WV POULTRY PARTNERS 1, LLC. - POULTRY OPERATION
SITE DESIGN, EROSION & SEDIMENT CONTROL PLAN

EROSION AND SEDIMENT CONTROL NARRATIVE

1. PROJECT DESCRIPTION: THE PROJECT IS LOCATED NEAR OLD FIELDS, WV OFF OF COUTNY ROUTE 2, OLD FIELDS ROAD, ON THE DRAINAGE OF ANDERSON RUN, IN HARDY COUNTY. THE PURPOSE OF THIS PROJECT IS TO INSTALL EROSION AND SEDIMENT CONTROL MEASURES, IN PREPARATION FOR THE CONSTRUCTION OF FOUR POULTRY HOUSE PADS FOR TWENTY 704' X 63' POULTRY HOUSES AND IN THE FUTURE THREE 40' X 200' COVERED LITTER SHEDS, AND THREE ACCESS ROAD. SIX SEDIMENT BASINS AND INCIDENTAL WORK. THE TOTAL APPROXIMATE LAND DISTURBANCE (LOD) ASSOCIATED WITH THIS PROJECT IS 95 ACRES. SEDIMENT BASINS SHALL TRAP WATER FROM 124 ACRES (THERE ARE AREAS WHERE UPSLOPE DRAINAGE CANNOT BE DIVERTED AWAY FROM THE SITE) AND SUPER SILT FENCE OR 18" SILT SOXX WILL BE INSTALLED IN ACCORDANCE WITH THE WV DEP EROSION AND SEDIMENT CONTROL BMP MANUAL TO TRAP SEDIMENT FROM 14.65 ACRES OF PAD SITE AND ROAD IN THE BEGINNING AND TRANSITION DOWN TO 6.56 ACRES (ROADS AND NW SIDE OF PAD 4) AS THE BASINS, DIVERSIONS, ROADS AND PADS ARE CONTSTRUCTED AND RUNOFF IS DIVERTED TO SEDIMENT BASINS. THE TOTAL DISTURBED AREA CAN NOT BE DIRECTED TO SEDIMENT BASIN/TRAPS BECAUSE THERE IS INSUFFICIENT CONSTRUCTIBLE SPACE ON ROAD 1 AND THE NORTH SIDE OF PAD 4 TO INSTALL THE TRAPS TO MEET THE 3600 CF/AC STANDARD BECAUSE OF LMITED CONSTRUCTION AREA.

THERE WILL BE A DECREASES IN 1 YR PEAK DISCHARGE RESULTING FROM THIS PROJECT. THE SEDIMENT BASINS SHALL REMAIN TO ACT AS STORM WATER MANAGEMENT FACILITIES.

2. EXISTING SITE CONDITIONS: THE EXISTING PROPERTY IS CATTLE PASTURE, CROP FIELDS AND UPLAND HARDWOODS WITH FLAT TO GENTLE TOPOGRAPHY WITH 0% TO 35% SLOPES. THERE ARE NO EROSION FEATURES ON THE SITE. THERE ARE NO SEEPS OR KNOWN WETLANDS ON THE SITE. THERE ARE SWAMPY AREAS THAT MAY BE WETLANDS THAT ARE BEIN AVOIDED AND PROTECTED AS IF THEY WERE WETLANDS.

3. ADJACENT PROPERTY: THE SITE IS BORDERED ON ALL SIDES BY PASTURES OR UPLAND HARDWOODS.

4. SOILS: NO GEO TECHNICAL BORINGS WERE DONE FOR THE PROJECT SITE. THE USDA SOIL SURVEY INDICATES MOSTLY BERK-WEIKERT CHANNERY, EDOM, MELVIN AND MASSENTTAN SILT LOAMS OF 3-25% SLOPES WITH VARYING DEPTH OVER BEDROCK FROM 24" TO 60" DEEP OVER WEATHERED SHALE BEDROCK.

5. OFF SITE AREAS: NONE

6. CRITICAL EROSION AREAS-CONTROL MAINTENANCE: THERE ARE NO CRITICAL EROSION ARES ON THE SITE OR ADJACENT AREAS. ALL 3:1 SLOPES AND STEEPER, DITCHES AND OTHER CONTROLS SHALL BE CONSIDERED CRITICAL EROSION AREAS. THESE AREAS SHALL BE MONITORED & MAINTAINED DAILY AND AFTER EACH RAIN FALL OF 0.25 INCHES OR GREATER. THE LOCAL GOVERNING AUTHORITY WILL HAVE THE AUTHORITY TO RECOMMEND THE PLACEMENT OF ADDITIONAL EROSION CONTROL MEASURES IN THESE AREAS IF IT BECOMES EVIDENT DURING CONSTRUCTION THAT THE ONES IN PLACE ARE NOT FUNCTIONING SUFFICIENTLY.

7. EROSION AND SEDIMENT CONTROL MEASURES: UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE CONSTRUCTED AND MAINTAINED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS OF THE CURRENT WEST VIRGINIA EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICE MANUAL THE CONTRACTOR SHALL OBTAIN A COPY OF THIS MANUAL FROM THE WVDEP WEBSITE AND CONSTRUCT ALL DEVICES BASED ON THIS MANUAL OR A HANDBOOK THAT IS COMPARABLE OR EXCEEDS THE SPECIFICATIONS OF THE WEST VIRGINIA MANUAL. THE MINIMUM STANDARDS OF THIS MANUAL SHALL BE ADHERED TO UNLESS OTHERWISE WAIVED OR APPROVED BY A VARIANCE. SEE PLANS FOR ALL PROPOSED EROSION AND SEDIMENT CONTROL MEASURES.

8. STRUCTURAL PRACTICES:

-CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE AS SHOWN ON THE PLANS.
-CONSTRUCT SEDIMENT BASINS AND DIVERSION DITCHES AS SHOWN ON THE PLANS.
-OUTLET PROTECTION: WILL BE CONSTRUCTED AS SHOWN ON THE PLANS.
-SUPER SILT FENCE AND 18" SILT SOCKS WILL BE CONSTRUCTED AS SHOWN ON THE PLANS.

9. VEGETATIVE PRACTICE TOPSOILING: TOPSOIL WILL BE STRIPPED FROM THE SITE AND STOCKPILED IN AN AREA DETERMINED IN THE FIELD. TOPSOIL WILL BE PLACED ON ALL DISTURBED AREAS AT A MINIMUM DEPTH OF 2 INCHES. TEMPORARY SEEDING: ALL DENUDED AREAS LEFT DORMANT FOR MORE THAN 14 DAYS SHALL BE SEEDED WITH A FAST GERMINATING SEED. THE TIME OF YEAR WILL BE THE BASIS FOR THE SEED MIXTURE. PERMANENT SEEDING: ALL SEEDED AREAS WILL BE RESEEDED, MULCHED AND FERTILIZED AS NEEDED TO OBTAIN AN ADEQUATE STAND OF GRASS. PERMANENT SEEDING SHALL BE PLACED WITHIN SEVEN DAYS UPON ACHIEVING FINAL GRADE. WATER, MULCH, AND RESEED AS NECESSARY TO OBTAIN AN ADEQUATE STAND OF VEGETATION, IN THE OPINION OF THE ENGINEER.

10. MANAGEMENT STRATEGIES: CONSTRUCTION WILL BE SEQUENCED SO THAT GRADING OPERATIONS WILL BEGIN AND END AS SOON AS POSSIBLE. THE JOB SUPERINTENDENT SHALL BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROL MEASURES. AFTER ACHIEVING ADEQUATE STABILIZATION THE TEMPORARY EROSION AND SEDIMENT CONTROLS SHALL BE REMOVED AND ANY AREAS DISTURBED DURING THIS PROCESS SHALL BE STABILIZED.

11. SEQUENCE OF CONSTRUCTION:
A. A PRE-CONSTRUCTION CONFERENCE WILL BE HELD ON SITE WITH CONTRACTOR TO REVIEW THE CONSTRUCTION DRAWINGS AND PROVIDE ANY REQUESTED GUIDANCE. DURING PRE-CON ALL CONTRACTOR PERSONNEL SHALL BE TRAINED ON THE SWPPP. GWPPP. SAFETY AND REPORTING AND RECORD KEEPING REQUIREMENTS. TRAINING SHALL BE CONDUCTED MONTHLY ON CONSTRUCTION ACTIVITIES THAT NEED ADDITIONAL ATTENTION IN OR TO PREVENT SPILLS OR UNAUTHORIZED DISCHARGES

B. CONSTRUCT THE CONSTRUCTION ENTRANCE AND ALL SEDIMENT CONTROL DEVICES THAT DO NOT REQUIRE CLEARING AND GRUBBING.

C. CONSTRUCT ALL PROPOSED SEDIMENT CONTROL DEVICES AS SOON AS CLEARING AND GRUBBING OPERATIONS ALLOW. SEDIMENT TRAPPING DEVICES SHALL BE INSTALLED AND INSPECTED BY A QUALIFIED PERSON PRIOR TO THE START OF GRADING OPERATIONS.

D. CLEAR AND GRUB, REMOVE TOPSOIL AND PLACE AT AN AREA DETERMINED IN THE FIELD WHERE EROSION WILL NOT TAKE PLACE. TOPSOIL STOCKPILE TO BE SEEDED AND MULCHED. SILT FENCE SHALL BE CONSTRUCTED AROUND TOPSOIL STOCKPILES.

E. GRADING OPERATIONS AS REQUIRED. CUT SLOPES AND FILL SLOPES SHALL BE TOPSOILED IF NEEDED. DITCH LINES SHALL BE CLEANED. ALL DITCHES WILL HAVE AT LEAST GRASS LINING PROTECTION OR GREATER BASED ON DITCH SLOPE WITH THE FOLLOWING DETERMINATION; 0 TO 3% - GRASS LINED, 3 % OR GREATER REQUIRES TURF REINFORCEMENT MATTING. ROCK CHECK DAMS SHALL BE INSTALLED AS SHOWN ON THE ROAD PROFILE.

F. DITCH CHECK DAMS WITH SUMPS AND CULVERT INLET AND OUTLET PROTECTION SHALL BE CONSTRUCTED IMMEDIATELY UPON PLACEMENT OF INLETS AND CULVERTS. INSTALLATION OF MATTING AND/OR RIP RAP TO OCCUR ONCE DITCHES ARE CONSTRUCTED.

G. WHEN FINAL GRADE IS ACHIEVED, 2" OF TOPSOIL SHALL BE PLACED ON ALL DISTURBED AREAS NOT LINED. SEED ALL DISTURBED AREAS AS REQUIRED. A SOIL SAMPLE SHOULD BE TAKEN BY THE CONTRACTOR AND TESTED TO DETERMINE RECOMMENDED RATES. IF NO SOILS SAMPLE IS TAKEN THE FOLLOWING RATES SHOULD BE APPLIES AS A MINIMUM. LIME AT A RATE OF 4 TONS PER ACRE. FERTILIZE AT A RATE OF 500 LBS. OF 10-20-10 PER ACRE. SEED WITH 45 LBS. PER ACRE OF TALL FESCUE AND 20 LBS. PER ACRE OF PERENNIAL RYE GRASS.

H. LIME, FERTILIZER, AND SEED WILL BE APPLIED BY HAND OR USING A HYDRO-SEEDER.

I. FINAL SEEDING MUST OCCUR WITHIN 7 DAYS OF FINAL GRADING.

J. WHEN SITE IS STABILIZED WITH AN ESTABLISHED LAYER OF GRASS OVER 70% OF THE SLOPES, ALL EROSION AND SEDIMENT CONTROL MEASURES CAN BE CONVERTED TO STORM WATER MANAGEMENT DEVICES AND SUPER SILT FENCE/SILT SOXX REMOVED AND THOSE AREAS REPAIRED/STABILIZED IN ACCORDANCE WITH STATE STANDARDS.

K. MAKE MODIFICATIONS FOR PERMANENT STORM WATER MANAGEMENT.

L. FINAL SITE INSPECTION.

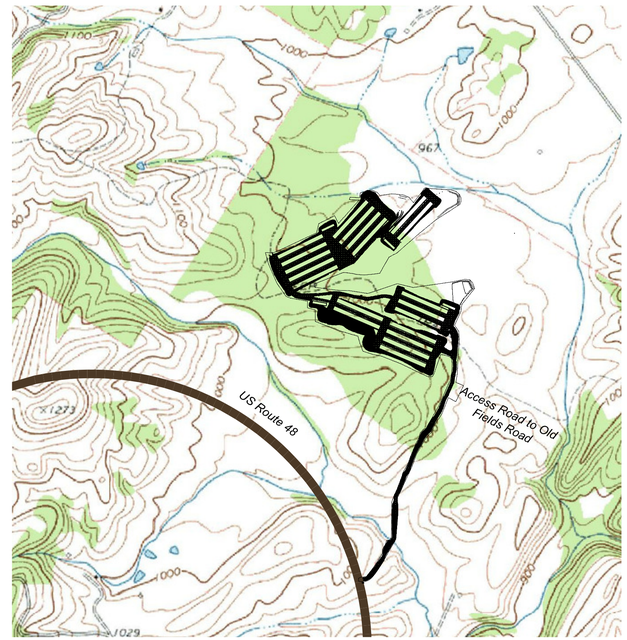
12. PERMANENT STABILIZATION: ALL AREAS LEFT UNCOVERED BY EITHER BUILDINGS OR PAVEMENT SHALL BE STABILIZED WITH PERMANENT SEEDING IMMEDIATELY FOLLOWING FINISH GRADING. AT NO TIME SHALL LAND LAY DORMANT FOR LONGER THAN 7 DAYS. SEE SEQUENCE OF EVENTS FOR LIME, FERTILIZER, AND SEED RATES.

13. MAINTENANCE, AND OTHER CONSIDERATIONS AND GROUND WATER PROTECTION: ALL EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSPECTED BY A QUALIFIED PERSON AT A MINIMUM OF EVERY 7 DAYS AND WITH IN 24 HOURS AFTER EACH RAINFALL OF 0.25 INCHES OR MORE. THEY WILL BE INSPECTED FOR UNDERMINING, DETERIORATION, EROSION AND EXCESS DEPOSITED MATERIAL. ALL DEFICIENCIES WILL BE CORRECTED IMMEDIATELY. EXCESS MATERIAL WILL BE SPREAD ON THE SITE IN A MANNER WHERE IT IS NOT LIKELY TO ERODE IN THE FUTURE. CLEANING PROCEDURES WILL BE COMPLETED AT REGULAR INTERVALS AND AT LEAST WHEN SEDIMENT REACHES CLEAN OUT LEVELS EXCEEDING 50% CAPACITY OR AS SHOWN. RECORDS OF CLEANING AND CORRECTIONS WILL BE MAINTAINED BY THE CONTRACTOR. THE ATTACHED GROUNDWATER POLLUTION PREVENTION PLAN FOR THE CONSTRUCTION SITE WILL BE USED AND AVAILABLE ON SITE AT ALL TIMES. AN AREA WILL BE PROVIDED FOR VEHICLE AND EQUIPMENT MAINTENANCE. MOBILE FUEL TRUCKS WITH APPROVED TANKS WILL BE USED ON THIS SITE. CATCH PANS SHALL BE USED UNDER EQUIPMENT DURING FUELING AND GREASE OPERATIONS TO PREVENT SPILLS FROM REACHING GROUND WATER OR SOIL. PORTABLE SANITARY FACILITIES WILL BE AVAILABLE FOR EMPLOYEES. IF CONCRETE IS USED, EXCESS CONCRETE WILL BE DISPOSED OF PROPERLY AND NOT ALLOWED TO REMAIN ON THIS SITE. MACHINERY WILL NOT BE ALLOWED IN LIVE STREAMS. FLUIDS SUCH AS DIESEL FUEL, GAS, OIL OR ANTIFREEZE WILL BE KEPT IN PROPER CONTAINERS AND ANY SPILLAGE WILL BE CLEANED AND TAKEN OFF SITE TO A PROPER FACILITY. SOLID OR HAZARDOUS WASTES WILL BE DISPOSED IN ACCORDANCE WITH APPROPRIATE STATE AND FEDERAL REGULATIONS. IT IS THE CONTRACTORS RESPONSIBILITY TO MAKE CHANGES AND NOTIFY WVDEP OF ANY CHANGES TO GPP. A FINAL INSPECTION WILL BE MADE AT THE CONCLUSION OF THE PROJECT AND ALL CORRECTIONS MADE BEFORE SIGN-OFF OF THE PROJECT SITE.

Contractor is Responsible For
MISS Utility of West Virginia
1-800-245-4848
West Virginia State Law
(Section XIV: Chapter 24-C)
Requires that you call two business days before you dig in the state of West Virginia.
IT'S THE LAW!!

PROJECT SPECIFICS:

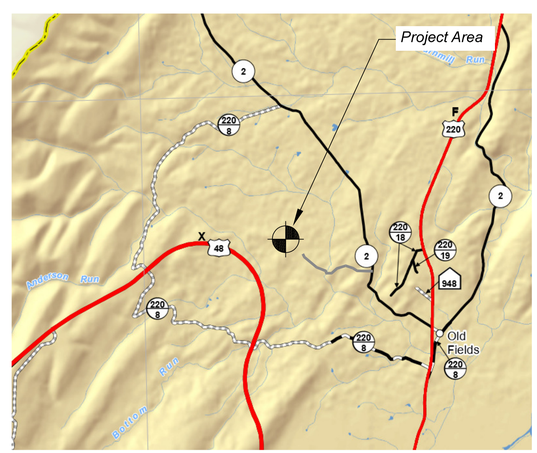
TOTAL DISTURBED AREA (LOD) = 95.00 ACRES
TOTAL PROPOSED IMPERVIOUS AREA = 47.56 ACRES
TOTAL TIMBER REMOVAL AREA = 19.90 +/- ACRES
TOTAL PROPOSED CUT AND FILL = 470,000 CY



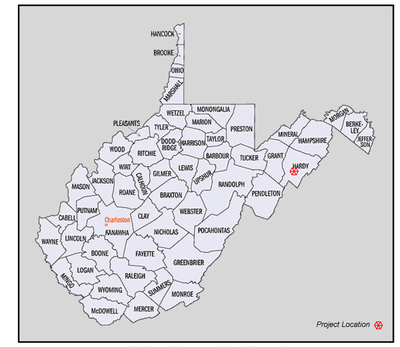
OLD FIELDS QUAD

0' 1000' 2000' 3000'

SITE LOCATIONS NAD 83 (WV NORTH ZONE)		
	LATITUDE	LONGITUDE
Center of Site	39.150989	-78.979450
Begin Access Road	39.139029	-78.978481



Vicinity Map
Not to Scale



WEST VIRGINIA COUNTY MAP

OWNER
WV POULTRY PARTNERS 1, LLC.
2018 Eastwood Road, Suite 103
Wilmington, NC 28405

POC: Jody Murphey
Managing Partner

Phone: 910-509-7223

Hardy County, Moorefield Tax District
Tax Map 204, Parcel 1, 362+/- Acres

THERE ARE NO FEMA FLOOD PLAINS IN THE AREA.

WV DEP Storm Water NPDES Permit No.WVR_____

ESTIMATED CONSTRUCTION SCHEDULE

MOBILIZE - SEPTEMBER, 30 2019
INSTALL CONSTRUCTION ENTRANCE, EROSION AND SEDIMENT CONTROLS OCTOBER 1 TO OCTOBER 31, 2019
CLEAR AND GRUB AS REQUIRED - OCTOBER 1 - NOVEMBER 15, 2019
CONSTRUCT E&S CONTROLS, ACCESS ROAD, AND PADS - OCTOBER 15, 2019 TO AUGUST 30, 2020
STABILIZE SLOPES - MAY-JULY 2020
FINAL CLEAN UP AND DEMOBILIZATION - AUGUST 2020
POULTRY HOUSE CONSTRUCTION TO START AS PAD SPACE IS AVAILABLE

DRAWING INDEX

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29 - 30 ROADS 1, 2, AND 3 CROSS SECTIONS AND DETAILS
31 FINAL CONDITIONS SITE PLAN & PRE-POST PEAK DISCHARGE CALCULATIONS

REVISIONS

DATE

CHARLES K. WILSON
REGISTERED
NO. 12483
STATE OF WEST VIRGINIA
PROFESSIONAL ENGINEER

L&W ENTERPRISES, INC.
PO BOX 826
190 SOUTH GROVE ST.
PETERSBURG, WV 26847
PH: 304-257-4818
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L & W Enterprises Incorporated

THIS DOCUMENT PREPARED FOR WV POULTRY PARTNERS 1, LLC.

COVER SHEET
WV POULTRY PARTNERS 1, LLC.
- POULTRY OPERATION
SITE DESIGN, EROSION & SEDIMENT CONTROL PLAN
MOOREFIELD DISTRICT
HARDY COUNTY, WV

Date: 6/11/19
Scale:NTS
Designed By: CKW
File No. WVPP1 4-19
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SITE DESIGN, EROSION & SEDIMENT CONTROL PLAN

CONSTRUCTION SPECIFICATIONS:

1. THE ROAD, PAD AND BASINS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS AND THE SCOPE OF WORK AND SHALL CONFORM GENERALLY WITH THE GRADES, BERMS, DEPTHS AND DIMENSIONS SHOWN.

2. THE CONSTRUCTION DOCUMENTS SHOW THE EXISTING AND NEW GRADES, ETC. THAT ALL CUT AND FILL ESTIMATES ARE BASED UPON. THE ENGINEERS ESTIMATES OF THE QUANTITIES ARE ONLY ESTIMATES AND MAY CHANGE BASED ON ACTUAL FIELD CONDITIONS.

3. THE GRADES, BERMS, DEPTHS, AND DIMENSIONS MAY CHANGE BASED ON ACTUAL FIELD CONDITIONS. THE ENGINEER RESERVES THE RIGHT TO CHANGE GRADES, BERMS, DEPTHS AND DIMENSIONS AS NECESSARY TO MEET FIELD CONDITIONS.

4. THE CONTRACTOR SHALL PROVIDE THE ENGINEER ALL REASONABLE ACCOMMODATIONS AND PROVIDE INFORMATION AND SAMPLES AS REQUIRED BY THE ENGINEER FOR PROPER MONITORING AND TESTING OF MATERIAL WORKMANSHIP.

5. THE CONTRACTOR SHALL HAVE ON SITE AT ALL TIMES WHEN CONSTRUCTION IS IN PROGRESS A COMPETENT SUPERINTENDENT THOROUGHLY FAMILIAR WITH THE CONSTRUCTION OF THE COMPACTION OF SOILS.

6. SILT FENCE SHALL BE INSTALLED PRIOR TO CLEARING AND GRUBBING AS SHOWN ON THE DRAWINGS IN ACCORDANCE WITH WV DEP BEST MANAGEMENT PRACTICES MANUAL CHAPTER 3. SURFACE WATER SHALL BE DIVERTED AWAY FROM ALL EXCAVATIONS TO PREVENT FLOODING AND SOFTENING OF THE SUBGRADE OR COMPACTED MATERIALS.

7. CLEARING AND GRUBBING SHALL REMOVE ALL BRUSH, TREES, ROOTS, STUMPS, FENCES, SIGNS OR ANY OTHER MATERIAL THAT IS NOT TO BE REUSED FOR THE CONSTRUCTION. SOME STUMPS MAY REMAIN AT THE APPROVAL OF THE ENGINEER. NO CLEARING DEBRIS SHALL BE BURIED ON-SITE WITHOUT THE LANDOWNER'S AND ENGINEER'S PRIOR PERMISSION. ALL STUMPS SHALL BE WINDROWED AT THE BASE OF THE FILLS AND ALONG EDGE OF E&S CONTROLS IN AREAS SPECIFIED, OR THEY WILL BE BURNED OR CHIPPED.

8. TOP SOIL SHALL BE STRIPPED AND STOCKPILED WITH APPROPRIATE STABILIZATION AND SILT FENCE TO PREVENT EROSION. THE TOP SOIL SHALL BE REUSED ON THE FACE OF THE SLOPES PRIOR TO SEEDING.

9. TOE CUTS OF 10' MINIMUM WIDE AND 3-5' DEEP SHALL BE EXCAVATED ON ALL RECEIVING SLOPES TO PROVIDE A BASE FOR THE ANY FILL SLOPE.

10. PRIOR TO PLACING ANY FILL, THE EXPOSED SUBGRADE SHALL BE COMPACTED AND PROOF ROLLED TO PRODUCE A STABLE AND UNYIELDING SITE.

11. ROADS, PAD, AND BASINS SHALL BE CONSTRUCTED OF UNIFORMLY GRADED SOIL FREE FROM AGGREGATE EXCEEDING 6". THE FILL SHALL BE FREE OF ALL ORGANIC MATERIAL, STUMPS , BRUSH, OR OTHER DELETERIOUS MATTER. AGGREGATE SHALL NOT EXCEED 3" IN THE AREA NEAR FOUNDATIONS, PLUMBING OR OTHER UTILITIES THAT ARE TO BE INSTALLED.

12. ALL FILL SHALL BE PLACED IN LIFTS OF UP TO 12" AND SHALL BE COMPACTED TO 95% OF THE STANDARD PROCTOR DENSITY OF THE SOIL PER ASTM D-698. THE MOISTURE CONTENT SHALL BE CONTROLLED WITHIN PLUS OR MINUS 4% OF THE OPTIMUM TO FACILITATE COMPACTION. CONTRACTOR IS RESPONSIBLE FOR THE ORIGINAL SOIL TEST AND PROVIDING A COPY OF THE RESULTS WITH MOISTURE-DENSITY CURVE TO THE ENGINEER. THE CONTRACTOR SHALL DO IN-PLACE DENSITY TESTS EVERY THIRD LIFT OF SOIL AND SHALL BE DONE IN TWO RANDOM PLACES ON EACH STRAIGHT SIDE OF THE IMPOUNDMENT BERM. RECORDS SHALL BE MAINTAINED OF TEST LOCATION AND RESULTS AND PROVIDED TO THE ENGINEER ON REQUEST. AREAS THAT FAIL FOR COMPACTION SHALL BE REMOVED, RE-COMPACTED AND RETESTED FOR COMPLIANCE. IN LIEU OF MODIFIED PROCTOR TESTING, THE CONTRACTOR MAY PROOF-ROLL THE SOIL EVERY 12" OF SOIL LIFT WITH A LOADED 15 TON TANDEM DUMP TRUCK. SOIL THAT DEFECTS UNDER THE REAR WHEELS GREATER THAN 1/2" SHALL BE REMOVED, RE-COMPACTED AND RETESTED. COMPACTION OF SOIL SHALL BE DONE WITH A 5 TON SMOOTH, SHEEPS FOOT, OR VIBRATORY ROLLER.

13. ON-SITE FILL SHALL BE USED TO THE MAXIMUM EXTENT POSSIBLE. ANY IMPORTED FILL SHALL BE CERTIFIED BY THE CONTRACTOR TO BE CLEAR OF ALL HAZARDOUS SUBSTANCES OR MATERIALS. IF MATERIAL IS ENCOUNTERED THAT CANNOT BE RIPPED BY A CAT D6 WITH A SINGLE TOOTH RIPPER, THEN THE CONTRACTOR SHALL CONTACT THE ENGINEER WHO WILL VISIT THE SITE AND DETERMINE IF THE MATERIAL MAY BE USED AS IS OR MUST BE REMOVED BY OTHER MEANS. IF UNSUITABLE SOILS IN THE SUBGRADE ARE FOUND THEY SHALL BE REMOVED AND REPLACED WITH APPROPRIATE FILL AT THE CONTRACTORS EXPENSE AND THE ENGINEER'S DIRECTION.

14. MAINTENANCE AND SEEDING:

AT A MINIMUM, INSPECTIONS OF ALL EROSION AND SEDIMENT CONTROLS WILL BE CONDUCTED EVERY 7 DAYS AND WITHIN 24 HOURS OF A RAIN EVENT OF 0.25 INCHES OR GREATER OF RAINFALL IN 24 HOURS.

EXCEPT AS NOTED BELOW, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN SEVEN DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS PERMANENTLY CEASED.

WHERE THE INITIATION OF STABILIZATION MEASURES BY THE SEVENTH DAY AFTER CONSTRUCTION ACTIVITY TEMPORARILY OR PERMANENTLY CEASES IS PRECLUDED BY SNOW COVER, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS CONDITIONS ALLOW.

WHERE CONSTRUCTION ACTIVITY WILL RESUME ON A PORTION OF THE SITE WITHIN 14 DAYS FROM WHEN ACTIVITIES HAVE CEASED, (E.G., THE TOTAL TIME PERIOD THAT CONSTRUCTION ACTIVITY IS TEMPORARILY HALTED IS LESS THAN 14 DAYS) THEN STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE BY THE SEVENTH DAY AFTER CONSTRUCTION ACTIVITIES HAVE TEMPORARILY CEASED.

POST SIGN AT ENTRANCE

For Info on NPDES

Storm Water Permit

To comment on Sediment Control Plan:

Call: 800-654-5227

Or

DEP.Comments@wv.gov

DEP 601 57th Street SE, Charleston WV 25304

Application date: 8/15/19

WV Poultry Partners LLC
Poultry Operation

Emergency Contact

(304) 257-7940

On 24" by 24" Board posted 36" above the Ground

TEMPORARY SEED CHART

Table 3.10.1 Temporary seed chart

PLANT NAMES		PLANTING DATES	APPLICATION RATE LBS/ACRE
COMMON	SCIENTIFIC		
Annual Ryegrass	*Lolium multiflorum*	2/16 – 5/15 8/1 – 11/1	40
Field Bromegrass	*Bromus ciliatus*	3/1 – 6/15 8/1 – 9/15	40
Spring Oats	*Avena sativa*	3/1 –6/15	100
Winter Rye	*Secale cereale*	8/15 –2/28	170
Winter Wheat	*Triticum aestivum*	8/15 – 2/28	180
Japanese Millet	*Echinochloa crusgalli*	5/15 – 8/15	30
Redtop	*Agrostis alba*	3/1 – 6/15	10
Annual Ryegrass and Spring Oats	*Lolium multiflorum* *Avena sativa*	3/1 – 6/15	30 70
German/Foxtail Millet	*Setaria italica*	5/1 – 8/1	40
Hairy Vetch	*Vicia villosa*	8/15 – 4/1	60

*Inoculation is required. If a hydroseeder is utilized, the application rate is 5 times the recommended rate.

GENERAL NOTES

1. ANY DISCREPANCIES FOUND BETWEEN THE DRAWINGS AND SPECIFICATIONS AND SITE CONDITIONS OR ANY INCONSISTENCIES OR AMBIGUITIES IN DRAWINGS OR SPECIFICATIONS SHALL BE IMMEDIATELY REPORTED TO THE ENGINEER, IN WRITING, WHO SHALL PROMPTLY ADDRESS SUCH PROBLEMS. WORK DONE BY THE CONTRACTOR AFTER THE DISCOVERY OF SUCH DISCREPANCIES, INCONSISTENCIES, OR AMBIGUITIES SHALL BE DONE AT THE CONTRACTOR'S RISK.

2. WORK ON THIS PROJECT SHALL CONFORM TO THE LATEST EDITIONS OF THE WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICE HANDBOOK. IN THE EVENT OF CONFLICT BETWEEN THE DESIGN, SPECIFICATIONS, OR PLANS, THE MOST STRINGENT WILL GOVERN.

3. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED DAILY, RELOCATED WHEN NECESSARY AND SHALL BE CHECKED AFTER EVERY RAINFALL. SEEDED AREAS SHALL BE CHECKED REGULARLY AND SHALL BE WATERED, FERTILIZED, RESEEDED AND MULCHED AS NECESSARY TO OBTAIN A DENSE STAND OF GRASS. AREAS WHERE SEED FAILS TO GERMINATE ADEQUATELY (UNIFORM PERENNIAL VEGETATIVE GROWTH WITH A DENSITY OF 70%) WITHIN 30 DAYS OF SEEDING AND MULCHING, SHALL BE RE-SEEDED IMMEDIATELY OR AS SOON AS WEATHER ALLOWS.

4. ALL DRAIN INLETS SHALL BE PROTECTED FROM SILTATION. INEFFECTIVE PROTECTION DEVICES SHALL BE REPLACED AND THE INLET CLEANED. FLUSHING IS NOT AN ACCEPTABLE MEANS OF CLEANING.

5. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL PUBLIC OR PRIVATE UTILITIES WHICH LIE IN OR ADJACENT TO THE CONSTRUCTION SITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR, AT HIS OR HER EXPENSE, OF ALL EXISTING UTILITIES DAMAGED DURING CONSTRUCTION. FORTY-EIGHT HOURS PRIOR TO ANY EXCAVATION THE CONTRACTOR SHALL CALL MISS UTILITY AT (800) 552-7001.

6. INSTALLATION OF CONCRETE, CORRUGATED METAL, OR HDPL STORM PIPE SHALL BE IN CONFORMANCE WITH THESE DRAWINGS.

7. ALL MATERIALS USED FOR FILL OR BACK FILL SHALL BE FREE OF WOOD, ROOTS, ROCKS, BOULDERS OR ANY OTHER NON-COMPACTABLE SOIL TYPE MATERIALS. UNSATISFACTORY MATERIALS ALSO INCLUDE MAN MADE FILLS AND REFUSE DEBRIS DERIVED FROM ANY SOURCE.

8. MATERIALS USED TO FILL AROUND DRAINAGE STRUCTURES IN UTILITY TRENCHES OR ANY OTHER DEPRESSION REQUIRING FILL OR BACK FILL SHALL BE COMPACTED TO 95% OF MAXIMUM DENSITY AS DETERMINED BY THE STANDARD PROCTOR TEST AS SET FORTH IN ASTM STANDARD D-698. THE CONTRACTOR SHALL, PRIOR TO ANY OPERATIONS INVOLVING FILLING OR BACK FILLING, SUBMIT THE RESULTS OF THE PROCTOR TEST TOGETHER WITH A CERTIFICATION THAT THE SOIL TESTED IS REPRESENTATIVE OF THE MATERIALS TO BE USED ON THE PROJECT. THE TESTS SHALL BE CONDUCTED BY A CERTIFIED MATERIALS TESTING LABORATORY AND THE CERTIFICATIONS MADE BY A LICENSED PROFESSIONAL ENGINEER REPRESENTING THE LABORATORY. THE CONTRACTOR IS RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH THESE TESTS AND THEIR SUBMITTALS.

9. FILL SHALL BE PLACED IN LIFTS AT A MAXIMUM UNCOMPACTED DEPTH OF 12-INCHES WITH SOIL FREE FROM AGGREGATES EXCEEDING 6".

10. ALL TEST RESULTS SHALL BE SUBMITTED TO THE ENGINEER. FAILURE TO CONDUCT DENSITY TESTS SHALL BE CAUSE FOR NON-ACCEPTANCE OF THE FACILITY. TESTS SHALL BE CONDUCTED AT THE SOLE COST OF THE CONTRACTOR OR HIS AGENT.

11. A PRE-CONSTRUCTION CONFERENCE SHALL BE HELD PRIOR TO THE START OF CONSTRUCTION.

12. SATISFACTORY MATERIALS FOR USE AS FILL FOR PAD AREAS INCLUDE MATERIALS CLASSIFIED IN ASTM D-2487AS GW, GP, GM, GC, SW, SP, SM, SC, ML, AND CL GROUPS. THE MOISTURE CONTENT SHALL BE CONTROLLED WITHIN PLUS OR MINUS 4% OF THE OPTIMUM TO FACILITATE COMPACTION, GENERALLY. UNSATISFACTORY MATERIALS INCLUDE MATERIALS CLASSIFIED IN ASTM D-2487 AS PT, CH, MH, OL, OH AND ANY SOIL TOO WET TO FACILITATE COMPACTION. CH AND MH SOILS MAY BE USED SUBJECT TO APPROVAL OF THE ENGINEER. SOILS SHALL HAVE A MINIMUM DRY DENSITY OF 92LB/CF PER ASTM D-698 AND SHALL HAVE A PLASTICITY INDEX LESS THAT 17.

13. CONTRACTOR SHALL SUBMIT AND ADHERE TO A GENERAL GROUNDWATER PROTECTION PLAN.

EROSION CONTROL NOTES

1. THE CONTRACTOR SHALL ARRANGE FOR A PRE-CONSTRUCTION CONFERENCE WITH THE APPROPRIATE EROSION AND SEDIMENT CONTROL INSPECTOR 48 HOURS PRIOR TO BEGINNING WORK.

2. ALL EROSION CONTROL DEVICES AS SHOWN OR AS REQUIRED, ARE TO BE CONSTRUCTED TO THE CURRENT STANDARDS AND SPECIFICATIONS OF THE WEST VIRGINIA EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICE MANUAL AND ARE TO BE IN PLACE PRIOR TO ALL CONSTRUCTION.

3. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED CONTINUOUSLY, RELOCATED WHEN AND AS NECESSARY AND SHALL BE CHECKED AFTER EVERY RAINFALL. SEEDED AREAS SHALL BE CHECKED REGULARLY AND SHALL BE WATERED, FERTILIZED, RESEEDED AND MULCHED AS NECESSARY TO OBTAIN A DENSE (GREATER THAN 70%) STAND OF GRASS.

4. ALL DISTURBED AREAS NOT PAVED OR BUILT UPON ARE TO BE FERTILIZED, SEEDED, AND MULCHED BY THE CONTRACTOR IN ACCORDANCE WITH THE CURRENT WEST VIRGINIA EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICE MANUAL.

5. ALL DRAIN INLETS SHALL BE PROTECTED FROM SILTATION. INEFFECTIVE PROTECTION DEVICES SHALL BE IMMEDIATELY REPLACED AND THE INLET CLEANED. FLUSHING IS NOT AN ACCEPTABLE METHOD OF CLEANING.

6. PERMANENT OR TEMPORARY SOIL STABILIZATION SHALL BE APPLIED TO DENUDED AREAS WITHIN SEVEN DAYS AFTER FINAL GRADE IS REACHED ON ANY PORTION OF THE SITE. TEMPORARY SOIL STABILIZATION SHALL BE APPLIED WITHIN SEVEN DAYS TO DENUDED AREAS THAT MAY NOT BE AT FINAL GRADE BUT WILL REMAIN DORMANT (UNDISTURBED) FOR LONGER THAN 14 DAYS.

7. DURING CONSTRUCTION OF THE PROJECT, SOIL STOCKPILES SHALL BE STABILIZED OR PROTECTED WITH SEDIMENT TRAPPING MEASURES.

8. SEDIMENT TRAPS, PERIMETER DIKES, SEDIMENT BARRIERS AND OTHER MEASURES INTENDED TO TRAP SEDIMENT SHALL BE CONSTRUCTED AS A FIRST STEP IN ANY LAND DISTURBING ACTIVITY AND SHALL BE MADE FUNCTIONAL BEFORE UPSLOPE LAND DISTURBANCE TAKES PLACE.

9. STABILIZATION MEASURES SHALL BE APPLIED TO EARTHEN STRUCTURES SUCH AS IMPOUNDMENTS, DIKES AND DIVERSIONS IMMEDIATELY AFTER INSTALLATION.

10. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED, UNLESS OTHERWISE AUTHORIZED BY THE ENGINEER. TRAPPED SEDIMENT AND THE DISTURBED SOIL AREAS RESULTING FROM THE DISPOSITION OF TEMPORARY MEASURES SHALL BE PERMANENTLY STABILIZED TO PREVENT FURTHER EROSION AND SEDIMENTATION.

11. ALL DISTURBED AREAS NOT PAVED OR BUILT UPON SHALL BE SEEDED, MULCHED AND FERTILIZED. PERFORM PERMANENT TOP SOILING, SEEDING, FERTILIZING, AND MATTING AS SOON AFTER FINISH GRADING AS POSSIBLE. SEEDING SHALL COMPLY WITH THE FOLLOWING:

A. TOPSOIL - 4 INCH MINIMUM FOR PERMANENT TURF

B. FERTILIZER - 500 POUNDS PER ACRES OF 10-20-10 FERTILIZER OR EQUIVALENT POUNDAGE OF DIFFERENT ANALYSIS. WORK INTO SOIL PRIOR TO SEEDING.

C. LIME (PERMANENT SEEDING) - AGRICULTURAL LIME SPREAD AT RATE OF 4 TONS/ACRE. WORK INTO SOIL PRIOR TO SEEDING.

D. MULCH - WOOD FIBER OR CHOPPED STRAW AT RATE OF 2 TONS PER ACRE. HYDRO-MULCH AT RATE OF 30 BALES PER ACRE.

E. SEED - 45 LBS. PER ACRE TALL FESCUE AND 20 LBS. PER ACRE PERENNIAL RYE GRASS. TO BE SEEDED BY HAND OR HYDRO-SEEDER.

AREAS WHERE THE SEED HAS FAILED TO GERMINATE ADEQUATELY(UNIFORM PERENNIAL VEGETATIVE COVER WITH A DENSITY OF 70%) WITHIN 30 DAYS OF SEEDING AND MULCHING, SHALL BE RE-SEEDED IMMEDIATELY OR AS SOON AS WEATHER ALLOWS.

DATE	REVISIONS

CHARLES K. WILSON REGISTERED NO. 12483 STATE OF VIRGINIA PROFESSIONAL ENGINEER

L&W ENTERPRISES, INC.
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EMAIL: KIRKWILSONLW@OUTLOOK.COM

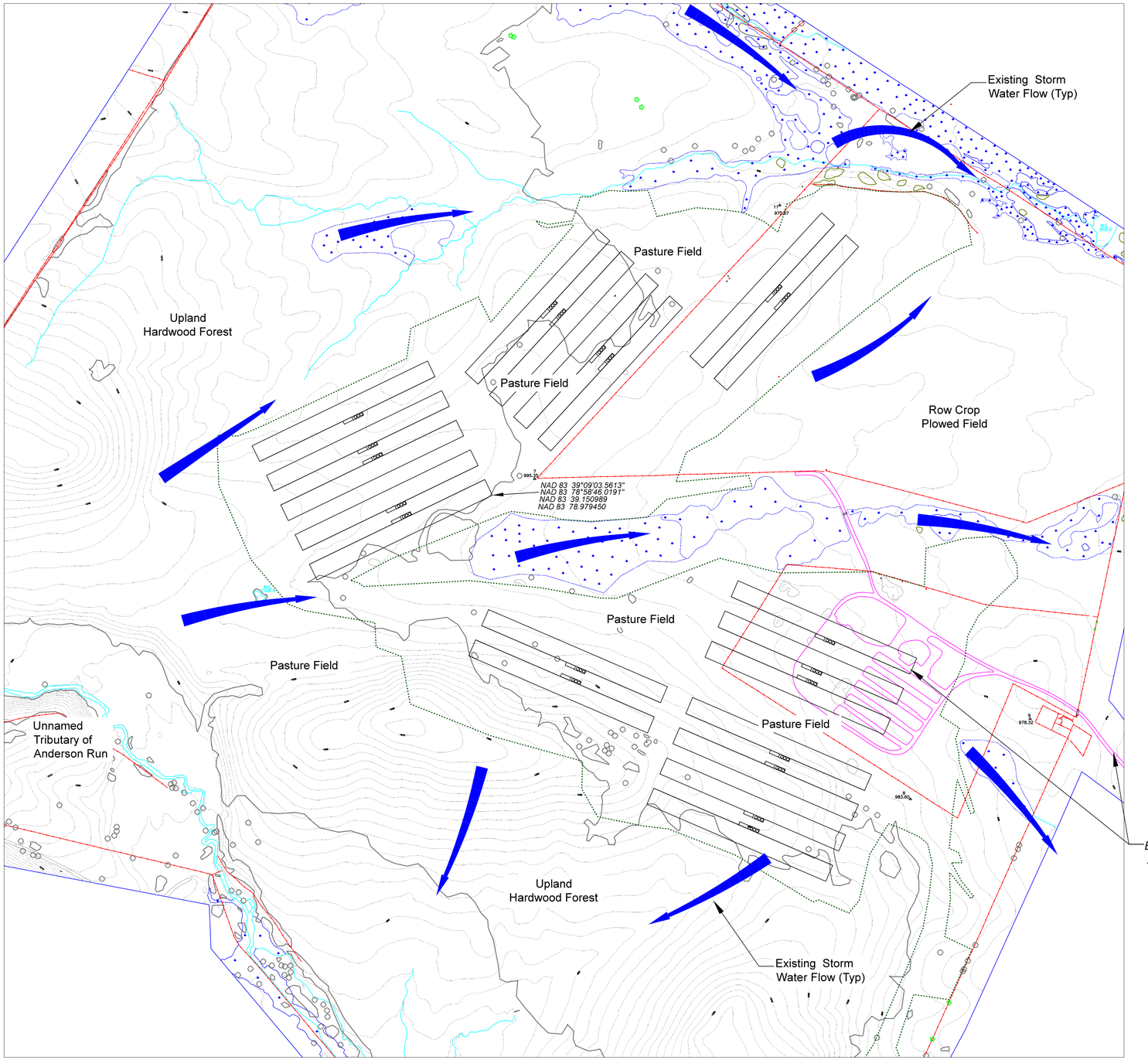
L&W Enterprises Incorporated

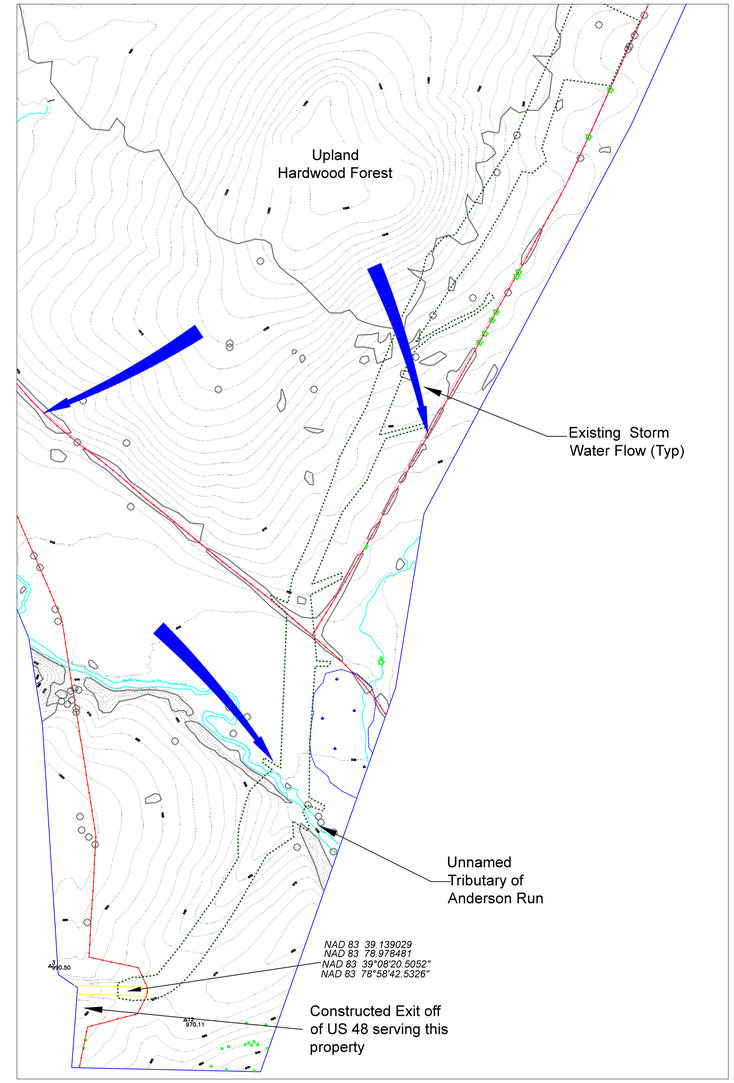
THIS DOCUMENT PREPARED FOR WV POULTRY PARTNERS 1, LLC.

CONSTRUCTION NOTES
WV POULTRY PARTNERS 1, LLC.
- POULTRY OPERATION
SITE DESIGN, EROSION & SEDIMENT CONTROL PLAN
MOOREFIELD DISTRICT
HARDY COUNTY, WV

Date: 6/11/19
Scale: NTS
Designed By: CKW
File No. WVPP1 4-19

EXISTING CONDITIONS





Existing Conditions:

The site is an cattle farm with some row crops that is being developed for poultry operations. The fenced pasture fields have slopes from 0% to 35% with easy rolling topography. Existing drainage is from the top of several wooded knolls generally flowing east except for south facing slopes that drain that direction. The drainage areas are swampy and will be avoided and protected. An existing stone pad left over from power line work is on site and a stone access road serve the site.

N
W E
S

0' 200' 400' 600'

Legend

- *Existing 5' Contour*
- *Existing Tree Line*
- *Limits of Disturbance*
- *Property Boundary*
- *Fence Line*
- *Swampy Area*

REVISIONS	DATE

CHARLES K. WILSON REGISTERED PROFESSIONAL ENGINEER NO. 12483 STATE OF WEST VIRGINIA

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L & W Enterprises Incorporated

THIS DOCUMENT PREPARED FOR WV POULTRY PARTNERS 1, LLC.

EXISTING CONDITIONS
WV POULTRY PARTNERS 1, LLC.
- POULTRY OPERATION
MOOREFIELD DISTRICT
HARDY COUNTY, WV
SITE DESIGN, EROSION & SEDIMENT CONTROL PLAN

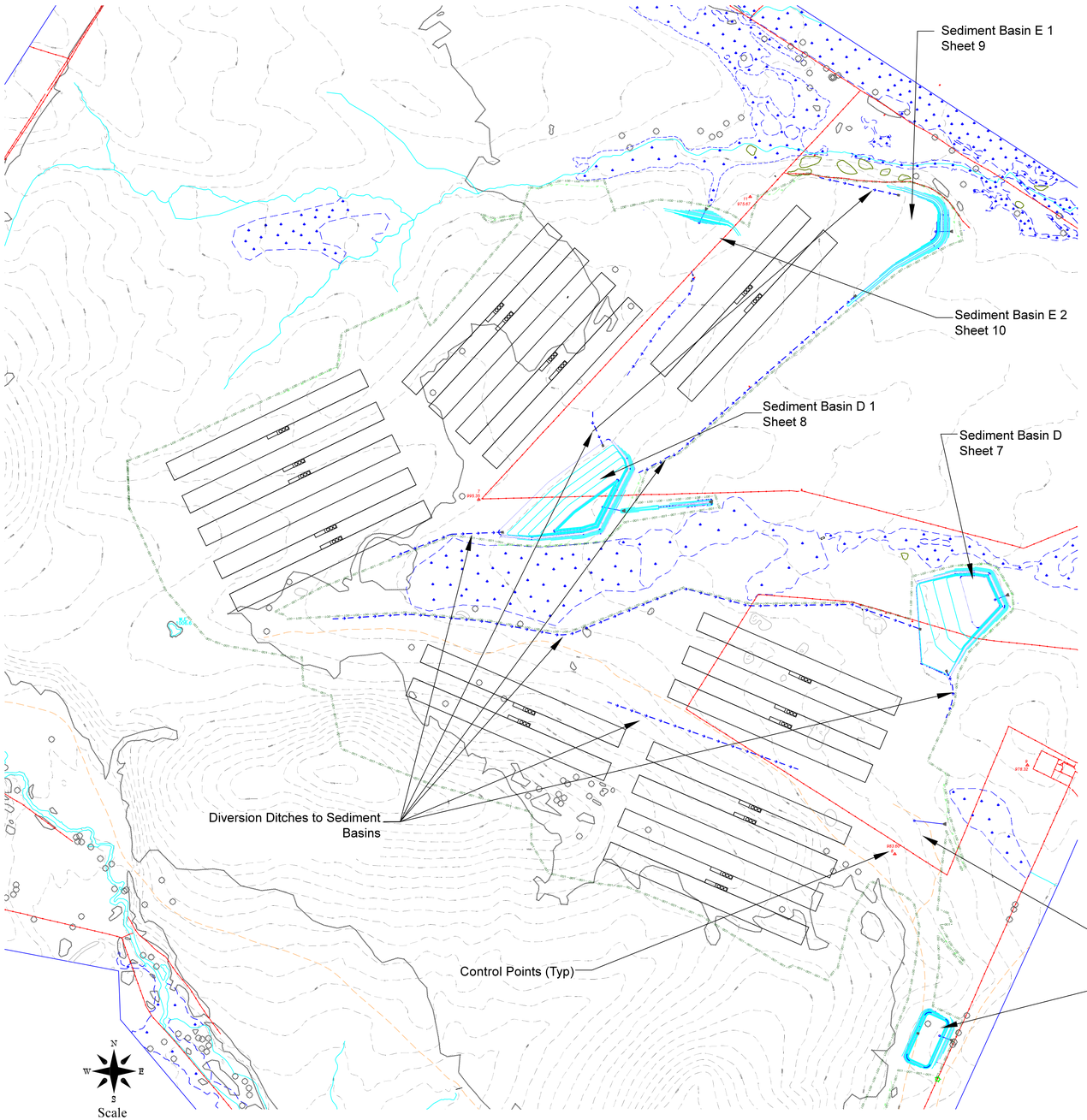
Date: 6/11/19

Scale: 1" = 200'

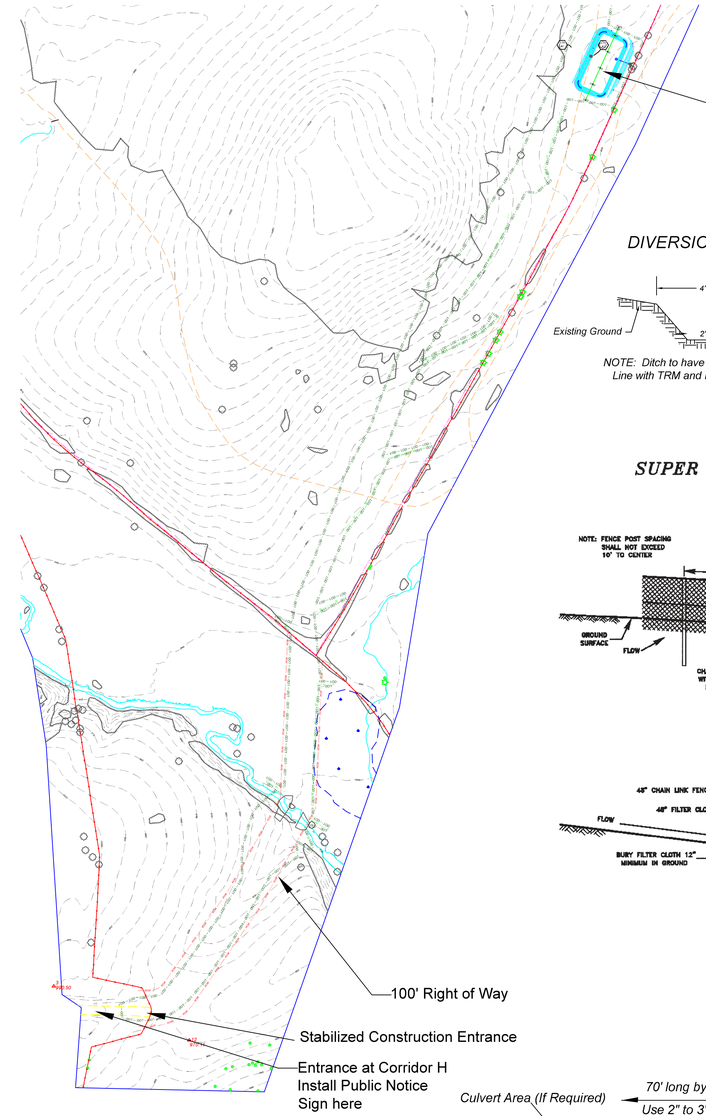
Designed By: CKW

File No. WVPP1 4-19

EROSION & SEDIMENT CONTROLS OVERALL VIEW

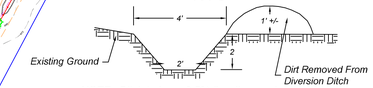


Note: 1' Contours not shown for clarity.



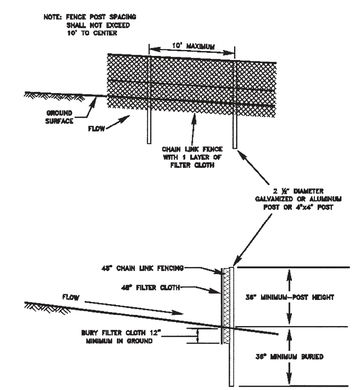
Super Silt Fence or 18" Silt Soxx locations are shown on the plan and profiles of the roads and pads. See plan sheets for specific locations.

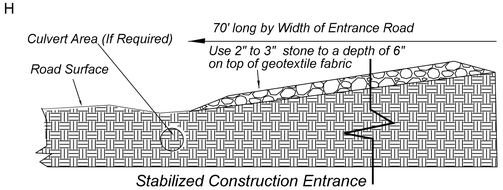
DIVERSION DITCH DETAIL
NTS



NOTE: Ditch to have 0.5% flow line grade.
Line with TRM and Install Check Dams

SUPER SILT FENCE





Stabilized Construction Entrance
NTS

Legend

- Existing 5' Contour
- Existing Tree Line
- Existing Utility Line / Pole
- Surface Owner Property Line
- LOD — Limits of Disturbance
- Proposed Diversion Ditch
- Proposed 1' Contour
- Proposed 5' Contour
- SF — Proposed Super Silt Fence
- Proposed Rock Check Dam
- Proposed Culvert W/ Inlet & Outlet Protection
- SW — Proposed Straw Wattles
- SSXX — Proposed Silt Soxx w/ Diameter
- Proposed 1' Road Contour
- Proposed 5' Road Contour
- Proposed Rip-Rap

* Silt Soxx Diameter in Inches
* 18" Silt Soxx Can be Substituted for Super Silt Fence in non-concentrated flow areas.

REVISIONS	DATE

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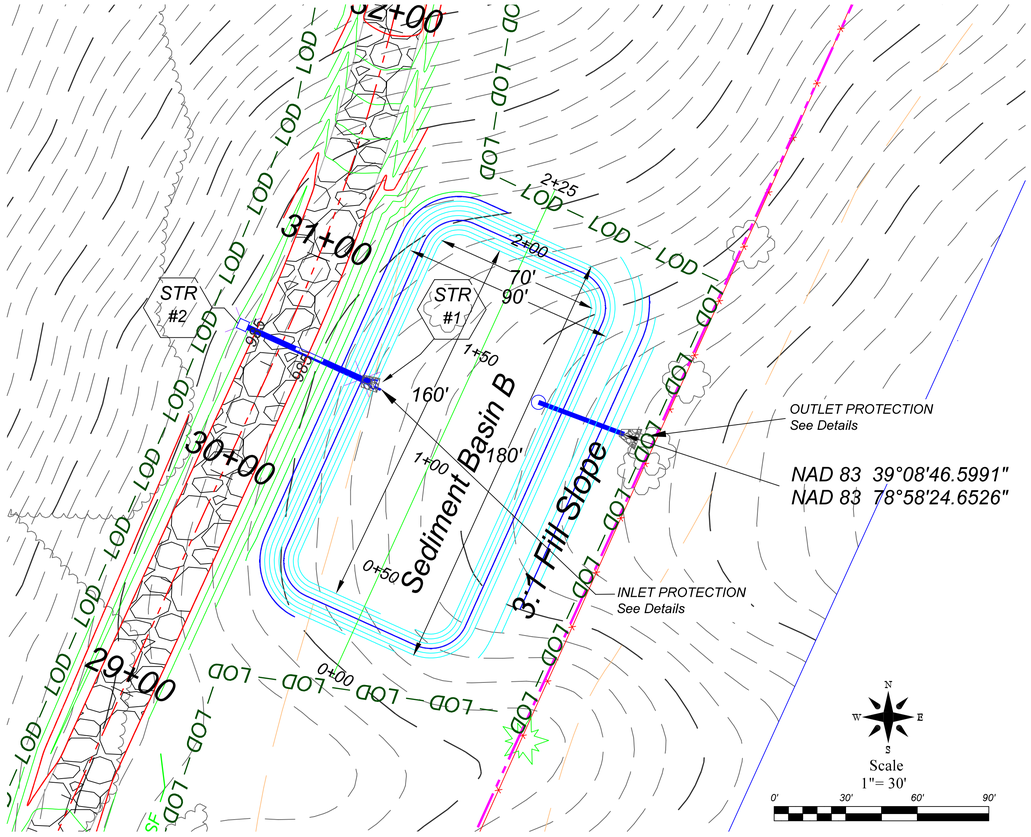
L & W Enterprises Incorporated

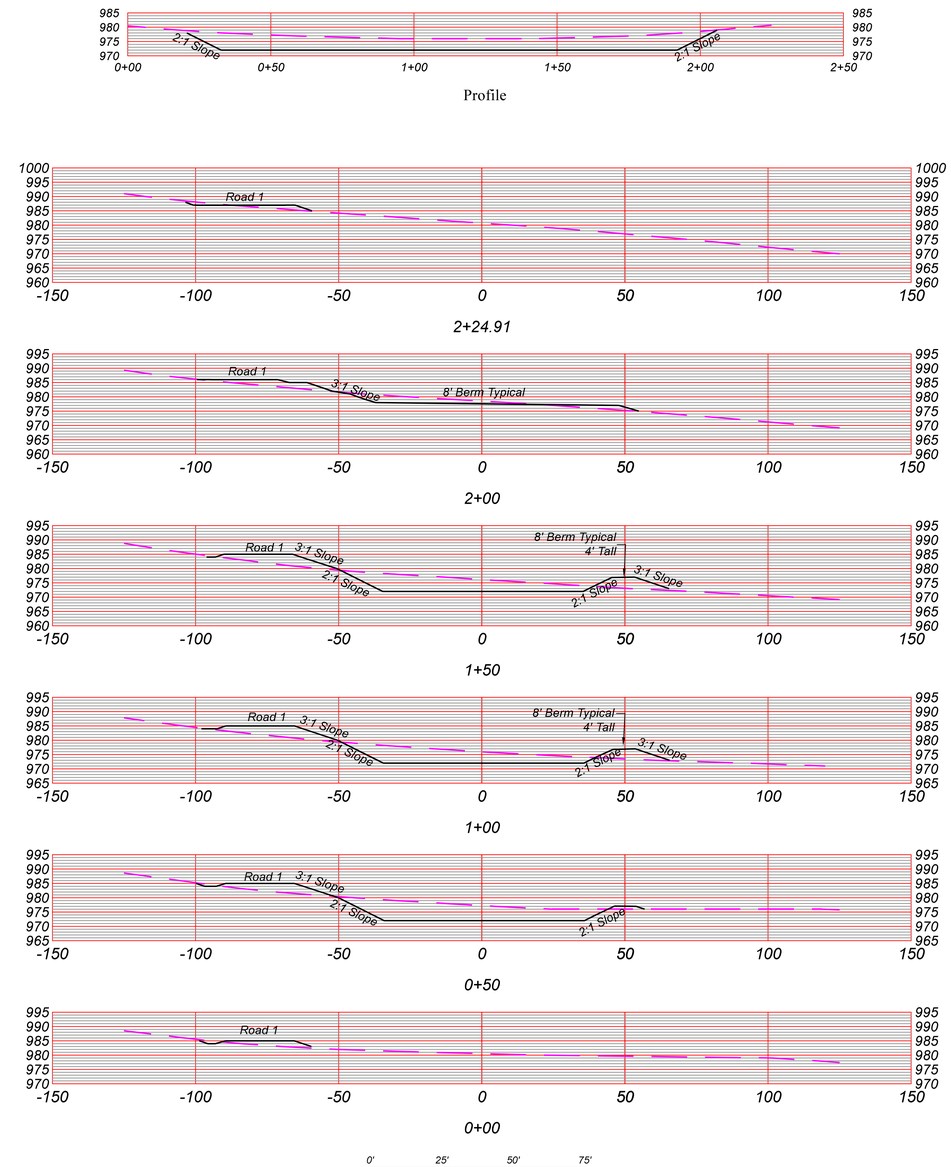
THIS DOCUMENT PREPARED FOR WV POULTRY PARTNERS 1, LLC.

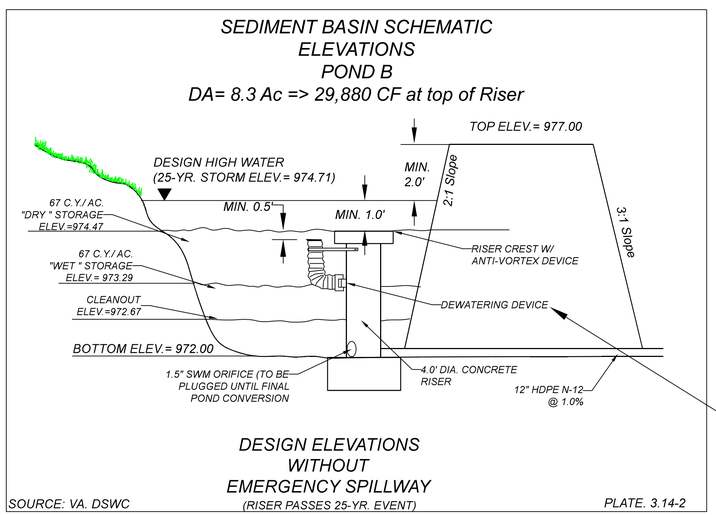
EROSION AND SEDIMENT CONTROLS OVERALL VIEW
WV POULTRY PARTNERS 1, LLC.
- POULTRY OPERATION
SITE DESIGN, EROSION & SEDIMENT CONTROL PLAN
MOOREFIELD DISTRICT
HARDY COUNTY, WV

Date: 6/11/19
Scale: 1" = 200'
Designed By: CKW
File No. WVPP1 4-19

SEDIMENT BASIN B







INLET AND OUTLET PROTECTION
FOR CULVERTS AND DIVERSION DITCHES
D50 STONE SIZE=0.5'
MAX STONE DIAMETER=0.75'
APRON LENGTH = 9.0'
APRON WIDTH UPSTREAM=3.75'
APRON WIDTH DOWNSTREAM=10.25'
STONE DEPTH = 1.68'

Dewatering Device - Skimmer shall be a Faircloth Manufactured skimmer device with 4" skimmer and 2.8" orifice and installed per the Manufacturers Instructions. See fairclothskimmer.com for details and contact information and Sheet 15 for Details.

REVISIONS

DATE

CHARLES K. WILSON REGISTERED NO. 12493 STATE OF VIRGINIA PROFESSIONAL ENGINEER

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L & W Enterprises Incorporated

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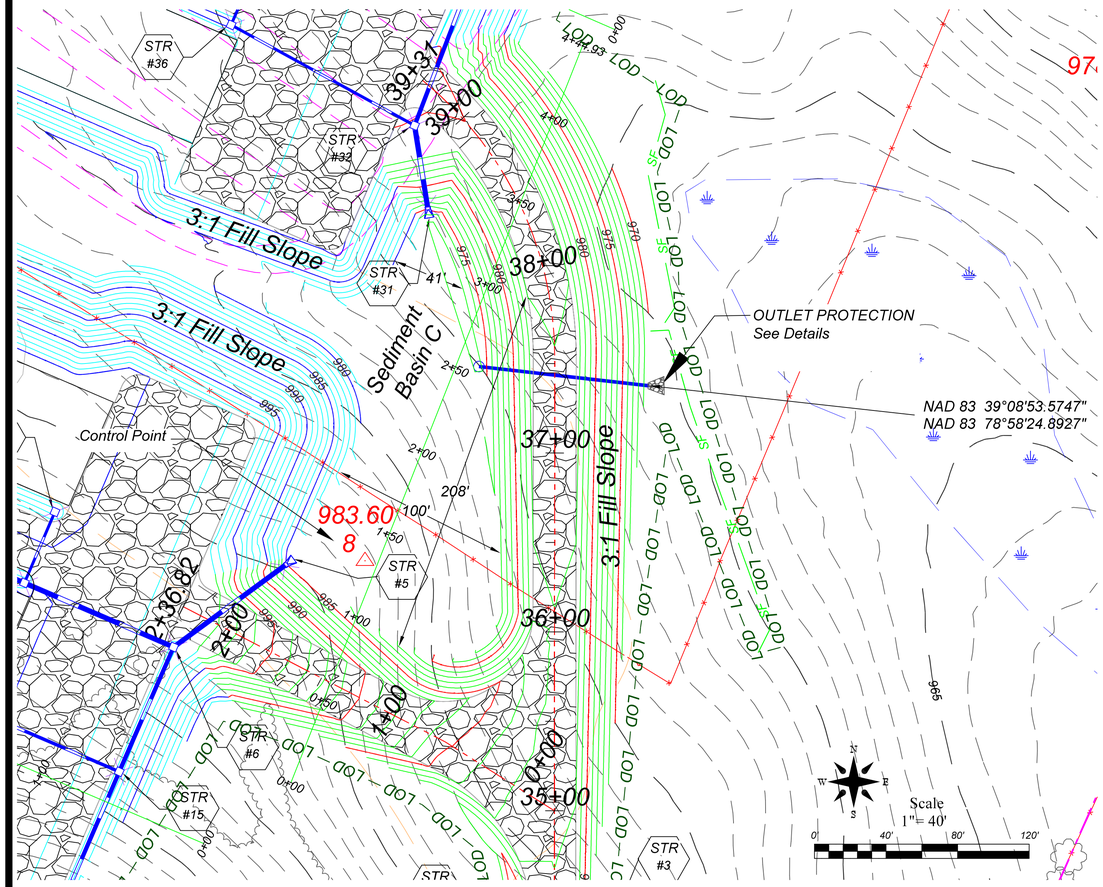
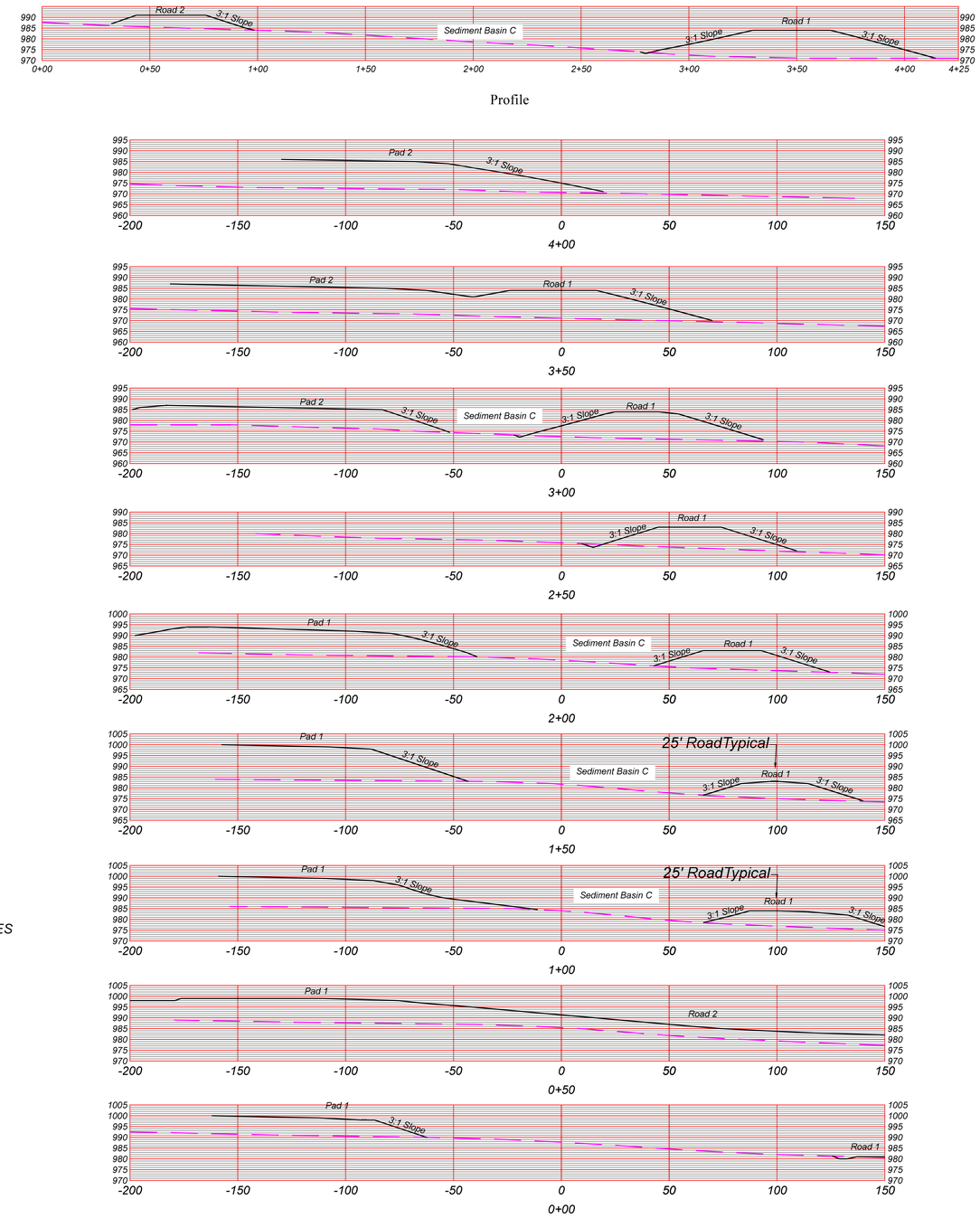
SEDIMENT BASIN B
WV POULTRY PARTNERS 1, LLC.
- POULTRY OPERATION
SITE DESIGN, EROSION & SEDIMENT CONTROL PLAN
MOOREFIELD DISTRICT
HARDY COUNTY, WV

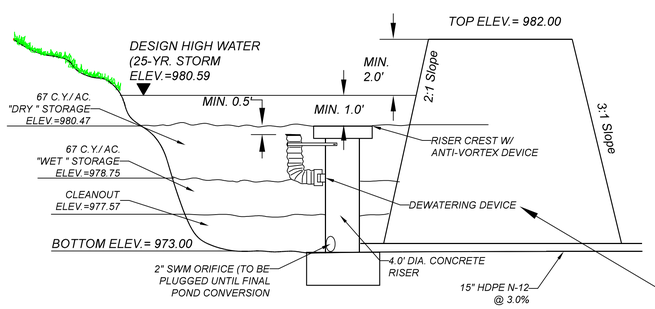
Date: 6/11/19
Scale: 1" = 25'/30'
Designed By: CKW
File No. WVPP1 4-19

SEDIMENT BASIN C





SEDIMENT BASIN SCHEMATIC ELEVATIONS
POND C
DA= 27.1 Ac => 97,560 CF at top of Riser



DESIGN ELEVATIONS
WITHOUT
EMERGENCY SPILLWAY
(RISER PASSES 25-YR. EVENT)

SOURCE: VA. DSWC

PLATE. 3.14-2

INLET AND OUTLET PROTECTION
FOR CULVERTS AND DIVERSION DITCHES
D50 STONE SIZE=0.5'
MAX STONE DIAMETER=0.75'
APRON LENGTH = 9.0'
APRON WIDTH UPSTREAM=3.75'
APRON WIDTH DOWNSTREAM=10.25'
STONE DEPTH = 1.68'

Dewatering Device - Skimmer shall be a Faircloth Manufactured skimmer device with 5" skimmer and 5" orifice and installed per the Manufacturers Instructions. See fairclothskimmer.com for details and contact information and Sheet 15 for Details.

REVISIONS	DATE

CHARLES K. WILSON REGISTERED NO. 12493 STATE OF VIRGINIA PROFESSIONAL ENGINEER

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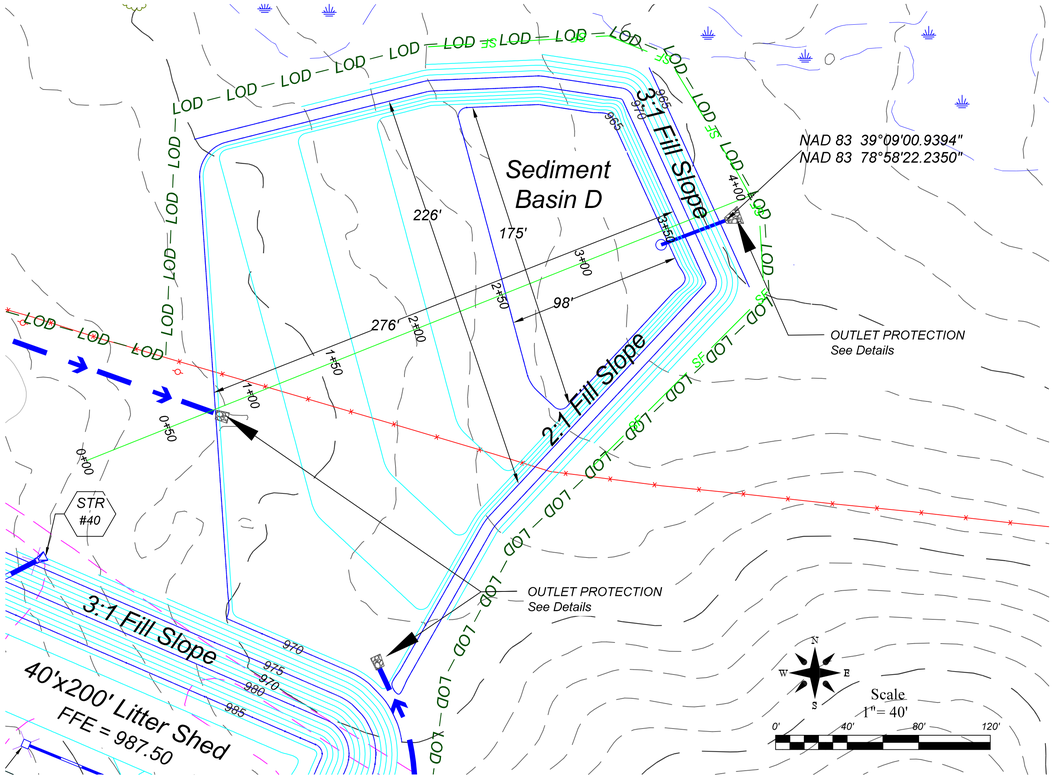
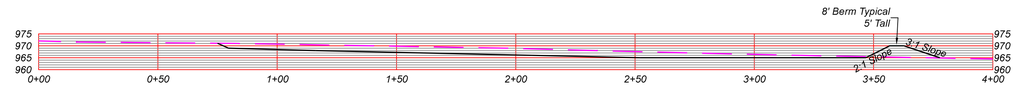
SEDIMENT BASIN C
WV POULTRY PARTNERS 1, LLC.
- POULTRY OPERATION
SITE DESIGN, EROSION & SEDIMENT CONTROL PLAN
MOOREFIELD DISTRICT
HARDY COUNTY, WV

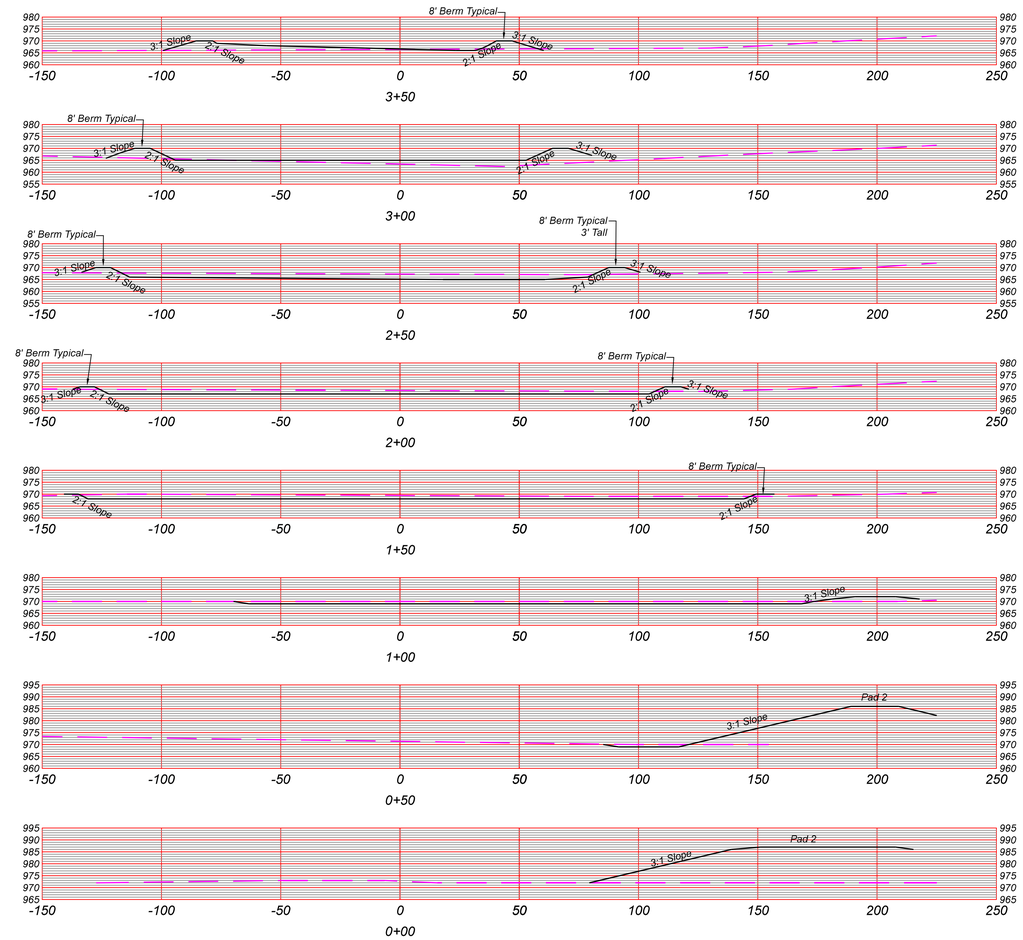
Date: 6/11/19
Scale: 1" = 30'/40'
Designed By: CKW
File No. WVPP1 4-19
Page 6 of 31

SEDIMENT BASIN D

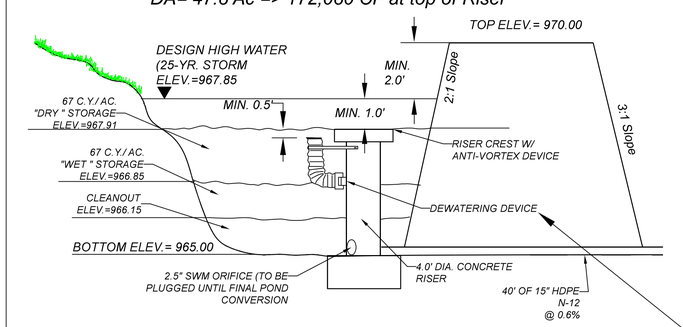




Profile



Profile and Cross Section Views Scale
1"= 30'



INLET AND OUTLET PROTECTION
FOR CULVERTS AND DIVERSION DITCHES
D50 STONE SIZE=0.5'
MAX STONE DIAMETER=0.75'
APRON LENGTH = 9.0'
APRON WIDTH UPSTREAM=3.75'
APRON WIDTH DOWNSTREAM=10.25'
STONE DEPTH = 1.68'

Dewatering Device - Skimmer shall be a Faircloth Manufactured skimmer device with 8" skimmer and 6.1" orifice and installed per the Manufacturers Instructions. See fairclothskimmer.com for details and contact information and Sheet 15 for Details.

REVISIONS

DATE

CHARLES K. WILSON REGISTERED NO. 12493 STATE OF VIRGINIA PROFESSIONAL ENGINEER

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L & W Enterprises Incorporated

THIS DOCUMENT PREPARED FOR WV POULTRY PARTNERS 1, LLC.

SEDIMENT BASIN D
WV POULTRY PARTNERS 1, LLC.
- POULTRY OPERATION
SITE DESIGN, EROSION & SEDIMENT CONTROL PLAN
MOOREFIELD DISTRICT
HARDY COUNTY, WV

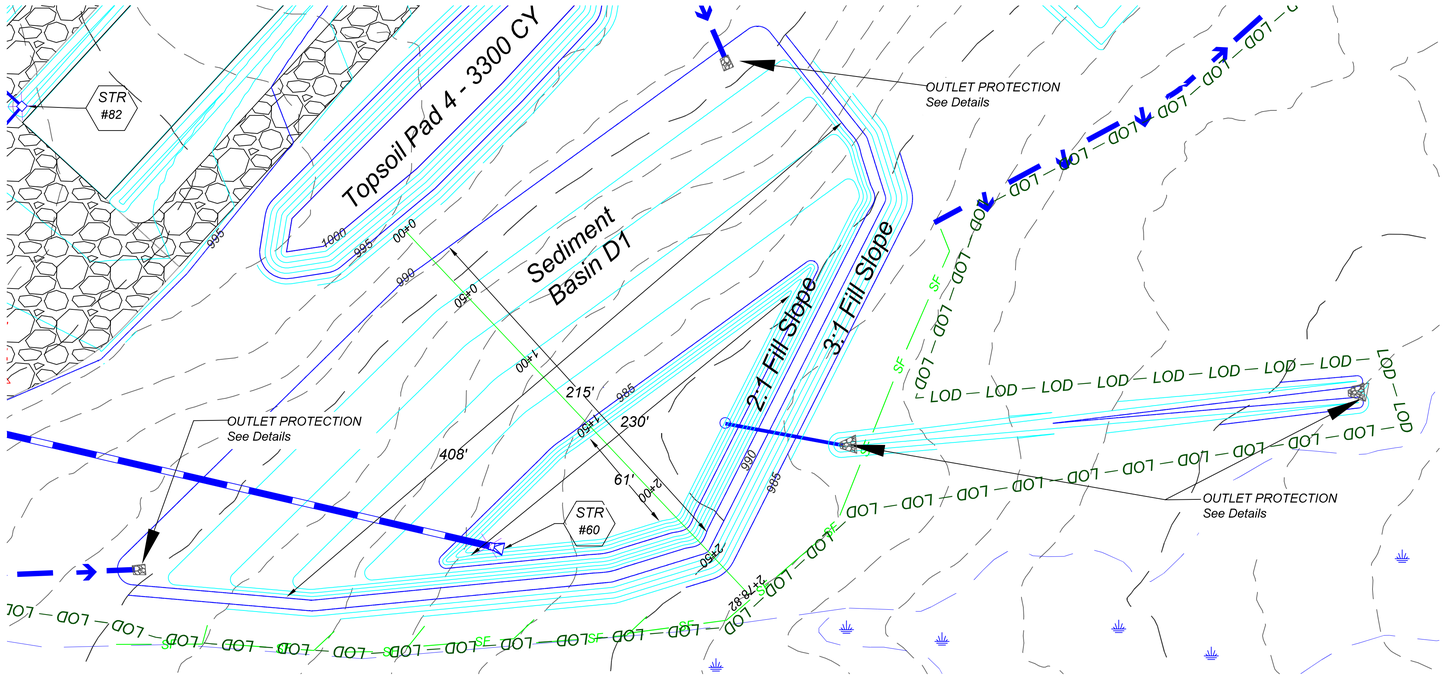
Date: 6/11/19

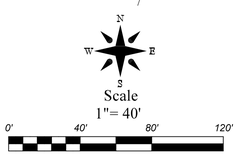
Scale: 1" = 30'/40'

Designed By: CKW

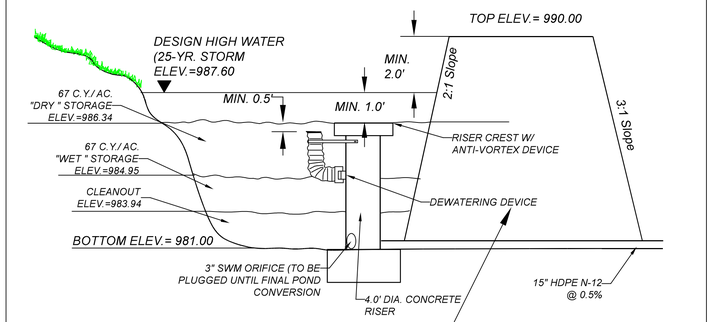
File No. WVPP1 4-19

SEDIMENT BASIN D1





SEDIMENT BASIN SCHEMATIC ELEVATIONS
POND D1
DA= 26.1 Ac => 93,960 CF at top of Riser



DESIGN ELEVATIONS
WITHOUT
EMERGENCY SPILLWAY
(RISER PASSES 25-YR. EVENT)

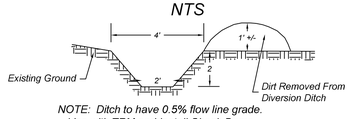
SOURCE: VA. DSWC

PLATE. 3.14-2

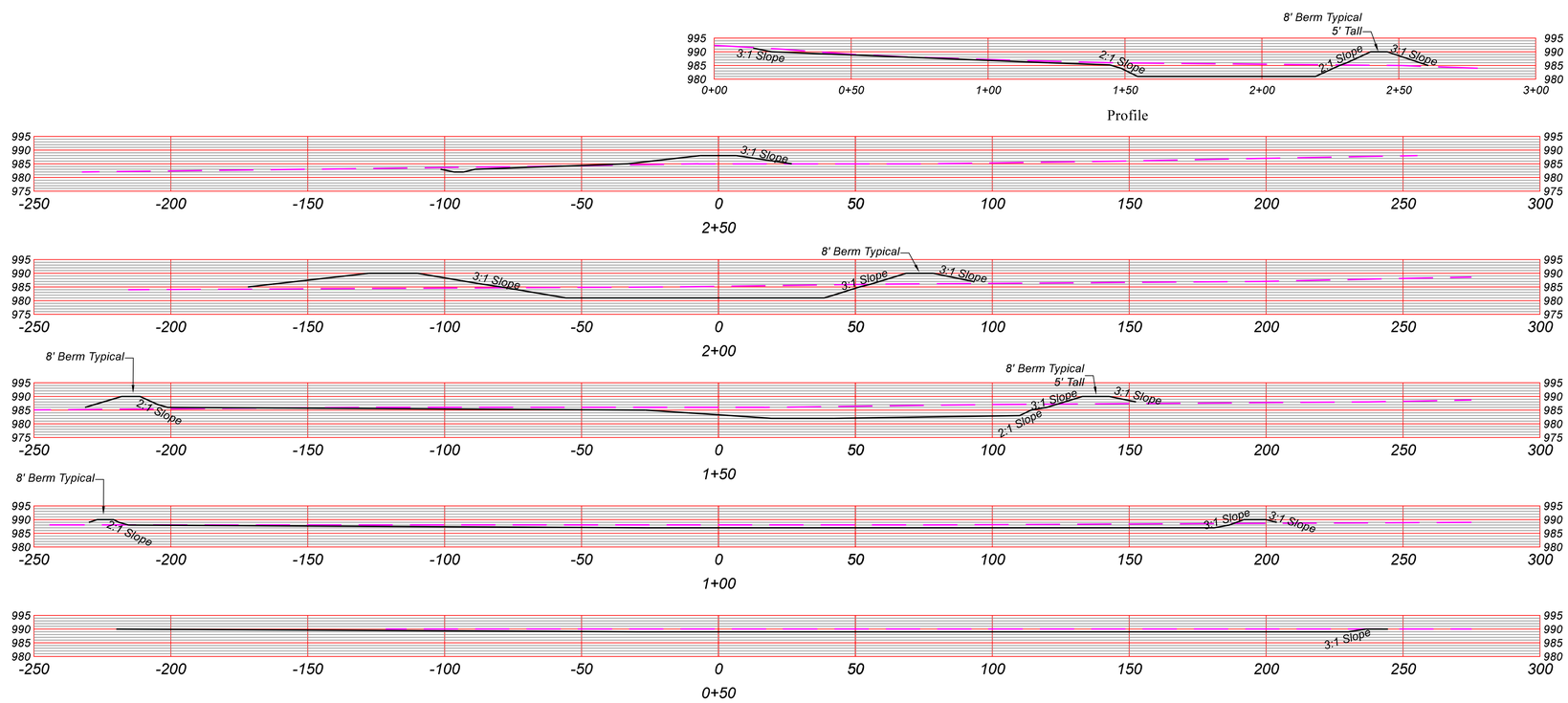
INLET AND OUTLET PROTECTION
FOR CULVERTS AND DIVERSION DITCHES
D50 STONE SIZE=0.5'
MAX STONE DIAMETER=0.75'
APRON LENGTH = 9.0'
APRON WIDTH UPSTREAM=3.75'
APRON WIDTH DOWNSTREAM=10.25'
STONE DEPTH = 1.68'

Dewatering Device - Skimmer shall be a Faircloth Manufactured skimmer device with 5" skimmer and 4.9" orifice and installed per the Manufacturers Instructions. See faircloth skimmer.com for details and contact information and Sheet 15 for Details.

DIVERSION DITCH DETAIL
NTS



NOTE: Ditch to have 0.5% flow line grade.
Line with TRM and Install Check Dams



Profile and Cross Section Views Scale
1"= 25'

REVISIONS

DATE

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FAX: 304-257-2224

THIS DOCUMENT PREPARED FOR WV POULTRY PARTNERS 1, LLC.

SEDIMENT BASIN D 1

WV POULTRY PARTNERS 1, LLC.
- POULTRY OPERATION
SITE DESIGN, EROSION & SEDIMENT CONTROL PLAN
MOOREFIELD DISTRICT
HARDY COUNTY, WV

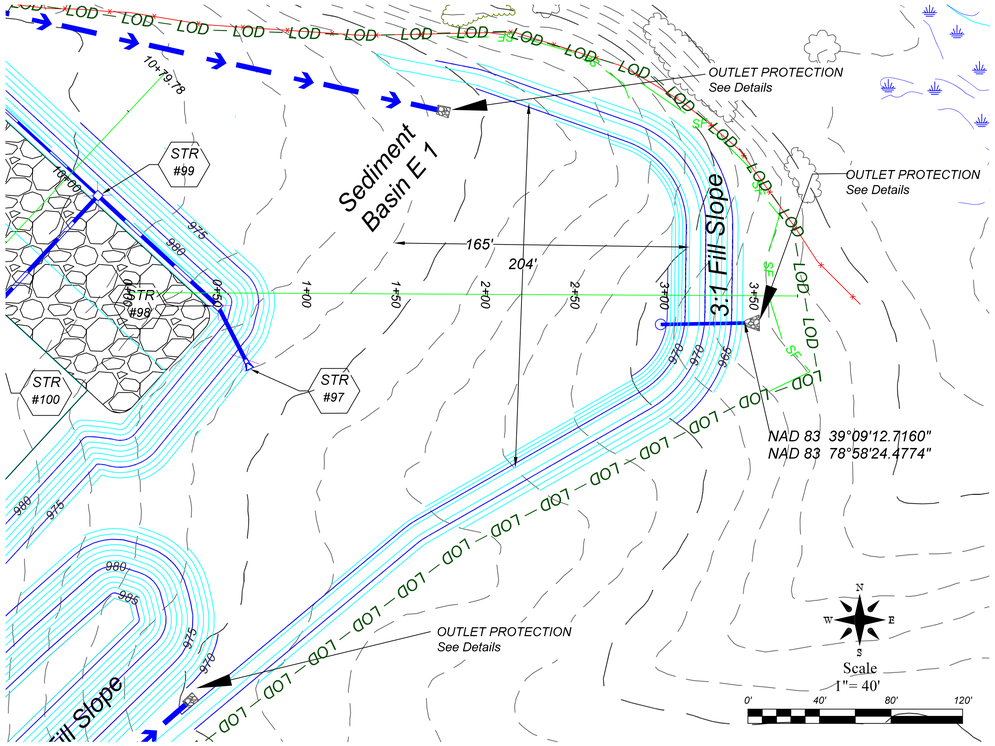
Date: 6/11/19

Scale: 1" = 25'/40'

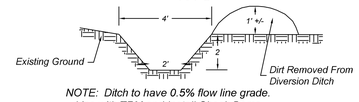
Designed By: CKW

File No. WVPP1 4-19

SEDIMENT BASIN E1

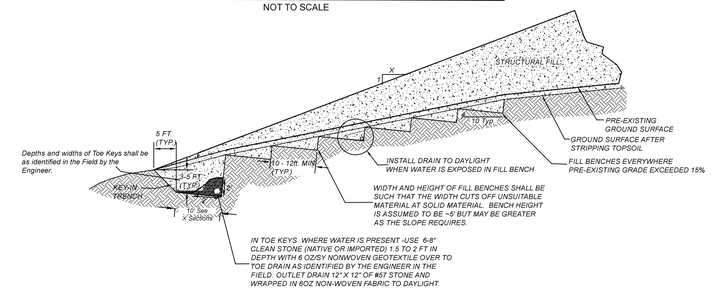


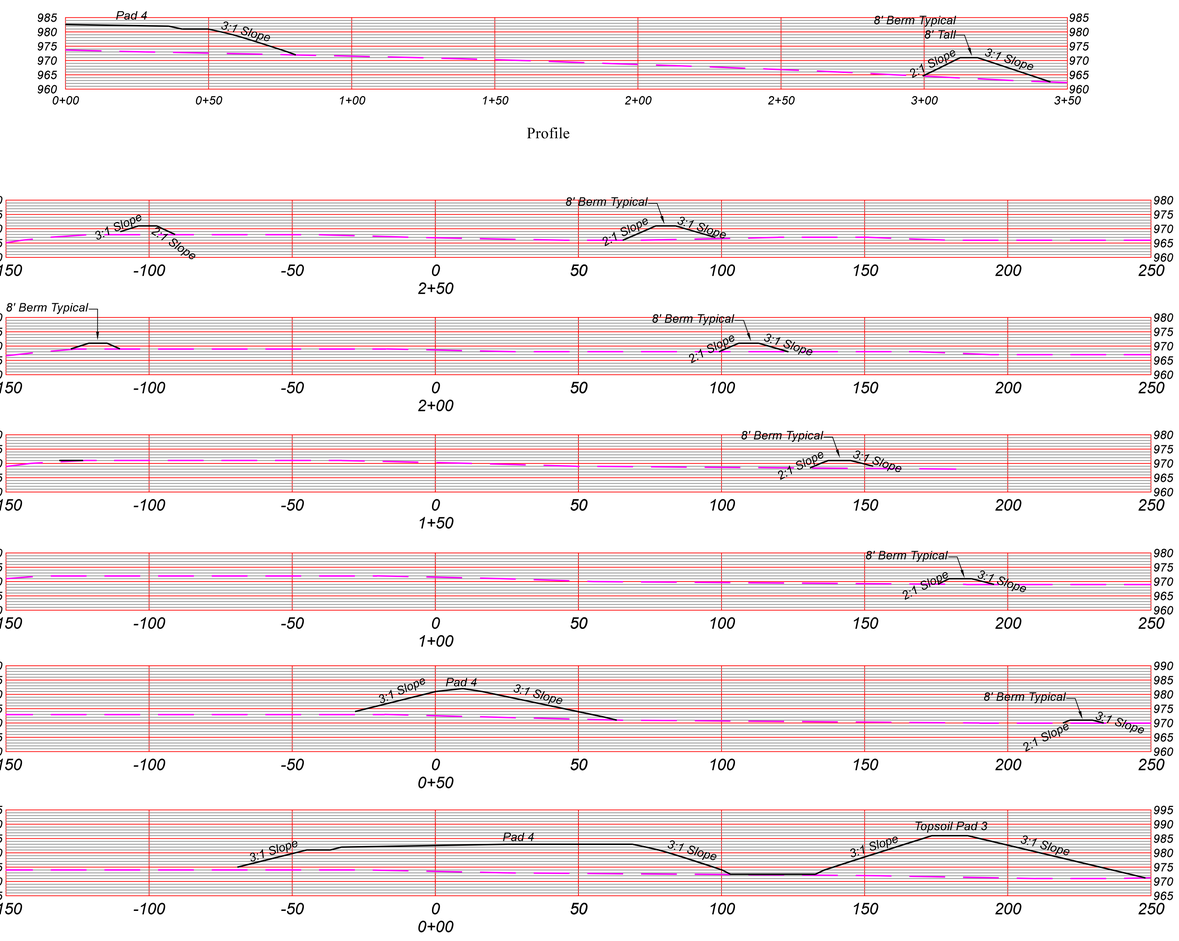
DIVERSION DITCH DETAIL
NTS



NOTE: Ditch to have 0.5% flow line grade.
Line with TRM and Install Check Dams

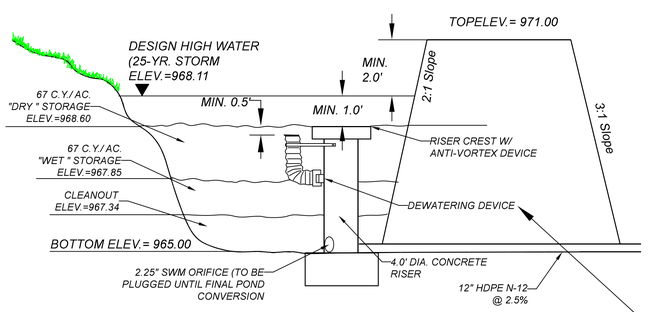
TYPICAL TOE KEY AND FILL BENCH DETAIL
NOT TO SCALE





Profile and Cross Section Views Scale
1"= 25'

SEDIMENT BASIN SCHEMATIC ELEVATIONS
POND E1
DA= 7.9 Ac => 28,440 CF at top of Riser



DESIGN ELEVATIONS
WITHOUT
EMERGENCY SPILLWAY
(RISER PASSES 25-YR. EVENT)

SOURCE: VA. DSWC

PLATE. 3.14-2

Dewatering Device - Skimmer shall be a Faircloth Manufactured skimmer device with 3" skimmer and 3" orifice and installed per the Manufacturers Instructions. See fairclothskimmer.com for details and contact information and Sheet 15 for Details.

INLET AND OUTLET PROTECTION
FOR CULVERTS AND DIVERSION DITCHES
D50 STONE SIZE=0.5'
MAX STONE DIAMETER=0.75'
APRON LENGTH = 9.0'
APRON WIDTH UPSTREAM=3.75'
APRON WIDTH DOWNSTREAM=10.25'
STONE DEPTH = 1.68'

REVISIONS

DATE

CHARLES K. WILSON
REGISTERED
NO. 12493
STATE OF
VIRGINIA
PROFESSIONAL ENGINEER

L&W ENTERPRISES, INC.
PO BOX 826
190 SOUTH GROVE ST.
PETERSBURG, WV 26847
PH: 304-257-4818
FAX: 304-257-2224
EMAIL: KIRKWILSONLW@OUTLOOK.COM

L & W Enterprises Incorporated

THIS DOCUMENT PREPARED FOR WV POULTRY PARTNERS 1, LLC.

SEDIMENT BASIN E 1
WV POULTRY PARTNERS 1, LLC.
- POULTRY OPERATION
SITE DESIGN, EROSION & SEDIMENT CONTROL PLAN
MOOREFIELD DISTRICT
HARDY COUNTY, WV

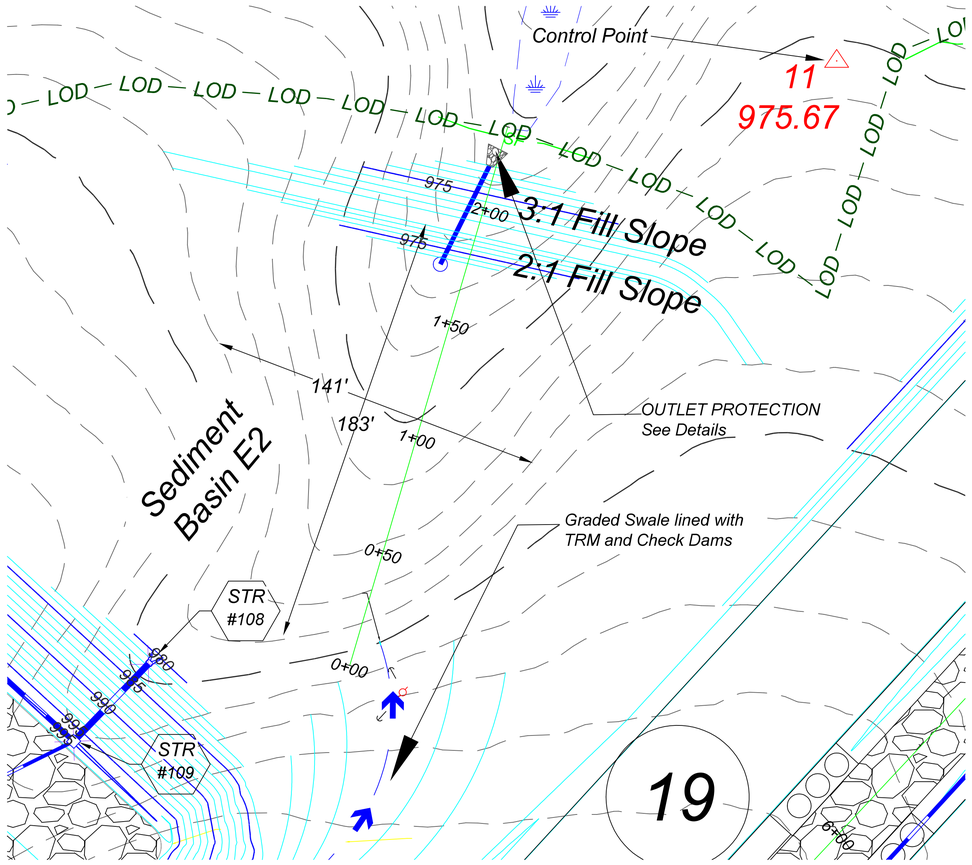
Date: 6/11/19

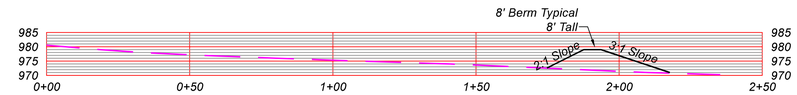
Scale: 1" = 25'/40'

Designed By: CKW

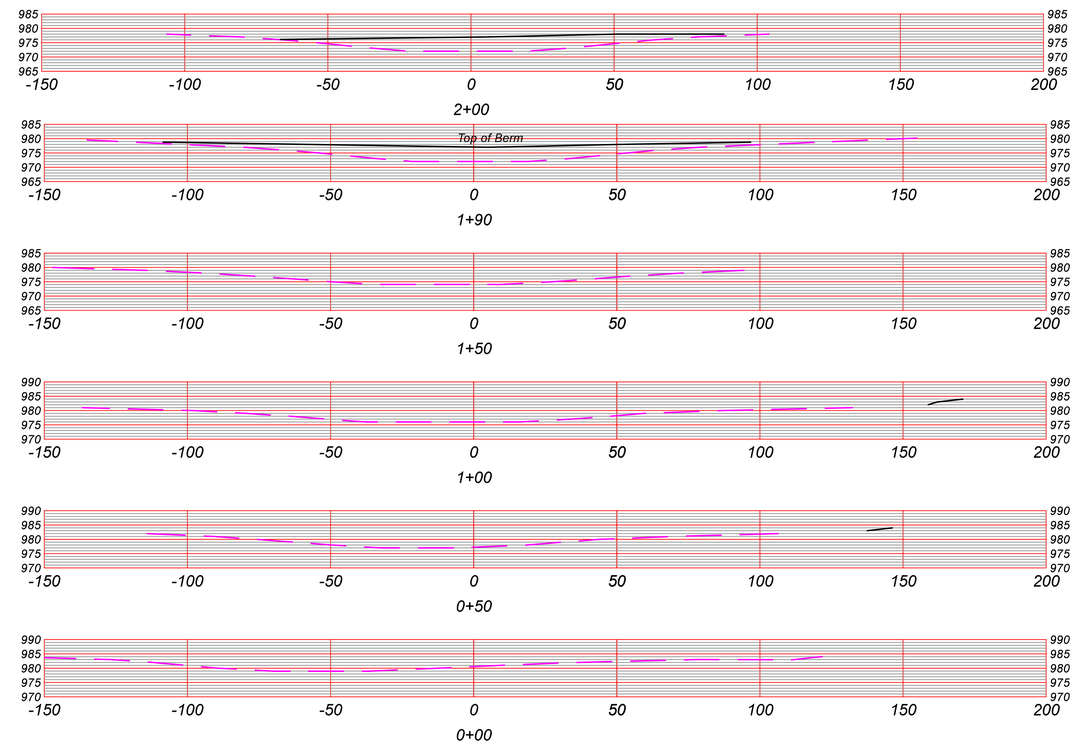
File No. WVPP1 4-19

SEDIMENT BASIN E2



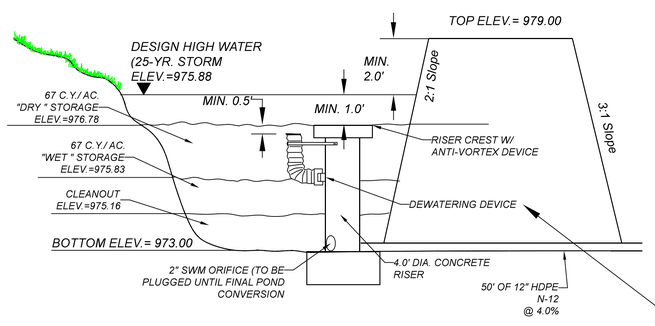


Profile



Profile and Cross Section Views Scale
1"= 25'

SEDIMENT BASIN SCHEMATIC ELEVATIONS
POND E2
DA= 6.6 Ac => 23,760 CF at top of Riser



DESIGN ELEVATIONS
WITHOUT
EMERGENCY SPILLWAY
(RISER PASSES 25-YR. EVENT)

SOURCE: VA. DSWC

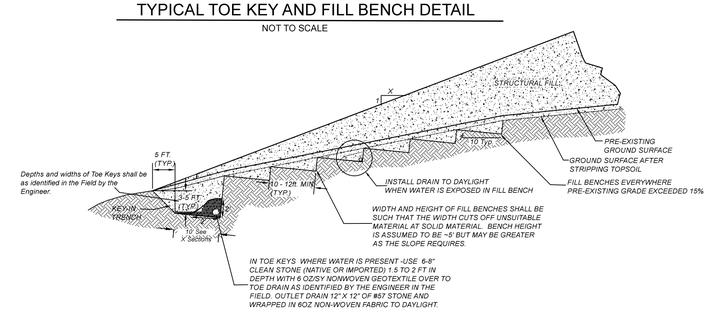
PLATE. 3.14-2

INLET AND OUTLET PROTECTION
FOR CULVERTS AND DIVERSION DITCHES
D50 STONE SIZE=0.5'
MAX STONE DIAMETER=0.75'
APRON LENGTH = 9.0'
APRON WIDTH UPSTREAM=3.75'
APRON WIDTH DOWNSTREAM=10.25'
STONE DEPTH = 1.68'

Dewatering Device - Skimmer shall be a Faircloth Manufactured skimmer device with 3" skimmer and 2.7" orifice and installed per the Manufacturers Instructions. See faircloth skimmer.com for details and contact information and Sheet 15 for Details.

TYPICAL TOE KEY AND FILL BENCH DETAIL

NOT TO SCALE



REVISIONS

DATE

CHARLES K. WILSON
REGISTERED
NO. 12493
STATE OF
VIRGINIA
PROFESSIONAL ENGINEER

L&W ENTERPRISES, INC.
PO BOX 826
190 SOUTH GROVE ST.
PETERSBURG, WV 26847
PH: 304-257-4818
FAX: 304-257-2224
EMAIL: KIRKWILSONLW@OUTLOOK.COM

L & W Enterprises Incorporated

THIS DOCUMENT
PREPARED FOR
WV POULTRY
PARTNERS 1, LLC.

SEDIMENT BASIN E 2
WV POULTRY PARTNERS 1, LLC.
- POULTRY OPERATION
SITE DESIGN, EROSION & SEDIMENT CONTROL PLAN
MOOREFIELD DISTRICT
HARDY COUNTY, WV

Date: 6/11/19

Scale: 1" = 25'/30'

Designed By: CKW

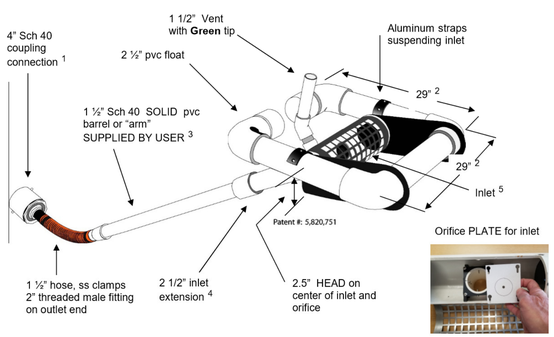
File No. WVPP1 4-19

EROSION AND SEDIMENT CONTROL DETAILS

2.5" *Faircloth Skimmer®* Surface Drain Cut Sheet

J. W. Faircloth & Son, Inc.
www.FairclothSkimmer.com

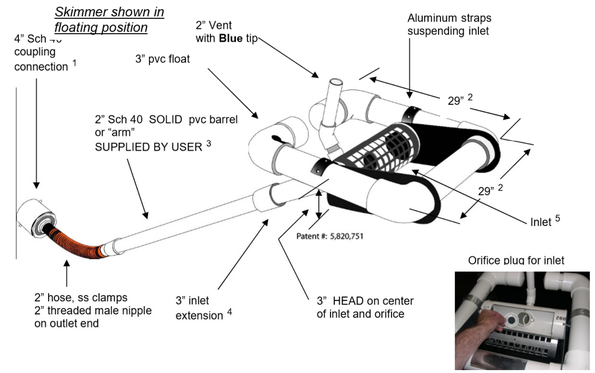
Skimmer shown in floating position

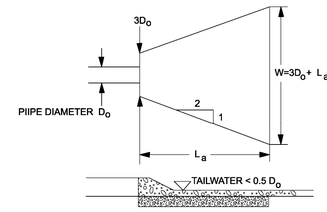


3" *Faircloth Skimmer®* Cut Sheet

J. W. Faircloth & Son, Inc.
www.FairclothSkimmer.com

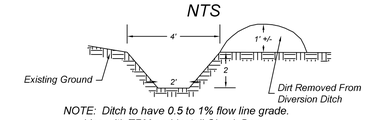
Skimmer shown in floating position





RIP RAP ARPRON OUTLET PROTECTION
MINIMUM TAILWATER CONDITION

DIVERSION DITCH DETAIL
NTS

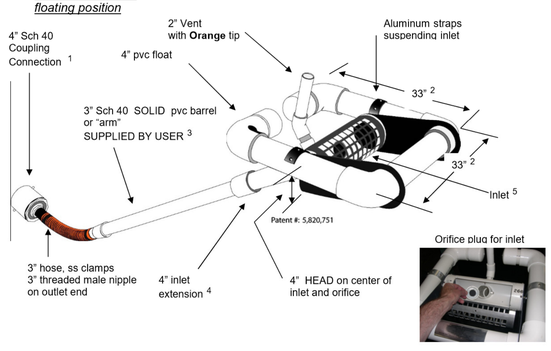


NOTE: Ditch to have 0.5 to 1% flow line grade.
Line with TRM and Install Check Dams

4 " *Faircloth Skimmer®* Surface Drain Cut Sheet

J. W. Faircloth & Son, Inc.
www.FairclothSkimmer.com

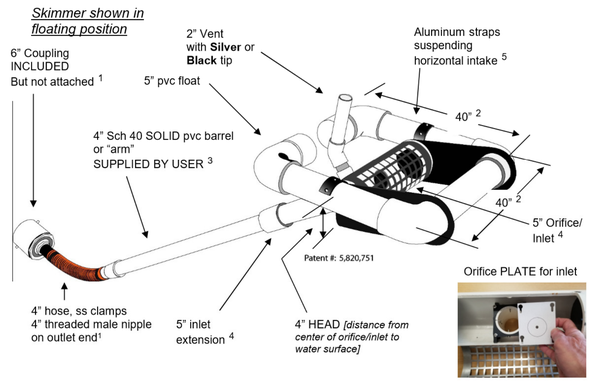
Skimmer shown in floating position



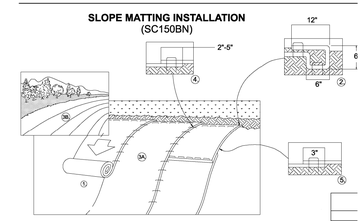
5" *Faircloth Skimmer®* Cut Sheet

J. W. Faircloth & Son, Inc.
www.FairclothSkimmer.com

Skimmer shown in floating position

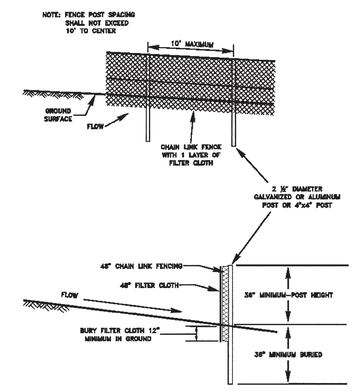


SLOPE MATTING INSTALLATION
(SC150BN)

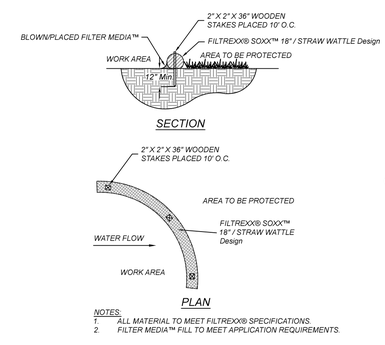


1. SPREAD A MINIMUM OF 6" OF TOPSOIL ONTO SLOPES BEFORE INSTALLATION OF SLOPE MATTING.
2. PREP SOIL BEFORE INSTALLING BLANKETS, INCLUDING APPLICATION OF FERTILIZER, LIME, AND SEED, WHEN NECESSARY.
3. BEGIN AT THE TOP OF THE SLOPE BY SECURING THE BLANKET IN A 6" DEEP X 6" WIDE TRENCH WITH APPROXIMATELY 12" OF BLANKET EXTENDED BEYOND THE UP-SLOPE TRENCH. ANCHOR THE BLANKET WITH A DOUBLE ROW OF STAPLES 6" APART IN THE TRENCH, APPROXIMATELY 12" APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" PORTION OF BLANKET BACK OVER SEED AND COMPACTED SOIL. SECURE BLANKET OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" APART ACROSS THE WIDTH OF THE BLANKET.
4. ROLL THE BLANKETS
   (A.) DOWNHILL
   (B.) HORIZONTALLY ACROSS THE SLOPE. BLANKETS WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE.
5. ALL BLANKETS MUST BE FASTENED TO SOIL SURFACE IN A SECURE MANNER BY PLACING STAPLES/STAKES IN LOCATIONS AS SHOWN IN THE PATTERN GUIDE.
6. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2'-0" OVERLIE DEPENDING ON BLANKET TYPE. TO ENSURE PROPER SEAM POSITION, PLACE THE EDGE OF THE OVERLAPPING BLANKET (BLANKET BEING INSTALLED ON TOP) EVEN WITH THE COLORED SEAM STITCH ON THE PREVIOUSLY INSTALLED BLANKET. FOLLOW MANUFACTURERS RECOMMENDATIONS.
7. SUCCESSIVE BLANKETS SPLICED DOWN THE SLOPE MUST BE PLACED END OVER END WITH AN APPROXIMATE 3' OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" APART ACROSS ENTIRE BLANKET WIDTH.
8. IF SOIL CONDITIONS ARE LOOSE, STAKED OR STAPLED LENGTH GREATER THAN 6" MAY BE NECESSARY TO SECURE THE BLANKETS PROPERLY.

SUPER SILT FENCE



FILTREXX "SOXX" 18" FILTER SOCK AND STRAW WATTLE DETAIL
NTS

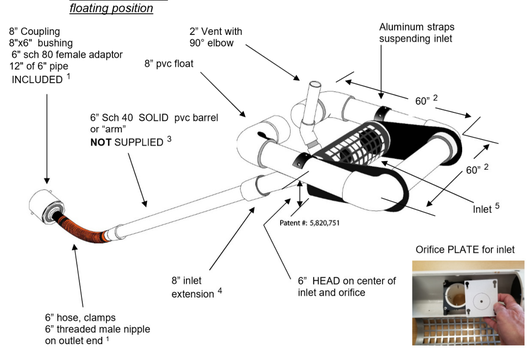


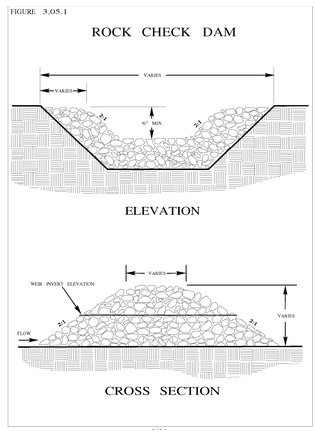
NOTES:
1. ALL MATERIAL TO MEET FILTREXX® SPECIFICATIONS.
2. FILTER MEDIA™ FILL TO MEET APPLICATION REQUIREMENTS.

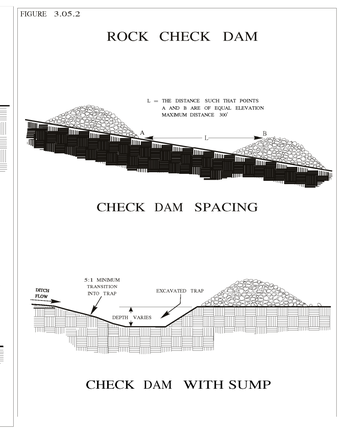
8" *Faircloth Skimmer®* Cut Sheet

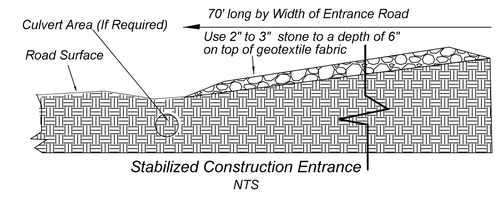
J. W. Faircloth & Son, Inc.
www.FairclothSkimmer.com

Skimmer shown in floating position

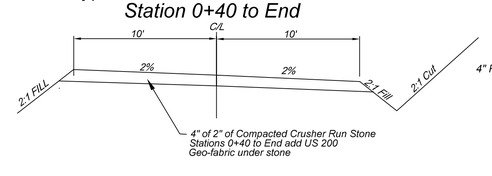




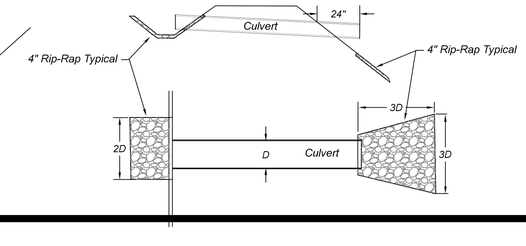




Typical Access Road Cross Section
Station 0+40 to End



TYPICAL CULVERT & CULVERT INLET AND OUTLET PROTECTION DETAIL
NTS



REVISIONS

DATE

CHARLES K. WILSON REGISTERED NO. 12483 STATE OF WEST VIRGINIA PROFESSIONAL ENGINEER

L&W ENTERPRISES, INC.
PO BOX 826
190 SOUTH GROVE ST.
PETERSBURG, WV 26847
PH: 304-257-4818
FAX: 304-257-2224
EMAIL: KIRKWILSONLW@OUTLOOK.COM

L & W Enterprises Incorporated

THIS DOCUMENT PREPARED FOR WV POULTRY PARTNERS 1, LLC.

EROSION AND SEDIMENT CONTROL DETAILS
WV POULTRY PARTNERS 1, LLC.
- POULTRY OPERATION
SITE DESIGN, EROSION & SEDIMENT CONTROL PLAN
MOOREFIELD DISTRICT
HARDY COUNTY, WV

Date: 6/11/19
Scale: NTS
Designed By: CKW
File No. WVPP1 4-19

STORM SEWER STRUCTURE AND PIPE SPECIFICATIONS

STORM SEWER STRUCTURE SCHEDULE						
STR #	Type	Top Elev.	Inv. In	Inv. Out	Height (ft.)	COMMENTS
1	ES-1 24	973.08	971.00 (STR. #2)		0.00'	
2	DI-1	983.01		978.00	5.01'	
3	ES-1 18	979.85	978.29 (STR. #4)		0.00'	
4	ES-1 18	980.06		978.50	0.00'	
5	ES-1 30	987.33	984.75 (STR. #6)		0.00'	
6	DI-1	997.47	991.54 (STR. #15) 986.67 (STR. #7)	986.57	10.90'	INSIDE DROP CONNECTION
7	DI-1	998.09	987.22 (STR. #8) 993.62 (STR. #23)	987.12	10.97'	
8	DI-1	998.09	990.78 (STR. #9) 994.68 (STR. #24)	990.68	7.41'	
9	MH-1	1000.04	991.16 (STR. #10) 991.16 (STR. #25)	991.06	8.98'	
10	MH-1	999.55	991.64 (STR. #11) 991.64 (STR. #27)	991.54	8.01'	
11	DI-1	996.97	992.02 (STR. #12)	991.92	5.05'	
12	DI-1	996.95	992.70 (STR. #13) 992.70 (STR. #29)	992.60	4.35'	
13	DI-1	996.93	993.43 (STR. #14)	993.33	3.60'	
14	DI-1	997.41		994.41	3.00'	
15	DI-1	997.35	992.02 (STR. #16) 992.02 (STR. #19)	991.92	5.43'	
16	DI-1	997.33	992.72 (STR. #17) 992.72 (STR. #21)	992.62	4.71'	
17	DI-1	997.33	993.45 (STR. #18)	993.35	3.98'	
18	DI-1	997.41		993.91	3.50'	
19	DI-1	998.09	994.87 (STR. #20)	994.77	3.32'	
20	DI-1	998.09		995.09	3.00'	
21	DI-1	998.09	994.87 (STR. #22)	994.77	5.32'	
22	DI-1	998.09		995.09	3.00'	
23	DI-1	998.09		995.09	3.00'	
24	DI-1	998.09		995.09	3.00'	
25	DI-1	998.09	994.87 (STR. #26)	994.77	3.32'	
26	DI-1	998.09		995.09	3.00'	
27	DI-1	998.09	994.87 (STR. #28)	994.77	3.32'	
28	DI-1	998.09		995.09	3.00'	
29	DI-1	998.09	994.87 (STR. #30)	994.77	3.32'	
30	DI-1	998.09		995.09	3.00'	
31	ES-1 30	976.48	973.90 (STR. #32)		0.00'	
32	DI-1	984.97	979.15 (STR. #33) 979.15 (STR. #36)	979.05	5.92'	
33	DI-1	983.57	979.91 (STR. #34) 979.91 (STR. #38)	979.81	3.76'	
34	DI-1	983.67	980.67 (STR. #35)	980.57	3.10'	
35	DI-1	986.57		983.82	4.80'	
36	DI-1	984.84	981.62 (STR. #37)	981.52	3.32'	
37	DI-1	984.84		981.84	3.00'	
38	DI-1	984.84	981.62 (STR. #39)	981.52	3.32'	
39	DI-1	984.84		981.84	3.00'	
40	ES-1 30	975.58	973.00 (STR. #41)		0.00'	
41	MH-1	986.00	973.95 (STR. #42)	973.85	12.15'	
42	MH-1	986.49	974.29 (STR. #43)	974.29	12.20'	
43	MH-1	985.48	977.64 (STR. #44)	977.54	7.94'	
44	MH-1	985.48	978.14 (STR. #45) 978.14 (STR. #53)	978.04	7.44'	
45	DI-1	984.02	978.76 (STR. #46) 978.76 (STR. #55)	978.66	5.36'	
46	DI-1	984.02	979.62 (STR. #57) 979.62 (STR. #47)	979.52	4.50'	
47	DI-1	997.41	988.63 (STR. #48)	988.53	8.88'	
48	DI-1	997.41	992.17 (STR. #49)	992.07	5.34'	
49	DI-1	998.64	992.76 (STR. #50)	992.66	5.98'	
50	DI-1	998.65	993.46 (STR. #51) 993.46 (STR. #58)	993.36	5.29'	

STORM SEWER STRUCTURE SCHEDULE						
STR #	Type	Top Elev.	Inv. In	Inv. Out	Height (ft.)	COMMENTS
51	DI-1	998.45	993.92 (STR. #52)	993.82	4.63'	
52	DI-1	997.42		994.42	3.00'	
53	DI-1	984.84	981.62 (STR. #54)	981.52	3.32'	
54	DI-1	984.90		981.84	3.06'	
55	DI-1	984.84	981.62 (STR. #56)	981.52	3.32'	
56	DI-1	984.84		981.84	3.00'	
57	DI-1	984.16		981.16	3.00'	
58	DI-1	998.09	994.87 (STR. #59)	994.77	3.32'	
59	DI-1	998.09		995.09	3.00'	
60	ES-1 42	984.60	981.00 (STR. #61)		0.00'	
61	MH-1	994.30	983.40 (STR. #62) 983.40 (STR. #71)	983.30	11.00'	
62	DI-1	995.31	984.03 (STR. #63) 989.75 (STR. #80) 989.75 (STR. #82)	983.93	11.38'	
63	DI-1	995.92	984.74 (STR. #64) 990.46 (STR. #84) 990.46 (STR. #86)	984.64	11.28'	
64	DI-1	996.52	991.17 (STR. #90) 985.45 (STR. #65) 991.17 (STR. #88)	985.35	11.17'	
65	DI-1	995.59	991.36 (STR. #93) 985.96 (STR. #66)	985.86	9.73'	
66	DI-1	995.59	989.52 (STR. #67) 989.52 (STR. #94)	989.42	6.17'	
67	DI-1	994.85	990.07 (STR. #68)	989.97	4.88'	
68	DI-1	994.85	990.77 (STR. #69) 990.77 (STR. #95)	990.67	4.18'	
69	DI-1	994.85	991.45 (STR. #70)	991.35	3.50'	
70	DI-1	995.34		992.34	3.00'	
71	DI-1	995.97	986.84 (STR. #71 A)	986.74	9.23'	
71 A	DI-1	995.97	988.27 (STR. #72)	988.17	7.80'	
72	DI-1	995.35	989.70 (STR. #73)	989.60	5.75'	
73	DI-1	994.85	990.25 (STR. #74)	990.15	4.70'	
74	DI-1	994.85	990.75 (STR. #75) 990.75 (STR. #78)	990.65	4.20'	
75	DI-1	994.92	991.45 (STR. #76)	991.35	3.58'	
76	DI-1	995.59	992.37 (STR. #77)	992.27	3.32'	
77	DI-1	995.59		992.59	3.00'	
78	DI-1	995.59	992.37 (STR. #79)	992.27	3.32'	
79	DI-1	995.59		992.59	3.00'	
80	DI-1	995.59	992.37 (STR. #81)	992.27	3.32'	
81	DI-1	995.59		992.59	3.00'	
82	DI-1	995.59	992.38 (STR. #83)	992.28	3.31'	
83	DI-1	995.59		992.59	3.00'	
84	DI-1	995.59	992.37 (STR. #85)	992.27	3.32'	
85	DI-1	995.59		992.59	3.00'	
86	DI-1	995.59	992.38 (STR. #87)	992.28	3.31'	
87	DI-1	995.59		992.59	3.00'	
88	DI-1	995.59	992.38 (STR. #89)	992.28	3.31'	
89	DI-1	995.59		992.59	3.00'	
90	DI-1	997.00	991.74 (STR. #91)	991.64	5.36'	
91	DI-1	995.59	992.19 (STR. #92)	992.09	3.50'	
92	DI-1	995.59		992.59	3.00'	
93	DI-1	995.59		992.59	3.00'	
94	DI-1	995.59		992.59	3.00'	
95	DI-1	995.59	992.37 (STR. #96)	992.27	3.32'	
96	DI-1	995.59		992.59	3.00'	
97	ES-1 24	973.08	971.00 (STR. #98)		0.00'	
98	DI-1	980.92	972.15 (STR. #99)	972.05	8.87'	
99	DI-1	980.86	972.71 (STR. #105) 972.71 (STR. #100)	972.61	8.25'	

STORM SEWER STRUCTURE SCHEDULE						
STR #	Type	Top Elev.	Inv. In	Inv. Out	Height (ft.)	COMMENTS
100	DI-1	981.59	973.26 (STR. #106) 973.26 (STR. #101)	973.16	8.43'	
101	DI-1	981.59	976.82 (STR. #102) 976.82 (STR. #107)	976.72	4.87'	
102	DI-1	981.11	977.46 (STR. #103) 977.46 (STR. #104)	977.36	3.75'	
103	DI-1	981.01		978.01	3.00'	
104	DI-1	980.90		977.90	3.00'	
105	DI-1	980.81		977.81	3.00'	
106	DI-1	981.59		978.59	3.00'	
107	DI-1	981.59		978.59	3.00'	
108	ES-1 30	982.30	979.72 (STR. #109)		0.00'	
109	DI-1	994.76	990.08 (STR. #110) 990.08 (STR. #114)	989.98	4.78'	
110	DI-1	994.76	990.96 (STR. #111) 990.96 (STR. #116)	990.86	3.90'	
111	DI-1	996.15	991.64 (STR. #112)	991.54	4.61'	
112	DI-1	995.59	992.19 (STR. #113)	992.09	3.50'	
113	DI-1	995.59		992.59	3.00'	
114	DI-1	995.59	992.38 (STR. #115)	992.28	3.31'	
115	DI-1	995.59		992.59	3.00'	
116	DI-1	995.59	992.38 (STR. #117)	992.28	3.31'	
117	DI-1	995.59		992.59	3.00'	

STORM SEWER PIPE SCHEDULE																	
From STR #	To STR #	SIZE	LENGTH	SLOPE	MATERIAL	From STR #	To STR #	SIZE	LENGTH	SLOPE	MATERIAL	From STR #	To STR #	SIZE	LENGTH	SLOPE	MATERIAL
2	1	24"	60.93'	11.49%	HDPE (N-12)	55	45	15"	92.30'	2.99%	HDPE (N-12)	105	99	15"	134.36'	3.80%	HDPE (N-12)
4	3	18"	42.94'	0.50%	HDPE (N-12)	57	46	15"	92.74'	1.66%	HDPE (N-12)	109	108	30"	51.13'	20.07%	HDPE (N-12)
6	5	30"	83.30'	2.18%	HDPE (N-12)	58	59	15"	43.24'	0.50%	HDPE (N-12)	110	109	24"	156.46'	0.50%	HDPE (N-12)
7	23	15"	43.24'	3.40%	HDPE (N-12)	58	50	15"	94.45'	1.39%	HDPE (N-12)	111	110	18"	116.35'	0.50%	HDPE (N-12)
7	6	30"	90.79'	0.50%	HDPE (N-12)	61	60	42"	298.77'	0.77%	HDPE (N-12)	112	113	15"	43.00'	0.93%	HDPE (N-12)
8	24	15"	43.24'	0.95%	HDPE (N-12)	62	61	42"	105.19'	0.50%	HDPE (N-12)	112	111	18"	90.76'	0.50%	HDPE (N-12)
8	7	30"	691.00'	0.50%	HDPE (N-12)	63	62	36"	121.15'	0.50%	HDPE (N-12)	114	115	15"	42.99'	0.50%	HDPE (N-12)
8	9	30"	55.50'	0.50%	HDPE (N-12)	64	63	36"	121.15'	0.50%	HDPE (N-12)	114	109	15"	97.20'	2.26%	HDPE (N-12)
10	9	30"	76.37'	0.50%	HDPE (N-12)	65	93	15"	43.02'	2.86%	HDPE (N-12)	116	117	15"	42.99'	0.50%	HDPE (N-12)
11	10	24"	55.01'	0.50%	HDPE (N-12)	65	64	30"	82.61'	0.50%	HDPE (N-12)	116	110	15"	90.72'	1.46%	HDPE (N-12)
12	11	24"	115.29'	0.50%	HDPE (N-12)	66	65	30"	691.00'	0.50%	HDPE (N-12)						
13	12	18"	126.06'	0.50%	HDPE (N-12)	66	94	15"	43.02'	7.14%	HDPE (N-12)						
14	13	15"	112.52'	0.87%	HDPE (N-12)	66	67	24"	90.48'	0.50%	HDPE (N-12)						
15	6	24"	75.98'	0.50%	HDPE (N-12)	68	67	24"	119.04'	0.50%	HDPE (N-12)						
16	15	24"	119.03'	0.50%	HDPE (N-12)	69	68	18"	116.89'	0.50%	HDPE (N-12)						
17	16	18"	126.75'	0.50%	HDPE (N-12)	70	69	15"	91.71'	0.97%	HDPE (N-12)						
18	17	18"	92.58'	0.50%	HDPE (N-12)	71	61	24"	310.97'	1.07%	HDPE (N-12)						
19	20	15"	43.00'	0.50%	HDPE (N-12)	71 A	71	24"	265.29'	0.50%	HDPE (N-12)						
19	15	18"	90.45'	3.04%	HDPE (N-12)	72	71 A	24"	265.28'	0.50%	HDPE (N-12)						
21	22	15"	43.00'	0.50%	HDPE (N-12)	73	72	24"	89.00'	0.50%	HDPE (N-12)						
21	16	15"	90.46'	2.27%	HDPE (N-12)	74	73	24"	80.95'	0.50%	HDPE (N-12)						
25	26	15"	43.24'	0.50%	HDPE (N-12)	75	74	18"	119.03'	0.50%	HDPE (N-12)						
25	9	15"	57.50'	6.28%	HDPE (N-12)	76	77	15"	43.02'	0.50%	HDPE (N-12)						
27	28	15"	43.00'	0.50%	HDPE (N-12)	76	75	15"	90.49'	0.91%	HDPE (N-12)						
27	10	15"	55.55'	5.63%	HDPE (N-12)	78	79	15"	43.02'	0.50%	HDPE (N-12)						
29	30	15"	43.00'	0.50%	HDPE (N-12)	78	74	15"	90.49'	1.68%	HDPE (N-12)						
29	12	15"	110.43'	1.87%	HDPE (N-12)	80	81	15"	43.02'	0.50%	HDPE (N-12)						
32	31	30"	52.19'	9.87%	HDPE (N-12)	80	62	15"	127.98'	1.97%	HDPE (N-12)						
33	32	24"	132.16'	0.50%	HDPE (N-12)	82	83	15"	42.99'	0.50%	HDPE (N-12)						
34	33	18"	132.15'	0.50%	HDPE (N-12)	82	62	15"	128.46'	1.97%	HDPE (N-12)						
35	34	15"	167.34'	1.88%	HDPE (N-12)	84	85	15"	43.02'	0.50%	HDPE (N-12)						
36	37	15"	43.00'	0.50%	HDPE (N-12)	84	63	15"	105.29'	1.72%	HDPE (N-12)						
36	32	15"	116.98'	2.03%	HDPE (N-12)	86	87	15"	42.99'	0.50%	HDPE (N-12)						
38	39	15"	43.00'	0.50%	HDPE (N-12)	86	63	15"	105.76'	1.72%	HDPE (N-12)						
38	33	18"	110.78'	1.45%	HDPE (N-12)	88	89	15"	43.00'	0.50%	HDPE (N-12)						
41	40	30"	52.44'	1.62%	HDPE (N-12)	88	64	15"	83.08'	1.34%	HDPE (N-12)						
42	41	30"	67.57'	0.50%	HDPE (N-12)	90	64	18"	94.94'	0.50%	HDPE (N-12)						
43	42	30"	649.07'	0.50%	HDPE (N-12)	91	92	15"	43.02'	0.93%	HDPE (N-12)						
44	43	30"	79.61'	0.50%	HDPE (N-12)	91	90	18"	69.74'	0.50%	HDPE (N-12)						
45	44	30"	103.06'	0.50%	HDPE (N-12)	95	96	15"	43.02'	0.50%	HDPE (N-12)						
46	45	30"	151.53'	0.50%	HDPE (N-12)	95	68	15"	90.49'	1.66%	HDPE (N-12)						
47	46	30"	115.88'	7.69%	HDPE (N-12)	98	97	24"	39.49'	2.66%	HDPE (N-12)						
48	47	30"	687.56'	0.50%	HDPE (N-12)	99	98	24"	91.13'	0.50%	HDPE (N-12)						
49	48	30"	97.48'	0.50%	HDPE (N-12)	100	106	15"	43.00'	12.40%	HDPE (N-12)						
50	49	30"	120.75'	0.50%	HDPE (N-12)	100	99	24"	90.56'	0.50%	HDPE (N-12)						
51	50	24"	71.14'	0.50%	HDPE (N-12)	101	100	18"	691.00'	0.50%	HDPE (N-12)						
52	51	18"	100.34'	0.50%	HDPE (N-12)	101	107	15"	43.00'	4.12%	HDPE (N-12)						
53	54	15"	43.00'	0.50%	HDPE (N-12)	101	102	18"	108.79'	0.50%	HDPE (N-12)						
53	44	15"	82.43'	4.10%	HDPE (N-12)	102	104	15"	88.88'	0.50%	HDPE (N-12)						
55	56	15"	43.00'	0.50%	HDPE (N-12)	103	102	15"	96.99'	0.57%	HDPE (N-12)						

REVISIONS

DATE

CHARLES K. WILSON REGISTERED NO. 12483 STATE OF WEST VIRGINIA PROFESSIONAL ENGINEER

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THIS DOCUMENT PREPARED FOR WV POULTRY PARTNERS 1, LLC.

STORM SEWER STRUCTURE AND PIPE SPECIFICATIONS

WV POULTRY PARTNERS 1, LLC.
- POULTRY OPERATION
SITE DESIGN, EROSION & SEDIMENT CONTROL PLAN
MOOREFIELD DISTRICT
HARDY COUNTY, WV

Date: 6/11/19

Scale: NTS

Designed By: CKW

File No. WVPP1 4-19