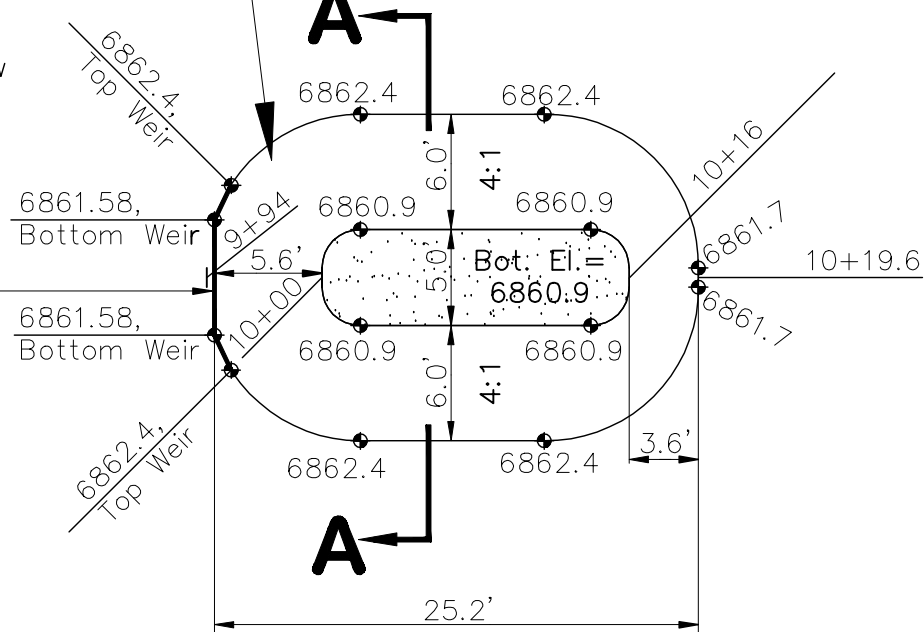


9" GRAVEL LAYER (CDOT SECT. 703, AASHTO #8 COARSE AGGREGATE)
18" MIN. DEPTH, 75% ASTM C-33 SAND, 25% PEAT MIX, WITH A 3" SANDY LOAM TURF LAYER
PERC. TEST REQUIRED AT BOTTOM OF EXCAVATION

**PLD #2
SECTION A-A**

5'x16'L BOTTOM OF PROP. N 1/2 POROUS LANDSCAPE DETENTION, 4:1 SIDE SLOPE, 132CF, 8.1" DEEP (PLD #1). STORMWATER EXITS PLD BY INFILTRATION, PERC TEST REQUIRED, and SHALL BE TAKEN AT BOTTOM OF EXCAVATION, IF TEST FAILS A PERFORATED OUTLET PIPE SHALL BE INSTALLED.

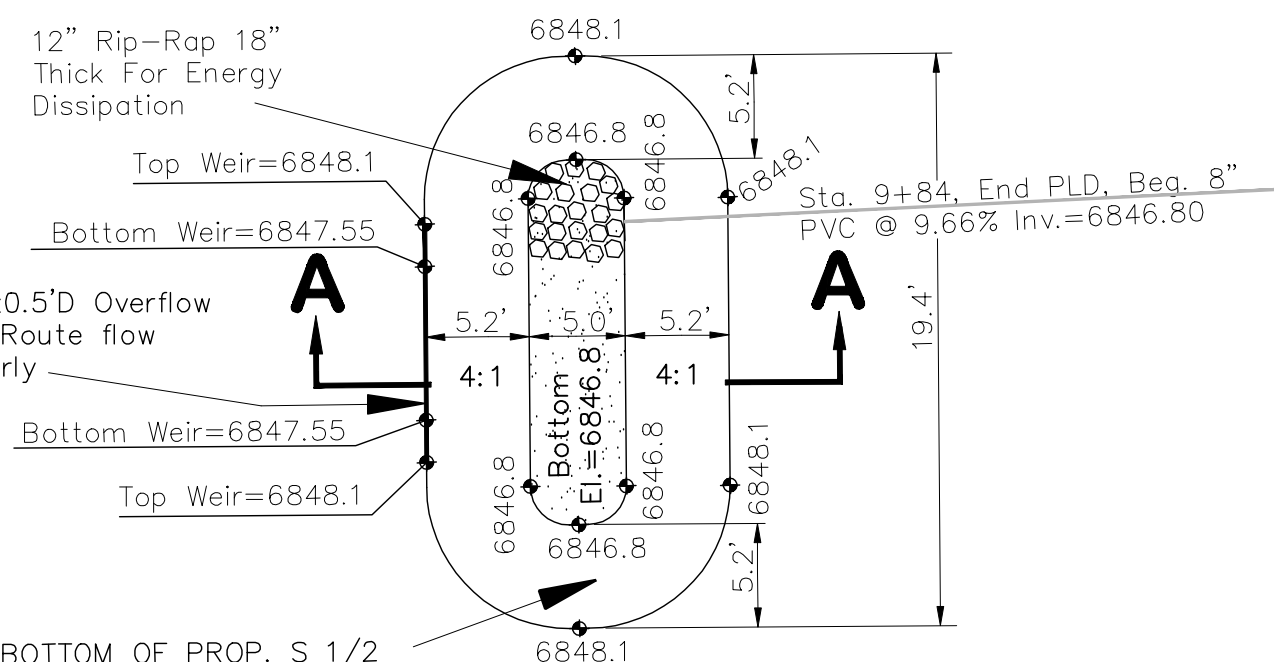
6.0'Lx0.5'D Overflow weir, Route Flow Westerly



PLD #1

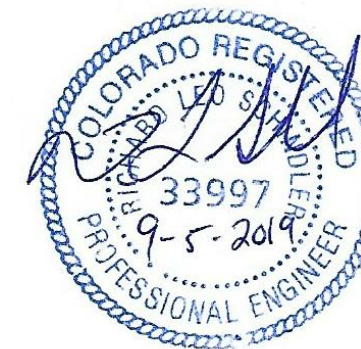
12" Rip-Rap 18" Thick For Energy Dissipation

8.0'Lx0.5'D Overflow weir, Route flow Westerly



5'x19'L BOTTOM OF PROP. S 1/2 POROUS LANDSCAPE DETENTION, 4:1 SIDE SLOPE, 158CF, 9" DEEP (PLD #2). STORMWATER EXITS PLD BY INFILTRATION, PERC TEST REQUIRED, and SHALL BE TAKEN AT BOTTOM OF EXCAVATION, IF TEST FAILS A PERFORATED OUTLET PIPE SHALL BE INSTALLED.

PLD #2



PCD File # PPR 19-024



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POROUS LANDSCAPE DETENTION GRADING
7340 UTAH LANE
EL PASO COUNTY, COLORADO

DATE: Jan., July, 2019	JOB NO: 315.003
SCALE: No Scale	FIGURE NO: 4 of 4