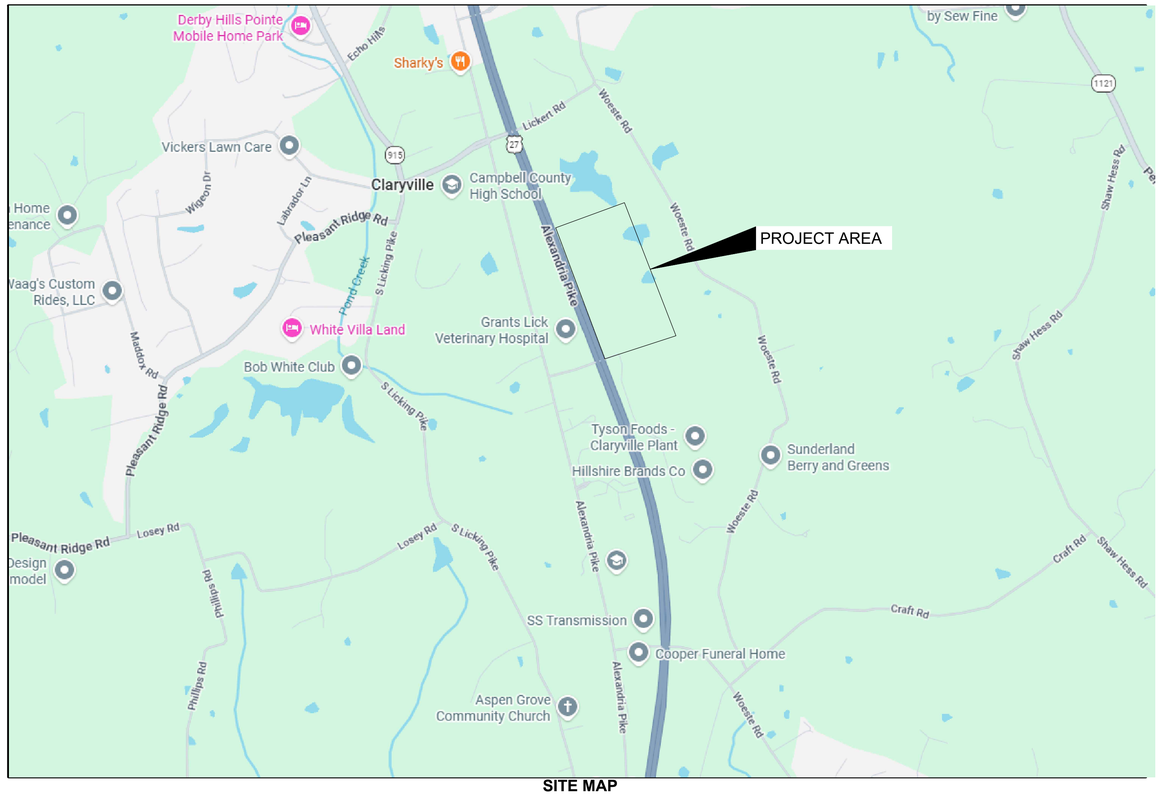
SOUTHERN CAMPBELL COUNTY INDUSTRIAL COMPLEX

CAMPBELL COUNTY, KENTUCKY

1000 BUD POGUE WAY, ALEXANDRIA, KY

42243



SITE MAP

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811 Know what's below. Call before you dig.

PROJECT SPECIFICATIONS

THE LATEST STANDARD SPECIFICATIONS OF KENTUCKY TRANSPORTATION CABINENT, SANITATION DISTRICUT NUMBER 1, AND CAMPBELL COUNTY SUBDIVISION REGULATIONS SHALL GOVERN THIS PROJECT.

SOURCE OF BASE MAP INFORMATION

THE BASE MAP INFORMATION IS A COMBINATION OF FIELD LOCATED INFORMATION ALONG THE RIGHT OF WAY FOR US 27 AND READILY AVAILABLE GIS INFORMATION FOR THE REMAINDER OF THE SITE.

STATE OF KENTUCKY
MORK J. LACHNIET
36287
LICENSED PROFESSIONAL ENGINEER
3-12-26

verdantas

NO	REVISION	DATE

ISSUED FOR:	PERMIT
ISSUE DATE:	3/12/26
SCALE:	AS SHOWN
DESIGNED BY:	AJAC
DRAWN BY:	AJAC
CHECKED BY:	MLAC

CAMPBELL COUNTY
SOUTH INDUSTRIAL PARK

BUD POGUE WAY

TITLE SHEET

PROJECT NO.	
42243	
DISCIPLINE	
CIVIL	
SHEET NAME	
C01	
SHEET	OF
1	9

GENERAL NOTES

ALL CONSTRUCTION SHALL CONFORM TO THESE PLANS AND SPECIFICATIONS, THE LATEST EDITION OF THE CAMPBELL COUNTY SUBDIVISION REGULATIONS AND THE KENTUCKY DEPARTMENT OF HIGHWAYS STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

ALL DISTURBED AREAS ARE TO BE RESTORED (SEEDED AND MULCHED) BY THE CONTRACTOR AND SHALL PROCEED WITH JOB PROGRESSION. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR REMOVING ANY EXCESS MATERIALS AT THE SITE AND MAINTAINING ALL SEEDED AND MULCHED AREAS UNTIL PROJECT COMPLETION AND FINAL INSPECTION PER KDOT SPEC. 212. A RESIDENTIAL YARD SHALL BE RESTORED WITHIN TWENTY-ONE (21) DAYS AFTER CONSTRUCTION.

ALL APPLICABLE RECOMMENDATIONS IN KENTUCKY'S BEST MANAGEMENT PRACTICES MANUAL SHALL BE FOLLOWED BY THE CONTRACTOR, INCLUDING SEEDING OF DISTURBED GROUND.

ALL OSHA, STATE AND LOCAL SAFETY REGULATIONS SHALL BE FOLLOWED DURING CONSTRUCTION.

NO CONSTRUCTION SHALL COMMENCE UNTIL ALL CAMPBELL COUNTY AND SD-1 PERMITS HAVE BEEN ISSUED AS REQUIRED.

THE CONTRACTOR SHALL COORDINATE ALL WORK WITHIN THE PUBLIC RIGHT OF WAY WITH CAMPBELL COUNTY. LOCAL TRAFFIC MUST BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION UNLESS OTHERWISE NOTED IN THESE PLANS.

ADDITIONAL BMP'S AND EROSION AND SEDIMENT CONTROL MEASURES MAY BE REQUIRED AS DEEMED NECESSARY. ALL COST FOR ABOVE SHALL BE INCLUDED IN LUMP SUM BID FOR EROSION CONTROL AND WATER POLLUTION CONTROL.

UNLESS OTHERWISE SPECIFIED, ALL MATERIALS SHALL BE NEW OF PREMIUM QUALITY, PROPER AND SUFFICIENT FOR THE PURPOSE INDICATED. THE CONTRACTOR SHALL FURNISH, UPON REQUEST, SATISFACTORY EVIDENCE AS TO TYPE AND QUALITY OF MATERIALS. WORKMANSHIP RELATED TO INSTALLATION AND CONSTRUCTION OF ITEMS SHALL BE OF PREMIUM QUALITY, MEETING OR EXCEEDING INDUSTRY STANDARDS.

ALL ITEMS AND/OR MATERIAL PROPOSED BY THE CONTRACTOR FOR SUBSTITUTIONS MUST BE APPROVED BY THE ENGINEER AND OWNER IN WRITING AND SHALL BE EQUAL OR SUPERIOR TO THE ITEMS SPECIFIED IN THE CONTRACT DOCUMENTS. IF SAID SUBSTITUTION PROPOSED BY THE CONTRACTOR FOR A SPECIFIED ITEM REQUIRES ENGINEERING REVISIONS, THE TOTAL EXPENSE OF SAID REVISIONS SHALL BE PAID BY THE CONTRACTOR.

THE CONTRACTOR SHALL EXERCISE DUE CARE DURING CONSTRUCTION SO AS NOT TO DESTROY ANY TREES, PLANTS, SHRUBS OR STRUCTURES OUTSIDE OF THE INDICATED WORK LIMITS AND THOSE NOT SPECIFICALLY MARKED FOR REMOVAL OR RELOCATION WITHIN THE WORK LIMITS.

IN SOME INSTANCES, THE CONTRACTOR WILL BE REQUIRED TO EXCAVATE UNDER AND AROUND THE EXISTING UTILITIES. EXTREME CARE SHOULD BE USED NOT TO DAMAGE THE UTILITY DURING THIS OPERATION.

THIS PLAN SHOWS THE APPROXIMATE LOCATION OF UNDERGROUND UTILITIES (GAS, WATER, STORM SEWER, SANITARY SEWER, TELEPHONE, ELECTRIC, ETC.). THE PREPARER DOES NOT GUARANTEE THEIR ACCURACY OR CORRECTNESS. THE INFORMATION PROVIDED SHALL BE FIELD VERIFIED PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE UTILITY AS WELL AS THE SERVICE LATERALS AT ALL TIMES DURING CONSTRUCTION. THE CONTRACTOR SHALL PRACTICE CARE DURING THE GRADING AND TRENCH EXCAVATION AND SHALL BE RESPONSIBLE FOR REPLACING ANY SERVICES THAT ARE DAMAGED DURING CONSTRUCTION AT THEIR EXPENSE.

FORTY-EIGHT (48) HOURS BEFORE EXCAVATION IS TO COMMENCE, THE CONTRACTOR SHALL NOTIFY THE FOLLOWING AGENCIES: THE OHIO UTILITY PROTECTION SERVICE AND ALL OTHER UTILITIES THAT MAY HAVE UNDERGROUND UTILITIES INVOLVING THIS PROJECT.

CONTRACOTR SHALL CONFROM TO THE REQUIRMENTS OF THE KYR10 CONSTRUCTION STORMWATER PERMIT AND FOLLOW THE KY EROSION PREVENTION AND SEDIMENT CONTROL FIELD GUIDE.

HTTPS://EEC.KY.GOV/ENVIRONMENTAL-PROTECTION/WATER/PROTECTION/PAGES/EPSC.ASPX

EARTHWORK NOTES

EARTHWORK SHALL FOLLOW THE GUIDELINES SET FORTH IN THE GEOTECHNICAL REPORT FOR THIS PROJECT AND ITS AMMENDMENTS.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR MEANS, METHODS AND MATERIALS OF CONSTRUCTION. THE DESIGN ENGINEER SHALL NOT BE RESPONSIBLE FOR THE SUITABILITY OF MATERIAL UNDERLYING THE PROJECT SITE. THE CONTRACTOR SHALL PERFORM ANY INVESTIGATIONS OR TESTING NECESSARY TO ADEQUATELY DETERMINE OR ESTIMATE TO THEIR SATISFACTION ANY EXISTING SITE CONDITION WHICH COULD AFFECT HIS BID OR THE PERFORMANCE OF THE PROPOSED IMPROVEMENTS. THIS COULD INCLUDE, BUT NOT BE LIMITED TO, UNSUITABLE OR UNSTABLE SOIL/SUBSURFACE CONDITIONS, ROCK, WATER (PERCHED OR FREE), OBSTRUCTIONS ETC.

IF AGREEDED TO BY THE OWNER, THE CONTRACTOR MAY PROPOSE A LOCATION FOR DISPOSAL OF REMOVED CONCRETE, GRAVEL, AND UNSATISFACTORY SOILS. THIS LOCATION SHALL BE DOCUMENTED WITH RED-LINES TO THE PLANS FOR FUTURE REFERENCE BY A BUILDER. OTHER TYPES OF BUILDING MATERIALS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF AT AN APPRORIATE FACILITY.

THE ENGINEER MAKES NO REPRESENTATION AS TO A BALANCED EARTHWORK SITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE FINAL SITE GRADES AS INDICATED ON THE GRADING PLAN, INCLUDING THE IMPORT OR EXPORT OF MATERIAL IF REQUIRED TO ACHIEVE THE PROPOSED GRADES. ADDITIONALLY, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER REMOVAL AND DISPOSAL OF ALL SURPLUS EARTHWORK, DEBRIS OR WASTE FROM THE SITE. ALL COST FOR THE ABOVE SHALL BE INCLUDED IN THE CONTRACTORS BID PRICE FOR EXCAVATION AND/OR EMBANKMENT.

TOPSOIL IS ASSUMED TO BE AN AVERAGE OF 6" ACROSS THE SITE, CONTOURS REFLECT RE-SPREADING 6" OF TOPSOIL ACROSS THE SITE. CONTRACTOR MAY ADJUST FINAL GRADES IF EXCESS TOPSOIL IS INTENDED TO BE HAULED OFF SITE.

ALL DISTURBED AREAS ARE TO BE RESTORED (SEEDED, MULCHED, AND FERTILIZED) BY THE CONTRACTOR WITHIN 7 DAYS OF REACHING FINAL GRADE. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR REMOVING ANY EXCESS MATERIALS AT THE SITE AND MAINTAINING ALL SEEDED AND MULCHED AREAS UNTIL PROJECT COMPLETION.

EARTHWORK NOTES CONT.

EARTHWORK; EXCAVATION AND COMPACTION SHALL CONFORM TO THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT. TESTING AND PROOF-ROLLING OF SUBGRADE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR WITH REPORTS OF ACTIVITIES SUBMITTED TO THE OWNER.

THE CONTRACTOR SHALL TAKE EXTREME CARE AND UTILIZE BEST MANAGEMENT PRACTICES TO CONTROL SEDIMENT AND EROSION DURING THE PROJECT AND TO PREVENT UNNECESSARY EROSION AND SILTATION AT ALL POINTS OF THE PROJECT. EROSION CONTROL, DISTURBANCE AND RESTORATION PRACTICES SHALL FOLLOW THE OHIO EPA RAINWATER AND LAND DEVELOPMENT MANUAL. TEMPORARY SEEDING AND MULCHING; SLOPE DRAINS, SILT FENCE, INLET PROTECTION, ETC., SHALL BE USED AS NECESSARY OR AS DIRECTED BY THE OWNER/ENGINEER.

DUST SHALL BE KEPT TO A MINIMUM. COST OF EQUIPMENT, WATER, LABOR AND MATERIAL, ETC. REQUIRED TO PERFORM DUST CONTROL SHALL BE INCIDENTAL TO THE OVERALL BID PRICE.

EROSION CONTROL BMP'S SHOWN ON THESE PLANS SHALL BE CONSIDERED A MINIMUM AND THE CONTRACTOR SHALL ADJUST THEM AS NEEDED BASED ON THE STAGE OF CONSTRUCITON AND DISTURBED AREAS.

SINCE THE FUTURE LAYOUT OF THE SITE IS UNKNOWN AT THIS POINT IN TIME ALL EARTHWOK SHALL BE TESTED TO ACHIVE 98% MAX COMPACTION BASED ON MODIFIED PROCTOR TESTING.

THE EXISTING EASTERN POND IS TO BE DRAINED, HAVE THE MUCK AND UNSATISFACOTRY MATERIALS REMOVED TO SOLID GROUND AND COMPACTED TO THE INDICATED GRADES. UNSATISFACOTRY MATERIALS SHALL BE HAULED OFF OR, AT THE OWNERS APPROVAL STOCKPILED ON SITE TO BE REMOVED LATER. IF SUITABLE MATERIAL IS NEEDED A TOPSOIL BURY/BORROW PIT MAY BE UTILIZED PROVIDED THAT SUCH LOCATIONS ARE APPROVED AND DOCUMENTED PRIOR TO CONSTRUCTION.

PAY ITEM NOTES

ITEM 202 - CLEARING AND GRUBBING
THIS ITEM SHALL INCLUDE CLEARING, STUMP REMOVAL, GRUBBING, REMOVAL AND DISPOSAL OF ALL VEGETATION INDICATED TO BE REMOVED WITHIN THE GRADING LIMITS. TREES AND WOODY VEGETATION MAY BE SHREDDED AND RE-USED FOR BRUSH BERMS, MULCH FILTER BERM OR EROSION CONTROL FILTER SOCK AND UTILIZED FOR PERMIETER CONTROLS OR SLOPE PROTECTION.

ITEM 204 - TOPSOIL REMOVAL
THIS ITEM SHALL INCLUDE EXCAVATION AND STOCKPILING OF FRIABLE TOPSOIL ON THE SITE.

ITEM 204 - EARTHWORK
THIS ITEM SHALL INCLUDE EXCAVATION, EMBANKMENT, TESTING, AND SUBGRADE COMPACTION TO ACHIEVE THE GRADES AS INDICATED ON THE SITE PLAN. CONTRACTOR SHALL HAUL OFF EXCESS MATERIAL, OR IMPORT ADDITIONAL MATERIAL OR UTILIZE A BURY/BORROW PIT WITH THE TOPSOIL TO ACHIEVE THE GRADES AS INDICATED.

ITEM 204 - TOPSOIL RESPREAD
THIS ITEM SHALL INCLUDE RE-DISTRIBUTION OF ALL OR A PORTION OF THE PREVIOUSLY STOCKPILED TOPSOIL ACROSS THE SITE TO A UNIFORM DEPTH. THE TOPSOIL SHALL BE DISKED TO AERATE, ROCK-HOUNDED TO REMOVE STONES GREATER THAN 1/2 INCH IN DIAMETER.

ITEM 212/213 - INTIAL EROSION CONTROL
THIS ITEM SHALL INCLUDE THE INITIAL EROSION CONTROL ITEMS AS INDICATED IN THE PLANS INSTALLED AT THE PERIMETER OF THE GRADING AND INCLUDES CONSTRUCTION ENTRANCE(S), SILT FENCE, BRUSH BERMS, MUCH FILTER BERM, EROSION CONTROL FILTER SOCK , SEDIMENT BASINS AND SIMILAR MATERIALS INITIALLY INSTALLED FOR THE PROJECT.

ITEM 212/213 - EROSION CONTROL MAINTENANCE AND CORRECTIONS
THIS ITEM SHALL INCLUDE ONGOING MAINTENANCE AND REPAIRS TO EROSION CONTROL ITEMS AS NEEDED THROUGHOUT CONSTRUCTION TO CONFORM TO KRS CHAPTERS 220 AND 224 OF THE STATE WATER POLLUTION CONTROL LAWS AND SD1 REQUIREMENTS. THIS INCLUDES ADDITIONAL SILT FENCE, CLEANING OF SEDIMENT BASINS, REPAIRS TO CONSTRUCTION ENTRANCES, TEMPORARY SEEDING OF AREAS, REPAIRS TO DITCH CHECKS, STREET SWEEPING AND SIMILAR ACTIVITES AS INSTRUCTED BY WEEKLY INSPECTION REPORTS.

ITEM 213 - EROSION AND SEDIMENT CONTROL INSPECTIONS
PROVIDE PERSONNEL TO CONDUCT WEEKLY AND AFTER RAIN EVENT EROSION INSPECTIONS FOR THE DURATION OF THE PROJECT AND WRITE REPORTS. PERSONNEL SHALL HAVE SUCCESSFULLY COMPLETED THE KEPSC-R1 QUALIFICATION TRAINING AND TRAINING COURSE. THIS ITEM SHALL INCLUDE UPDATING THE SWPPP WITH INSPECTIONS, DEFICIENCIES, CORRECTIVE ACTIONS AND REVISIONS TO THE SWPPP.

ITEM 710 - OUTLET CONTROL STRUCTURE
THIS ITEM SHALL CONSISTS OF THE OUTLET CONTROL STRUCTURE AS INDICATED ON THE PLANS, TEMPORARY SKIMMER PIPE, PLUGGED 12" LOWER OPENING. AFTER THE SITE IS STABILIZED, AND THE SEDIMENT BASIN MUCKED OUT, THE SKIMMER PIPE SHALL BE REMOVED AND IT'S OPENING GROUTED IN AND THE LOWER 12" OPENING SHALL BE UNPLUGGED. POST STABILIZATION ITEMS SHALL BE INCLUDED IN THE COST OF THE OUTLET CONTROL STRUCTURE.

ITEM 700 - RE-ROUTE AND DAYLIGHT OF OFF-SITE STORM PIPE
THIS ITEM SHALL CONSIST OF INTERCEPTING A 12" PVC LINES FROM THE ADJACENT PROPERTY BY PLACING A CB 2-2 ON TOP OF THE EXISTING PIPE AND DAYLIGHTING THE PIPE WITH A SLOPED AND FLARED HEADWALL INTO THE ROADSIDE DITCH ALONG BOB HUBER WAY. LENGTH OF PIPE SHALL BE FIELD MEASURED AND VERIFIED.

SYMBOL LEGEND

- EXISTING GAS LINE
- EXISTING GAS SERVICE
- EXISTING ELECTRIC (UNDERGROUND / OVERHEAD)
- EXISTING CABLE (UNDERGROUND / OVERHEAD)
- EXISTING TELEPHONE (UNDERGROUND / OVERHEAD)
- EXISTING WATER MAIN
- EXISTING WATER SERVICE
- EXISTING STORM SEWER
- EXISTING ROOF DRAIN
- EXISTING SANITARY SEWER
- EXISTING SANITARY FORCE MAIN
- EXISTING FIBER OPTICS
- EXISTING FENCE
- EXISTING CONTOURS (MAJOR)
- EXISTING CONTOURS (MINOR)
- EXISTING RIGHT OF WAY
- EXISTING PROPERTY LINE
- EXISTING EASEMENT
- EXISTING GUARDRAIL
- EXISTING TREE LINE
- PROPOSED GAS LINE
- PROPOSED GAS SERVICE
- EXISTING ELECTRIC (UNDERGROUND / OVERHEAD)
- PROPOSED CABLE (UNDERGROUND / OVERHEAD)
- PROPOSED TELEPHONE (UNDERGROUND / OVERHEAD)
- PROPOSED WATER MAIN
- PROPOSED WATER SERVICE
- PROPOSED STORM SEWER
- PROPOSED UNDERDRAIN
- PROPOSED UNDERDRAIN / DOWNSPOUT COLLECTOR COMBO
- PROPOSED SANITARY SEWER
- PROPOSED SANITARY FORCE MAIN
- PROPOSED FIBER OPTICS
- PROPOSED FENCE
- PROPOSED CONTOURS (MAJOR)
- PROPOSED CONTOURS (MINOR)
- PROPOSED RIGHT OF WAY
- PROPOSED PROPERTY LINE
- PROPOSED EASEMENT
- PROPOSED GUARDRAIL
- PROPOSED TREE LINE / CLEARING LIMITS
- PROPOSED DISTURBED LIMITS

- EXISTING FLAGPOLE
- EXISTING MAILBOX
- EXISTING SIGN
- EXISTING CABLE PEDESTAL
- EXISTING ELECTRIC PEDESTAL
- EXISTING PULL BOX
- EXISTING GROUND LIGHT
- EXISTING LIGHT POLE
- EXISTING ELECTRIC METER
- EXISTING ELECTRIC MANHOLE
- EXISTING GAS METER
- EXISTING GAS VALVE
- EXISTING GAS BOX
- EXISTING UTILITY POLE
- EXISTING GUY WIRE / ANCHOR
- EXISTING SANITARY MANHOLE
- EXISTING SANITARY CLEANOUT
- EXISTING STORM MANHOLE
- EXISTING SINGLE / DOUBLE CURB INLET
- EXISTING CATCH BASIN
- EXISTING STORM CLEANOUT
- EXISTING TELEPHONE MANHOLE
- EXISTING TELEPHONE PEDESTAL
- EXISTING FIRE HYDRANT
- EXISTING WATER METER
- EXISTING WATER VALVE
- EXISTING BUSHES / TREES

- PROPOSED FLAGPOLE
- PROPOSED MAILBOX
- PROPOSED SIGN
- PROPOSED CABLE PEDESTAL
- PROPOSED ELECTRIC PEDESTAL
- PROPOSED PULL BOX
- PROPOSED GROUND LIGHT
- PROPOSED LIGHT POLE
- PROPOSED ELECTRIC METER
- PROPOSED ELECTRIC MANHOLE
- PROPOSED GAS METER
- PROPOSED GAS VALVE
- PROPOSED GAS BOX
- PROPOSED UTILITY POLE
- PROPOSED GUY WIRE / ANCHOR
- PROPOSED SANITARY MANHOLE
- PROPOSED SANITARY CLEANOUT
- PROPOSED STORM MANHOLE
- PROPOSED SINGLE / DOUBLE CURB INLET
- PROPOSED CATCH BASIN
- PROPOSED STORM CLEANOUT
- PROPOSED TELEPHONE MANHOLE
- PROPOSED TELEPHONE PEDESTAL
- PROPOSED FIRE HYDRANT
- PROPOSED WATER METER
- PROPOSED WATER VALVE
- REMOVE EXISTING BUSH / TREE

COMMONWEALTH OF KENTUCKY
MORK J. LACHNIET
36287
LICENSED PROFESSIONAL ENGINEER
3-13-26

verdantas

NO	REVISION	DATE

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CAMPBELL COUNTY
SOUTH INDUSTRIAL PARK
BUD POGUE WAY

GENERAL NOTES

PROJECT NO.
42243
DISCIPLINE
CIVIL
SHEET NAME
C02
SHEET 2 OF 9

NOTES:

1) SUBSOILING SHALL OCCUR WHEN SOIL MOISTURE IS LOW ENOUGH TO ALLOW THE SOIL TO CRACK OR FRACTURE. SUBSOILING IS NOT PERMITTED ON SLIP-PRONE AREAS.
2) THE SITE SHALL BE GRADED TO PERMIT THE USE OF CONVENTIONAL EQUIPMENT FOR SEEDBED PREPARATION AND SEEDING.
3) TOPSOIL SHALL BE APPLIED WHERE NEEDED TO ESTABLISH VEGETATION.
4) THE SEEDBED SHALL BE PREPARED BY APPLYING AGRICULTURAL GROUND LIMESTONE OR FERTILIZER AS RECOMMENDED BY A SOIL TEST. IN LIEU OF A SOIL TEST, APPLY LIME AT 2 TONS/AC. OR FERTILIZER AT 500 LB/AC. OF 10-10-10 OR 12-12-12 ANALYSIS. LIME AND FERTILIZER SHALL BE WORKED INTO THE SOIL TO A DEPTH OF 3".
5) APPLY SEED UNIFORMLY ON FIRM, MOIST SEED BED.
6) SEEDING SHOULD BE APPLIED FROM MARCH 1 TO MAY 31 OR AUGUST 1 TO SEPTEMBER 30. IF SEEDING OCCURS OUTSIDE OF THESE DATES, ADDITIONAL MULCH AND IRRIGATION MAY BE REQUIRED TO ENSURE A MINIMUM OF 80% GERMINATION. TILLAGE FOR SEEDBED PREPARATION SHALL OCCUR WHEN THE SOIL IS DRY ENOUGH TO CRUMBLE AND NOT FORM RIBBONS WHEN COMPRESSED BY HAND.
7) SEEDING SHOULD NOT BE APPLIED FROM OCTOBER 1 TO NOVEMBER 20 BECAUSE SEEDS MAY GERMINATE, BUT WILL NOT SURVIVE THE WINTER. USE THE FOLLOWING METHODS FOR DORMANT SEEDING:
   - FROM OCTOBER 1 TO NOVEMBER 20, INCREASE THE SEEDING RATE BY 50%, PREPARE THE SEED BED, ADD LIME AND ANCHOR.
   - FROM NOVEMBER 20 TO MARCH 15, ONLY IF SOIL CONDITIONS PERMIT, INCREASE THE SEEDING RATE BY 50%, PREPARE THE SEED BED, ADD LIME AND FERTILIZER, APPLY THE SEED MIXTURE, MULCH AND ANCHOR.
8) APPLY MULCH MATERIAL IMMEDIATELY AFTER SEEDING.
9) PERMANENT SEEDING SHALL INCLUDE IRRIGATION TO ESTABLISH VEGETATION DURING DRY OR HOT WEATHER OR ON ADVERSE SITE CONDITIONS AS NEEDED. AVOID EXCESSIVE IRRIGATION AND MONITOR TO PREVENT EROSION AND DAMAGE FROM RUNOFF.
10) PERMANENT SEEDING SHALL NOT BE CONSIDERED ESTABLISHED FOR AT LEAST 1 FULL YEAR FROM THE TIME OF PLANTING. DURING THIS PERIOD, INSPECT FOR SOIL EROSION OR PLANT LOSS AND REPAIR BARE OR SPARSE AREAS, FILL GULLIES, RE-FERTILIZE, RE-SEED OR RE-MULCH AS NEEDED.
11) A MINIMUM OF 70% GROWTH DENSITY, BASED ON A VISUAL INSPECTION, MUST EXIST FOR AN ADEQUATE PERMANENT VEGETATIVE PLANTING.

PERMANENT SEEDING FERTILIZATION AND MOWING CHART

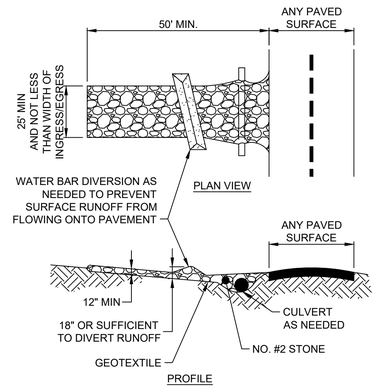
MIXTURE	FORMULA	LB/ AC.	TIME	MOW
CREEPING RED FESCUE DOMESTIC RYEGRASS KENTUCKY BLUEGRASS	10-10-10	500	FALL, YEARLY, OR AS NEEDED	≥3"
TALL FESCUE	10-10-10	500		≥4"
TURF-TYPE FESCUE	10-10-10	500		
CROWN VETCH FESCUE	0-20-20	400	SPRING, AND YEARLY AFTER ESTABLISHED	DO NOT MOW
FLAT PEA FESCUE	0-20-20	400		

PERMANENT SEEDING SPECIES SELECTION

SEED MIX	SEED RATE LB/AC.	NOTES:
GENERAL USE		
CREEPING RED FESCUE DOMESTIC RYEGRASS KENTUCKY BLUEGRASS	20 - 40 10 - 20 20 - 40	FOR CLOSE MOWING AND WATERWAYS WITH ≤2.0 FT./SEC. VELOCITY
TALL FESCUE	40 - 50	
TURF-TYPE FESCUE	90	
STEEP BANKS OR CUT SLOPES		
TALL FESCUE	40 - 50	
CROWN VETCH TALL FESCUE	10 - 20 20 - 30	DO NOT SEED LATER THAN AUGUST
FLAT PEA TALL FESCUE	20 - 25 20 - 30	DO NOT SEED LATER THAN AUGUST
ROAD DITCHES AND SWALES		
TALL FESCUE	40 - 50	
TURF-TYPE FESCUE KENTUCKY BLUEGRASS	90 5	
LAWN		
KENTUCKY BLUEGRASS PERENNIAL RYEGRASS	100 - 120 100 - 120	
KENTUCKY BLUEGRASS CREEPING RED FESCUE	100 - 120 100 - 120	FOR SHADED AREAS

PERMANENT SEEDING DETAIL

SCALE: NONE



NOTES:

1. PLACE GEOTEXTILE OVER THE ENTIRE AREA PRIOR TO PLACING STONE MEETING THE MIN. SPECIFICATIONS:
   - A. TENSILE STRENGTH = 200 LBS.
   - B. PUNCTURE STRENGTH = 80 PSI
   - C. TEAR STRENGTH = 50 LBS.
   - D. BURST STRENGTH = 320 PSI
   - E. ELONGATION = 20%
   - F. EQUIVALENT OPENING SIZE ≤ 0.6 MM
   - G. PERMITTIVITY = 0.001 CM/SEC
2. APPLY ADDITIONAL STONE AS CONDITIONS DEMAND AND REPLENISH STONE WHEN THE DEPTH IS LESS THAN 6". REMOVE AND REPLACE IF STONES BECOMES MUD-LADEN.
3. IMMEDIATELY REMOVE MUD DROPPED, WASHED OR TRACKED ONTO ROADS OR ANY SURFACE WHERE RUNOFF IS NOT CHECKED BY SEDIMENT CONTROLS BY SCRAPING OR SWEEPING.
4. CONSTRUCTION ENTRANCES SHALL NOT BE RELIED UPON TO REMOVE MUD FROM VEHICLES OR TO PREVENT OFF-SITE TRACKING. VEHICLES THAT ENTER AND LEAVE THE CONSTRUCTION SITE SHALL BE RESTRICTED FROM MUDDY AREAS.

CONSTRUCTION ENTRANCE

SCALE: NONE

NOTES:

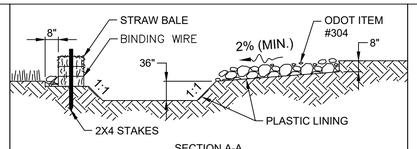
1) THE SEED BED SHALL BE PULVERIZED AND LOOSE TO ENSURE THE SUCCESS OF ESTABLISHING VEGETATION.
2) SOIL AMENDMENTS MAY BE REQUIRED TO ESTABLISH ADEQUATE VEGETATION. PERFORM SOIL TESTS ON THE SITE TO PREDICT THE NEED FOR LIME AND FERTILIZER.
3) APPLY SEED UNIFORMLY. COVER BROADCASTED SEED BY RAKING OR DRAGGING AND THEN LIGHTLY TAMPING INTO PLACE.
4) APPLY MULCHING IMMEDIATELY AFTER SEEDING.
5) SEEDING SHALL BE INSPECTED FOR BARE SPOTS AND WASHOUTS, AND RESEEDED AS NECESSARY.

TEMPORARY SEEDING SPECIES SELECTION

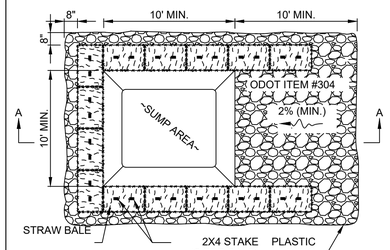
DATES	SPECIES	LB/1,000 SF	LB/AC.
MARCH 1 TO AUGUST 15	OATS TALL FESCUE PERENNIAL RYEGRASS	3 1 1	128 40 40
	PERENNIAL RYEGRASS TALL FESCUE	2 1	40 40
AUGUST 16 TO NOVEMBER 1	RYE TALL FESCUE PERENNIAL RYEGRASS	3 1 1	112 40 40
	WHEAT TALL FESCUE PERENNIAL RYEGRASS	3 1 1	120 40 40
	PERENNIAL RYEGRASS TALL FESCUE	2 1	40 40
NOVEMBER 1 TO SPRING	ONLY MULCH OR DORMANT SEEDING.		

TEMPORARY SEEDING DETAIL

SCALE: NONE



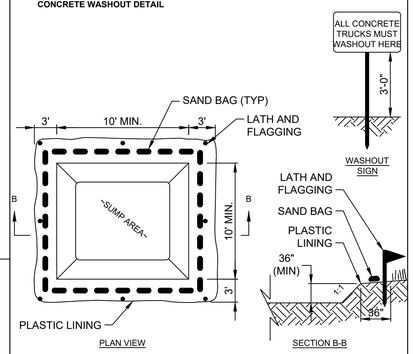
SECTION A-A



PLAN VIEW

SINGLE LOCATION FOR ENTIRE PROJECT

CONCRETE WASHOUT DETAIL

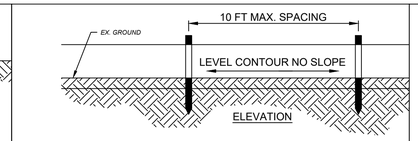


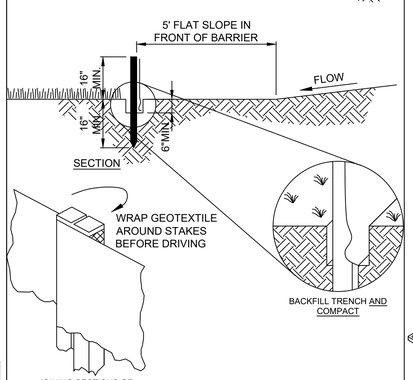
PLAN VIEW SECTION B-B

TEMPORARY LOCATION FOR MULTIPLE PHASE PROJECT

NOTES:

1. WASHOUT PIT SHALL BE LOCATED 100' MINIMUM FROM INLETS, STREAMS, WETLANDS AND ANY OTHER SURFACE WATERS.
2. ALL EXCESS CONCRETE AND CONCRETE WASHOUT, INCLUDING FROM HAND MIXERS AND LIGHT EQUIPMENT, SHALL BE DISPOSED OF IN THE CONCRETE WASHOUT AREA. DISPOSAL OF EXCESS CONCRETE OR CONCRETE WASHOUT ON THE GROUND, OR IN STORM DRAINS, DITCHES OR WATER BODIES, IS PROHIBITED.
3. CONCRETE WASHOUT AREA SHALL BE SUFFICIENT SIZE TO CONTAIN CONCRETE WASTE GENERATED. FOR LARGER SITES, MULTIPLE CONCRETE WASHOUT AREAS MAY BE REQUIRED.
4. IF CONCRETE WASHOUT AREA IS LOCATED AWAY FROM A PAVED SURFACE, CONSTRUCT A GRAVEL ACCESS ROUTE EQUAL IN COMPOSITION TO THE CONSTRUCTION ENTRANCE.
5. PLASTIC LINING SHALL BE DOUBLE-LINED, CONTINUOUS 10-ML POLYETHYLENE SHEETING FREE OF HOLES, TEARS OR OTHER DEFECTS, AND INSTALLED ON A SMOOTH, LEVEL SURFACE, FREE OF ROCKS OR DEBRIS.
6. CONCRETE WASHOUT SIGNAGE SHALL BE CLEARLY VISIBLE AND LOCATED WITHIN 30 FEET OF EACH WASHOUT AREA.
7. CONCRETE WASHOUT AREAS SHALL BE COVERED DURING INCLEMENT WEATHER TO PREVENT OVERFLOWS.
8. PREFABRICATED, PORTABLE AND RE-USABLE CONCRETE WASHOUT CONTAINERS ARE ACCEPTABLE, BUT MUST BE SPECIFICALLY DESIGNED FOR CONCRETE WASHOUT USE.
9. CONCRETE WASHOUT AREA SHALL BE INSPECTED DAILY TO CHECK FOR DAMAGE AND TO DETERMINE IF IT NEEDS CLEANED OR REPLACED. ANY DAMAGE TO THE SIDEWALLS OR POLYETHYLENE SHEETING SHALL BE REPAIRED IMMEDIATELY. THE CONCRETE WASHOUT AREA SHALL BE CLEANED OR REPLACED WHEN IT IS 75% FULL. THE POLYETHYLENE SHEETING SHALL BE REPLACED AFTER EACH CLEANING.
10. SAW CUT CONCRETE, RESIDUE FROM SAW CUT, AND GRINDINGS SHALL BE DISPOSED OF IN THE WASHOUT PIT.





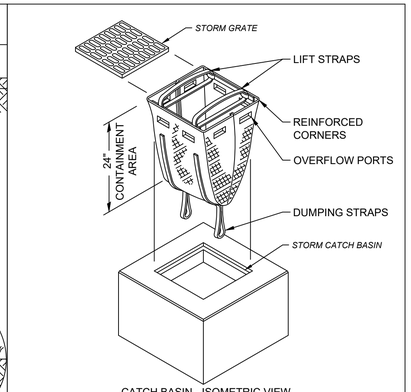
NOTES:

1. PRESERVE VEGETATION FOR 5 FEET, OR AS MUCH AS POSSIBLE, UPSLOPE FROM THE SILT FENCE. IF VEGETATION IS REMOVED, IT SHALL BE RE-ESTABLISHED WITHIN 7 DAYS FROM SILT FENCE INSTALLATION.
2. SILT FENCE SHALL ALLOW RUNOFF TO PASS ONLY AS DIFFUSE FLOW THROUGH THE GEOTEXTILE. PERFORM ONE OF THE FOLLOWING IF RUNOFF OVERTOPS THE SILT FENCE, FLOWS UNDER OR AROUND THE ENDS, OR IN ANY OTHER WAY BECOMES A CONCENTRATED FLOW:
   - CHANGE THE LAYOUT OF THE SILT FENCE.
   - REMOVE ACCUMULATED SEDIMENT.
   - INSTALL OTHER PRACTICES.

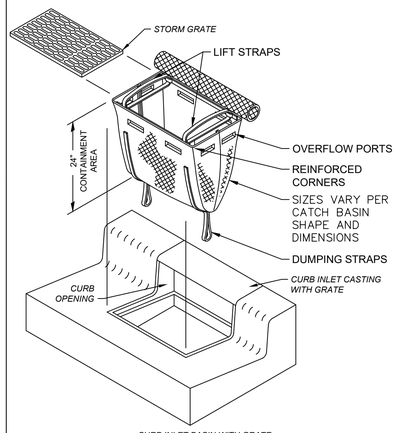
FABRIC PROPERTIES	VALUES	TEST METHOD
GRAB TENSILE STRENGTH	90 LB. MIN	ASTM D-1682
MULLEN BURST STRENGTH	190 PSI MIN	ASTM D-3786
SLURRY FLOW RATE	0.3 GAL./MIN./S.F. MAX.	
EQUIVALENT OPENING SIZE	40-80	US STD. SIEVE CW-02215
ULTRAVIOLET RADIATION STABILITY	90% MIN	ASTM-G-26

SILT FENCE

SCALE: NONE



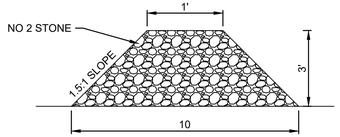
CATCH BASIN - ISOMETRIC VIEW



CURB INLET BASIN WITH GRATE

STORM DRAIN INLET PROTECTION DETAIL

SCALE: NONE



ROCK FILTER BERM

STATE OF KENTUCKY
MORK J. LACHNIET
36287
LICENSED PROFESSIONAL ENGINEER
3-12-26
verdantas

NO	REVISION	DATE

ISSUED FOR: PERMIT
ISSUE DATE: 3/12/26
SCALE: AS SHOWN
DESIGNED BY: AJAC
DRAWN BY: AJAC
CHECKED BY: MLAC

CAMPBELL COUNTY
SOUTH INDUSTRIAL PARK
BUD POGUE WAY

DETAILS

PROJECT NO. 42243
DISCIPLINE CIVIL
SHEET NAME C03
SHEET 3 OF 9

POND 1/ WETLAND 1

S17°39'54"E 1829.16'

N72°20'06"E 284.58'

S17°39'54"E 314.14'

N72°57'27"E 663.22'

STREAM B–1

STREAM B

WETLAND 3

WETLAND 4

WETLAND 5

STREAM C–2

STREAM C–1

STREAM C

N37°36'15"W 150.74'

N23°45'49"W 457.65'

N23°45'50"W 199.33'

N0°04'06"E 210.83'

N20°54'08"W 492.13'

S69°14'32"W 213.25'

N20°52'42"W 241.61'

S76°13'07"W 402.99'

STREAM A

STREAM A–3

STREAM A–4

WETLAND 6

STREAM A–2

STREAM A–1

S73°52'26"W 250.02'

N15°26'42"W 399.95'

N73°45'47"E 535.26'

20' WATER EASEMENT

15' EASEMENT

LIMITS OF FIELD TOPO

48" CMP
INV=718.81
WETLAND 2

12" PVC
INV=719.66

18" HDPE

STM MH
T/GR=723.17
24" CMP INV=717.62
48" CMP INV=716.62

18" HDPE
INV=725.01

18" HDPE
INV=725.278

12" PVC CLEANOUT

12" PVC

BUD POGUE WAY

24" CMP
INV=718.07

SAN MH
T/GR=727.45
12" INV=713.69

SAN MH
T/GR=728.46
12" INV (N)=715.12

36" CMP
INV=708.52

48" CMP
INV=714.20

U.S. 27

48" CMP
INV=712.47

SAN MH
T/GR=722.14
12" INV (E)=709.56

80 ' 0 ' 80 '
SCALE: 1" = 80 '

STATE OF KENTUCKY
MORK J. LACHNIET
36287
LICENSED PROFESSIONAL ENGINEER
3-12-26

verdantas

NO	REVISION	DATE

ISSUED FOR:	PERMIT
ISSUE DATE:	3/12/26
SCALE:	AS SHOWN
DESIGNED BY:	AJAC
DRAWN BY:	AJAC
CHECKED BY:	MLAC

CAMPBELL COUNTY
SOUTH INDUSTRIAL PARK

BUD POGUE WAY

EXISTING CONDITIONS

PROJECT NO.	
42243	
DISCIPLINE	
CIVIL	
SHEET NAME	
C04	
SHEET	OF
4	9

Z:\PROJECT FILES\CA-DZ\CAMPBELL COUNTY\42243 - CAMPBELL COUNTY S CC INDUSTRIAL PARK\CAD\SHEETS AND PLANS\42243 - MASS GRADING PLAN.DWG - EXCON - 3/12/2026 11:50:16 AM - MORK LACHNIET

SEDIMENT TRAP/BASIN CALCULATIONS							
NAME	DISTURBED AREA (AC)	SEDIMENT STORAGE REQ. (CF)	PR STORAGE (CF)	STORAGE ELEV	10YR INFLOW (CFS)	10YR ELEV	10YR OUTFLOW (CFS)
TOTAL SITE	31.20						
NORTH SEDIMENT BASIN	7.24	26,064	27,077	729.60	29.83	730.85	3.46
SOUTH SEDIMENT BASIN	17.72	64,111	65,174	724.15	107.50	726.09	30.28

PROPERTY LINE
S17°39'54"E 1829.16'
SILT FENCE
N72°20'06"E 284.58'
PROPERTY LINE
S17°39'54"E 314.14'
DRAIN LAKE AND REMOVE UNSUITABLE MATERIAL PRIOR TO PLACING AND COMPACTING FILL
STREAM B-1
DITCH CHECK
STREAM B
DITCH CHECK
DITCH CHECK
SILT FENCE
DITCH CHECK
STREAM A-3
STREAM A-4
S73°52'26"W 250.02'
PROPERTY LINE
N15°26'42"W 399.95'
N72°57'27"E 663.22'
SILT FENCE
STREAM C-2
STREAM C-1
NORTH SEDIMENT BASIN
DITCH CHECK
SILT FENCE
STREAM C
PROPERTY LINE
N23°45'50"W 199.33'
N23°45'49"W 457.65'
N37°36'15"W 150.74'
SILT FENCE
ROCK CHANNEL PROTECITON D50=5" 3'x8'
36" CMP INV=708.52
U.S. 27
N0°04'06"E 210.83'
SOUTH SEDIMENT BASIN
DITCH CHECK
DITCH CHECK
S69°14'32"W 213.25'
N20°54'08"W 492.13'
PROPERTY LINE
ROCK CHANNEL PROTECTION D50=5" 3'x8'
SILT FENCE
48" CMP INV=714.20
BUD POGUE WAY
N20°52'42"W 241.61'
CONSTRUCTION ENTRANCE
48" CMP INV=718.81 WETLAND 2
12" PVC INV=719.64
STM MH T/GR=723.17 24" CMP INV=717.62 48" CMP INV=716.62
18" HPDE
18" HPDE INV=725.01
18" HPDE INV=725.278
DAYLIGHT 12" PVC PIPE
BOB HUBER DRIVE
12" PVC CLEANOUT
24" CMP INV=718.07
SAN MH T/GR=727.45 12" INV=713.69
SAN MH T/GR=728.46 12" INV (N)=715.12
S76°13'07"W 402.99'
STREAM A
STREAM A-2
STREAM A-1
PROPERTY LINE
N73°45'47"E 535.26'
CONSTRUCTION ENTRANCE
48" CMP INV=712.47
SAN MH T/GR=722.14 12" INV (E)=709.56

80' 0' 80'
SCALE: 1" = 80'

MORK J. LACHNIET
36287
LICENSED PROFESSIONAL ENGINEER
STATE OF KENTUCKY
3-12-26

verdantas

NO	REVISION	DATE

ISSUED FOR:	PERMIT
ISSUE DATE:	3/12/26
SCALE:	AS SHOWN
DESIGNED BY:	AJAC
DRAWN BY:	AJAC
CHECKED BY:	MLAC

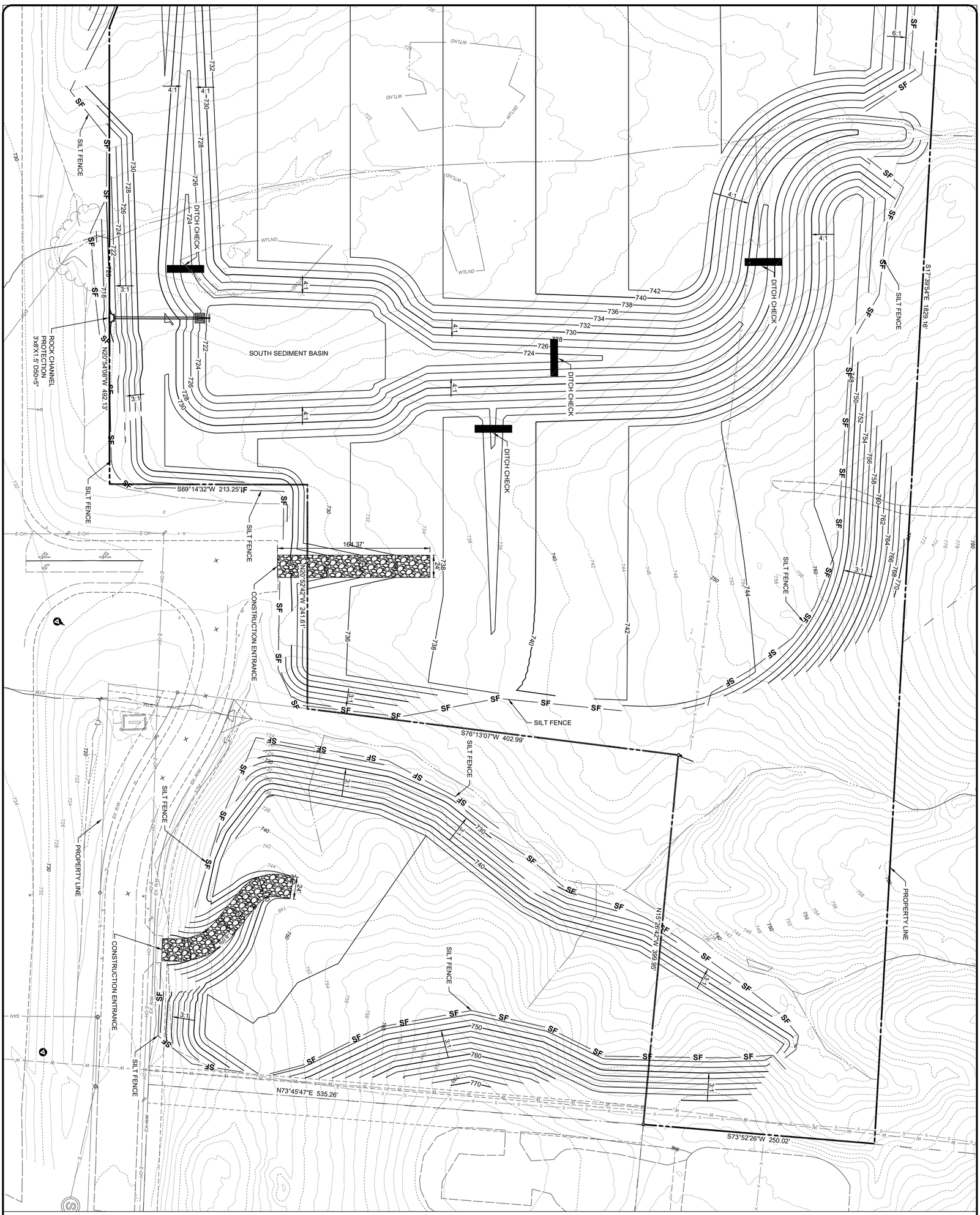
CAMPBELL COUNTY SOUTH INDUSTRIAL PARK

BUD POGUE WAY

OVERALL SITE

PROJECT NO.	
42243	
DISCIPLINE	
CIVIL	
SHEET NAME	
C05	
SHEET	OF
5	9

Z:\PROJECT FILES\CA-DZ\CAMPBELLCOUNTY\42243 - CAMPBELL COUNTY S CC INDUSTRIAL PARK\CAD\SHEETS AND PLANS\42243 - MASS GRADING PLAN.DWG - OVERALL - 3/12/2026 11:50:16 AM - MORK LACHNIET



SCALE: 1" = 50'

CAMPBELL COUNTY
SOUTH INDUSTRIAL PARK

BUD POGUE WAY

SOUTH SITE

ISSUED FOR:	PERMIT
ISSUE DATE:	3/12/26
SCALE:	AS SHOWN
DESIGNED BY:	AJAC
DRAWN BY:	AJAC
CHECKED BY:	MLAC

NO	REVISION	DATE

verdantas

MORK J. LACHNIET 36287 REGISTERED PROFESSIONAL ENGINEER STATE OF WYOMING

PROJECT NO. 42243
DISCIPLINE CIVIL
SHEET NAME C06
SHEET 6 OF 9

SCALE: 1" = 50'

CAMPBELL COUNTY
SOUTH INDUSTRIAL PARK

BUD POGUE WAY

NORTH SITE

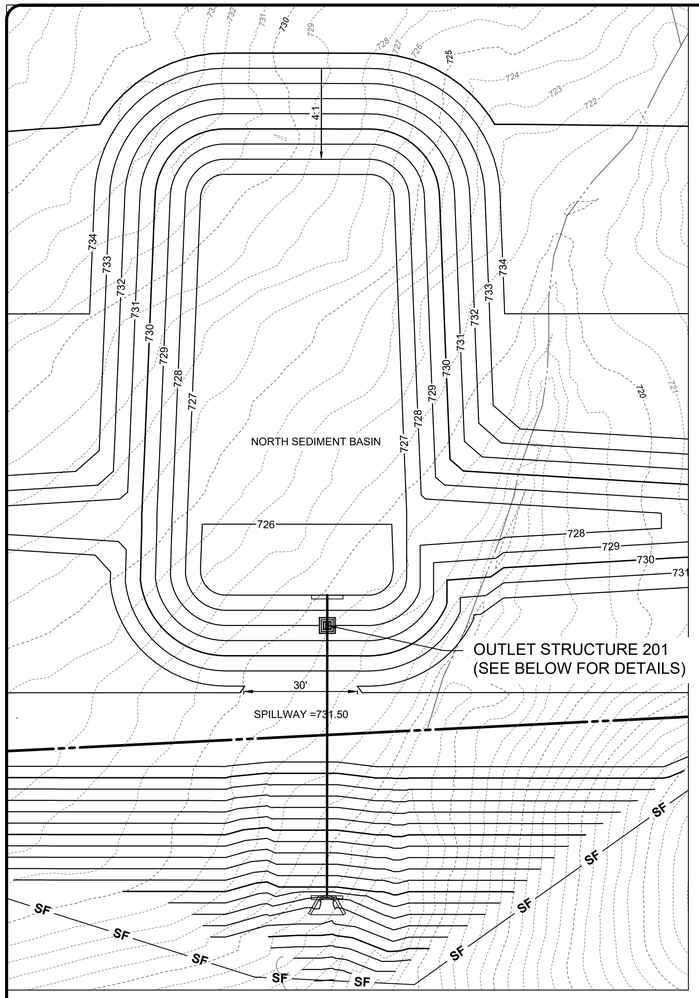
ISSUED FOR:	PERMIT
ISSUE DATE:	3/12/26
SCALE:	AS SHOWN
DESIGNED BY:	AJAC
DRAWN BY:	AJAC
CHECKED BY:	MLAC

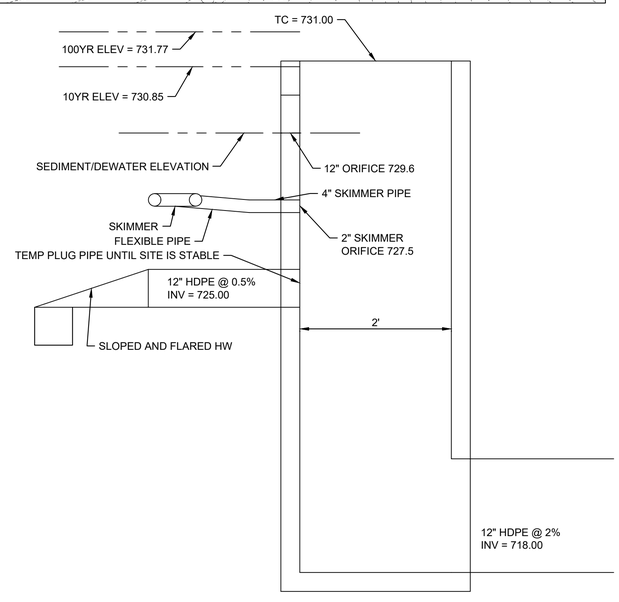
NO	REVISION	DATE

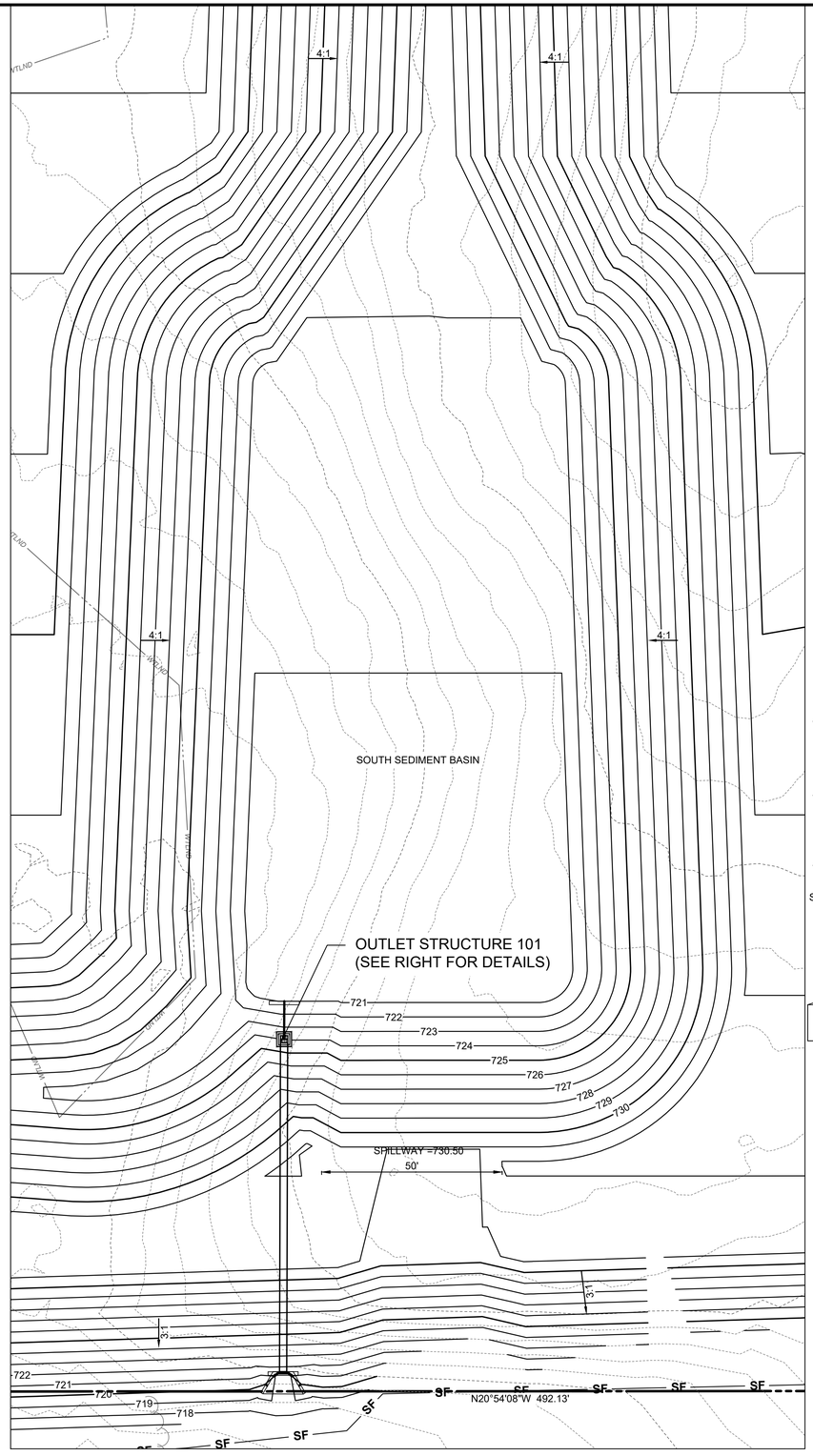
verdantas

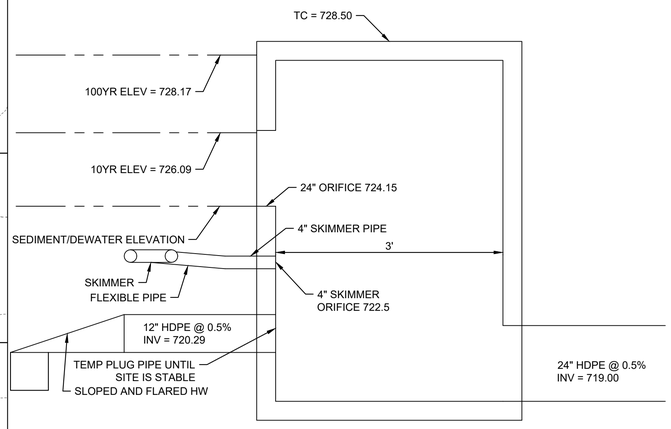
STATE OF WYOMING
MORK J. LACHNIET
36287
REGISTERED PROFESSIONAL ENGINEER
APPLIED

PROJECT NO. 42243
DISCIPLINE CIVIL
SHEET NAME C07
SHEET 7 OF 9









50 ' 0 ' 50 '
SCALE: 1" = 50 '

STATE OF KENTUCKY
MORK J. LACHNIET
36287
LICENSED PROFESSIONAL ENGINEER
3-12-26

verdantas

NO	REVISION	DATE

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CAMPBELL COUNTY SOUTH INDUSTRIAL PARK

BUD POGUE WAY

SEDIMENT BASIN DETAILS

PROJECT NO.	42243
DISCIPLINE	CIVIL
SHEET NAME	C08
SHEET	8
OF	9

BASIN 1

BASIN 2

MORK J. LACHNIET
36287
LICENSED PROFESSIONAL ENGINEER
STATE OF KENTUCKY
3-12-26

verdantas

NO	REVISION	DATE

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CAMPBELL COUNTY
SOUTH INDUSTRIAL PARK

BUD POGUE WAY

STORM PROFILES

PROJECT NO.
42243
DISCIPLINE
CIVIL
SHEET NAME
C09
SHEET 9 OF 9