

BEFORE THE ILLINOIS POLLUTION CONTROL BOARD

IN THE MATTER OF:)	
)	AS 2021-008
PETITION OF AMEREN ENERGY MEDINA)	
VALLEY COGEN, LLC (OLD MEREDOSIA))	
FOR ADJUSTED STANDARDS)	(Adjusted Standard-Land)
FROM 35 ILL ADM. CODE Part 845)	

NOTICE OF ELECTRONIC FILING

To: See attached service list.

PLEASE TAKE NOTICE that I have today filed with the Office of the Clerk of the Illinois Pollution Control Board the attached RECOMMENDATION of the Illinois Environmental Protection Agency and a CERTIFICATE OF SERVICE, copies of which are herewith served upon you.

Dated: August 4, 2023

Respectfully submitted,
ILLINOIS ENVIRONMENTAL
PROTECTION AGENCY,

Illinois Environmental Protection Agency
1021 North Grand Avenue East
P.O. Box 19276
Springfield, IL 62794-9276
(217) 782-5544
Sara.Terranova@Illinois.gov

Respondent,

BY: /s/Sara Terranova
Sara Terranova

THIS FILING IS SUBMITTED ELECTRONICALLY

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) AS 2021-008
PETITION OF AMEREN ENERGY MEDINA)
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FOR ADJUSTED STANDARDS) (Adjusted Standard-Land)
FROM 35 ILL ADM. CODE Part 845)

RECOMMENDATION

NOW COMES the Illinois Environmental Protection Agency (hereinafter “Illinois EPA” or “Agency”) by one of its attorneys, and pursuant to 35 Ill. Adm. Code §104.416, hereby submits the Agency’s Recommendation to the Illinois Pollution Control Board (“Board”) in response to the Petition of Ameren Energy Medina Valley Cogen, LLC (“Ameren” or “Petitioner”) regarding the Old Ash Pond (“Old Meredosia”) located at the Meredosia Power Station in Morgan County, Illinois. For the reasons stated below, Illinois EPA recommends that the Board DENY Petitioner’s request for an adjusted standard from 35 Ill. Adm. Code 845 (“Part 845”) and DENY Petitioner’s request for a finding of inapplicability of Part 845. In support of its Recommendation, the Illinois EPA states as follows:

BACKGROUND

1. Pursuant to 415 ILCS 5/22.59(g)(1), the Board was directed to adopt rules for coal combustion residuals (“CCR”) surface impoundments “at least as protective and comprehensive” as Subpart D of 40 CFR 257 (“Part 257”) and to use Part 257 “as a baseline.” 415 ILCS 5/22.59(g)(1) and *In the Matter of: Standards for Disposal of Coal Combustion Residuals in Surface Impoundments: Proposed New 35 Ill. Adm. Code 845, R20-19* (“R20-19”), Order (February 4, 2021), at 11.

2. On April 15, 2021, the Board adopted new regulations providing standards for disposal of CCR in surface impoundments at 35 Ill. Adm. Code 845 (“Part 845”). R20-19, Final Order (April 15, 2021). The Part 845 rules became effective on April 21, 2021. 45 Ill. Reg. 5884 (May 7, 2021).

3. Independent of the federal rule, Part 845 complies with the statutory mandate in 415 ILCS 5/22.59(g)(1) and is based on Part 257 and written with “at least the same protection and comprehensiveness” as Part 257. R20-19, Order (February 4, 2021), at 11.

4. On May 11, 2021, Petitioner filed a “Petition for an Adjusted Standards” (“Petition” or “Pet.”). Petitioner requested “adjustments to all sections of 35 Ill. Admin. Code Part 845, effective April 21, 2021, and, in lieu thereof, requests that Old Meredosia be recognized as closed and that it continues to be part of the groundwater monitoring network as applicable to the Bottom Ash and Fly Ash CCRSI, as approved by the IEPA for the Meredosia Station Closure Plan – and as will be applicable to the Bottom Ash and Fly Ash CCRSIs’ Part 845 post-closure care operational permit.” Pet. at 4. In the alternative, Ameren seeks a finding of inapplicability that Old Meredosia is not a CCR surface impoundment as defined in the Illinois Environmental Protection Act, 415 ILCS 5/3.143. Pet. at 12.

5. On April 28, 2023, Petitioner filed an “Amended Petition for Adjusted Standards from Part 845” (“Amended Petition” or “Amd. Pet.”) stating Part 845 does not apply to Old Meredosia “as Old Meredosia ceased operation and closed in the early 1970’s, over fifty years ago, prior to jurisdictional oversight an any state or federal law.” *See*, Amd. Pet. at 3. In the alternative, Ameren requests that the Board grant an Adjusted Standard which exempts Old Meredosia from all Subparts of Part 845 except Subpart I (Financial Assurance) and Section 845.760(h). *See* Amd. Pet. at 34

6. Illinois EPA must make a recommendation to the Board as to the disposition of the Petition within 45 days after the filing of the petition or at least 30 days before a hearing, unless otherwise ordered by the hearing officer or Board. 35 Ill. Adm. Code §104.416. Pursuant to Motions for Extension of Time, the Board has ordered that the Agency file its Recommendation by August 4, 2023.

7. Illinois EPA will address Petitioner's request for a finding of inapplicability from Part 845 first, and then the request for an adjusted standard exempting the ponds at issue from Part 845 requirements.

I. REQUEST FOR FINDING OF INAPPLICABILITY

DEFINITIONS

8. A "CCR surface impoundment" is defined as a natural topographic depression, man-made excavation, or diked area, which is designed to hold an accumulation of CCR and liquids, and the surface impoundment treats, stores, or disposes of CCR. *See* 415 ILCS 5/3.143, 35 Ill. Adm. Code 845.120.

9. An "Inactive CCR surface impoundment" is defined as a CCR surface impoundment in which CCR was placed before but not after October 19, 2015 and still contains CCR on or after October 15, 2015." Inactive CCR surface impoundments may be located at an active facility or an inactive facility. 35 Ill. Adm. Code 845.120.

RELEVANT FEDERAL GUIDANCE

10. Part 845's scope is dictated by the General Assembly's mandate to the Board in Section 22.59 (415 ILCS 5/22.59). Section 22.59(g) directs the Board to adopt rules for "CCR surface impoundments"—a term defined in the Act—using USEPA's Part 257 as a baseline. 415 ILCS 5/22.59(g)." *See* R20-19, Order (February 4, 2021), at 11.

11. Because Part 845 was based on Part 257 (*see Id.*), written with the same protection and comprehensiveness as Part 257 (*see* 415 ILCS 5/22.59(g)(1)), and because the definition of a CCR surface impoundment in Section 845.120 mirrors the federal definition in Part 257, one must look to the preamble of Part 257 to examine the intended applicability of the definition of a CCR surface impoundment.

12. On April 17, 2015, 40 CFR 257 was published as a Final Rule in the Federal Register. 80 Fed. Reg. 21357 (April 17, 2015). In addition to the final rule language, the United States Environmental Protection Agency (“U.S. EPA”) provided detailed guidance on the definition of a CCR surface impoundment and the types of units subject to the rule. *Id.*

13. With the intention of providing a clarified definition of a CCR surface impoundment, U.S. EPA provided that a CCR surface impoundment must meet three criteria: (1) The unit is a natural topographic depression, man-made excavation, or diked area; (2) the unit is designed to hold an accumulation of CCR and liquid; and (3) the unit treats, stores, or disposes of CCR¹. *Id.*

14. What’s more, U.S. EPA went on to provide examples of units that are CCR surface impoundments and examples of units that are not surface impoundments: “Examples of CCR surface impoundments are holding, storage, settling and aeration pits, ponds, and lagoons.” *Id.* “CCR surface impoundments do not include cooling water ponds, process water ponds, wastewater treatment ponds, storm water hold ponds or aeration ponds – as they are not designed to hold an accumulation of CCR.” *Id.*

15. Finally, U.S. EPA stated “[T]he final definition [of a CCR surface impoundment] makes extremely clear the impoundments that are covered by the rule, so an owner or operator will be able to easily discern whether a particular unit is a CCR surface impoundment.” *Id.*

¹ Section 845.120 mirrors this language.

OLD MEREDOSIA IS A CCR SURFACE IMPOUNDMENT

16. The Agency agrees with U.S. EPA that it is easily discernable whether a particular unit is a CCR surface impoundment. The definition of a CCR surface impoundment is extremely clear which impoundments are subject to Part 845. Therefore, the Agency has applied the criteria of a CCR surface impoundment to Old Meredosia.

17. Old Meredosia is a CCR surface impoundment. This is demonstrated through the facts provided in the Amended Petition and because Old Meredosia is a type of facility intended to be covered by the definition of a CCR surface impoundment.

18. Old Meredosia is man-made and was designed to receive sluiced CCR and liquids. *See* Amd. Pet. at 8. Contrary to the Petitioner's assertion that Old Meredosia has a convex surface (*See* Amd. Petition at 14), a topographic map of the surface of Old Meredosia indicates that approximately the southern half of Old Meredosia forms a closed topographic structure still capable of impounding liquid, in addition to storing CCR. *See* Petitioner's Ex. 2, p 869/1169 pdf.

19. This position is supported in the 2018 USWAG decision. *Util. Solid Waste Activities Grp. v. EPA*, 901 F.3d 414, 438-42 (2018). There, the D.C. Court of Appeals addressed a similar joining of the present tense "is" and the past tense "disposed of." *Id.* The Agency draws an applicable parallel here, wherein, in its discussion, the Court states the following:

To divine its proper meaning, we must interpret the operative phrase "is disposed of" as a whole. Importantly, while the "is" retains its active present tense, the "disposal" takes the form of a past participle ("disposed"). In this way, the disposal itself can exist (it "is"), even if the act of disposal took place at some prior time. 901 F.3d 414, 438-42.

20. Similarly, "designed" is the past tense of "design," while "is" allows the design to exist even if the initial design was in the past. Therefore, since Old Meredosia was designed to hold an

accumulation of CCR and liquids, Old Meredosia *is* designed to hold an accumulation of CCR and liquids.

21. Further, a CCR surface impoundment need not “hold” liquids during its entire active life to meet the definition of CCR surface impoundment found in Part 845. 35 Ill. Adm. 845. The definition states in part “...is designed to hold an accumulation of CCR and liquids...”.

22. Therefore, the intended function of a manmade excavation or natural topographic depression, either with or without the use of embankments, is relevant. The word “hold” is a verb defined as “to enclose and keep in a container or within bounds” or “prevent from leaving or getting away.” Synonyms include “keep” or “retain.” The act of keeping or retaining can be a temporary condition. The extent to which liquids are held within an impoundment is dependent upon several factors, including its design, use, and the permeability of the bottom of the impoundment and groundwater elevation. Old Meredosia was never lined and is located on alluvial sand and gravel as displayed in boring logs (*See* Pet. Ex 2 at 704-711/1169 pdf), allowing rapid infiltration of liquids from the impoundment, making the time liquids were retained short.

23. Finally, as a settling pond, Old Meredosia is the type of unit U.S. EPA as intended to be covered by the definition of a CCR surface impoundment. 88 Fed Reg at 21357. Old Meredosia is a settling pond that received sluiced CCR and liquids. *See* Amd. Petition at 8.

24. Although Old Meredosia had soils sluiced on to it and was graded (*See* Pet. Ex. 2 at 622/1169 pdf), Old Meredosia still remains a CCR surface impoundment. Old Meredosia is a man-made excavation, is designed to hold an accumulation of CCR and liquids and the CCR surface impoundment stores or disposes of CCR. Therefore, Old Meredosia is a CCR surface impoundment.

OLD MEREDOSIA IS AN INACTIVE CCR SURFACE IMPOUNDMENT

25. Old Meredosia is a CCR surface impoundment that stopped receiving CCR in the early 1970's. *See* Amd. Petition at 3. Therefore, Old Meredosia is an inactive CCR surface impoundment because it is a CCR surface impoundment in which CCR was placed before but not after October 19, 2015 and still contains CCR on or after October 19, 2015 and is located at an inactive facility. 35 Ill. Adm. Code 845.120.

26. Furthermore, no documentation, permit, permit application, Agency approved plan or other evidence has been presented to the Agency showing that Old Meredosia was covered in a manner that would control, minimize or eliminate infiltration to the maximum extent feasible as required by Section 845.750(a)(1) of the Board regulations. Boring logs from within Old Meredosia display only sand overlaying CCR in two of the logs, one foot each of sand and clay at a third location and one and a half feet of sandy clay at the fourth location. *See* Pet. Ex. 2, at 704-711/1169 pdf.

II. REQUIRED ADJUSTED STANDARD ANALYSIS

27. Illinois EPA's Recommendation must set forth the rationale for the Agency's position and may present any information which the Agency believes is relevant to the Board's consideration of the proposed adjusted standard. 35 Ill. Adm. Code §104.416(a). At a minimum, the Agency must address and respond to the petition with respect to each issue raised by the requirements of Section 104.406(a) through (j). 35 Ill. Adm. Code § 104.416(b).

28. Illinois EPA hereby provides its analysis of the Petitioner's request for an adjusted standard from Part 845.

35 Ill Adm. Code 104.406(a). A statement describing the standard from which an adjusted standard is sought. This must include the Illinois Administrative Code citation to the regulation of general applicability imposing the standard as well as the effective date of that regulation;

29. Ameren requests a determination by the Board that Old Meredosia is not jurisdictionally subject to Part 845, or alternatively an adjusted standard from provisions of Part 845 that implicate potential closure and post-closure care. *See* Amd. Petition at 9. The Petitioner does not provide the Part 845's effective date under its 35 Ill. Adm. Code 104.406(a) analysis, which became effective on April 21, 2021.

35 Ill Adm. Code 104.406(b). A statement that indicates whether the regulation of general applicability was promulgated to implement, in whole or in part, the requirements of the CWA (33 USC 1251 et seq.), Safe Drinking Water Act (42 USC 300(f) et seq.), Comprehensive Environmental Response, Compensation and Liability Act (42 USC 9601 et seq.), CAA (42 USC 7401 et seq.), or the State programs concerning RCRA, UIC, or NPDES (see 415 ILCS 5/28.1);

30. The Petition does not appear to provide a statement responsive to 35 Ill. Adm. Code 104.406(b). 35 Ill. Adm. Code 845 implements Sections 12, 22, and 22.59 of the Illinois Environmental Protection Act ("Act"); 415 ILCS 5/12, 22, and 22.59.

35 Ill Adm. Code 104.406(c). The level of justification as well as other information or requirements necessary for an adjusted standard as specified by the regulation of general applicability or a statement that the regulation of general applicability does not specify a level of justification or other requirements;

31. Illinois EPA agrees with Petitioner that since Part 845 does not specify a level of justification for an adjusted standard, the applicable level of justification are the factors identified in Section 28.1(c) of the Act, 415 ILCS 5/28.1(c).

35 Ill Adm. Code 104.406(d). A description of the nature of the petitioner's activity that is the subject of the proposed adjusted standard. The description must include the location of, and area affected by, the petitioner's activity. This description must also include the number of persons employed by the petitioner's facility at issue, age of that facility, relevant pollution control equipment already in use, and the qualitative and quantitative description of the nature of emissions, discharges or releases currently generated by the petitioner's activity;

32. The Petitioner provides an adequate historical description of the surface impoundments at the Meredosia Station, with one exception: Some finishing closure activities for the Fly Ash Pond were completed in April and August of 2019. *See* Agency Ex. A at 1.

33. The Petitioner states, “As such, it [Old Meredosia] was closed by the best engineering standards that existed at the time, well before any federal or IEPA programs existed relative to its closure.” *See* Amd. Petition at 13-14. The Agency is not stating that the sluiced river sediment used to cover Old Meredosia violates any regulation by its presence. *See* Pet. Ex. 2, at 622/1169 pdf. The Agency’s position is that once Part 845 was adopted, the definition of an inactive CCR surface impoundment became applicable to Old Meredosia and it is now a regulated unit under Part 845. Indeed, prior to the adoption of the definition in Part 845 and the Act, CCR surface impounds did not exist under State regulations. Before Part 845 was adopted, the units that became CCR surface impoundments were simply surface impoundments that contained coal ash. Old Meredosia became an inactive CCR surface impoundment with the adoption of Part 845.

35 Ill Adm. Code 104.406(e). A description of the efforts that would be necessary if the petitioner was to comply with the regulation of general applicability. All compliance alternatives, with the corresponding costs for each alternative, must be discussed. The discussion of costs must include the overall capital costs as well as the annualized capital and operating costs;

34. The Petitioner states that closing Old Meredosia in place would cost \$4-6 million and closure by removal would cost \$12-15 million. *See* Amd. Petition at 23. The Petitioner does not appear to have provided any annualized operating and maintenance costs.

35. The Petitioner states that Old Meredosia has been closed for fifty years and that the Board was reluctant to deal with site specific issues when adopting Part 845, a rule of general applicability. However, the Agency’s position is that Old Meredosia meets the definition of an inactive CCR surface impoundment, and thus is subject to the requirements of Part 845.

35 Ill Adm. Code 104.406(f) A narrative description of the proposed adjusted standard as well as proposed language for a Board order that would impose the standard. Efforts necessary to achieve this proposed standard and the corresponding costs must also be presented;

36. Petitioner first requests the Board to find that Part 845 does not apply to Old Meredosia at all and provides the following language:

The Board finds that Ameren has presented sufficient evidence that Old Meredosia is not subject to Part 845 and, accordingly, dismisses Ameren's petition as unnecessary.

37. In the alternative, should the Board determine that Part 845 is applicable, Ameren asks for an adjusted standard that states the following:

1. The inactive Old Ash Pond at Meredosia Power Station ("Old Meredosia") ceased accepting CCR and was capped with native materials in the early 1970's, prior to the existence of any regulatory procedures that could have been followed for closure. Old Meredosia has not been operational, and coal ash has not been deposited at the site for over fifty years. In the intervening time, ten acres of deciduous forest and seven acres of shrub-scrub, herbaceous/grassland cover have grown on the site, which has become a suitable habitat for various protected species, including an established bald eagle nest. The destruction of this suitable habitat to perform closure in conformity with the Board's Standards for the Disposal of Coal Combustion Residuals in Surface Impoundments ("CCRSIs"), 35 Ill. Admin. Code Part 845, would cause more environmental harm than benefit, and would constitute a take of the protected species, punishable under federal and state law. Old Meredosia is geographically proximate to two closed CCRSIs at Meredosia Power Station with closure plans that created a groundwater monitoring zone that includes the geographic area of Old Meredosia, such that any impacts from Old Meredosia will be ascertained and addressed pursuant to those closure plans and any relevant permitting applicable to those two closed CCRSI's.

2. Therefore, Ameren is granted this Adjusted Standard, which will exempt it from Part 845's closure and post closure provisions. Unless otherwise provided below, the provisions of Part 845 shall not be applicable to Old Meredosia:

a. Ameren shall record a notation on the deed to the parcel on which Old Meredosia is located in accordance with 35 Ill. Admin. Code Section 845.760 (h).

b. Ameren shall maintain financial assurance for Old Meredosia, in accordance with 35 Ill. Admin. Code 845, Subpart I.

38. The Agency does not agree with the Petitioner that Old Meredosia is not subject to Part 845. Old Meredosia meets the definition of an inactive CCR surface impoundment and is

therefore, subject to all of the provisions of Part 845. However, if the Board finds the Petitioner's arguments convincing that there are valuable natural resources present within the footprint of Old Meredosia (*See* Pet. Ex. 2 at 647-687/1169 pdf, Attachment A, WSP Site Investigation Report) then an adjusted standard from some aspects of Part 845 may be granted.

39. The Agency believes an adjusted standard from Part 845, Subpart F: Groundwater Monitoring and Corrective Action and Subpart G: Closure and Post-closure Care, would be necessary. Closure and post-closure care are the only requirements of Part 845 that have the potential to disturb the habitat on Old Meredosia described by the Petitioner, but a time frame for the installation of a groundwater monitoring system and implementing a groundwater monitoring program for Old Meredosia would also be needed.

40. The Agency proposes the following adjusted standard language.

Recommended language for 845, Subpart F:

Ameren shall install a groundwater monitoring system for Old Meredosia compliant with Section 845.630 within 3 months of the Board's final order.

Ameren shall implement the groundwater sampling and analysis requirements of Section 845.640 and the groundwater monitoring program requirements of Section 845.650 within 18 months of the Board's final order.

Recommended language for 845, Subpart G:

In lieu of compliance with Section 845.700(d), (g) and (h), Ameren shall submit operating permit and closure construction permit applications within 24 months of the issuance of the Board's final order.

41. The Petitioner provides no information that indicates the existing sluiced sediments that cover Old Meredosia meet the requirements of Sections 845.750(c)(1) and (2). Section 22.59(g)(1) of the Act requires that the rules adopted by the Board be at least as protective and comprehensive as Subpart D of 40 CFR 257. Therefore, the Agency cannot approve any final cover system that does not meet at least the minimum requirements of Part 257.102(d).

42. The Petitioner states that evapotranspiration provides a reduction in infiltration but provides no data to support this position. *See* Amd. Pet at 17. Given the lack of data, the Agency recommends the following adjusted standard language:

In lieu of compliance with Sections 845.750(c)(1) and (2), Ameren shall submit a demonstration accompanied by a certification from a Licensed Professional Engineer that the existing cover materials meet or exceed the requirements of 40 CFR Part 257.102(d). If the certified demonstration cannot be made, then Ameren must install a cover compliant with Part 845.

35 Ill Adm. Code 104.406(g) The quantitative and qualitative description of the impact of the petitioner's activity on the environment if the petitioner were to comply with the regulation of general applicability as compared to the quantitative and qualitative impact on the environment if the petitioner were to comply only with the proposed adjusted standard. To the extent applicable, cross-media impacts must be discussed. Also, the petitioner must compare the qualitative and quantitative nature of emissions, discharges or releases that would be expected from compliance with the regulation of general applicability as opposed to that which would be expected from compliance with the proposed adjusted standard;

43. Petitioner focuses on the environmental impacts of closure by removal or closure in place with a Part 845 compliant cover. *See* Amd. Petition at 20-23. The Petitioner does discuss other aspects of Old Meredosia, but ignores the environmental factors provided by its own documents. *See* Petition Exs. 2 and 3. The Petitioner indicates that because Old Meredosia is within the GMZ established during the closure of the Fly Ash and Bottom Ash Ponds, the groundwater monitoring for those two ponds adequately characterizes groundwater which may be impacted by Old Meredosia. *See* Amd. Petition at 26. However, Petitioner's Ex. 2 at 700/1169 pdf, demonstrates that contaminants do leach from the fly ash contained in Old Meredosia at concentrations above the groundwater protection standards. Ameren concedes that a cover would reduce the infiltration of precipitation. *See* Amd. Petition at 23. The Petitioner's data also demonstrates that contaminants in excess of groundwater protection standards exist in groundwater beneath Old Meredosia. *See* Petitioner's Ex. 2 at 701/1169 pdf. The fact that the fly ash in Old Meredosia leaches contaminants

and there are also two closed CCR surface impoundments at the site underline the need for a groundwater monitoring system specific to Old Meredosia. Without its own monitoring well system, the extent to which Old Meredosia is contributing to groundwater contamination cannot be determined. Petitioner's Ex. 3 at 1065/1169 pdf displays property immediately adjacent to Old Meredosia that is not owned or controlled by Ameren. Petitioner's Ex. 2 at 885/1169 pdf, potentiometric surface map demonstrates that the property to the east of Old Meredosia, which is not under Ameren control, is sometimes down gradient of Old Meredosia. Therefore, contaminants leaching from Old Meredosia may be contaminating off-site groundwater. The Petition does not adequately address the potential for Old Meredosia to impact groundwater, nor does it provide adequate information to determine that the existing sediment cover provides any control of these environmental impacts.

35 Ill Adm. Code 104.406(h). A statement that explains how the petitioner seeks to justify, under the applicable level of justification, the proposed adjusted standard;

44. Illinois EPA agrees with Petitioner that because Part 845 does not specify a level of justification for an adjusted standard, the applicable level of justification are the factors identified in Section 28.1(c) of the Act. *See* Amd. Pet at 13. Section 28.1 of the Act provides:

- (1) factors relating to that petitioner are substantially and significantly different from the factors relied upon by the Board in adopting the general regulation applicable to that petitioner;
- (2) the existence of those factors justifies an adjusted standard;
- (3) the requested standard will not result in environmental or health effects substantially general applicability; and
- (4) the adjusted standard is consistent with any applicable federal law.

See 415 ILCS 5/28.1

45. The factors relating to Old Meredosia have not been proven substantially and significantly different from the factors relied upon by the Board in adopting the Part 845 closure requirements applicable to other CCR surface impoundment. In its adopting opinion, the Board stated, "These

rules of general applicability provide for the protection of public health and the environment in Illinois.” See R20-19 April 15, 2021 at 1. Because Old Meredosia is an inactive CCR surface impoundment and therefore subject to the rules of 845, Petitioner’s request would not uphold the Board’s intent to protect the public health and the environment in Illinois. See Agency discussion 35 Ill. Adm. Code 104.406(g).

46. As explained above, the requested adjusted standard may result in environmental or health effects because Old Meredosia is an inactive surface impoundment, demonstrated to be leaching contaminants.

35 Ill Adm. Code 104.406(i). A statement with supporting reasons that the Board may grant the proposed adjusted standard consistent with federal law. The petitioner must also inform the Board of all procedural requirements applicable to the Board's decision on the petition that are imposed by federal law and not required by this Subpart. Relevant regulatory and statutory authorities must be cited;

47. Petitioner does not consider the Old Meredosia to be regulated by Part 257. Part 257 is a self-implementing federal program, with no input from USEPA on which units are properly classified as CCR surface impoundments 80 Fed. Reg. 21309 (April 17, 2015).

48. However, Pursuant to 415 ILCS 5/22.59(g)(1), the Board was directed to adopt rules for coal combustion residuals (“CCR”) surface impoundments “at least as protective and comprehensive” as Subpart D of 40 CFR 257 (“Part 257”) and to use Part 257 “as a baseline.” 415 ILCS 5/22.59(g)(1) and *In the Matter of: Standards for Disposal of Coal Combustion Residuals in Surface Impoundments: Proposed New 35 Ill. Adm. Code 845*, R20-19 (“R20-19”), Order (February 4, 2021), at 11.

49. On April 15, 2021, the Board adopted new regulations providing standards for disposal of CCR in surface impoundments at 35 Ill. Adm. Code 845. R20-19, Final Order (April 15, 2021). The Part 845 rules became effective on April 21, 2021. 45 Ill. Reg. 5884 (May 7, 2021).

50. While independent of the federal rule, Part 845 complies with the statutory mandate in 415 ILCS 5/22.59(g)(1) using Part 257 as a baseline and written with at least the same protection and comprehensiveness as Part 257. R20-19, Order (February 4, 2021), at 11.

51. Therefore, the Board may grant any proposed adjusted standard consistent with federal law.

RECOMMENDATION

WHEREFORE, for the above and foregoing reasons, Illinois EPA recommends that the Board DENY Petitioner's request for an adjusted standard from 35 Ill. Adm. Code 845 and DENY Petitioner's request for a finding of inapplicability of Part 845.

Dated: August 3, 2023

Illinois Environmental Protection Agency
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Respectfully submitted,
ILLINOIS ENVIRONMENTAL
PROTECTION AGENCY,

Respondent,

BY: /s/Sara Terranova
Sara Terranova

CERTIFICATE OF SERVICE

I, the undersigned, on affirmation certify the following:

That I have electronically served the attached **ELECTRONIC NOTICE OF FILING** and **RECOMMENDATION OF THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY** upon those listed on the Service List before 4:30 p.m. on August 3, 2023.

ILLINOIS ENVIRONMENTAL
PROTECTION AGENCY

By: /s/ Sara Terranova
Sara Terranova
Assistant Counsel
Division of Legal Counsel

DATED: August 3, 2023

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ATTACHMENT A



November 8, 2019

Mr. Michael Wagstaff, P.E.
Ameren Missouri
3700 South Lindbergh Boulevard
St. Louis, Missouri 63127

RE: Addendum to the January 18, 2019 Construction Quality Assurance Report
Closure of the Bottom Ash Pond and Fly Ash Pond
Meredosia Power Station
800 South Washington Street
Meredosia, Morgan County, Illinois
Geotechnology Project Number: J024917.04

Dear Mr. Wagstaff:

Please reference the Construction Quality Assurance (CQA) Report for the referenced site submitted on January 18, 2019. The CQA report described the substantial completion of the project; however, final punch-list activities were to be performed after the conclusion of winter weather. This letter documents CQA for the final punch-list activities beginning April 17, 2019 and concluding August 28, 2019.

1.0 FINAL PUNCH LIST ACTIVITIES

Final punch list activities performed for the Fly Ash Pond in 2019 include placement of additional sand infill, placement of ArmorFill at the perimeter stormwater ditches, and repairs to the 40-mil MicroSpike HDPE geomembrane and synthetic turf geotextile. This work was performed on April 17-24, 2019 and August 5-9, 2019. Note that prolonged flooding of the Illinois River delayed the end of punch-list work. A final inspection was performed on August 28, 2019.

Daily reports for the final punch-list items are provided in Appendix A. A photograph log is provided in Appendix B. Final CQA certifications for punch-list work are provided in Appendix C.

2.0 HDPE GEOMEMBRANE

Final punch-list activities at the Fly Ash Pond included minor repairs to the 40-mil HDPE MicroSpike geomembrane. Final punch-list activities were not required at the Bottom Ash Pond Berm.



40-mil HDPE MicroSpike geomembrane repairs at the Fly Ash Pond were performed on April 17, 2019. Testing during the repairs included non-destructive testing (using vacuum box methods) and destructive testing. The methods used for the testing procedures were consistent with those described in the January 18, 2019 CQA Report. The updated documentation of the 40-mil HDPE MicroSpike geomembrane installation, including final repairs performed in 2019, is provided in Appendix D. Destructive testing results are provided in Appendix E. This documentation includes warranty information for the installation.

3.0 SYNTHETIC TURF GEOTEXTILE

Final punch-list activities at the Fly Ash Pond included minor repair of synthetic turf geotextile. Repairs of the synthetic turf geotextile were performed on April 17, 2019. Final punch-list activities were not required at the Bottom Ash Pond Berm.

The CQA Officer or designated representative observed the synthetic turf geotextile as repair patches were placed and welded. The placed synthetic turf geotextile was observed for wrinkles that could fold over and, if observed, required repairs were performed in these areas. The synthetic turf geotextile welds were observed for locations where the surface synthetic turf was melted and, if observed, required repairs were performed in these areas.

4.0 SAND INFILL AND ARMORFILL

Final punch-list activities at the Fly Ash Pond included final placement, brushing, and thickness verification of sand on the eastern portion and the perimeter ditch of the Fly Ash Pond, as well as sand placement, brushing, and thickness testing at HDPE geomembrane repair locations. Final punch-list activities were not required at the Bottom Ash Pond Berm.

Sand placement, brushing, and thickness verification occurred on April 18, 2019 through April 24, 2019 and August 5, 2019 through August 9, 2019. The sand was spread and brushed into place on the synthetic turf geotextile with a thickness between 0.50 and 0.75 inch. The CQA Officer or designated representative measured the thickness of the sand using a caliper on an approximately 100-foot grid.

The Armorfill material was tested for possible quality degradation (due to shelf-life concerns) after storage over the winter. Results are presented in Appendix E. Based on the results, the testing firm stated, "we feel there should be no issues (our professional opinion) using this material with the testing that was checked most recently."

Placement of Armorfill in the perimeter ditch and downlet structures of the Fly Ash Pond began on August 8, 2019 and concluded on August 9, 2019. The CQA officer or designated representative observed the placement of the Armorfill material for apparent saturation of the sand infill layer. A final inspection of the Armorfill was performed on August 28, 2019 by the CQA Officer to verify that the Armorfill material had properly set.



5.0 SURFACE WATER MANAGEMENT

Surface water control structures include perimeter ditches and outlet structures at the Fly Ash Pond perimeter, six outfalls from the Fly Ash Pond cap, and piping/rip-rap for drainage off the east portion of the Fly Ash Pond cap. Storm water pollution prevention plan (SWPPP) inspection forms for the project are provided in Appendix F.

6.0 AS-BUILT DRAWINGS

As-built drawings were prepared by CDG Engineers and reviewed by the CQA Officer. Copies of the as-built drawings dated March 18, 2019 are provided in Appendix G.

7.0 SIGNATURE

As CQA Officer for the construction of the closure of the Fly Ash Pond (final punch-list work performed from April 17, 2019 to August 28, 2019), located at the Ameren Energy Resources, Meredosia Power Station in Meredosia, Illinois, I am familiar with the plans and specifications, and the CQA Plan as prepared and approved for the project. Based on my observations and the observations of the Construction Quality Assurance Officers-In-Absentia (Jessie Goodwin and Alyssa Okorn), it is my professional opinion that the construction was completed as described in this Report. CQA certification by the owner's representative does not relieve the contractor of their obligations to furnish all work in accordance with the contract.

Rosanna M. Saindon, P.E., Ph.D.
Illinois Licensed Professional Engineer
Project Manager
Geotechnology, Inc.





* * * * *

The following appendices are made part of and complete the January 18, 2019 report:

- Appendix A - Daily Reports
- Appendix B - Photograph Log
- Appendix C - CQA Certifications
- Appendix D - 40-mil MicroSpike HDPE Geomembrane
- Appendix E - Laboratory Analytical Reports
- Appendix F - SWPPP Inspection Forms
- Appendix G - As-Built Drawings

* * * * *

If you have any questions or comments regarding the attached information, please contact the undersigned at (314) 997-7440.

Very truly yours,

GEOTECHNOLOGY, INC.

Anna M. Saindon, P.E., Ph.D.
Project Manager

JYG/AMS/MSR:jyg/jsj



APPENDIX A

DAILY REPORTS



DAILY REPORT

DATE: April 17, 2019

GENERAL INFORMATION:

Project Name: Meredosia Ash Pond Closures Representative: AAO
Project Number: J024917.04
Project Client: Ameren

TIME AND WEATHER CONDITIONS:

(-0.5) Lunch

Arrive: 0800 Depart: 1745 Travel: 2.75 Total: 12.0

AM Conditions: Cloudy AM Temperature: 63 F

PM Conditions: Cloudy PM Temperature: 68 F

CONTRACTORS, EQUIPMENT, AND PERSONNEL:

Contractors: Blankenship, GSI, Geotechnology

Personnel: Blankenship (1), GSI (7), Geotechnology (1)

Visitors: Blankenship (2), GSI (1), Geotechnology (1), Ameren (1), WatershedGeo (2),
Cline Environmental (1)

MATERIALS USED, DELIVERIES, AND TESTING:

Materials Used: Geomembrane & engineered turf


Deliveries: _____

Testing: _____

CONSTRUCTION SITE LOCATIONS:

Fly Ash Pond geomembrane and engineered turf geotextile repairs

Alyssa A. Okorn 4/17/2019
Geotechnology, Inc. Rep. Date

 4/22/2019
Geotechnology, Inc. Engineer Date



DAILY REPORT

DATE: April 17, 2019

SITE ACTIVITIES, OBSERVATIONS, CONTACTS, AND ADDITIONAL NOTES:

Blankenship:

Observed GSI and Geotechnology

At 0900, held a meeting and site inspection to assess geomembrane and engineered turf system repairs at damaged locations and due to bridging of the system in the drainage ditches of the Fly Ash Pond, and to assess the sand infill on the Bottom Ash Pond Berm system.

Geotechnology:

Observed GSI's repairs of the survey damage to geomembrane and engineered turf. Collected one destructive sample and sent it to TRI Environmental laboratory for analysis. Attended Blankenship's meeting and site inspection.

GSI:

Made repairs to the Fly Ash Pond geomembrane and engineered turf geotextile system in bridged and damaged areas.



DAILY REPORT

DATE: April 18, 2019

GENERAL INFORMATION:

Project Name: Meredosia Ash Pond Closures Representative: AAO
Project Number: J024917.04
Project Client: Ameren

TIME AND WEATHER CONDITIONS:

(-0.5) Lunch

Arrive: 0700 Depart: 1215 Travel: 2.5 Total: 7.25

AM Conditions: Cloudy and rainy AM Temperature: 46 F

PM Conditions: Cloudy and rainy PM Temperature: 51 F

CONTRACTORS, EQUIPMENT, AND PERSONNEL:

Contractors: Blankenship, GSI, Geotechnology, Cline Environmental

Personnel: Blankenship (3), GSI (7), Geotechnology (1), Cline Environmental (1)

Visitors: _____

MATERIALS USED, DELIVERIES, AND TESTING:

Materials Used: Sand

Deliveries: _____

Testing: _____

CONSTRUCTION SITE LOCATIONS:

Fly Ash Pond

Alyssa A. Okorn 4/18/2019
Geotechnology, Inc. Rep. Date

 4/22/2019
Geotechnology, Inc. Engineer Date



DAILY REPORT

DATE: April 18, 2019

SITE ACTIVITIES, OBSERVATIONS, CONTACTS, AND ADDITIONAL NOTES:

Blankenship:

Observed GSI emptying sand bags.

Assisted Cline Environmental with sand spreading on the Fly Ash Pond.

Geotechnology:

Observed GSI emptying sandbags.

Observed sand spreading on the Fly Ash Pond.

GSI:

Emptied sandbags and packed their equipment into their trailers.

Cline Environmental:

Sand placement and spreading on the Fly Ash Pond.



DAILY REPORT

DATE: April 23, 2019

GENERAL INFORMATION:

Project Name: Meredosia Ash Pond Closures Representative: AAO
Project Number: J024917.04
Project Client: Ameren

TIME AND WEATHER CONDITIONS:

(-0.5) Lunch

Arrive: 0900 Depart: 1500 Travel: 2.5 Total: 8.0

AM Conditions: Overcast AM Temperature: 58 F

PM Conditions: Overcast PM Temperature: 54 F

CONTRACTORS, EQUIPMENT, AND PERSONNEL:

Contractors: Blankenship, GSI, Geotechnology, Cline Environmental

Personnel: Blankenship (3), GSI (7), Geotechnology (1), Cline Environmental (1)

Visitors: _____

MATERIALS USED, DELIVERIES, AND TESTING:

Materials Used: Sand

Deliveries: _____

Testing: Depth tests in the sand on the approx. half of the Fly Ash Pond ditches and outlets

CONSTRUCTION SITE LOCATIONS:

Fly Ash Pond

Alyssa A. Okorn 4/23/2019
Geotechnology, Inc. Rep. Date

 4/26/2019
Geotechnology, Inc. Engineer Date



SITE ACTIVITIES, OBSERVATIONS, CONTACTS, AND ADDITIONAL NOTES:

Blankenship:

Assisted GSI and Cline Environmental with sand spreading on the Fly Ash Pond.

Geotechnology:

Observed GSI, Cline Environmental, and Blankenship spreading sand on the Fly Ash Pond.

Tested depths of sand along the north and west ditches and the corresponding outlets on the Fly Ash Pond.

GSI:

Assisted Cline Environmental and Blankenship with sand spreading on the Fly Ash Pond.

Cline Environmental:

Sand spreading and testing on the Fly Ash Pond.



DAILY REPORT

DATE: April 24, 2019

GENERAL INFORMATION:

Project Name: Meredosia Ash Pond Closures Representative: AAO
Project Number: J024917.04
Project Client: Ameren

TIME AND WEATHER CONDITIONS:

(-0.0) Lunch

Arrive: 0700 Depart: 1230 Travel: 2.5 Total: 8.0

AM Conditions: Overcast and raining AM Temperature: 52 F

PM Conditions: Overcast and raining PM Temperature: 54 F

CONTRACTORS, EQUIPMENT, AND PERSONNEL:

Contractors: Blankenship, GSI, Geotechnology, Cline Environmental

Personnel: Blankenship (3), GSI (3), Geotechnology (1), Cline Environmental (1)

Visitors: _____

MATERIALS USED, DELIVERIES, AND TESTING:

Materials Used: _____

Deliveries: ArmorFill tanks (1130) & skid loader (1145)

Testing: _____

CONSTRUCTION SITE LOCATIONS:

Alyssa A. Okorn 4/24/2019
Geotechnology, Inc. Rep. Date

 4/26/19
Geotechnology, Inc. Engineer Date



DAILY REPORT

DATE: April 24, 2019

SITE ACTIVITIES, OBSERVATIONS, CONTACTS, AND ADDITIONAL NOTES:

Blankenship:

Received deliveries of ArmorFill tanks and skid loader.

Rainout

Geotechnology:

Observed deliveries.

Rainout

GSI:

Rainout

Cline Environmental:

Rainout



DAILY REPORT

DATE: August 8, 2019

GENERAL INFORMATION:

Project Name: Meredosia Ash Pond Closures Representative: JYG
Project Number: J024917.04
Project Client: Ameren

TIME AND WEATHER CONDITIONS:

(-0.5) Lunch

Arrive: 0615 Depart: 1845 Travel: 2.5 Total: 14.5

AM Conditions: Overcast to clear AM Temperature: 70 F

PM Conditions: Clear PM Temperature: 83 F

CONTRACTORS, EQUIPMENT, AND PERSONNEL:

Contractors: Blankenship, GSI, Geotechnology, Cline Environmental

Personnel: Blankenship (3), GSI (5), Geotechnology (1), Cline Environmental (1)

Visitors: _____

MATERIALS USED, DELIVERIES, AND TESTING:

Materials Used: ArmorFill, Sand

Deliveries: _____

Testing: Sand depth testing

CONSTRUCTION SITE LOCATIONS:

Fly Ash Pond perimeter ditch

Jessie Y. Goodwin 8/08/2019
Geotechnology, Inc. Rep. Date

 8/12/2019
Geotechnology, Inc. Engineer Date



SITE ACTIVITIES, OBSERVATIONS, CONTACTS, AND ADDITIONAL NOTES:

Blankenship:

Assisted Cline Environmental with mixing and spraying Armor Fill in the perimeter ditch of the Fly Ash Pond.

Geotechnology:

Performed sand depth testing in the perimeter ditch of the Fly Ash Pond and untested (or unpassed) portions of the Fly Ash Pond surface. Noted three locations that require additional sand, which were located on the surface. These three locations were marked but not addressed on August 8, 2019; additional sand placement in remedial locations is planned for August 9, 2019.

Based on depth testing, at 0800, Anna Saindon of Geotechnology approved Blankenship to move forward with the Armor Fill placement in the perimeter ditch of the Fly Ash Pond.

Observed placement of 10 loads of Armor Fill in the perimeter ditch of the Fly Ash Pond.

GSI:

Conducted hand placement and sweeping of sand and removal of extraneous pea gravel from the Fly Ash Pond, focusing on the perimeter ditches.

Cline Environmental:

Mixed and sprayed Armor Fill in the perimeter ditch of the Fly Ash Pond.



DAILY REPORT

DATE: August 9, 2019

GENERAL INFORMATION:

Project Name: Meredosia Ash Pond Closures Representative: JYG
Project Number: J024917.04
Project Client: Ameren

TIME AND WEATHER CONDITIONS:

(-0.5) Lunch

Arrive: 0700 Depart: 1030 Travel: 2.5 Total: 5.5

AM Conditions: Clear AM Temperature: 74 F

PM Conditions: N/A PM Temperature: N/A

CONTRACTORS, EQUIPMENT, AND PERSONNEL:

Contractors: Blankenship, GSI, Geotechnology, Cline Environmental

Personnel: Blankenship (3), GSI (2), Geotechnology (1), Cline Environmental (1)

Visitors: _____

MATERIALS USED, DELIVERIES, AND TESTING:

Materials Used: ArmorFill, Sand

Deliveries: _____

Testing: Sand depth testing

CONSTRUCTION SITE LOCATIONS:

Fly Ash Pond surface and perimeter ditch

Jessie Y. Goodwin 8/09/2019
Geotechnology, Inc. Rep. Date


Geotechnology, Inc. Engineer 8/12/2019
Date



DAILY REPORT

DATE: August 9, 2019

SITE ACTIVITIES, OBSERVATIONS, CONTACTS, AND ADDITIONAL NOTES:

Blankenship:

Placed and brushed sand in remedial areas of the Fly Ash Pond surface.

Assisted Cline Environmental with mixing and spraying Armor Fill in the perimeter ditch of the Fly Ash Pond.

Geotechnology:

Performed sand depth testing at the three locations that did not pass previously after additional sand placement. Upon retesting, the noted locations passed.

Observed placement of 1 load of Armor Fill in the perimeter ditch of the Fly Ash Pond.

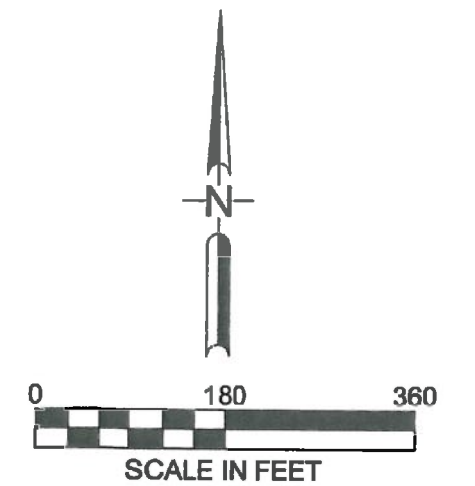
GSI:

Conducted hand placement and sweeping of sand and removal of extraneous pea gravel from the Fly Ash Pond.

Cline Environmental:

Mixed and sprayed one load of Armor Fill in the perimeter ditch of the Fly Ash Pond, completing the application on the ditch and spreading the remainder of the load in the ditch beginning east of the northernmost downlet and proceeding counter-clockwise to a point east of the southeasternmost downlet.

Fly Ash Pond -
Sand depths



Drawn By: WAH	Ck'd By:	App'vd By:
Date: 5-13-16	Date:	Date:
Meredosia Power Station Meredosia, Illinois		
SITE PLAN		
Project Number J024917.01	PLATE 2	



APPENDIX B

PHOTOGRAPH LOG



Photograph 1 ▲ - View of flooding near the Fly Ash Pond area, looking east.



Photograph 2 ▲ - View of sand spreading activities in the perimeter ditch of the Fly Ash Pond, facing southwest.



Photograph 3 ▲ - View of sand present in typical downlet structure, looking northwest.



Photograph 4 ▲ - View of Armorfill placement activities, looking northeast.



Photograph 5 ▲ - View of access road extending onto the Fly Ash Pond, looking east.



Photograph 6 ▲ - Typical view of final ClosureTurf cover, looking northeast.



APPENDIX C

CQA CERTIFICATIONS

Meredosia Power Station- Closure of Fly Ash and Bottom Ash Ponds

CQA CERTIFICATION

The CQA certification as provided herein is based on a review of available inspection, testing and sampling results for the subject Work and is for the sole purpose of noting compliance of these results with established design parameters and taking no exceptions to initiation of next sequential Work. CQA certification by the Owner's Representative does not relieve the Contractor of its obligations to furnish all Work in accordance with the Contract.

1. LOCATION AND DESCRIPTION OF THE SUBJECT WORK:

The Fly Ash (FA) Pond 40-mil MicroSpike HDPE geomembrane
(punch-list repairs)

The FA Pond 40-mil HDPE geomembrane was placed and Quality Control
and Construction Quality Assurance testing were performed. The CQA
Officer reviewed the testing data and found the results acceptable.

2. CONTRACTOR COMPLETING THE SUBJECT WORK:

GSI Geo-Synthetics Systems

3. NEXT SEQUENTIAL WORK TO BEGIN:

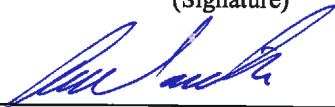
Placement of synthetic turf geotextile.

By CQA Officer-in-Absentia:
(if applicable)

(Signature)

Date: _____

By CQA Officer:



(Signature)

Date: April 19, 2019

Distribution: Original To: Document Controller Copies To: _____

Meredosia Power Station- Closure of Fly Ash and Bottom Ash Ponds

CQA CERTIFICATION

The CQA certification as provided herein is based on a review of available inspection, testing and sampling results for the subject Work and is for the sole purpose of noting compliance of these results with established design parameters and taking no exceptions to initiation of next sequential Work. CQA certification by the Owner's Representative does not relieve the Contractor of its obligations to furnish all Work in accordance with the Contract.

1. LOCATION AND DESCRIPTION OF THE SUBJECT WORK:

The Fly Ash (FA) Pond synthetic turf geotextile.
The FA Pond synthetic turf geotextile was placed and Quality Control and Construction Quality Assurance testing and observation were performed. The CQA Officer reviewed the testing and observation reports and found the results acceptable.

2. CONTRACTOR COMPLETING THE SUBJECT WORK:

GSI Geo-Synthetics Systems

3. NEXT SEQUENTIAL WORK TO BEGIN:


Placement of sand infill.

By CQA Officer-in-Absentia:
(if applicable)

(Signature)

Date: _____

By CQA Officer:



(Signature)

Date: April 19, 2019

Distribution: Original To: Document Controller Copies To: _____

CQA CERTIFICATION

The CQA certification as provided herein is based on a review of available inspection, testing and sampling results for the subject Work and is for the sole purpose of noting compliance of these results with established design parameters and taking no exceptions to initiation of next sequential Work. CQA certification by the Owner's Representative does not relieve the Contractor of its obligations to furnish all Work in accordance with the Contract.

1. LOCATION AND DESCRIPTION OF THE SUBJECT WORK:

The Fly Ash (FA) Pond sand infill placement

The sand infill component of the ClosureTurf system was placed and swept. The sand thickness was tested in accordance with the CQA Plan. The CQA Officer reviewed the sand thickness data and found the results acceptable.

2. CONTRACTOR COMPLETING THE SUBJECT WORK:

Blankenship Construction Company

3. NEXT SEQUENTIAL WORK TO BEGIN:

Placement of ArmorFill component of the ClosureTurf system in the perimeter ditch of the FA Pond.

By CQA Officer-in-Absentia:
(if applicable)

(Signature)

Date: _____

By CQA Officer:

(Signature)

Date: 8/12/2019

Distribution: Original To: Document Controller Copies To: _____

CQA CERTIFICATION

The CQA certification as provided herein is based on a review of available inspection, testing and sampling results for the subject Work and is for the sole purpose of noting compliance of these results with established design parameters and taking no exceptions to initiation of next sequential Work. CQA certification by the Owner's Representative does not relieve the Contractor of its obligations to furnish all Work in accordance with the Contract.

1. LOCATION AND DESCRIPTION OF THE SUBJECT WORK:

The Fly Ash (FA) Pond ArmorFill placement

The ArmorFill material was mixed then sprayed in the FA Pond ditches while CQA personnel observed. On August 28, 2019, the CQA Officer observed the placed ArmorFill and verified that the material had set in accordance with the CQA Plan.

2. CONTRACTOR COMPLETING THE SUBJECT WORK:

Blankenship Construction Company; GSI; Cline Environmental, Inc.

3. NEXT SEQUENTIAL WORK TO BEGIN:

Work sequence is complete.

By CQA Officer-in-Absentia:
(if applicable)

(Signature)

Date: _____

By CQA Officer:



(Signature)

Date: 8/29/2019

Distribution: Original To: Document Controller Copies To: _____



APPENDIX D

40-MIL MICROSPIKE HDPE GEOMEMBRANE



PROJECT NAME:
Meredosia Ash Pond Closures
GSI Project No.: 18009; Project I.D.: 15093

Section: 02800 HDPE Geomembranes and Polypropylene Turf Grass

1.4.D
Field QC Reports
Provided In This Submittal

PANEL PLACEMENT FORM



PROJECT NAME:	AMEREN MEREDOSIA-BOTTOM ASH POND
PROJECT NO.:	18009
MATERIAL TYPE:	40MIL HD MICRO SPIKE
MATERIAL LAYER:	PRIMARY
QC NAME:	CHERYL HINA

PANEL NO.	ROLL NO.	PLACEMENT DATE	PANEL LENGTH (FT)	PANEL WIDTH (FT)	COMMENTS
1	1808	08/09/18	87	22.5	
2	1808	08/09/18	46	22.5	
3	1808	08/09/18	30.5	22.5	
4	1808	08/09/18	10	8	
5	1808	08/09/18	89	22.5	
6	1808	08/09/18	73.5	22.5	
7	1808	08/09/18	63	22.5	
8	1808	08/09/18	24	22.5	
9	1808	08/09/18	35	22.5	
10	1808	08/09/18	100	22.5	
11	1808	08/09/18	69	22.5	
12	1809	08/09/18	15.5	22.5	
13	1809	08/09/18	80	22.5	
14	1809	08/09/18	61.5	22.5	
15	1809	08/09/18	41	22.5	
16	1809	08/09/18	23	22.5	
17	1809	08/09/18	88	22.5	
18	1809	08/09/18	92.5	22.5	
19	1809	08/09/18	72.5	22.5	



Electronic Filing: Received, Clerk's Office 08/3/2023
 PANEL PLACEMENT FORM

PROJECT NAME:	AMEREN MEREDOSIA-BOTTOM ASH POND
PROJECT NO.:	18009
MATERIAL TYPE:	40MIL HD MICRO SPIKE
MATERIAL LAYER:	PRIMARY
QC NAME:	CHERYL HINA

PANEL NO.	ROLL NO.	PLACEMENT DATE	PANEL LENGTH (FT)	PANEL WIDTH (FT)	COMMENTS
20	1809	08/09/18	48.5	22.5	
21	1809	08/09/18	29	22.5	
22	1807	08/09/18	86.5	22.5	
23	1807	08/09/18	89.5	22.5	
24	1807	08/09/18	92	22.5	
25	1807	08/09/18	97	22.5	
26	1807	08/09/18	98.5	22.5	
27	1807	08/09/18	110	22.5	
28	1807	08/09/18	106	22.5	
29	1807	08/09/18	99.5	22.5	
30	1807	08/09/18	39	22.5	
31	1807	08/09/18	22	8	
32	1807	08/09/18	38	22.5	
33	1807	08/09/18	12	7	
34	1807	08/09/18	66	22.5	
35	1803	08/09/18	55	22.5	
36	1803	08/09/18	55	22.5	
37	1803	08/09/18	55	22.5	
38	1803	08/09/18	55	22.5	

Electronic Filing: Received, Clerk's Office 08/3/2023
 PANEL PLACEMENT FORM



PROJECT NAME:	AMEREN MEREDOSIA-BOTTOM ASH POND
PROJECT NO.:	18009
MATERIAL TYPE:	40MIL HD MICRO SPIKE
MATERIAL LAYER:	PRIMARY
QC NAME:	CHERYL HINA

PANEL NO.	ROLL NO.	PLACEMENT DATE	PANEL LENGTH (FT)	PANEL WIDTH (FT)	COMMENTS
39	1803	08/09/18	56	22.5	
40	1803	08/09/18	57	22.5	
41	1803	08/09/18	58	22.5	
42	1803	08/09/18	57	22.5	
43	1803	08/09/18	54	22.5	
44	1803	08/09/18	50	22.5	
45	1803	08/09/18	46.5	22.5	
46	1803	08/09/18	44.5	22.5	
47	1803	08/09/18	44	22.5	
48	1804	08/09/18	44	22.5	
49	1804	08/09/18	43.5	22.5	
50	1804	08/10/18	41	22.5	
51	1804	08/10/18	39	22.5	
52	1804	08/10/18	39	22.5	
53	1804	08/10/18	39	22.5	
54	1804	08/10/18	38	22.5	
55	1804	08/10/18	36	22.5	
56	1804	08/10/18	35	22.5	
57	1804	08/10/18	37	22.5	



Electronic Filing: Received, Clerk's Office 08/3/2023
 PANEL PLACEMENT FORM

PROJECT NAME:	AMEREN MEREDOSIA-BOTTOM ASH POND
PROJECT NO.:	18009
MATERIAL TYPE:	40MIL HD MICRO SPIKE
MATERIAL LAYER:	PRIMARY
QC NAME:	CHERYL HINA

PANEL NO.	ROLL NO.	PLACEMENT DATE	PANEL LENGTH (FT)	PANEL WIDTH (FT)	COMMENTS
58	1804	08/10/18	36.5	17.5	
59	1804	08/10/18	86	22.5	
60	1804	08/10/18	74.5	22.5	
61	1804	08/10/18	48	22.5	
62	1804	08/10/18	21	22.5	
63	1578	08/10/18	88	22.5	
64	1578	08/10/18	90	22.5	
65	1578	08/10/18	91	22.5	
66	1578	08/10/18	91	22.5	
67	1578	08/10/18	91.5	22.5	
68	1578	08/10/18	92.5	22.5	
69	1578	08/10/18	93.5	22.5	
70	1578	08/10/18	65.5	22.5	
71	1805	08/10/18	28	22.5	
72	1805	08/10/18	93	22.5	
73	1805	08/10/18	92.5	22.5	
74	1805	08/10/18	91.5	22.5	
75	1805	08/10/18	91	22.5	
76	1805	08/10/18	91.5	22.5	

PANEL PLACEMENT FORM



PROJECT NAME:	AMEREN MEREDOSIA-BOTTOM ASH POND
PROJECT NO.:	18009
MATERIAL TYPE:	40MIL HD MICRO SPIKE
MATERIAL LAYER:	PRIMARY
QC NAME:	CHERYL HINA

PANEL NO.	ROLL NO.	PLACEMENT DATE	PANEL LENGTH (FT)	PANEL WIDTH (FT)	COMMENTS
77	1805	08/10/18	93.5	22.5	
78	1805	08/10/18	95	22.5	
79	1593	08/10/18	93	22.5	
80	1593	08/10/18	89	22.5	
81	1593	08/10/18	86.5	22.5	
82	1593	08/10/18	86	22.5	
83	1593	08/10/18	37	22.5	
84	1593	08/10/18	34	22.5	
85	1593	08/10/18	33	22.5	
86	1593	08/10/18	36	10	
87	1593	08/10/18	95	22.5	
88	1593	08/10/18	80	22.5	



PROJECT NAME:	AMEREN MEREDOSIA-BOTTOM ASH POND	Test Criteria	Fusion	Extrusion
PROJECT NO.:	18009	Time	As Noted	As Noted
MATERIAL TYPE:	40MIL HD MICRO SPIKE	Number	2	2
MATERIAL LAYER:	PRIMARY	Peel - ppi	65	52
QC NAME:	CHERYL HINA	Shear - ppi	81	81

Trial No.	Date	Sample Time	Air Temp	Mater Type	Tech Initials	Machn No.	Wedge Barrel	Speed Preheat	Peel (ppi)					Shear (ppi)					Pass Fail			
									1	2	3	4	5	1	2	3	4	5				
1	08/09/18	0750	69	SS	BR	W114	750	7.5	76	78	72	76					98	93				P
2	08/09/18	0755	69	TS	BR	W114	750	7.5	69	86	67	70					98	94				P
3	08/09/18	0758	69	TT	BR	W114	750	7	81	89	69	72					101	96				P
4	08/09/18	0750	69	SS	JM	W120	750	8.5	81	81	85	74					103	97				P
5	08/09/18	0755	69	TS	JM	W120	750	8	86	86	76	71					106	96				P
6	08/09/18	0758	69	TT	JM	W120	750	7.5	105	91	87	74					106	100				P
7	08/09/18	0755	69	SS	LH	W118	750	7.5	82	80	75	74					103	94				P
8	08/09/18	1256	93	SS	BR	W114	750	7.5	69	72	74	68					89	81				P
9	08/09/18	1258	93	TS	BR	W114	750	7.5	65	75	73	68					88	81				P
10	08/09/18	1259	93	TT	BR	W114	750	7.5	85	79	71	76					86	81				P
11	08/09/18	1250	93	SS	JM	W120	750	9	67	68	75	76					84	81				P



PROJECT NAME:	AMEREN MEREDOSIA-BOTTOM ASH POND	Test Criteria	Fusion	Extrusion
PROJECT NO.:	18009	Time	As Noted	As Noted
MATERIAL TYPE:	40MIL HD MICRO SPIKE	Number	2	2
MATERIAL LAYER:	PRIMARY	Peel - ppi	65	52
QC NAME:	CHERYL HINA	Shear - ppi	81	81

Trial No.	Date	Sample Time	Air Temp	Mater Type	Tech Initials	Machn No.	Wedge Barrel	Speed Preheat	Peel (ppi)					Shear (ppi)					Pass Fail			
									1	2	3	4	5	1	2	3	4	5				
12	08/09/18	1255	93	TT	JM	W120	750	8.5	84	76	72	71					87	80				P
13	08/09/18	1250	93	SS	LH	W118	750	9.5	80	78	73	74					88	82				P
14	08/10/18	0720	71	SS	BR	W114	750	7.5	78	74	76	77					100	94				P
15	08/10/18	0722	71	TS	BR	W114	750	7.5	89	79	78	69					98	95				P
16	08/10/18	0724	71	TT	BR	W114	750	6	94	83	74	84					103	95				P
17	08/10/18	0725	71	SS	JM	W120	750	9	78	87	74	73					99	93				P
18	08/10/18	0730	71	TS	JM	W120	750	8.5	89	74	83	65					102	93				P
19	08/10/18	0734	71	TT	JM	W120	750	8	92	85	85	82					103	98				P
20	08/10/18	0735	71	SS	LH	W118	750	7.5	83	85	76	79					97	88				P
21	08/10/18	0736	71	TT	FR	X89	500	500	81		85						91	85				P
22	08/10/18	1250	93	SS	LH	W118	750	9	83	86	76	76					81	87				P



PROJECT NAME:	AMEREN MEREDOSIA-BOTTOM ASH POND	Test Criteria	Fusion	Extrusion
PROJECT NO.:	18009	Time	As Noted	As Noted
MATERIAL TYPE:	40MIL HD MICRO SPIKE	Number	2	2
MATERIAL LAYER:	PRIMARY	Peel - ppi	65	52
QC NAME:	CHERYL HINA	Shear - ppi	81	81

Trial No.	Date	Sample Time	Air Temp	Mater Type	Tech Initials	Machn No.	Wedge Barrel	Speed Preheat	Peel (ppi)					Shear (ppi)					Pass Fail			
									1	2	3	4	5	1	2	3	4	5				
23	08/10/18	1255	93	SS	JM	W120	750	9	79	69	70	75					83	87				P
24	08/10/18	1300	93	TT	JM	W120	750	8.5	76	78	72	72					89	84				P
25	08/10/18	1326	93	TT	JM	X83	500	300	70		76						85	87				P
26	08/10/18	1249	93	TT	FR	X89	500	500	74		71						88	82				P
27	08/10/18	1250	93	TT	BR	W114	750	8	77	80	70	79					83	86				P
28	08/10/18	1400	93	TS	JM	W120	750	8.5	77	74	72	77					81	81				P
29	08/11/18	0731	69	TT	BR	X50	250	250	91		85						93	87				P
30	08/11/18	0733	69	TT	JM	X83	550	300	80		77						91	85				P
31	08/11/18	0730	69	TT	FR	X89	500	500	87		84						96	93				P
32	08/13/18	0720	68	TT	JM	X83	50	300	102		88						101	97				P
33	08/13/18	0730	68	TT	BR	X50	250	250	97		85						107	101				P



PROJECT NAME:	AMEREN MEREDOSIA-BOTTOM ASH POND	Test Criteria	Fusion	Extrusion
PROJECT NO.:	18009	Time	As Noted	As Noted
MATERIAL TYPE:	40MIL HD MICRO SPIKE	Number	2	2
MATERIAL LAYER:	PRIMARY	Peel - ppi	65	52
QC NAME:	CHERYL HINA	Shear - ppi	81	81

Trial No.	Date	Sample Time	Air Temp	Mater Type	Tech Initials	Machn No.	Wedge Barrel	Speed Preheat	Peel (ppi)					Shear (ppi)					Pass Fail			
									1	2	3	4	5	1	2	3	4	5				
34	08/13/18	0725	68	TT	FR	X89	500	500	84		99					101	94					P

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PROJECT NAME:	AMEREN MEREDOSIA-BOTTOM ASH POND
PROJECT NO.:	18009
MATERIAL TYPE:	40MIL HD MICRO SPIKE
MATERIAL LAYER:	PRIMARY
QC NAME:	CHERYL HINA

Seam Number	Date	Time	Seam Length (FT)	Seamer Initials	Machine Number	Wedge / Barrel	Speed / Preheat	Trial Seam No.	Comments	Non Destructive Testing Completion Date
3-4	08/09/18	0857	21.5	BR	W114	750	7.5	1		
2-3	08/09/18	0848	39.5	BR	W114	750	7.5	1		
1-2	08/09/18	0828	51.5	BR	W114	750	7.5	1		
1-8	08/09/18	0845	35	JM	W120	750	8.5	4		
7-8	08/09/18	0904	23	JM	W120	750	8	5		
7-9	08/09/18	0908	33.5	JM	W120	750	8	5		
8-9	08/09/18	0853	24.5	JM	W120	750	8.5	4		
6-7	08/09/18	0844	69.5	LH	W118	750	7.5	7		
5-6	08/09/18	0859	78	LH	W118	750	7.5	7		
1-7	08/09/18	0933	23.5	JM	W120	750	8	5		
1-6	08/09/18	0930	23.5	JM	W120	750	8	5		
1-5	08/09/18	0939	20	JM	W120	750	8	5		
5-10	08/09/18	0927	100	LH	W118	750	7.5	7		
10-11	08/09/18	0955	73	JM	W120	750	8.5	4		
10-12	08/09/18	0953	27	JM	W120	750	8.5	4		
11-16	08/09/18	1033	29	JM	W120	750	8	5		
11-15	08/09/18	1030	26	JM	W120	750	8	5		
11-14	08/09/18	1029	9	JM	W120	750	8	5		
12-14	08/09/18	1027	16.5	JM	W120	750	8	5		
15-16	08/09/18	1012	29	LH	W118	750	7.5	7		

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 PANEL SEAMING FORM



PROJECT NAME:	AMEREN MEREDOSIA-BOTTOM ASH POND
PROJECT NO.:	18009
MATERIAL TYPE:	40MIL HD MICRO SPIKE
MATERIAL LAYER:	PRIMARY
QC NAME:	CHERYL HINA

Seam Number	Date	Time	Seam Length (FT)	Seamer Initials	Machine Number	Wedge / Barrel	Speed / Preheat	Trial Seam No.	Comments	Non Destructive Testing Completion Date
14-15	08/09/18	1002	52.5	LH	W118	750	7.5	7		
13-14	08/09/18	0924	70	BR	W114	750	7.5	1		
11-12	08/09/18	0911	22.5	BR	W114	750	7	3		
13-17	08/09/18	0936	90	BR	W114	750	7.5	1		
12-13	08/09/18	1040	19	JM	W120	750	7.5	6		
17-18	08/09/18	0959	86	BR	W114	750	7.5	1		
18-21	08/09/18	1106	36	BR	W114	750	7.5	2		
18-20	08/09/18	1103	30	BR	W114	750	7.5	2		
18-19	08/09/18	1059	30	BR	W114	750	7.5	2		
20-21	08/09/18	1027	36	BR	W114	750	7.5	1		
19-20	08/09/18	1014	61	BR	W114	750	7.5	1		
19-22	08/09/18	1030	84	LH	W118	750	7.5	7		
22-23	08/09/18	1049	88.5	LH	W118	750	7.5	7		
23-24	08/09/18	1101	90	LH	W118	750	7.5	7		
1-25	08/09/18	1113	32	JM	W120	750	8	5		
12-25	08/09/18	1108	8	JM	W120	750	8	5		
10-25	08/09/18	1109	23	JM	W120	750	8	5		
5-25	08/09/18	1111	22.5	JM	W120	750	8	5		
25-26	08/09/18	1120	87	BR	W114	750	7.5	1		
26-27	08/09/18	1122	110.5	LH	W118	750	7.5	7		

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PROJECT NAME:	AMEREN MEREDOSIA-BOTTOM ASH POND
PROJECT NO.:	18009
MATERIAL TYPE:	40MIL HD MICRO SPIKE
MATERIAL LAYER:	PRIMARY
QC NAME:	CHERYL HINA

Seam Number	Date	Time	Seam Length (FT)	Seamer Initials	Machine Number	Wedge / Barrel	Speed / Preheat	Trial Seam No.	Comments	Non Destructive Testing Completion Date
27-28	08/09/18	1132	109	JM	W120	750	8.5	4		
28-29	08/09/18	1139	103	BR	W114	750	7.5	1		
29-31	08/09/18	1311	22	BR	W114	750	7.5	9		
30-31	08/09/18	1309	8	BR	W114	750	7.5	10		
29-30	08/09/18	1140	39	LH	W118	750	7.5	7		
13-25	08/09/18	1320	12	JM	W120	750	8.5	12		
17-26	08/09/18	1319	12	JM	W120	750	8.5	12		
18-26	08/09/18	1318	13.5	JM	W120	750	8.5	12		
18-27	08/09/18	1317	13	JM	W120	750	8.5	12		
22-27	08/09/18	1316	12	JM	W120	750	8.5	12		
22-28	08/09/18	1315	11.5	JM	W120	750	8.5	12		
23-28	08/09/18	1314	12	JM	W120	750	8.5	12		
23-29	08/09/18	1313	10.5	JM	W120	750	8.5	12		
24-29	08/09/18	1311	13.25	JM	W120	750	8.5	12		
24-30	08/09/18	1310	9.75	JM	W120	750	8.5	12		
30-34	08/09/18	1300	13.5	BR	W114	750	7.5	9		
30-32	08/09/18	1304	16	BR	W114	750	7.5	9		
32-33	08/09/18	1318	24	BR	W114	750	7.5	8		
32-34	08/09/18	1324	52	LH	W118	750	9.5	13		
34-35	08/09/18	1334	54.5	BR	W114	750	7.5	8		



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 PANEL SEAMING FORM

PROJECT NAME:	AMEREN MEREDOSIA-BOTTOM ASH POND
PROJECT NO.:	18009
MATERIAL TYPE:	40MIL HD MICRO SPIKE
MATERIAL LAYER:	PRIMARY
QC NAME:	CHERYL HINA

Seam Number	Date	Time	Seam Length (FT)	Seamer Initials	Machine Number	Wedge / Barrel	Speed / Preheat	Trial Seam No.	Comments	Non Destructive Testing Completion Date
35-36	08/09/18	1342	55	JM	W120	750	9	11		
36-37	08/09/18	1350	55	LH	W118	750	9.5	13		
37-38	08/09/18	1359	55	JM	W120	750	9	11		
38-39	08/09/18	1409	56	LH	W118	750	9.5	13		
39-40	08/09/18	1414	56	BR	W114	750	7.5	8		
40-41	08/09/18	1422	58	JM	W120	750	9	11		
41-42	08/09/18	1429	58	BR	W114	750	7.5	8		
42-43	08/09/18	1434	56	LH	W118	750	9.5	13		
43-44	08/09/18	1441	52	JM	W120	750	9	11		
44-45	08/09/18	1447	48	BR	W114	750	7.5	8		
45-46	08/09/18	1450	45	BR	W114	750	7.5	8		
46-47	08/09/18	1452	44	JM	W120	750	9	11		
47-48	08/09/18	1507	44	JM	W120	750	9	11		
48-49	08/09/18	1504	43.5	LH	W118	750	9.5	13		
49-50	08/10/18	0816	42	LH	W118	750	7.5	20		
50-51	08/10/18	0820	40	LH	W118	750	7.5	20		
51-52	08/10/18	0839	39	LH	W118	750	7.5	20		
52-53	08/10/18	0822	39	JM	W120	750	9	17		
53-54	08/10/18	0831	38.5	JM	W120	750	9	17		
54-55	08/10/18	0837	37.5	JM	W120	750	9	17		



PROJECT NAME:	AMEREN MEREDOSIA-BOTTOM ASH POND
PROJECT NO.:	18009
MATERIAL TYPE:	40MIL HD MICRO SPIKE
MATERIAL LAYER:	PRIMARY
QC NAME:	CHERYL HINA

Seam Number	Date	Time	Seam Length (FT)	Seamer Initials	Machine Number	Wedge / Barrel	Speed / Preheat	Trial Seam No.	Comments	Non Destructive Testing Completion Date
55-56	08/10/18	0845	35	JM	W120	750	9	17		
56-57	08/10/18	0839	34.5	BR	W114	750	7.5	14		
57-58	08/10/18	0829	37	BR	W114	750	7.5	14		
24-62	08/10/18	0957	32.5	BR	W114	750	7.5	15		
61-62	08/10/18	0913	32	BR	W114	750	7.5	14		
24-61	08/10/18	1000	32	BR	W114	750	7.5	15		
24-60	08/10/18	1004	31.5	BR	W114	750	7.5	15		
24-59	08/10/18	1008	6	BR	W114	750	7.5	15		
59-60	08/10/18	0900	85	JM	W120	750	9	17		
60-61	08/10/18	0924	64	LH	W118	750	7.5	20		
59-63	08/10/18	0936	87	JM	W120	750	9	17		
63-64	08/10/18	0937	89	LH	W118	750	7.5	20		
64-65	08/10/18	1001	91	LH	W118	750	7.5	20		
65-66	08/10/18	1002	91	JM	W120	750	9	17		
66-67	08/10/18	1018	91	JM	W120	750	9	17		
67-68	08/10/18	1027	92	LH	W118	750	7.5	20		
68-69	08/10/18	1027	93	BR	W114	750	7.5	14		
69-71	08/10/18	1103	29	JM	W120	750	9	17		
70-71	08/10/18	1044	22.5	JM	W120	750	8	19		
69-70	08/10/18	1105	65	JM	W120	750	9	17		

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PROJECT NAME:	AMEREN MEREDOSIA-BOTTOM ASH POND
PROJECT NO.:	18009
MATERIAL TYPE:	40MIL HD MICRO SPIKE
MATERIAL LAYER:	PRIMARY
QC NAME:	CHERYL HINA

Seam Number	Date	Time	Seam Length (FT)	Seamer Initials	Machine Number	Wedge / Barrel	Speed / Preheat	Trial Seam No.	Comments	Non Destructive Testing Completion Date
70-72	08/10/18	1057	66	BR	W114	750	7.5	14		
71-72	08/10/18	1054	27.5	BR	W114	750	7.5	14		
72-73	08/10/18	1100	93	LH	W118	750	7.5	20		
73-74	08/10/18	1118	92	BR	W114	750	7.5	14		
74-75	08/10/18	1115	91	LH	W118	750	7.5	20		
75-76	08/10/18	1127	91	JM	W120	750	9	17		
76-77	08/10/18	1133	92	LH	W118	750	7.5	20		
77-78	08/10/18	1140	95	BR	W114	750	7.5	14		
78-79	08/10/18	1147	95	JM	W120	750	9	17		
79-80	08/10/18	1150	90	LH	W118	750	7.5	20		
80-81	08/10/18	1317	88	LH	W118	750	9	22		
81-82	08/10/18	1336	85	LH	W118	750	9	22		
57-83	08/10/18	1454	21.5	JM	W120	750	8.5	28		
58-83	08/10/18	1458	16	JM	W120	750	8.5	28		
83-84	08/10/18	1346	35	JM	W120	750	9	23		
84-85	08/10/18	1336	33	JM	W120	750	9	23		
85-86	08/10/18	1416	32	JM	W120	750	8.5	28		
86-87	08/10/18	1554	39.5	LH	W118	750	9	22		
87-88	08/10/18	1412	96	LH	W118	750	9	22		
79-87	08/10/18	1528	20.5	JM	W120	750	8.5	28		



PROJECT NAME:	AMEREN MEREDOSIA-BOTTOM ASH POND
PROJECT NO.:	18009
MATERIAL TYPE:	40MIL HD MICRO SPIKE
MATERIAL LAYER:	PRIMARY
QC NAME:	CHERYL HINA

Seam Number	Date	Time	Seam Length (FT)	Seamer Initials	Machine Number	Wedge / Barrel	Speed / Preheat	Trial Seam No.	Comments	Non Destructive Testing Completion Date
80-87	08/10/18	1524	22.5	JM	W120	750	8.5	28		
81-87	08/10/18	1522	22.5	JM	W120	750	8.5	28		
82-87	08/10/18	1520	23	JM	W120	750	8.5	28		
82-86	08/10/18	1441	10	JM	W120	750	8.5	28		
82-85	08/10/18	1442	22.5	JM	W120	750	8.5	28		
82-84	08/10/18	1444	22.5	JM	W120	750	8.5	28		
82-83	08/10/18	1446	22.5	JM	W120	750	8.5	28		
30-62	08/10/18	1650	13.5	BR	W114	750	8	27		
34-62	08/10/18	1652	15	BR	W114	750	8	27		
34-61	08/10/18	1658	11	BR	W114	750	8	27	N TO S	
34-61	08/10/18	-	1	BR	W114	750	8	27	W TO E	
35-61	08/10/18	1403	21.5	BR	W114	750	8	27		
35-60	08/10/18	-	1	BR	W114	750	8	27		
36-60	08/10/18	1410	22	BR	W114	750	8	27		
36-59	08/10/18	-	1.5	BR	W114	750	8	27		
37-59	08/10/18	1415	21.5	BR	W114	750	8	27		
37-63	08/10/18	-	1	BR	W114	750	8	27		
38-63	08/10/18	1421	21.5	BR	W114	750	8	27		
38-64	08/10/18	-	1	BR	W114	750	8	27		
39-64	08/10/18	1435	21.5	BR	W114	750	8	27		



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PROJECT NAME:	AMEREN MEREDOSIA-BOTTOM ASH POND
PROJECT NO.:	18009
MATERIAL TYPE:	40MIL HD MICRO SPIKE
MATERIAL LAYER:	PRIMARY
QC NAME:	CHERYL HINA

Seam Number	Date	Time	Seam Length (FT)	Seamer Initials	Machine Number	Wedge / Barrel	Speed / Preheat	Trial Seam No.	Comments	Non Destructive Testing Completion Date
39-65	08/10/18	-	1	BR	W114	750	8	27		
40-65	08/10/18	1442	22	BR	W114	750	8	27		
40-66	08/10/18	-	0.5	BR	W114	750	8	27		
41-66	08/10/18	1512	22	BR	W114	750	8	27		
41-67	08/10/18	-	0.5	BR	W114	750	8	27		
42-67	08/10/18	1514	22	BR	W114	750	8	27		
42-68	08/10/18	-	0.5	BR	W114	750	8	27		
43-68	08/10/18	1516	22	BR	W114	750	8	27		
43-69	08/10/18	-	0.5	BR	W114	750	8	27		
44-69	08/10/18	1518	22	BR	W114	750	8	27		
44-71	08/10/18	-	0.5	BR	W114	750	8	27		
45-71	08/10/18	1519	22	BR	W114	750	8	27		
45-72	08/10/18	-	0.5	BR	W114	750	8	27		
46-72	08/10/18	1538	22.5	BR	W114	750	8	27		
47-73	08/10/18	1540	22.5	BR	W114	750	8	27		
48-74	08/10/18	1542	22.5	BR	W114	750	8	27		
49-75	08/10/18	1543	22.5	BR	W114	750	8	27		
50-76	08/10/18	1545	22.5	BR	W114	750	8	27		
51-77	08/10/18	1548	22.5	BR	W114	750	8	27		
52-78	08/10/18	1549	22.5	BR	W114	750	8	27		



PROJECT NAME:	AMEREN MEREDOSIA-BOTTOM ASH POND
PROJECT NO.:	18009
MATERIAL TYPE:	40MIL HD MICRO SPIKE
MATERIAL LAYER:	PRIMARY
QC NAME:	CHERYL HINA

Seam Number	Date	Time	Seam Length (FT)	Seamer Initials	Machine Number	Wedge / Barrel	Speed / Preheat	Trial Seam No.	Comments	Non Destructive Testing Completion Date
53-79	08/10/18	1556	22.5	BR	W114	750	8	27		
54-80	08/10/18	1557	22	BR	W114	750	8	27		
55-80	08/10/18	-	0.5	BR	W114	750	8	27		
55-81	08/10/18	1600	22	BR	W114	750	8	27		
56-81	08/10/18	-	0.5	BR	W114	750	8	27		
56-82	08/10/18	1604	21.5	BR	W114	750	8	27		
57-82	-	PATCH	6	-	-	-	-	-	N TO S	
57-82	08/10/18	-	1	BR	W114	750	8	27	E TO W	

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NON-DESTRUCTIVE TESTING FORM



PROJECT NAME:	AMEREN MEREDOSIA-BOTTOM AS	Test Criteria	AIR TEST	Test Criteria	Vacuum Test
PROJECT NO.:	18009	Start Pressure	30 PSI	Vac. Time	10 SEC
MATERIAL TYPE:	40 MIL HDPE MICROSPIKE	Test Time	5 MIN	Vac. Pres.	5 PSI
MATERIAL LAYER:	PRIMARY	Accept. Drop	3 PSI		
QC NAME:	CHERYL HINA				

Seam Number	Test Date	Tech Initials	Test Type (A or V)	Air Pressure Test		Time		Test Result (P or F)	Test Locations
				PSI Start	PSI Finish	Start	End		
3-4	08/09/18	PG	A	30	30	1342	1347	P	ENTIRE LENGTH OF SEAM
2-3	08/09/18	PG	A	30	30	1345	1350	P	ENTIRE LENGTH OF SEAM
1-2	08/09/18	PG	A	30	30	1347	1352	P	ENTIRE LENGTH OF SEAM
1-8	08/09/18	PG	A	30	30	1348	1353	P	ENTIRE LENGTH OF SEAM
7-8	08/09/18	PG	A	30	30	1357	1402	P	ENTIRE LENGTH OF SEAM
7-9	08/09/18	PG	A	30	30	1401	1406	P	ENTIRE LENGTH OF SEAM
8-9	08/09/18	PG	A	30	30	1400	1405	P	ENTIRE LENGTH OF SEAM
6-7	08/09/18	PG	A	30	30	1412	1417	P	ENTIRE LENGTH OF SEAM
5-6	08/09/18	PG	A	30	30	1414	1419	P	ENTIRE LENGTH OF SEAM
1-7	08/09/18	PG	A	30	30	1356	1401	P	ENTIRE LENGTH OF SEAM
1-6	08/09/18	PG	A	30	30	1413	1418	P	ENTIRE LENGTH OF SEAM
1-5	08/09/18	PG	A	30	30	1417	1422	P	ENTIRE LENGTH OF SEAM
5-10	08/09/18	PG	A	30	30	1422	1427	P	ENTIRE LENGTH OF SEAM
10-11	08/09/18	PG	A	30	30	1430	1435	P	ENTIRE LENGTH OF SEAM
10-12	08/09/18	PG	A	30	30	1443	1448	P	ENTIRE LENGTH OF SEAM
11-16	08/09/18	PG	A	30	30	1507	1512	P	ENTIRE LENGTH OF SEAM
11-15	08/09/18	PG	A	30	30	1501	1506	P	ENTIRE LENGTH OF SEAM
11-14	08/09/18	PG	A	30	30	1454	1459	P	ENTIRE LENGTH OF SEAM
12-14	08/09/18	PG	A	30	30	1453	1458	P	ENTIRE LENGTH OF SEAM

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NON-DESTRUCTIVE TESTING FORM



PROJECT NAME:	AMEREN MEREDOSIA-BOTTOM AS	Test Criteria	AIR TEST	Test Criteria	Vacuum Test
PROJECT NO.:	18009	Start Pressure	30 PSI	Vac. Time	10 SEC
MATERIAL TYPE:	40 MIL HDPE MICROSPIKE	Test Time	5 MIN	Vac. Pres.	5 PSI
MATERIAL LAYER:	PRIMARY	Accept. Drop	3 PSI		
QC NAME:	CHERYL HINA				

Seam Number	Test Date	Tech Initials	Test Type (A or V)	Air Pressure Test		Time		Test Result (P or F)	Test Locations
				PSI Start	PSI Finish	Start	End		
15-16	08/09/18	PG	A	30	30	1511	1516	P	NEOS TO8'
15-16	08/09/18	PG	A	30	30	1513	1518	P	8' TO SEOS
14-15	08/09/18	PG	A	30	30	1455	1500	P	ENTIRE LENGTH OF SEAM
13-14	08/09/18	PG	A	30	30	1544	1549	P	SEOS TO 21'
13-14	08/09/18	PG	A	30	30	1537	1542	P	21' TO NEOS
11-12	08/09/18	PG	A	30	30	1444	1449	P	ENTIRE LENGTH OF SEAM
13-17	08/09/18	PG	A	30	30	1540	1545	P	ENTIRE LENGTH OF SEAM
12-13	08/09/18	PG	A	30	30	1528	1533	P	ENTIRE LENGTH OF SEAM
17-18	08/09/18	PG	A	30	30	1548	1553	P	ENTIRE LENGTH OF SEAM
18-21	08/09/18	PG	A	30	30	1602	1607	P	ENTIRE LENGTH OF SEAM
18-20	08/09/18	PG	A	30	30	1603	1608	P	ENTIRE LENGTH OF SEAM
18-19	08/09/18	PG	A	30	30	1612	1617	P	ENTIRE LENGTH OF SEAM
20-21	08/09/18	PG	A	30	30	1604	1609	P	ENTIRE LENGTH OF SEAM
19-20	08/09/18	PG	A	30	30	1610	1615	P	ENTIRE LENGTH OF SEAM
19-22	08/09/18	PG	A	30	30	1615	1620	P	ENTIRE LENGTH OF SEAM
22-23	08/09/18	PG	A	30	30	1617	1622	P	ENTIRE LENGTH OF SEAM
23-24	08/09/18	PG	A	30	30	1619	1624	P	ENTIRE LENGTH OF SEAM
1-25	08/09/18	PG	A	30	30	1426	1431	P	ENTIRE LENGTH OF SEAM
12-25	08/09/18	PG	A	30	30	1435	1440	P	ENTIRE LENGTH OF SEAM

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NON-DESTRUCTIVE TESTING FORM



PROJECT NAME:	AMEREN MEREDOSIA-BOTTOM AS	Test Criteria	AIR TEST	Test Criteria	Vacuum Test
PROJECT NO.:	18009	Start Pressure	30 PSI	Vac. Time	10 SEC
MATERIAL TYPE:	40 MIL HDPE MICROSPIKE	Test Time	5 MIN	Vac. Pres.	5 PSI
MATERIAL LAYER:	PRIMARY	Accept. Drop	3 PSI		
QC NAME:	CHERYL HINA				

Seam Number	Test Date	Tech Initials	Test Type (A or V)	Air Pressure Test		Time		Test Result (P or F)	Test Locations
				PSI Start	PSI Finish	Start	End		
10-25	08/09/18	PG	A	30	30	1438	1438	P	ENTIRE LENGTH OF SEAM
5-25	08/09/18	PG	A	30	30	1432	1432	P	ENTIRE LENGTH OF SEAM
25-26	08/09/18	PG	A	30	30	1623	1628	P	SEOS TO 76'
25-26	08/10/18	PG	A	30	30	749	754	P	76' TO NEOS
26-27	08/10/18	PG	A	30	30	753	758	P	NEOS TO 11'
26-27	08/10/18	PG	A	30	30	752	757	P	11' TO 19'
26-27	08/10/18	PG	A	30	30	747	752	P	19' TO 27'
26-27	08/10/18	PG	A	30	30	745	750	P	27' TO 93'
26-27	08/10/18	PG	A	30	30	736	741	P	93' TO 100'
26-27	08/10/18	PG	A	30	30	735	740	P	100' TO SEOS
27-28	08/10/18	PG	A	30	30	756	801	P	ENTIRE LENGTH OF SEAM
28-29	-	-	PATCH	-	-	-	-	-	NEOS TO 5'
28-29	08/10/18	PG	A	30	30	809	814	P	5' TO 34'
28-29	08/10/18	PG	A	30	30	804	809	P	34' TO SEOS
29-31	08/10/18	PG	A	30	30	835	840	P	ENTIRE LENGTH OF SEAM
30-31	08/10/18	PG	A	30	30	833	838	P	ENTIRE LENGTH OF SEAM
29-30	08/10/18	PG	A	30	30	826	831	P	ENTIRE LENGTH OF SEAM
13-25	08/09/18	PG	A	30	30	1529	1534	P	ENTIRE LENGTH OF SEAM
17-26	08/09/18	PG	A	30	30	1550	1555	P	ENTIRE LENGTH OF SEAM

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NON-DESTRUCTIVE TESTING FORM



PROJECT NAME:	AMEREN MEREDOSIA-BOTTOM AS	Test Criteria	AIR TEST	Test Criteria	Vacuum Test
PROJECT NO.:	18009	Start Pressure	30 PSI	Vac. Time	10 SEC
MATERIAL TYPE:	40 MIL HDPE MICROSPIKE	Test Time	5 MIN	Vac. Pres.	5 PSI
MATERIAL LAYER:	PRIMARY	Accept. Drop	3 PSI		
QC NAME:	CHERYL HINA				

Seam Number	Test Date	Tech Initials	Test Type (A or V)	Air Pressure Test		Time		Test Result (P or F)	Test Locations
				PSI Start	PSI Finish	Start	End		
18-26	08/09/18	PG	A	30	30	1558	1603	P	ENTIRE LENGTH OF SEAM
18-27	08/09/18	PG	A	30	30	1559	1604	P	ENTIRE LENGTH OF SEAM
22-27	08/10/18	PG	A	30	30	813	818	P	ENTIRE LENGTH OF SEAM
22-28	08/10/18	PG	A	30	30	814	819	P	ENTIRE LENGTH OF SEAM
23-28	08/10/18	PG	A	30	30	818	823	P	ENTIRE LENGTH OF SEAM
23-29	08/10/18	PG	A	30	30	819	824	P	ENTIRE LENGTH OF SEAM
24-29	08/10/18	PG	A	30	30	825	830	P	ENTIRE LENGTH OF SEAM
24-30	08/10/18	PG	A	30	30	827	832	P	ENTIRE LENGTH OF SEAM
30-34	08/10/18	PG	A	30	30	841	846	P	ENTIRE LENGTH OF SEAM
30-32	08/10/18	PG	A	30	30	842	847	P	ENTIRE LENGTH OF SEAM
32-33	08/10/18	PG	A	30	30	850	855	P	ENTIRE LENGTH OF SEAM
32-34	-	-	PATCH	-	-	-	-	-	SEOS TO 11'
32-34	08/10/18	PG	A	30	30	851	856	P	11' TO NEOS
34-35	08/10/18	PG	A	30	30	854	859	P	SEOS TO 9'
34-35	08/10/18	PG	A	30	30	857	902	P	9' TO NEOS
35-36	08/10/18	PG	A	30	30	905	910	P	ENTIRE LENGTH OF SEAM
36-37	08/10/18	PG	A	30	30	909	914	P	SEOS TO 11'
36-37	08/10/18	PG	A	30	30	910	915	P	11' TO NEOS
37-38	08/10/18	PG	A	30	30	918	923	P	NEOS TO 47'

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NON-DESTRUCTIVE TESTING FORM



PROJECT NAME:	AMEREN MEREDOSIA-BOTTOM AS	Test Criteria	AIR TEST	Test Criteria	Vacuum Test
PROJECT NO.:	18009	Start Pressure	30 PSI	Vac. Time	10 SEC
MATERIAL TYPE:	40 MIL HDPE MICROSPIKE	Test Time	5 MIN	Vac. Pres.	5 PSI
MATERIAL LAYER:	PRIMARY	Accept. Drop	3 PSI		
QC NAME:	CHERYL HINA				

Seam Number	Test Date	Tech Initials	Test Type (A or V)	Air Pressure Test		Time		Test Result (P or F)	Test Locations
				PSI Start	PSI Finish	Start	End		
37-38	08/10/18	PG	A	30	30	921	927	P	47' TO SEOS
38-39	08/10/18	PG	A	30	30	927	932	P	SEOS TO 9'
38-39	08/10/18	PG	A	30	30	930	935	P	9' TO NEOS
39-40	08/10/18	PG	A	30	30	931	936	P	ENTIRE LENGTH OF SEAM
40-41	-	-	PATCH	-	-	-	-	-	SEOS TO 8'
40-41	08/10/18	PG	A	30	30	936	941	P	8' TO NEOS
41-42	08/10/18	PG	A	30	30	952	957	P	SEOS TO 8'
41-42	08/10/18	PG	A	30	30	940	945	P	8' TO NEOS
42-43	08/10/18	PG	A	30	30	954	959	P	SEOS TO 7'
42-43	08/10/18	PG	A	30	30	956	1001	P	7' TO NEOS
43-44	08/10/18	PG	A	30	30	1000	1005	P	ENTIRE LENGTH OF SEAM
44-45	08/10/18	PG	A	30	30	1002	1007	P	SEOS TO 8'
44-45	08/10/18	PG	A	30	30	1003	1008	P	8' TO NEOS
45-46	08/10/18	PG	A	30	30	1023	1028	P	SEOS TO 8'
45-46	08/10/18	PG	A	30	30	1009	1014	P	8' TO NEOS
46-47	08/10/18	PG	A	30	30	1025	1030	P	SEOS TO 7'
46-47	08/10/18	PG	A	30	30	1027	1032	P	7' TO NEOS
47-48	08/10/18	PG	A	30	30	1030	1035	P	ENTIRE LENGTH OF SEAM
48-49	08/10/18	PG	A	30	30	1032	1037	P	SEOS TO 10'

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NON-DESTRUCTIVE TESTING FORM



PROJECT NAME:	AMEREN MEREDOSIA-BOTTOM AS	Test Criteria	AIR TEST	Test Criteria	Vacuum Test
PROJECT NO.:	18009	Start Pressure	30 PSI	Vac. Time	10 SEC
MATERIAL TYPE:	40 MIL HDPE MICROSPIKE	Test Time	5 MIN	Vac. Pres.	5 PSI
MATERIAL LAYER:	PRIMARY	Accept. Drop	3 PSI		
QC NAME:	CHERYL HINA				

Seam Number	Test Date	Tech Initials	Test Type (A or V)	Air Pressure Test		Time		Test Result (P or F)	Test Locations
				PSI Start	PSI Finish	Start	End		
48-49	08/10/18	PG	A	30	30	1034	1039	P	10' TO NEOS
49-50	08/10/18	PG	A	30	30	1037	1042	P	SEOS TO 9'
49-50	08/10/18	PG	A	30	30	1042	1047	P	9' TO NEOS
50-51	08/10/18	PG	A	30	30	1045	1050	P	SEOS TO 9'
50-51	08/10/18	PG	A	30	30	1048	1053	P	9' TO NEOS
51-52	08/10/18	PG	A	30	30	1052	1057	P	ENTIRE LENGTH OF SEAM
52-53	08/10/18	PG	A	30	30	1054	1059	P	SEOS TO 7'
52-53	08/10/18	PG	A	30	30	1056	1101	P	7' TO NEOS
53-54	08/10/18	PG	A	30	30	1105	1110	P	SEOS TO 7'
53-54	08/10/18	PG	A	30	30	1106	1111	P	7' TO NEOS
54-55	08/10/18	PG	A	30	30	1109	1114	P	SEOS TO 7'
54-55	08/10/18	PG	A	30	30	1108	1113	P	7' TO NEOS
55-56	08/10/18	PG	A	30	30	1113	1118	P	ENTIRE LENGTH OF SEAM
56-57	08/10/18	PG	A	30	30	1116	1121	P	SEOS TO 5'
56-57	08/10/18	PG	A	30	30	1117	1122	P	5' TO NEOS
57-58	08/10/18	PG	A	30	30	1120	1125	P	SEOS TO 8'
57-58	08/10/18	PG	A	30	30	1119	1124	P	8' TO NEOS
24-62	08/10/18	PG	A	30	30	1138	1143	P	ENTIRE LENGTH OF SEAM
61-62	08/10/18	PG	A	30	30	1144	1139	P	ENTIRE LENGTH OF SEAM

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NON-DESTRUCTIVE TESTING FORM



PROJECT NAME:	AMEREN MEREDOSIA-BOTTOM AS	Test Criteria	AIR TEST	Test Criteria	Vacuum Test
PROJECT NO.:	18009	Start Pressure	30 PSI	Vac. Time	10 SEC
MATERIAL TYPE:	40 MIL HDPE MICROSPIKE	Test Time	5 MIN	Vac. Pres.	5 PSI
MATERIAL LAYER:	PRIMARY	Accept. Drop	3 PSI		
QC NAME:	CHERYL HINA				

Seam Number	Test Date	Tech Initials	Test Type (A or V)	Air Pressure Test		Time		Test Result (P or F)	Test Locations
				PSI Start	PSI Finish	Start	End		
24-61	08/10/18	PG	A	30	30	1140	1145	P	ENTIRE LENGTH OF SEAM
24-60	08/10/18	PG	A	30	30	1251	1256	P	ENTIRE LENGTH OF SEAM
24-59	08/10/18	PG	A	30	30	1256	1301	P	ENTIRE LENGTH OF SEAM
59-60	08/10/18	PG	A	30	30	1254	1259	P	SEOS TO 24'
59-60	08/10/18	PG	A	30	30	1259	1304	P	24' TO NEOS
60-61	08/10/18	PG	A	30	30	1250	1255	P	ENTIRE LENGTH OF SEAM
59-63	08/10/18	PG	A	30	30	1306	1311	P	ENTIRE LENGTH OF SEAM
63-64	08/10/18	PG	A	30	30	1313	1318	P	ENTIRE LENGTH OF SEAM
64-65	08/10/18	PG	A	30	30	1310	1321	P	ENTIRE LENGTH OF SEAM
65-66	08/10/18	PG	A	30	30	1347	1352	P	ENTIRE LENGTH OF SEAM
66-67	08/10/18	PG	A	30	30	1349	1354	P	ENTIRE LENGTH OF SEAM
67-68	08/10/18	PG	A	30	30	1350	1355	P	ENTIRE LENGTH OF SEAM
68-69	08/10/18	PG	A	30	30	1400	1405	P	ENTIRE LENGTH OF SEAM
69-71	08/10/18	PG	A	30	30	1415	1420	P	ENTIRE LENGTH OF SEAM
70-71	08/10/18	PG	A	30	30	1405	1410	P	ENTIRE LENGTH OF SEAM
69-70	08/10/18	PG	A	30	30	1401	1406	P	ENTIRE LENGTH OF SEAM
70-72	08/10/18	PG	A	30	30	1403	1408	P	ENTIRE LENGTH OF SEAM
71-72	08/10/18	PG	A	30	30	1417	1422	P	ENTIRE LENGTH OF SEAM
72-73	08/10/18	PG	A	30	30	1419	1424	P	ENTIRE LENGTH OF SEAM

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NON-DESTRUCTIVE TESTING FORM



PROJECT NAME:	AMEREN MEREDOSIA-BOTTOM AS	Test Criteria	AIR TEST	Test Criteria	Vacuum Test
PROJECT NO.:	18009	Start Pressure	30 PSI	Vac. Time	10 SEC
MATERIAL TYPE:	40 MIL HDPE MICROSPIKE	Test Time	5 MIN	Vac. Pres.	5 PSI
MATERIAL LAYER:	PRIMARY	Accept. Drop	3 PSI		
QC NAME:	CHERYL HINA				

Seam Number	Test Date	Tech Initials	Test Type (A or V)	Air Pressure Test		Time		Test Result (P or F)	Test Locations
				PSI Start	PSI Finish	Start	End		
73-74	08/10/18	PG	A	30	30	1424	1429	P	NEOS TO 55'
73-74	08/10/18	PG	A	30	30	1426	1431	P	55' TO SEOS
74-75	08/10/18	PG	A	30	30	1432	1437	P	ENTIRE LENGTH OF SEAM
75-76	08/10/18	PG	A	30	30	1433	1438	P	ENTIRE LENGTH OF SEAM
76-77	08/10/18	PG	A	30	30	1557	1602	P	NEOS TO 54'
76-77	08/10/18	PG	A	30	30	1556	1601	P	54' TO SEOS
77-78	08/10/18	PG	A	30	30	1512	1517	P	NEOS TO 64'
77-78	08/10/18	PG	A	30	30	1500	1505	P	64' TO SEOS
78-79	08/10/18	PG	A	30	30	1516	1521	P	SEOS TO 42'
78-79	08/10/18	PG	A	30	30	1522	1527	P	42' TO NEOS
79-80	08/10/18	PG	A	30	30	1530	1535	P	ENTIRE LENGTH OF SEAM
80-81	08/10/18	PG	A	30	30	1540	1545	P	NEOS TO 9'
80-81	08/10/18	PG	A	30	30	1536	1541	P	9' TO SEOS
81-82	08/10/18	PG	A	30	30	1546	1551	P	ENTIRE LENGTH OF SEAM
57-83	08/10/18	PG	A	30	30	1554	1559	P	WEOS TO 15'
57-83	08/10/18	PG	A	30	30	1555	1600	P	15' TO EEOS
58-83	08/10/18	PG	A	30	30	1557	1602	P	WEOS TO 14'
58-83	-	-	PATCH	-	-	-	-	-	14' TO EEOS
83-84	-	-	PATCH	-	-	-	-	-	EEOS TO 4'

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NON-DESTRUCTIVE TESTING FORM



PROJECT NAME:	AMEREN MEREDOSIA-BOTTOM AS	Test Criteria	AIR TEST	Test Criteria	Vacuum Test
PROJECT NO.:	18009	Start Pressure	30 PSI	Vac. Time	10 SEC
MATERIAL TYPE:	40 MIL HDPE MICROSPIKE	Test Time	5 MIN	Vac. Pres.	5 PSI
MATERIAL LAYER:	PRIMARY	Accept. Drop	3 PSI		
QC NAME:	CHERYL HINA				

Seam Number	Test Date	Tech Initials	Test Type (A or V)	Air Pressure Test		Time		Test Result (P or F)	Test Locations
				PSI Start	PSI Finish	Start	End		
83-84	08/10/18	PG	A	30	30	1602	1607	P	4' TO 18'
83-84	08/10/18	PG	A	30	30	1603	168	P	18' TO WEOS
84-85	08/10/18	PG	A	30	30	1607	1612	P	ENTIRE LENGTH OF SEAM
85-86	08/10/18	PG	A	30	30	1615	1620	P	ENTIRE LENGTH OF SEAM
86-87	08/10/18	PG	A	30	30	1616	1621	P	ENTIRE LENGTH OF SEAM
87-88	08/10/18	PG	A	30	30	-	-	P	EEOS TO 7'
87-88	08/10/18	PG	A	30	30	1618	1623	P	7' TO 88'
87-88	-	-	PATCH	-	-	-	-	-	88' TO WEOS
79-87	08/10/18	PG	A	30	30	1532	1537	P	6' TO NEOS
80-87	08/10/18	PG	A	30	30	1527	1532	P	ENTIRE LENGTH OF SEAM
81-87	08/10/18	PG	A	30	30	1538	1543	P	ENTIRE LENGTH OF SEAM
82-87	08/10/18	PG	A	30	30	1545	1550	P	ENTIRE LENGTH OF SEAM
82-86	08/10/18	PG	A	30	30	1614	1619	P	ENTIRE LENGTH OF SEAM
82-85	08/10/18	PG	A	30	30	1609	1614	P	ENTIRE LENGTH OF SEAM
82-84	08/10/18	PG	A	30	30	1608	1613	P	ENTIRE LENGTH OF SEAM
82-83	08/10/18	PG	A	30	30	1553	1558	P	ENTIRE LENGTH OF SEAM
30-62	08/11/18	PG	A	30	30	702	707	P	ENTIRE LENGTH OF SEAM
34-62	08/11/18	PG	A	30	30	703	708	P	ENTIRE LENGTH OF SEAM
34-61	08/11/18	PG	A	30	30	706	711	P	ENTIRE LENGTH OF SEAM



PROJECT NAME:	AMEREN MEREDOSIA-BOTTOM AS	Test Criteria	AIR TEST	Test Criteria	Vacuum Test
PROJECT NO.:	18009	Start Pressure	30 PSI	Vac. Time	10 SEC
MATERIAL TYPE:	40 MIL HDPE MICROSPIKE	Test Time	5 MIN	Vac. Pres.	5 PSI
MATERIAL LAYER:	PRIMARY	Accept. Drop	3 PSI		
QC NAME:	CHERYL HINA				

Seam Number	Test Date	Tech Initials	Test Type (A or V)	Air Pressure Test		Time		Test Result (P or F)	Test Locations
				PSI Start	PSI Finish	Start	End		
35-61	08/11/18	PG	A	30	30	709	714	P	ENTIRE LENGTH OF SEAM
35-60	-	-	PATCH	-	-	-	-	-	ENTIRE LENGTH OF SEAM
36-60	08/11/18	PG	A	30	30	712	717	P	ENTIRE LENGTH OF SEAM
36-59	-	-	PATCH	-	-	-	-	-	ENTIRE LENGTH OF SEAM
37-59	08/11/18	PG	A	30	30	713	718	P	ENTIRE LENGTH OF SEAM
37-63	-	-	PATCH	-	-	-	-	-	ENTIRE LENGTH OF SEAM
38-63	08/11/18	PG	A	30	30	720	725	P	ENTIRE LENGTH OF SEAM
38-64	-	-	PATCH	-	-	-	-	-	ENTIRE LENGTH OF SEAM
39-64	08/11/18	PG	A	30	30	721	726	P	ENTIRE LENGTH OF SEAM
39-65	-	-	PATCH	-	-	-	-	-	ENTIRE LENGTH OF SEAM
40-65	08/11/18	PG	A	30	30	729	734	P	ENTIRE LENGTH OF SEAM
40-66	-	-	PATCH	-	-	-	-	-	ENTIRE LENGTH OF SEAM
41-66	08/11/18	PG	A	30	30	730	735	P	ENTIRE LENGTH OF SEAM
41-67	-	-	PATCH	-	-	-	-	-	ENTIRE LENGTH OF SEAM
42-67	08/11/18	PG	A	30	30	735	740	P	ENTIRE LENGTH OF SEAM
42-68	-	-	PATCH	-	-	-	-	-	ENTIRE LENGTH OF SEAM
43-68	08/11/18	PG	A	30	30	736	741	P	ENTIRE LENGTH OF SEAM
43-69	-	-	PATCH	-	-	-	-	-	ENTIRE LENGTH OF SEAM
44-69	08/11/18	PG	A	30	30	745	750	P	ENTIRE LENGTH OF SEAM

Electronic Filing: Received, Clerk's Office 08/3/2023
NON-DESTRUCTIVE TESTING FORM



PROJECT NAME:	AMEREN MEREDOSIA-BOTTOM AS	Test Criteria	AIR TEST	Test Criteria	Vacuum Test
PROJECT NO.:	18009	Start Pressure	30 PSI	Vac. Time	10 SEC
MATERIAL TYPE:	40 MIL HDPE MICROSPIKE	Test Time	5 MIN	Vac. Pres.	5 PSI
MATERIAL LAYER:	PRIMARY	Accept. Drop	3 PSI		
QC NAME:	CHERYL HINA				

Seam Number	Test Date	Tech Initials	Test Type (A or V)	Air Pressure Test		Time		Test Result (P or F)	Test Locations
				PSI Start	PSI Finish	Start	End		
44-71	-	-	PATCH	-	-	-	-	-	ENTIRE LENGTH OF SEAM
45-71	08/11/18	PG	A	30	30	746	751	P	ENTIRE LENGTH OF SEAM
45-72	-	-	PATCH	-	-	-	-	-	ENTIRE LENGTH OF SEAM
46-72	08/11/18	PG	A	30	30	749	754	P	ENTIRE LENGTH OF SEAM
47-73	08/11/18	PG	A	30	30	750	755	P	ENTIRE LENGTH OF SEAM
48-74	08/11/18	PG	A	30	30	755	800	P	ENTIRE LENGTH OF SEAM
49-75	08/11/18	PG	A	30	30	801	806	P	ENTIRE LENGTH OF SEAM
50-76	08/11/18	PG	A	30	30	805	810	P	ENTIRE LENGTH OF SEAM
51-77	08/11/18	PG	A	30	30	806	811	P	ENTIRE LENGTH OF SEAM
52-78	08/11/18	PG	A	30	30	809	814	P	ENTIRE LENGTH OF SEAM
53-79	08/11/18	PG	A	30	30	810	815	P	ENTIRE LENGTH OF SEAM
54-80	08/11/18	PG	A	30	30	817	822	P	ENTIRE LENGTH OF SEAM
55-80	-	-	PATCH	-	-	-	-	-	ENTIRE LENGTH OF SEAM
55-81	08/11/18	PG	A	30	30	818	823	P	ENTIRE LENGTH OF SEAM
56-82	08/11/18	PG	A	30	30	820	825	P	ENTIRE LENGTH OF SEAM
57-82	N TO S	-	PATCH	-	-	-	-	-	ENTIRE LENGTH OF SEAM
57-82	E TO W	-	PATCH	-	-	-	-	-	ENTIRE LENGTH OF SEAM



PROJECT NAME:	AMEREN MEREDOSIA-BOTTOM ASH POND	Test Criteria	2P/2S	2P/2S
PROJECT NO.:	18009	Fusion Peel	65	65
MATERIAL TYPE:	40MIL HD MICRO SPIKE	Extrus Peel	52	52
MATERIAL LAYER:	PRIMARY	Peel Sep.	25%	25%
QC NAME:	CHERYL HINA	Shear	81	81

Sample I.D.	Seam NO.	Tech Initials	Machn No.	Peel (ppi)					Shear (ppi)					Pass Fail	SAMPLE LOCATION		
				1	2	3	4	5	1	2	3	4	5				
1	P45-P46	BR	W114	81	68	69	70					85	86			Pass	24' NEOS
2	P40-P41	JM	W120	69	72	67	68					82	84			Pass	29' NEOS
3	P36-P37	LH	W118	75	78	70	68					86	81			Pass	32' SEOS
4	P18-P20	BR	W114	74	69	77	70					83	85			Pass	19' NEOS
5	P5-P6	LH	W118	71	73	76	74					81	88			Pass	22' EEOS
6	P12-P13	JM	W120	87	84	76	77					82	85			Pass	8' SEOS
7	R25-P26	FR	X89	83		71						87	89			Pass	7' SEOS
8	P24-P61	BR	W114	82	73	74	69					83	87			Pass	11' NEOS
9	P64-P65	LH	W118	69	81	71	70					83	86			Pass	50' NEOS
10	P69-P71	JM	W120	70	75	69	71					81	84			Pass	23' NEOS
11	P55-P56	JM	W120	74	69	70	71					85	83			Pass	23' SEOS
12	75-76	JM	W120	89	93	93	94					109	98			Pass	40' NEOS



PROJECT NAME:	AMEREN MEREDOSIA-BOTTOM ASH POND	Test Criteria	2P/2S	2P/2S
PROJECT NO.:	18009	Fusion Peel	65	65
MATERIAL TYPE:	40MIL HD MICRO SPIKE	Extrus Peel	52	52
MATERIAL LAYER:	PRIMARY	Peel Sep.	25%	25%
QC NAME:	CHERYL HINA	Shear	81	81

Sample I.D.	Seam NO.	Tech Initials	Machn No.	Peel (ppi)					Shear (ppi)					Pass Fail	SAMPLE LOCATION		
				1	2	3	4	5	1	2	3	4	5				
13	82-84	JM	W120	82	87	72	85				106	101				Pass	10' NEOS

REPAIR FORM



PROJECT NAME:	AMEREN MEREDOSIA-BOTTOM ASH POND
PROJECT NO.:	18009
MATERIAL TYPE:	40MIL HD MICRO SPIKE
MATERIAL LAYER:	PRIMARY
QC NAME:	CHERYL HINA

Repair No.	Seam / Panel No.	Location of Repairs	Repair Date	Repair Tech	Repair Type*	Repair Time	Repair Size	Vacuum Test Date	Test Tech	Test P/F
1	7-8-9	-	08/10/18	FR	P	0822	2X2	08/13/18	SR	P
2	1-7-8	-	08/10/18	FR	P	0819	2X3	08/13/18	SR	P
3	1-2	SEOS	08/10/18	FR	P	0809	2X3	08/13/18	SR	P
4	1-6-7	-	08/10/18	FR	P	0805	2X2	08/13/18	SR	P
5	1-5-6	-	08/10/18	FR	P	0759	2X6	08/13/18	SR	P
6	10-11-12	-	08/10/18	FR	P	0825	2X2	08/13/18	SR	P
7	11-16	WEOS	08/10/18	FR	P	0940	3X4	08/13/18	SR	P
8	11-15-16	-	08/10/18	FR	P	0950	2X2	08/13/18	SR	P
9	11-14-15	-	08/10/18	FR	P	0910	2X3	08/13/18	SR	P
10	11-12-14	-	08/10/18	FR	P	0906	2X2	08/13/18	SR	P
11	12-13-14	-	08/10/18	FR	P	0845	2X3	08/13/18	SR	P
12	1-5-25	-	08/10/18	FR	P	0758	2X2	08/13/18	SR	P
13	5-10-25	-	08/10/18	FR	P	0830	2X2	08/13/18	SR	P
14	10-12-25	-	08/10/18	FR	P	0835	2X2	08/13/18	SR	P
15	12-13-25	-	08/10/18	FR	P	0840	2X5	08/13/18	SR	P
16	18-21	SEOS	08/10/18	FR	P	1008	3X6	08/13/18	SR	P
17	18-20-21		08/10/18	FR	P	1016	2X2	08/13/18	SR	P
18	18-19-20		08/10/18	FR	P	1021	2X4	08/13/18	SR	P
19	25-26	76' SEOS	08/10/18	FR	P	1107	2X3	08/13/18	SR	P
20	26-27	11' NEOS	08/10/18	FR	P	1109	2X2	08/13/18	SR	P
21	26-27	19' NEOS	08/10/18	FR	P	1112	2X2	08/13/18	SR	P

* Repair Type: P=Patch, C=Cap, B=Boot, DT=Destruct (with number), W= Weld, (explain any additional repairs)

REPAIR FORM



PROJECT NAME:	AMEREN MEREDOSIA-BOTTOM ASH POND
PROJECT NO.:	18009
MATERIAL TYPE:	40MIL HD MICRO SPIKE
MATERIAL LAYER:	PRIMARY
QC NAME:	CHERYL HINA

Repair No.	Seam / Panel No.	Location of Repairs	Repair Date	Repair Tech	Repair Type*	Repair Time	Repair Size	Vacuum Test Date	Test Tech	Test P/F
22	26-27	27' NEOS	08/10/18	FR	P	1120	2X2	08/13/18	SR	P
23	26-27	100' NEOS	08/10/18	FR	P	1035	2X2	08/13/18	SR	P
24	29-30-31	-	08/10/18	FR	P	1305	2X6	08/13/18	SR	P
25	13-17-25-26	-	08/10/18	FR	P	0850	11X12	08/13/18	SR	P
26	17-18-26	-	08/10/18	FR	P	1029	2X2	08/13/18	SR	P
27	18-26-27	-	08/10/18	FR	P	1032	2X2	08/13/18	SR	P
28	18-19-22-27	-	08/10/18	FR	P	1042	2X4	08/13/18	SR	P
29	22-27-28	-	08/10/18	FR	P	1045	2X2	08/13/18	SR	P
30	22-23-28	-	08/10/18	FR	P	1050	2X2	08/13/18	SR	P
31	23-28-29	-	08/10/18	FR	P	1055	2X2	08/13/18	SR	P
32	23-24-29	-	08/10/18	FR	P	1340	2X2	08/13/18	SR	P
33	24-29-30	-	08/10/18	FR	P	1342	2X2	08/13/18	SR	P
34	29-31	NEOS	08/10/18	FR	P	1315	4X13	08/13/18	SR	P
35	30-32	NEOS	08/10/18	FR	P	1345	3X4	08/13/18	SR	P
36	13-14	21' SEOS	08/10/18	FR	P	0955	2X2	08/13/18	SR	P
37	45-46	24' NEOS	08/11/18	BR	DT1	1014	2X4	08/13/18	SR	P
38	40-41	29' NEOS	08/11/18	FR	DT2	0858	2X5	08/13/18	SR	P
39	36-37	32' SEOS	08/11/18	FR	DT3	1159	2X5	08/13/18	SR	P
40	18-20	19' NEOS	08/10/18	FR	DT4	1019	2X5	08/13/18	SR	P
41	5-6	22' EEOS	08/10/18	FR	DT5	0931	2X5	08/13/18	SR	P

* Repair Type: P=Patch, C=Cap, B=Boot, DT=Destruct (with number), W= Weld, (explain any additional repairs)

REPAIR FORM



PROJECT NAME:	AMEREN MEREDOSIA-BOTTOM ASH POND
PROJECT NO.:	18009
MATERIAL TYPE:	40MIL HD MICRO SPIKE
MATERIAL LAYER:	PRIMARY
QC NAME:	CHERYL HINA

Repair No.	Seam / Panel No.	Location of Repairs	Repair Date	Repair Tech	Repair Type*	Repair Time	Repair Size	Vacuum Test Date	Test Tech	Test P/F
42	12-13	8' SEOS	08/10/18	FR	DT6	0859	2X5	08/13/18	SR	P
43	24-30-62	-	08/11/18	FR	P	0706	2X3	08/13/18	SR	P
44	28-29	NEOS TO 5'	08/10/18	FR	P	1130	2X2	08/13/18	SR	P
45	28-29	34' NEOS	08/10/18	FR	P	1135	2X2	08/13/18	SR	P
46	24-59-60	-	08/10/18	FR	P	1512	2X2	08/13/18	SR	P
47	24-60-61	-	08/10/18	FR	P	1514	2X2	08/13/18	SR	P
48	24-61-62	-	08/10/18	FR	P	1519	2X2	08/13/18	SR	P
49	R25-P26	7' SEOS	08/10/18	FR	DT7	1025	2X5	08/13/18	SR	P
50	30-32-34	-	08/10/18	FR	P	1350	2X2	08/13/18	SR	P
51	19-22	SEOS	08/10/18	FR	P	1509	3X4	08/13/18	SR	P
52	32-34	SEOS TO 13'	08/10/18	FR	P	1355	3X15	08/13/18	SR	P
53	32-33	SEOS	08/10/18	FR	P	1416	2X3	08/13/18	SR	P
54	15-16	8' NEOS	08/10/18	FR	P	0944	2X5	08/13/18	SR	P
55	26-27	93' NEOS	08/10/18	FR	P	1039	2X2	08/13/18	SR	P
56	3-4	SEOS	08/10/18	FR	P	0814	2X2	08/13/18	SR	P
57	2-3	SEOS	08/10/18	FR	P	0810	2X2	08/13/18	SR	P
58	59-60	24' SEOS	08/10/18	FR	P	1521	2X2	08/13/18	SR	P
59	64-65	50' NEOS	08/10/18	FR	DT9	1545	2X4	08/13/18	SR	P
60	69-71	23' NEOS	08/11/18	BR	DT10	0843	2X4	08/13/18	SR	P
61	69-70-71	-	08/11/18	BR	P	0840	2X3	08/13/18	SR	P

* Repair Type: P=Patch, C=Cap, B=Boot, DT=Destruct (with number), W= Weld, (explain any additional repairs)

REPAIR FORM



PROJECT NAME:	AMEREN MEREDOSIA-BOTTOM ASH POND
PROJECT NO.:	18009
MATERIAL TYPE:	40MIL HD MICRO SPIKE
MATERIAL LAYER:	PRIMARY
QC NAME:	CHERYL HINA

Repair No.	Seam / Panel No.	Location of Repairs	Repair Date	Repair Tech	Repair Type*	Repair Time	Repair Size	Vacuum Test Date	Test Tech	Test P/F
62	70-71-72	-	08/11/18	FR	P	0829	2X2	08/13/18	SR	P
63	55-56	23' NEOS	08/11/18	JM	DT11	1058	2X4	08/13/18	SR	P
64	24-61	11' NEOS	08/10/18	FR	DT8	1516	2X4	08/13/18	SR	P
65	30-34-62	-	08/11/18	FR	P	0709	2X3	08/13/18	SR	P
66	34-61-62	-	08/11/18	FR	P	0714	2X2	08/13/18	SR	P
67	34-35-61	-	08/11/18	FR	P	0719	2X3	08/13/18	SR	P
68	35-36-60-61	-	08/11/18	FR	P	0721	2X3	08/13/18	SR	P
69	36-37-59-60	-	08/11/18	FR	P	0740	2X3	08/13/18	SR	P
70	37-38-59-63	-	08/11/18	FR	P	0810	2X3	08/13/18	SR	P
71	38-39-63-64	-	08/11/18	FR	P	0815	2X3	08/13/18	SR	P
72	39-40-64-65	-	08/11/18	FR	P	0820	2X3	08/13/18	SR	P
73	40-41-65-66	-	08/11/18	FR	P	0825	2X3	08/13/18	SR	P
74	41-42-66-67	-	08/11/18	FR	P	0830	2X3	08/13/18	SR	P
75	42-43-67-68	-	08/11/18	FR	P	0835	2X3	08/13/18	SR	P
76	43-44-68-69	-	08/11/18	FR	P	0840	2X3	08/13/18	SR	P
77	44-45-69-71	-	08/11/18	BR	P	0854	2X3	08/13/18	SR	P
78	45-46-71-72	-	08/11/18	BR	P	0859	2X3	08/13/18	SR	P
79	46-47-72-73	-	08/11/18	BR	P	0907	2X3	08/13/18	SR	P
80	47-48-73-74	-	08/11/18	BR	P	0914	2X2	08/13/18	SR	P
81	48-49-74-75	-	08/11/18	BR	P	0921	2X2	08/13/18	SR	P

* Repair Type: P=Patch, C=Cap, B=Boot, DT=Destruct (with number), W= Weld, (explain any additional repairs)

REPAIR FORM



PROJECT NAME:	AMEREN MEREDOSIA-BOTTOM ASH POND
PROJECT NO.:	18009
MATERIAL TYPE:	40MIL HD MICRO SPIKE
MATERIAL LAYER:	PRIMARY
QC NAME:	CHERYL HINA

Repair No.	Seam / Panel No.	Location of Repairs	Repair Date	Repair Tech	Repair Type*	Repair Time	Repair Size	Vacuum Test Date	Test Tech	Test P/F
82	49-50-75-76	-	08/11/18	BR	P	0929	2X2	08/13/18	SR	P
83	50-51-76-77	-	08/11/18	BR	P	0935	2X2	08/13/18	SR	P
84	51-52-77-78	-	08/11/18	BR	P	0944	3X3	08/13/18	SR	P
85	52-53-78-79	-	08/11/18	BR	P	0950	3X3	08/13/18	SR	P
86	53-54-79-80	-	08/11/18	JM	P	0926	2X2	08/13/18	SR	P
87	54-55-80-81	-	08/11/18	JM	P	0935	2X2	08/13/18	SR	P
88	80-81	9' NEOS	08/11/18	JM	P	0929	2X2	08/13/18	SR	P
89	64-65	SEOS	08/10/18	FR	P	1540	2X3	08/13/18	SR	P
90	73-74	55' NEOS	08/11/18	BR	P	0818	2X2	08/13/18	SR	P
91	76-77	54' NEOS	08/11/18	BR	P	0747	2X2	08/13/18	SR	P
92	77-78	64' NEOS	08/11/18	BR	P	0754	2X2	08/13/18	SR	P
93	78-79	42' SEOS	08/11/18	BR	P	0811	2X7	08/13/18	SR	P
94	55-81	17' WEOS	08/11/18	JM	P	1003	2X2	08/13/18	SR	P
95	55-56-81-82	-	08/11/18	JM	P	1006	2X3	08/13/18	SR	P
96	56-57-82	-	08/11/18	JM	P	1012	2X2	08/13/18	SR	P
97	57-82	ENTIRE SEAM	08/11/18	JM	P	1013	2X6	08/13/18	SR	P
98	57-82-83	-	08/11/18	JM	P	1015	2X2	08/13/18	SR	P
99	57	14' WEOS & 2' N ON 57	08/11/18	JM	P	1030	2X2	08/13/18	SR	P
100	57-83	14' WEOS & 2' N ON 57	08/11/18	JM	GUIDE WIRE	1034	3X3	08/13/18	SR	P
101	57-58-83	-	08/11/18	JM	P	1039	2X2	08/13/18	SR	P

* Repair Type: P=Patch, C=Cap, B=Boot, DT=Destruct (with number), W= Weld, (explain any additional repairs)

REPAIR FORM



PROJECT NAME:	AMEREN MEREDOSIA-BOTTOM ASH POND
PROJECT NO.:	18009
MATERIAL TYPE:	40MIL HD MICRO SPIKE
MATERIAL LAYER:	PRIMARY
QC NAME:	CHERYL HINA

Repair No.	Seam / Panel No.	Location of Repairs	Repair Date	Repair Tech	Repair Type*	Repair Time	Repair Size	Vacuum Test Date	Test Tech	Test P/F
102	58-83	EEOS	08/11/18	JM	P	1044	2X4	08/13/18	SR	P
103	83-84	18' EEOS & 8' N ON 83	08/11/18	JM	TELA POLE	1158	2X10	08/13/18	SR	P
104	83-84	EEOS	08/11/18	JM	P	1049	2X4	08/13/18	SR	P
105	82-83-84	-	08/11/18	JM	P	0805	2X2	08/13/18	SR	P
106	82-84-85	-	08/11/18	JM	P	0808	2X2	08/13/18	SR	P
107	82-85-86	-	08/11/18	JM	P	0814	2X8	08/13/18	SR	P
108	85-86	EEOS	08/11/18	JM	P	0826	3X7	08/13/18	SR	P
109	82-86-87	-	08/11/18	JM	P	0819	2X2	08/13/18	SR	P
110	87-88	EEOS	08/11/18	JM	P	0843	2X6	08/13/18	SR	P
111	81-82-87	-	08/11/18	JM	P	0849	2X2	08/13/18	SR	P
112	80-81-87	-	08/11/18	JM	P	0859	2X3	08/13/18	SR	P
113	79-80-87	-	08/11/18	JM	P	0904	2X2	08/13/18	SR	P
114	79-87	SEOS	08/11/18	JM	P	0911	2X4	08/13/18	SR	P
115	87-88	WEOS	08/11/18	JM	P	0916	2X7	08/13/18	SR	P
116	32-34	9' SEOS	08/11/18	FR	STRUCTURE	1051	2X12	08/13/18	SR	P
117	34-35	9' SEOS & 7' E ON 35	08/11/18	FR	STRUCTURE	1119	2X12	08/13/18	SR	P
118	36-37	11' SEOS & 7' W ON 36	08/11/18	FR	STRUCTURE	1151	2X12	08/13/18	SR	P
119	37-38	10' SEOS	08/13/18	FR	STRUCTURE	0845	2X12	08/13/18	SR	P
120	38-39	9' SEOS & 7' E ON 39	08/13/18	FR	STRUCTURE	0855	2X12	08/13/18	SR	P
121	40-41	8' SEOS & 7' W ON 40	08/13/18	FR	STRUCTURE	0958	2X12	08/13/18	SR	P

* Repair Type: P=Patch, C=Cap, B=Boot, DT=Destruct (with number), W= Weld, (explain any additional repairs)

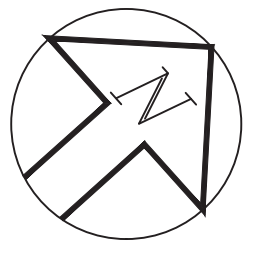
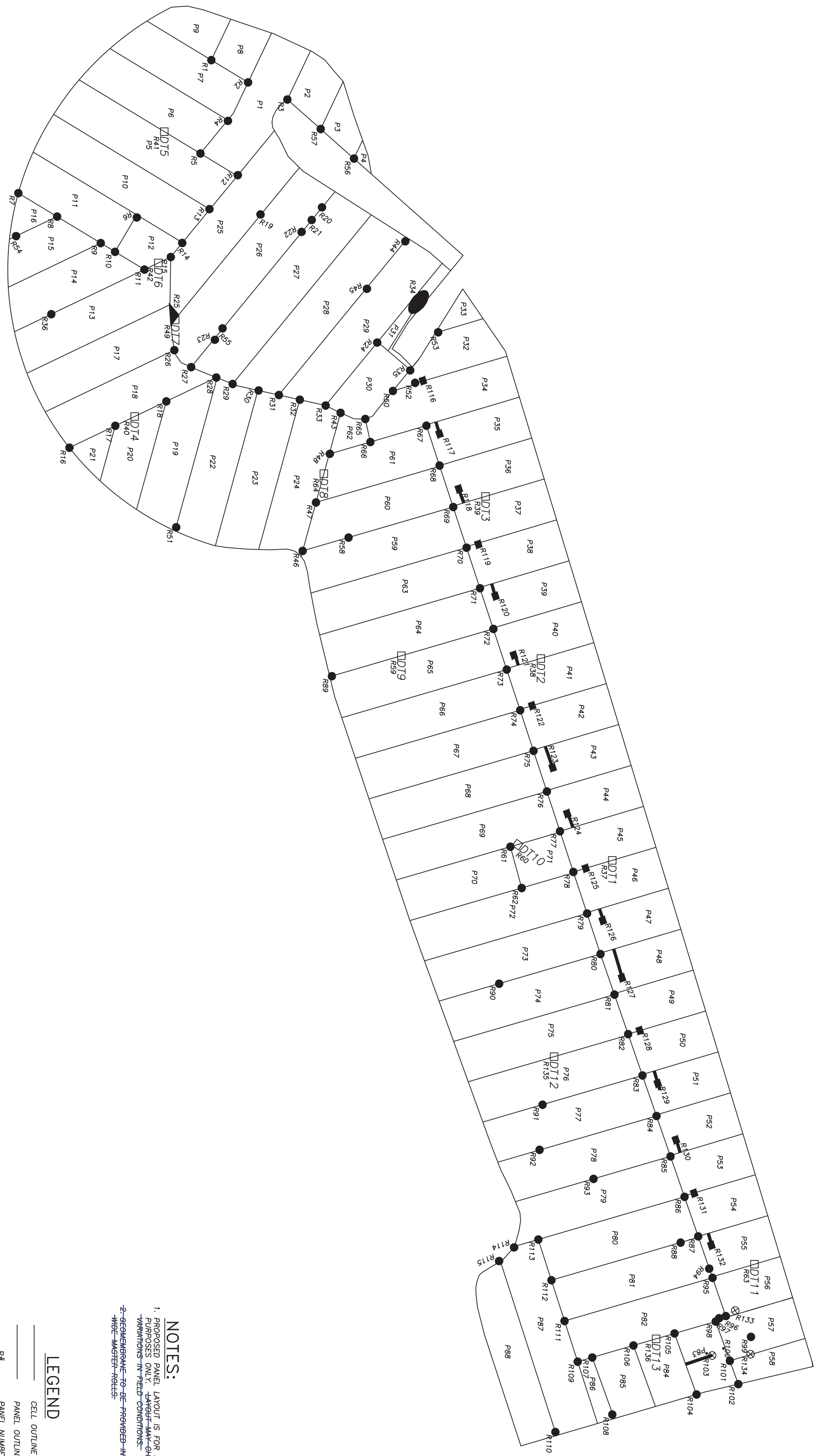
REPAIR FORM



PROJECT NAME:	AMEREN MEREDOSIA-BOTTOM ASH POND
PROJECT NO.:	18009
MATERIAL TYPE:	40MIL HD MICRO SPIKE
MATERIAL LAYER:	PRIMARY
QC NAME:	CHERYL HINA

Repair No.	Seam / Panel No.	Location of Repairs	Repair Date	Repair Tech	Repair Type*	Repair Time	Repair Size	Vacuum Test Date	Test Tech	Test P/F
122	41-42	8; SEOS	08/13/18	BR	STRUCTURE	0845	2X12	08/13/18	SR	P
123	42-43	7' SEOS & 6' E ON 43	08/13/18	BR	STRUCTURE	0818	2X12	08/13/18	SR	P
124	44-45	8' SEOS & 8' W ON 44	08/11/18	BR	STRUCTURE	1135	2X12	08/13/18	SR	P
125	45-46	7' SEOS	08/11/18	BR	STRUCTURE	1103	2X12	08/13/18	SR	P
126	46-47	7' SEOS & 7' E ON 47	08/13/18	BR	STRUCTURE	0939	2X12	08/13/18	SR	P
127	48-49	10' SEOS & 8' W ON 48	08/13/18	BR	STRUCTURE	1038	2X12	08/13/18	SR	P
128	49-50	9' SEOS	08/13/18	BR	STRUCTURE	1050	2X12	08/13/18	SR	P
129	50-51	9' SEOS & 6' E ON 51	08/13/18	BR	STRUCTURE	1105	2X12	08/13/18	SR	P
130	52-53	7' SEOS & 8' W ON 52	08/13/18	JM	STRUCTURE	1032	2X12	08/13/18	SR	P
131	53-54	7' SEOS	08/13/18	JM	STRUCTURE	1002	2X12	08/13/18	SR	P
132	54-55	7' SEOS & 6' E ON 55	08/13/18	JM	STRUCTURE	0942	2X12	08/13/18	SR	P
133	56-57	3' SEOS & 7' W ON 56	08/13/18	JM	BOOT	0840	3X9	08/13/18	SR	P
134	57-58	8' SEOS	08/13/18	JM	BOOT	0853	3X4	08/13/18	SR	P
135	75-76	40' NEOS	08/13/18	JM	DT12	1100	2X4	08/13/18	SR	P
136	82-84	10' NEOS	08/13/18	JM	DT13	0811	2X4	08/13/18	SR	P

* Repair Type: P=Patch, C=Cap, B=Boot, DT=Destruct (with number), W= Weld, (explain any additional repairs)



NOTES:
 1- PROPOSED PANEL LAYOUT IS FOR SCHEMATIC PURPOSES ONLY. LAYOUT MAY CHANGE DUE TO VARIATIONS IN FIELD CONDITIONS.
 2- GEOMETRIC FRAME TO BE PROVIDED IN 22' FOOT WIDE MASTER ROWS.

LEGEND
 --- CELL OUTLINE
 --- PANEL OUTLINE
 P# PANEL NUMBER
 R# REPAIR NUMBER
 ● PATCH
 □ DOT# DESTRUCTIVE TEST
 ⊗ PIPE BOOT
 — CAP PATCH
 — EXTRUSION WELD
 ■ STRUCTURE

SCALE
 0 20 40

REVISIONS	NO.	DATE	DRAWN BY: CH	DATE: 10/06/18
	1	10/6/18	CHKD BY:	DATE:
			SCALE: 1" = 40'-0"	
			JOB #: 18009	EST #: L160234



GEO-SYNTHETICS, LLC
 2401 PEWAUKEE ROAD
 WAUKESHA, WI 53188
 262-524-7979

PROJECT NAME & LOCATION:
 AMEREN MEREDOSIA
 ASH POND CLOSURES
 MEREDOSIA, ILLINOIS

MATERIAL & DRAWING DESCRIPTION:
BOTTOM ASH POND BERM AREA
 40MIL HDPE MICROSPIKE
 RECORD DRAWING

FILENAME
 AMEREN MEREDOSIA
 ASH POND CLOSURE
 DRAWING #
 RD-1

PANEL PLACEMENT FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND
PROJECT NO.:	18009
MATERIAL TYPE:	40MIL HDPE MICROSPIKE
MATERIAL LAYER:	PRIMARY
QC NAME:	CHERYL HINA

PANEL NO.	ROLL NO.	PLACEMENT DATE	PANEL LENGTH (FT)	PANEL WIDTH (FT)	COMMENTS
1	1794	08/17/18	38	22.5	
2	1794	08/17/18	42	22.5	
3	1794	08/17/18	42	22.5	
4	1794	08/17/18	42	22.5	
5	1794	08/17/18	42	22.5	
6	1794	08/17/18	43	22.5	
7	1794	08/17/18	42	22.5	
8	1794	08/17/18	42	22.5	
9	1794	08/17/18	9.5	2	
10	1794	08/17/18	41	22.5	
11	1794	08/17/18	41	22.5	
12	1794	08/17/18	40	22.5	
13	1794	08/17/18	39	22.5	
14	1794	08/17/18	8.5	2	
15	1794	08/17/18	39	22.5	
16	1794	08/17/18	39	22.5	
17	1794	08/17/18	39	22.5	
18	1780	08/17/18	38	22.5	
19	1780	08/17/18	14	3	

PANEL PLACEMENT FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND
PROJECT NO.:	18009
MATERIAL TYPE:	40MIL HDPE MICROSPIKE
MATERIAL LAYER:	PRIMARY
QC NAME:	CHERYL HINA

PANEL NO.	ROLL NO.	PLACEMENT DATE	PANEL LENGTH (FT)	PANEL WIDTH (FT)	COMMENTS
20	1780	08/17/18	37	22.5	
21	1780	08/17/18	38	22.5	
22	1780	08/17/18	39	22.5	
23	1780	08/17/18	40	22.5	
24	1780	08/17/18	40	22.5	
25	1780	08/17/18	7	3	
26	1780	08/17/18	40	22.5	
27	1780	08/17/18	40	22.5	
28	1780	08/17/18	41	22.5	
29	1785	08/17/18	436	22.5	
30	1785	08/17/18	281	22.5	
31	1778	08/17/18	116	22.5	
32	1778	08/17/18	358	22.5	
33	1778	08/17/18	223	22.5	
34	1780	08/17/18	94	22.5	
35	1780	08/17/18	178	22.5	
36	1470	08/17/18	90	22.5	
37	1470	08/17/18	209	22.5	
38	1470	08/17/18	131	22.5	

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 PANEL PLACEMENT FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND
PROJECT NO.:	18009
MATERIAL TYPE:	40MIL HDPE MICROSPIKE
MATERIAL LAYER:	PRIMARY
QC NAME:	CHERYL HINA

PANEL NO.	ROLL NO.	PLACEMENT DATE	PANEL LENGTH (FT)	PANEL WIDTH (FT)	COMMENTS
39	1470	08/17/18	42	22.5	
40	1470	08/17/18	42	22.5	
41	1470	08/17/18	46	22.5	
42	1470	08/17/18	37	22.5	
43	1787	08/17/18	30	22.5	
44	1787	08/22/18	25	15	
45	1787	08/22/18	50	21.5	
46	1787	08/22/18	39.5	22.5	
47	1787	08/22/18	19	15	
48	1787	08/22/18	484	22.5	
49	1783	08/22/18	528	22.5	
50	1783	08/22/18	196	22.5	
51	1784	08/22/18	342.5	22.5	
52	1784	08/22/18	389	22.5	
53	1782	08/22/18	162.5	22.5	
54	1782	08/22/18	38	22.5	
55	1782	08/22/18	38.5	22.5	
56	1782	08/22/18	477	22.5	
57	1779	08/22/18	85	22.5	



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 PANEL PLACEMENT FORM

PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND
PROJECT NO.:	18009
MATERIAL TYPE:	40MIL HDPE MICROSPIKE
MATERIAL LAYER:	PRIMARY
QC NAME:	CHERYL HINA

PANEL NO.	ROLL NO.	PLACEMENT DATE	PANEL LENGTH (FT)	PANEL WIDTH (FT)	COMMENTS
58	1779	08/22/18	40	22.5	
59	1779	08/22/18	42.5	22.5	
60	1779	08/22/18	39	22.5	
61	1779	08/22/18	503.5	22.5	
62	1585	08/22/18	73	22.5	
63	1585	08/22/18	592.5	22.5	
64	1585	08/22/18	39.5	22.5	
65	1806	08/22/18	611.5	22.5	
66	1806	08/22/18	35	22.5	
67	1806	08/22/18	33.5	22.5	
68	1806	08/22/18	32	22.5	
69	1497	08/22/18	626	22.5	
70	1497	08/22/18	99.5	22.5	
71	1480	08/22/18	539	22.5	
72	1480	08/22/18	33	22.5	
73	1480	08/22/18	157.5	22.5	
74	1488	08/22/18	494	22.5	
75	1488	08/22/18	35	22.5	
76	1488	08/22/18	203	22.5	

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 PANEL PLACEMENT FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND
PROJECT NO.:	18009
MATERIAL TYPE:	40MIL HDPE MICROSPIKE
MATERIAL LAYER:	PRIMARY
QC NAME:	CHERYL HINA

PANEL NO.	ROLL NO.	PLACEMENT DATE	PANEL LENGTH (FT)	PANEL WIDTH (FT)	COMMENTS
77	1802	08/22/18	461	22.5	
78	1802	08/23/18	-	94X2	cap seam
79	1802	08/23/18	-	95x2	cap seam
80	1802	08/23/18	-	97x2	cap seam
81	1802	08/23/18	-	96x2	cap seam
82	1802	08/23/18	-	77x2	cap seam
83	1802	09/04/18	167.5	22.5	
84	1485	09/04/18	510	22.5	
85	1504	09/04/18	690	22.5	
86	1495	09/04/18	707	22.5	
87	1495	09/04/18	34.5	22.5	
88	1788	09/04/18	720	22.5	
89	1796	09/04/18	739	22.5	
90	1485	09/04/18	36.5	22.5	
91	1485	09/04/18	39.5	22.5	
92	1485	09/04/18	43	22.5	
93	1485	09/04/18	43.5	22.5	
94	1485	09/04/18	38	18	
95	1483	09/05/18	737.5	22.5	

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 PANEL PLACEMENT FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND
PROJECT NO.:	18009
MATERIAL TYPE:	40MIL HDPE MICROSPIKE
MATERIAL LAYER:	PRIMARY
QC NAME:	CHERYL HINA

PANEL NO.	ROLL NO.	PLACEMENT DATE	PANEL LENGTH (FT)	PANEL WIDTH (FT)	COMMENTS
96	1502	09/05/18	739.5	22.5	
97	1498	09/05/18	741.5	22.5	
98	1800	09/05/18	741.5	22.5	
99	1795	09/05/18	741.5	22.5	
100	1791	09/05/18	741.5	22.5	
101	1486	09/05/18	742	22.5	
102	1512	09/05/18	743	22.5	
103	1793	09/05/18	743	22.5	
104	1797	09/05/18	744	22.5	
105	1499	09/14/18	741	22.5	
106	1492	09/14/18	740	22.5	
107	1491	09/14/18	739.5	22.5	
108	1490	09/14/18	735	22.5	
109	1799	09/14/18	733.5	22.5	
110	1496	09/14/18	739	22.5	
111	1478	09/14/18	740	22.5	
112	1798	09/14/18	741	22.5	
113	1487	09/14/18	742.5	22.5	
114	1479	09/14/18	744	22.5	

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 PANEL PLACEMENT FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND
PROJECT NO.:	18009
MATERIAL TYPE:	40MIL HDPE MICROSPIKE
MATERIAL LAYER:	PRIMARY
QC NAME:	CHERYL HINA

PANEL NO.	ROLL NO.	PLACEMENT DATE	PANEL LENGTH (FT)	PANEL WIDTH (FT)	COMMENTS
115	1801	09/14/18	745	22.5	
116	1500	09/14/18	742	22.5	
117	1792	09/14/18	743	22.5	
118	1514	09/15/18	735	22.5	
119	1503	09/15/18	736	22.5	
120	1513	09/15/18	704	22.5	
121	1501	09/15/18	736	22.5	
122	1790	09/15/18	735	22.5	
123	1781	09/15/18	739	22.5	
124	1510	09/15/18	738	22.5	
125	1789	09/15/18	740	22.5	
126	1484	09/15/18	741	22.5	
127	1463	09/15/18	742	22.5	
128	1599	09/24/18	740	22.5	
129	1604	09/24/18	737	22.5	
130	1567	09/24/18	736	22.5	
131	1588	09/24/18	736.5	22.5	
132	1586	09/24/18	740	22.5	
133	1596	09/24/18	695	22.5	

PANEL PLACEMENT FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND
PROJECT NO.:	18009
MATERIAL TYPE:	40MIL HDPE MICROSPIKE
MATERIAL LAYER:	PRIMARY
QC NAME:	CHERYL HINA

PANEL NO.	ROLL NO.	PLACEMENT DATE	PANEL LENGTH (FT)	PANEL WIDTH (FT)	COMMENTS
134	1598	09/28/18	38	22.5	
135	1598	09/28/18	657	22.5	
136	1506	09/28/18	25	22.5	
137	1506	09/28/18	660	22.5	
138	1508	09/28/18	13	9.5	
139	1508	09/28/18	28	22.5	
140	1508	09/28/18	30	22.5	
141	1508	09/28/18	35.5	22.5	
142	1508	09/28/18	33	22.5	
143	1481	09/28/18	608	22.5	
144	1598	09/28/18	6.5	4	
145	1481	09/28/18	36	22.5	
146	1494	09/28/18	614	22.5	
147	1494	09/28/18	28	22.5	
148	1494	09/28/18	31	22.5	
149	1494	09/28/18	28.5	22.5	
150	1505	09/28/18	31.5	22.5	
151	1505	09/28/18	36.5	22.5	
152	1505	09/28/18	40.5	17.5	

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 PANEL PLACEMENT FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND
PROJECT NO.:	18009
MATERIAL TYPE:	40MIL HDPE MICROSPIKE
MATERIAL LAYER:	PRIMARY
QC NAME:	CHERYL HINA

PANEL NO.	ROLL NO.	PLACEMENT DATE	PANEL LENGTH (FT)	PANEL WIDTH (FT)	COMMENTS
153	1505	09/28/18	42	22.5	
154	1505	09/28/18	34	22.5	
155	1505	09/28/18	448	22.5	
156	1505	09/28/18	26	22.5	
157	1505	09/28/18	28	22.5	
158	1511	09/28/18	31	22.5	
159	1511	09/28/18	34	22.5	
160	1511	09/28/18	35	22.5	
161	1511	09/28/18	38	22.5	
162	1511	09/28/18	34	22.5	
163	1511	09/28/18	292	22.5	
164	1511	09/28/18	27.5	22.5	
165	1511	09/28/18	31	22.5	
166	1511	09/28/18	35	22.5	
167	1511	09/28/18	35	22.5	
168	1605	09/28/18	36	22.5	
169	1605	09/28/18	183	22.5	
170	1605	09/28/18	19	22.5	
171	1605	09/28/18	20.5	22.5	

PANEL PLACEMENT FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND
PROJECT NO.:	18009
MATERIAL TYPE:	40MIL HDPE MICROSPIKE
MATERIAL LAYER:	PRIMARY
QC NAME:	CHERYL HINA

PANEL NO.	ROLL NO.	PLACEMENT DATE	PANEL LENGTH (FT)	PANEL WIDTH (FT)	COMMENTS
172	1605	09/28/18	24.5	22.5	
173	1605	09/28/18	30	22.5	
174	1605	09/28/18	34	22.5	
175	1605	09/28/18	38	22.5	
176	1605	09/28/18	42	22.5	
177	1605	09/28/18	52	22.5	
178	1605	10/16/18	40.5	22.5	
179	1605	10/16/18	39.5	22.5	
180	1605	10/16/18	39	22.5	
181	1605	10/16/18	39	22.5	
182	1601	10/16/18	39	22.5	
183	1601	10/16/18	39.5	22.5	
184	1601	10/16/18	40	22.5	
185	1601	10/16/18	40	22.5	
186	1601	10/16/18	40.5	22.5	
187	1601	10/16/18	40.5	22.5	
188	1601	10/16/18	39.5	22.5	
189	1601	10/16/18	40	22.5	
190	1601	10/16/18	50.5	22.5	

PANEL PLACEMENT FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND
PROJECT NO.:	18009
MATERIAL TYPE:	40MIL HDPE MICROSPIKE
MATERIAL LAYER:	PRIMARY
QC NAME:	CHERYL HINA

PANEL NO.	ROLL NO.	PLACEMENT DATE	PANEL LENGTH (FT)	PANEL WIDTH (FT)	COMMENTS
191	1601	10/16/18	50.5	22.5	
192	1601	10/16/18	39.5	22.5	
193	1601	10/16/18	38.5	22.5	
194	1601	10/16/18	39	22.5	
195	1601	10/16/18	39	22.5	
196	1601	10/16/18	40	22.5	
197	1601	10/16/18	40.5	22.5	
198	1489	10/16/18	40	22.5	
199	1489	10/16/18	42.5	22.5	
200	1489	10/16/18	69	22.5	
201	1489	10/16/18	99.5	22.5	
202	1489	10/16/18	129.5	22.5	
203	1489	10/16/18	147	22.5	
204	1489	10/16/18	20	22.5	
205	1489	10/16/18	107.5	22.5	
206	1482	10/16/18	82	22.5	
207	1482	10/17/18	219.75	22.5	
208	1482	10/17/18	230.5	22.5	
209	1482	10/17/18	18.75	22.5	

PANEL PLACEMENT FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND
PROJECT NO.:	18009
MATERIAL TYPE:	40MIL HDPE MICROSPIKE
MATERIAL LAYER:	PRIMARY
QC NAME:	CHERYL HINA

PANEL NO.	ROLL NO.	PLACEMENT DATE	PANEL LENGTH (FT)	PANEL WIDTH (FT)	COMMENTS
210	1482	10/17/18	146.5	22.5	
211	1477	10/17/18	134	22.5	
212	1477	10/17/18	288	22.5	
213	1477	10/17/18	23.5	22.5	
214	1477	10/17/18	279.5	22.5	
215	1580	10/17/18	59	22.5	
216	1580	10/17/18	351.5	22.5	
217	1580	10/17/18	15.5	22.5	
218	1580	10/17/18	294	22.5	
219	1582	10/17/18	100.25	22.5	
220	1582	10/17/18	399.5	22.5	
221	1582	10/17/18	22.75	22.5	
222	1582	10/17/18	40	22.5	
223	1582	10/17/18	39.5	22.5	
224	1582	10/17/18	39	22.5	
225	1582	10/17/18	18.5	22.5	
226	1475	10/17/18	436	22.5	
227	1475	10/17/18	281	22.5	
228	1603	10/17/18	201	22.5	

PANEL PLACEMENT FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND
PROJECT NO.:	18009
MATERIAL TYPE:	40MIL HDPE MICROSPIKE
MATERIAL LAYER:	PRIMARY
QC NAME:	CHERYL HINA

PANEL NO.	ROLL NO.	PLACEMENT DATE	PANEL LENGTH (FT)	PANEL WIDTH (FT)	COMMENTS
229	1603	10/18/18	39	22.5	
230	1603	10/18/18	39	22.5	
231	1603	10/18/18	40	22.5	
232	1603	10/18/18	40	22.5	
233	1603	10/18/18	40	22.5	
234	1603	10/18/18	247.5	22.5	
235	1466	10/18/18	228.5	22.5	
236	1466	10/18/18	478.75	22.5	
237	1579	10/18/18	42.5	22.5	
238	1603	10/18/18	16	22.5	
239	1579	10/18/18	523.5	22.5	
240	1579	10/18/18	139	22.5	
241	1467	10/18/18	419	22.5	
242	1467	10/18/18	303.5	22.5	
243	1473	10/18/18	287	22.5	
244	1473	10/18/18	24	22.5	
245	1473	10/18/18	342.75	22.5	
246	1581	10/18/18	247.5	22.5	
247	1581	10/18/18	489	22.5	

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 PANEL PLACEMENT FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND
PROJECT NO.:	18009
MATERIAL TYPE:	40MIL HDPE MICROSPIKE
MATERIAL LAYER:	PRIMARY
QC NAME:	CHERYL HINA

PANEL NO.	ROLL NO.	PLACEMENT DATE	PANEL LENGTH (FT)	PANEL WIDTH (FT)	COMMENTS
248	1472	10/18/18	144.25	22.5	
249	1472	10/18/18	587	22.5	
250	1587	10/18/18	60.5	22.5	
251	1587	10/18/18	655	22.5	
252	1575	10/18/18	686.5	22.5	
253	1602	10/19/18	650.5	22.5	
254	1568	10/19/18	647	22.5	
255	1469	10/19/18	639.5	22.5	
256	1476	10/19/18	632	22.5	
257	1577	10/19/18	624.5	22.5	
258	1471	10/19/18	617	22.5	
259	1584	10/19/18	611.5	22.5	
260	1589	10/22/18	606.5	22.5	
261	1589	10/22/18	119	22.5	
262	1574	10/22/18	481	22.5	
263	1574	10/22/18	242	22.5	
264	1566	10/22/18	344.5	22.5	
265	1566	10/22/18	386.25	22.5	
266	1595	10/22/18	185	22.5	

PANEL PLACEMENT FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND
PROJECT NO.:	18009
MATERIAL TYPE:	40MIL HDPE MICROSPIKE
MATERIAL LAYER:	PRIMARY
QC NAME:	CHERYL HINA

PANEL NO.	ROLL NO.	PLACEMENT DATE	PANEL LENGTH (FT)	PANEL WIDTH (FT)	COMMENTS
267	1595	10/22/18	557.5	22.5	
268	1465	10/22/18	23.5	22.5	
269	1465	10/22/18	546.5	22.5	
270	1465	10/22/18	146	22.5	
271	1600	10/22/18	388	22.5	
272	1600	10/22/18	340	22.5	
273	1462	10/22/18	181.5	22.5	
274	1462	10/22/18	509.5	22.5	
275	1573	10/22/18	495	22.5	
276	1573	10/22/18	236	22.5	
277	1576	10/22/18	242.5	22.5	
278	1576	10/22/18	459.5	22.5	
279	1577	10/23/18	442.5	22.5	
280	1577	10/23/18	46	22.5	
281	1577	10/23/18	48.5	22.5	
282	1568	10/23/18	49.25	22.5	
283	1584	10/23/18	50.25	22.5	
284	1584	10/23/18	51.75	22.5	
285	1575	10/23/18	39.75	22.5	

PANEL PLACEMENT FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND
PROJECT NO.:	18009
MATERIAL TYPE:	40MIL HDPE MICROSPIKE
MATERIAL LAYER:	PRIMARY
QC NAME:	CHERYL HINA

PANEL NO.	ROLL NO.	PLACEMENT DATE	PANEL LENGTH (FT)	PANEL WIDTH (FT)	COMMENTS
286	1602	10/23/18	13.5	22.5	
287	1471	10/23/18	54.75	22.5	
288	1594	10/23/18	166	22.5	
289	1597	10/23/18	255.5	22.5	
290	1597	10/23/18	246	22.5	
291	1475	10/23/18	199.75	22.5	
292	1476	10/23/18	91	22.5	
293	1475	10/23/18	52	13	
294	1475	10/23/18	12	6.5	



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND	Test Criteria	Fusion	Extrusion
PROJECT NO.:	18009	Time	As Noted	As Noted
MATERIAL TYPE:	40MIL HDPE MICROSPIKE	Number	2P/2S	2P/2S
MATERIAL LAYER:	PRIMARY	Peel - ppi	60	52
QC	CHERYL HINA	Shear - ppi	80	80

Trial No.	Date	Sample Time	Air Temp	Mater Type	Tech Initials	Machn No.	Wedge Barrel	Speed Preheat	Peel (ppi)					Shear (ppi)					Pass Fail			
									1	2	3	4	5	1	2	3	4	5				
1	08/17/18	0855	72	SS	BR	W114	750	7.5	75	79	77	76					105	100				Pass
2	08/17/18	0850	72	TS	BR	W114	750	7.5	84	82	83	71					108	102				Pass
3	08/17/18	0854	72	TT	BR	W114	750	7.5	98	92	85	83					106	101				Pass
4	08/17/18	0856	72	SS	JM	W120	750	8.5	84	86	76	79					100	97				Pass
5	08/17/18	0853	72	TS	JM	W120	750	8	94	78	80	73					104	101				Pass
6	08/17/18	0850	72	TT	JM	W120	750	7.5	91	97	86	75					104	99				Pass
7	08/17/18	0845	72	SS	LH	W118	750	6	89	77	76	81					101	107				Pass
8	08/17/18	0850	85	TS	LH	W118	750	6	89	87	90	83					103	94				Pass
9	08/17/18	1413	85	SS	BR	W114	750	7	86	74	72	74					97	94				Pass
10	08/17/18	1410	85	TS	BR	W114	750	7	69	70	74	71					84	87				Pass
11	08/17/18	1405	85	TT	BR	W114	750	7	77	78	78	70					88	84				Pass



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND	Test Criteria	Fusion	Extrusion
PROJECT NO.:	18009	Time	As Noted	As Noted
MATERIAL TYPE:	40MIL HDPE MICROSPIKE	Number	2P/2S	2P/2S
MATERIAL LAYER:	PRIMARY	Peel - ppi	60	52
QC	CHERYL HINA	Shear - ppi	80	80

Trial No.	Date	Sample Time	Air Temp	Mater Type	Tech Initials	Machn No.	Wedge Barrel	Speed Preheat	Peel (ppi)					Shear (ppi)					Pass Fail			
									1	2	3	4	5	1	2	3	4	5				
12	08/17/18	1410	85	TT	JM	W120	750	9.5	71	83	77	76					88	87				Pass
13	08/17/18	1411	85	TS	JM	W120	750	9	84	79	78	77					95	84				Pass
14	08/18/18	0731	69	TT	JM	X83	500	450	93		73						102	91				Pass
15	08/18/18	0735	69	TT	FR	X89	500	500	79		81						97	89				Pass
16	08/18/18	0726	69	TT	BR	X50	250	250	97		91						103	94				Pass
17	08/22/18	0804	62	TT	JM	W120	750	8.5	78	69	80	66					99	90				Pass
18	08/22/18	0722	62	SS	JM	W120	750	9	67	69	64	67					85	82				Pass
19	08/22/18	0730	62	TS	BR	W114	750	5.5	79	77	88	73					100	108				Pass
20	08/22/18	0729	62	SS	BR	W114	750	7.5	92	78	77	75					98	102				Pass
21	08/22/18	0800	62	SS	LH	W118	750	7.5	91	789	87	69					104	101				Pass
22	08/22/18	1051	68	TT	BR	W114	750	8.5	94	87	82	87					97	90				Pass



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND	Test Criteria	Fusion	Extrusion
PROJECT NO.:	18009	Time	As Noted	As Noted
MATERIAL TYPE:	40MIL HDPE MICROSPIKE	Number	2P/2S	2P/2S
MATERIAL LAYER:	PRIMARY	Peel - ppi	60	52
QC	CHERYL HINA	Shear - ppi	80	80

Trial No.	Date	Sample Time	Air Temp	Mater Type	Tech Initials	Machn No.	Wedge Barrel	Speed Preheat	Peel (ppi)					Shear (ppi)					Pass Fail			
									1	2	3	4	5	1	2	3	4	5				
23	08/22/18	1050	68	TT	LH	W118	750	8.5	100	96	85	80					95	87				Pass
24	08/22/18	1310	82	TT	LH	W118	750	9.5	90	95	85	82					94	88				Pass
25	08/22/18	1305	82	SS	BR	W114	750	5.5	94	89	89	84					93	85				Pass
26	08/22/18	1306	82	TT	BR	W114	750	7.5	83	89	80	73					100	93				Pass
27	08/22/18	1320	82	SS	JM	W120	750	9	80	79	72	74					99	89				Pass
28	08/22/18	1315	82	TT	JM	W120	750	8.5	96	99	91	84					99	89				Pass
29	08/23/18	0751	60	TT	FR	X89	500	500	95		90						99	92				Pass
30	08/23/18	0738	60	TT	JM	X83	500	450	87		82						103	97				Pass
31	08/23/18	0944	72	TT	BR	X50	250	250	92		84						98	93				Pass
32	08/23/18	1306	80	TT	BR	W114	750	7.5	86	73	67	76					92	85				Pass
33	08/23/18	1259	80	TT	JM	X83	500	400	101		97						118	113				Pass



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND	Test Criteria	Fusion	Extrusion
PROJECT NO.:	18009	Time	As Noted	As Noted
MATERIAL TYPE:	40MIL HDPE MICROSPIKE	Number	2P/2S	2P/2S
MATERIAL LAYER:	PRIMARY	Peel - ppi	60	52
QC	CHERYL HINA	Shear - ppi	80	80

Trial No.	Date	Sample Time	Air Temp	Mater Type	Tech Initials	Machn No.	Wedge Barrel	Speed Preheat	Peel (ppi)					Shear (ppi)					Pass Fail		
									1	2	3	4	5	1	2	3	4	5			
34	08/23/18	1309	80	TT	FR	X89	500	500	97		84					98	91				Pass
35	09/04/18	1030	84	SS	LH	W118	750	9	87	71	80	69				88	82				Pass
36	09/04/18	1032	84	TS	LH	W118	750	8.5	79	78	76	71				85	81				Pass
37	09/04/18	1034	84	TT	LH	W118	750	8	75	75	72	70				82	83				Pass
38	09/04/18	1030	84	SS	JM	W120	750	9	81	74	71	72				87	86				Pass
39	09/04/18	1032	84	TS	JM	W120	750	8.5	76	67	70	67				92	86				Pass
40	09/04/18	1034	84	TT	JM	W120	750	8	90	85	78	76				87	84				Pass
41	09/04/18	1032	84	SS	BR	W114	750	5.5	76	71	76	70				83	85				Pass
42	09/04/18	1034	84	TS	BR	W114	750	7.5	70	69	68	65				84	82				Pass
43	09/04/18	1036	84	TT	BR	W114	750	8	74	71	70	69				85	86				Pass
44	09/04/18	1030	84	TT	FR	X89	500	500	80		78					85	82				Pass



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND	Test Criteria	Fusion	Extrusion
PROJECT NO.:	18009	Time	As Noted	As Noted
MATERIAL TYPE:	40MIL HDPE MICROSPIKE	Number	2P/2S	2P/2S
MATERIAL LAYER:	PRIMARY	Peel - ppi	60	52
QC	CHERYL HINA	Shear - ppi	80	80

Trial No.	Date	Sample Time	Air Temp	Mater Type	Tech Initials	Machn No.	Wedge Barrel	Speed Preheat	Peel (ppi)					Shear (ppi)					Pass Fail			
									1	2	3	4	5	1	2	3	4	5				
45	09/04/18	1507	95	TT	JM	W120	750	8.5	69	66	66	65					82	80				Pass
46	09/05/18	0732	76	SS	JM	W120	750	8.5	91	75	75	73					96	90				Pass
47	09/05/18	0732	76	SS	BR	W114	750	7.5	76	70	71	74					91	92				Pass
48	09/05/18	0738	76	SS	LH	W118	750	8.5	74	80	70	75					93	86				Pass
49	09/05/18	1230	94	SS	BR	W114	750	7.5	70	69	72	67					83	84				Pass
50	09/05/18	1326	94	TT	JM	X83	500	300	78		70						82	82				Pass
51	09/05/18	1319	94	TT	FR	X89	500	500	81		74						82	83				Pass
52	09/10/18	0726	53	TT	FR	X89	500	500	90		106						108	100				Pass
53	09/10/18	0730	53	TT	JM	X83	550	500	117		96						116	110				Pass
54	09/10/18	0741	53	TT	BR	X50	250	250	95		81						100	92				Pass
55	09/10/18	1248	80	TT	BR	X50	250	250	92		85						93	87				Pass



Electronic Filing: Received, Clerk's Office 08/3/2023
TRIAL WELD FORM

PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND	Test Criteria	Fusion	Extrusion
PROJECT NO.:	18009	Time	As Noted	As Noted
MATERIAL TYPE:	40MIL HDPE MICROSPIKE	Number	2P/2S	2P/2S
MATERIAL LAYER:	PRIMARY	Peel - ppi	60	52
QC	CHERYL HINA	Shear - ppi	80	80

Trial No.	Date	Sample Time	Air Temp	Mater Type	Tech Initials	Machn No.	Wedge Barrel	Speed Preheat	Peel (ppi)					Shear (ppi)					Pass Fail		
									1	2	3	4	5	1	2	3	4	5			
56	09/10/18	1250	80	TT	FR	X89	500	500	76		78					84	87				Pass
57	09/10/18	1259	80	TT	JM	X83	550	400	80		82					86	85				Pass
58	09/11/18	1340	84	TT	FR	X83	500	500	98		93					101	94				Pass
59	09/12/18	1357	80	TT	JM	X83	550	350	92		94					97	98				Pass
60	09/14/18	0830	69	SS	BR	W114	750	9	77	72	66	74				84	81				Pass
61	09/14/18	0845	69	SS	JM	W120	700	9	68	72	69	69				84	82				Pass
62	09/14/18	0849	69	SS	LH	W118	750	8.5	82	74	82	67				84	84				Pass
63	09/14/18	1300	92	SS	BR	W114	750	8.5	72	68	76	76				85	85				Pass
64	09/14/18	1246	92	SS	JM	W120	700	9.5	60	67	70	71				80	80				Pass
65	09/14/18	1245	92	SS	LH	W118	750	8.5	60	63	63	65				81	84				Pass
66	09/15/18	0815	66	SS	JM	W120	700	9.5	77	74	86	78				100	106				Pass



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND	Test Criteria	Fusion	Extrusion
PROJECT NO.:	18009	Time	As Noted	As Noted
MATERIAL TYPE:	40MIL HDPE MICROSPIKE	Number	2P/2S	2P/2S
MATERIAL LAYER:	PRIMARY	Peel - ppi	60	52
QC	CHERYL HINA	Shear - ppi	80	80

Trial No.	Date	Sample Time	Air Temp	Mater Type	Tech Initials	Machn No.	Wedge Barrel	Speed Preheat	Peel (ppi)					Shear (ppi)					Pass Fail			
									1	2	3	4	5	1	2	3	4	5				
67	09/15/18	0818	66	SS	LH	W118	750	8.5	63	69	68	77					87	89				Pass
68	09/15/18	0818	66	SS	BR	W114	750	7.5	78	69	83	71					93	96				Pass
69	09/17/18	0740	76	TT	FR	X89	500	500	90		96						91	96				Pass
70	09/17/18	0730	76	TT	BR	X50	250	250	85		86						108	108				Pass
71	09/17/18	1244	97	TT	FR	X89	500	500	70		70						83	80				Pass
72	09/17/18	1250	97	TT	BR	X50	250	250	82		90						92	99				Pass
73	09/19/18	0749	69	TT	FR	X89	500	500	78		80						84	87				Pass
74	09/20/18	0740	70	TT	FR	X89	500	500	90		92						91	98				Pass
75	09/22/18	0746	69	TT	FR	X89	500	500	87		80						89	91				Pass
76	09/24/18	0946	64	SS	LH	W118	750	8.5	82	74	93	72					103	108				Pass
77	09/24/18	0945	64	TS	LH	W118	700	8.5	74	76	94	74					95	100				Pass



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND	Test Criteria	Fusion	Extrusion
PROJECT NO.:	18009	Time	As Noted	As Noted
MATERIAL TYPE:	40MIL HDPE MICROSPIKE	Number	2P/2S	2P/2S
MATERIAL LAYER:	PRIMARY	Peel - ppi	60	52
QC	CHERYL HINA	Shear - ppi	80	80

Trial No.	Date	Sample Time	Air Temp	Mater Type	Tech Initials	Machn No.	Wedge Barrel	Speed Preheat	Peel (ppi)					Shear (ppi)					Pass Fail			
									1	2	3	4	5	1	2	3	4	5				
78	09/24/18	0944	64	TT	LH	W118	700	8.5	78	75	81	80					92	98				Pass
79	09/24/18	1027	64	SS	JM	W120	750	8.5	73	77	83	82					105	107				Pass
80	09/24/18	1028	64	TS	JM	W120	750	8	84	74	85	75					93	94				Pass
81	09/24/18	1029	64	TT	JM	W120	750	7.5	88	80	92	99					92	91				Pass
82	09/24/18	1250	78	SS	LH	W121	750	8.5	73	74	78	75					94	99				Pass
83	09/24/18	1405	80	SS	LH	W121	750	8.5	71	69	70	64					84	91				Pass
84	09/25/18	0750	68	TT	LH	X83	500	450	72		80						88	94				Pass
85	09/25/18	0741	68	TT	PG	X89	500	500	82		83						81	87				Pass
86	09/28/18	0917	55	SS	JM	W132	750	8.5	77	65	80	72					106	110				Pass
87	09/28/18	0840	55	SS	LH	W118	750	8	70	62	78	68					90	93				Pass
88	09/28/18	0828	55	SS	JH	W120	750	8	76	65	79	73					104	110				Pass



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND	Test Criteria	Fusion	Extrusion
PROJECT NO.:	18009	Time	As Noted	As Noted
MATERIAL TYPE:	40MIL HDPE MICROSPIKE	Number	2P/2S	2P/2S
MATERIAL LAYER:	PRIMARY	Peel - ppi	60	52
QC	CHERYL HINA	Shear - ppi	80	80

Trial No.	Date	Sample Time	Air Temp	Mater Type	Tech Initials	Machn No.	Wedge Barrel	Speed Preheat	Peel (ppi)					Shear (ppi)					Pass Fail			
									1	2	3	4	5	1	2	3	4	5				
89	09/28/18	1002	55	TS	JM	W132	750	8	74	80	83	77					95	105				Pass
90	09/28/18	0835	55	TS	LH	W118	750	8.5	62	71	69	85					93	98				Pass
91	09/28/18	0828	55	TS	JH	W120	750	8	68	68	82	67					97	106				Pass
92	09/28/18	0830	55	TT	LH	W118	750	8	81	78	78	95					94	101				Pass
93	09/28/18	0938	55	TT	JH	W120	750	8	96	89	99	96					94	106				Pass
94	09/28/18	1306	74	TT	JM	W132	750	7.5	80	78	78	82					87	85				Pass
95	09/28/18	1340	74	SS	JM	W132	750	8.5	62	64	67	76					84	89				Pass
96	09/28/18	1348	74	SS	JH	W120	750	8.5	70	70	74	77					84	91				Pass
97	09/28/18	1353	74	TS	JH	W120	750	8.5	74	63	86	73					83	85				Pass
98	09/28/18	1405	74	SS	LH	W118	750	8.5	73	67	73	70					84	91				Pass
99	09/28/18	1410	74	TS	LH	W118	750	8.5	72	68	73	72					82	83				Pass



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND	Test Criteria	Fusion	Extrusion
PROJECT NO.:	18009	Time	As Noted	As Noted
MATERIAL TYPE:	40MIL HDPE MICROSPIKE	Number	2P/2S	2P/2S
MATERIAL LAYER:	PRIMARY	Peel - ppi	60	52
QC	CHERYL HINA	Shear - ppi	80	80

Trial No.	Date	Sample Time	Air Temp	Mater Type	Tech Initials	Machn No.	Wedge Barrel	Speed Preheat	Peel (ppi)					Shear (ppi)					Pass Fail		
									1	2	3	4	5	1	2	3	4	5			
100	09/29/18	0800	50	TT	PG	X83	550	500	100		104					113	103				Pass
101	09/29/18	0800	50	TT	JH	X89	550	500	98		100					100	107				Pass
102	10/03/18	0742	68	TT	JM	X89	550	400	79		89					86	100				Pass
103	10/16/18	0945	44	SS	LH	W118	700	6	81	87	90	107				106	118				Pass
104	10/16/18	0946	44	SS	JH	W120	700	6.5	97	94	105	94				122	125				Pass
105	10/16/18	1126	46	TS	JH	W120	700	7	78	74	82	88				97	97				Pass
106	10/16/18	1255	59	TT	JH	W120	750	6.5	79	78	81	71				89	94				Pass
107	10/16/18	1256	59	SS	JH	W120	750	7	71	80	91	86				110	115				Pass
108	10/16/18	1255	59	SS	LH	W118	750	6.5	78	91	80	89				97	110				Pass
109	10/16/18	1256	59	TT	LH	W118	750	7	85	78	98	82				109	109				Pass
110	10/16/18	1310	59	SS	RN	W132	750	7	77	79	89	91				105	103				Pass



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND	Test Criteria	Fusion	Extrusion
PROJECT NO.:	18009	Time	As Noted	As Noted
MATERIAL TYPE:	40MIL HDPE MICROSPIKE	Number	2P/2S	2P/2S
MATERIAL LAYER:	PRIMARY	Peel - ppi	60	52
QC	CHERYL HINA	Shear - ppi	80	80

Trial No.	Date	Sample Time	Air Temp	Mater Type	Tech Initials	Machn No.	Wedge Barrel	Speed Preheat	Peel (ppi)					Shear (ppi)					Pass Fail			
									1	2	3	4	5	1	2	3	4	5				
111	10/16/18	1310	59	TT	RN	W132	750	6.5	81	83	83	81					102	105				Pass
112	10/17/18	0749	39	SS	LH	W118	750	6	87	92	80	97					123	125				Pass
113	10/17/18	0752	39	TT	LH	W118	750	6	83	81	87	85					107	112				Pass
114	10/17/18	0748	39	SS	JH	W120	750	6	74	85	76	102					117	126				Pass
115	10/17/18	0750	39	TT	JH	W120	750	6	97	71	90	93					101	111				Pass
116	10/17/18	1253	58	TT	JH	W120	750	6.5	96	91	103	102					98	99				Pass
117	10/17/18	1250	58	SS	LH	W118	750	6.5	70	74	75	78					88	92				Pass
118	10/17/18	1252	58	TT	LH	W118	750	6.5	95	93	112	99					103	110				Pass
119	10/18/18	0755	32	SS	JH	W120	800	5.5	91	87	83	90					126	131				Pass
120	10/18/18	0756	32	TT	JH	W120	800	5.5	92	98	113	99					116	115				Pass
121	10/18/18	0759	32	SS	LH	W118	850	5.5	77	91	96	93					123	129				Pass



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND	Test Criteria	Fusion	Extrusion
PROJECT NO.:	18009	Time	As Noted	As Noted
MATERIAL TYPE:	40MIL HDPE MICROSPIKE	Number	2P/2S	2P/2S
MATERIAL LAYER:	PRIMARY	Peel - ppi	60	52
QC	CHERYL HINA	Shear - ppi	80	80

Trial No.	Date	Sample Time	Air Temp	Mater Type	Tech Initials	Machn No.	Wedge Barrel	Speed Preheat	Peel (ppi)					Shear (ppi)					Pass Fail			
									1	2	3	4	5	1	2	3	4	5				
122	10/18/18	0802	32	TT	LH	W118	850	5.5	90	89	94	87					121	117				Pass
123	10/18/18	1242	62	SS	JH	W120	750	7.5	72	86	89	89					107	107				Pass
124	10/18/18	1243	62	TT	JH	W120	750	7.5	74	83	89	80					90	105				Pass
125	10/18/18	1249	62	SS	LH	W118	750	7	70	77	79	87					103	107				Pass
126	10/18/18	1247	62	TT	LH	W118	750	7	80	77	82	78					91	98				Pass
127	10/18/18	1320	62	SS	RN	W132	850	6.5	70	83	70	84					99	92				Pass
128	10/18/18	1314	62	TT	RN	W132	850	6.5	78	84	80	91					90	98				Pass
129	10/19/18	0800	47	SS	JH	W120	800	5.5	85	77	92	99					112	120				Pass
130	10/19/18	0800	47	SS	LH	W118	800	5.5	75	88	88	88					110	113				Pass
131	10/19/18	1040	48	TT	LH	W118	800	6	92	100	103	101					106	117				Pass
132	10/22/18	0830	42	SS	LH	W118	750	6	81	78	84	89					120	127				Pass



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND	Test Criteria	Fusion	Extrusion
PROJECT NO.:	18009	Time	As Noted	As Noted
MATERIAL TYPE:	40MIL HDPE MICROSPIKE	Number	2P/2S	2P/2S
MATERIAL LAYER:	PRIMARY	Peel - ppi	60	52
QC	CHERYL HINA	Shear - ppi	80	80

Trial No.	Date	Sample Time	Air Temp	Mater Type	Tech Initials	Machn No.	Wedge Barrel	Speed Preheat	Peel (ppi)					Shear (ppi)					Pass Fail			
									1	2	3	4	5	1	2	3	4	5				
133	10/22/18	0831	42	TT	LH	W118	750	5.5	98	100	101	98					108	113				Pass
134	10/22/18	0845	42	SS	JH	W120	750	6	92	79	98	77					119	125				Pass
135	10/22/18	0846	42	TT	JH	W120	750	5.5	91	92	102	98					103	107				Pass
136	10/22/18	0850	42	SS	BR	W133	800	5.5	89	79	79	75					109	117				Pass
137	10/22/18	0851	42	TT	BR	W133	800	5	107	89	104	107					104	110				Pass
138	10/22/18	1300	68	SS	BR	W133	700	8	70	75	88	82					100	103				Pass
139	10/22/18	1303	68	TT	BR	W133	700	7	87	82	85	82					87	89				Pass
140	10/22/18	1300	68	SS	LH	W118	750	6.5	65	84	74	89					101	107				Pass
141	10/22/18	1305	68	TT	LH	W118	750	7	87	83	89	87					90	95				Pass
142	10/22/18	1306	68	SS	JH	W120	750	8	79	69	81	72					99	106				Pass
143	10/22/18	1310	68	TT	JH	W120	750	8	84	81	69	80					90	91				Pass



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND	Test Criteria	Fusion	Extrusion
PROJECT NO.:	18009	Time	As Noted	As Noted
MATERIAL TYPE:	40MIL HDPE MICROSPIKE	Number	2P/2S	2P/2S
MATERIAL LAYER:	PRIMARY	Peel - ppi	60	52
QC	CHERYL HINA	Shear - ppi	80	80

Trial No.	Date	Sample Time	Air Temp	Mater Type	Tech Initials	Machn No.	Wedge Barrel	Speed Preheat	Peel (ppi)					Shear (ppi)					Pass Fail			
									1	2	3	4	5	1	2	3	4	5				
144	10/23/18	0800	40	SS	BR	W133	750	6	94	73	95	85					126	135				Pass
145	10/23/18	0801	40	TT	BR	W133	750	6.5	100	105	116	100					106	120				Pass
146	10/23/18	0810	40	SS	LH	W118	800	6	88	85	113	83					115	126				Pass
147	10/23/18	0811	40	TT	LH	W118	800	6	82	96	102	106					113	118				Pass
148	10/23/18	0804	40	SS	JH	W120	800	5.5	81	81	100	89					120	124				Pass
149	10/23/18	0805	40	TT	JH	W120	800	5.5	85	80	74	89					109	116				Pass
150	10/23/18	1048	56	TS	BR	W133	750	7.5	74	71	72	74					98	100				Pass
151	10/23/18	1244	60	TT	BR	X83	500	500	76		82						86	88				Pass
152	10/23/18	1248	60	TT	LH	X89	500	500	95		87						94	97				Pass
153	10/24/18	0740	39	TT	JV	X50	250	250	96		96						106	110				Pass
154	10/24/18	0745	39	TT	LH	X89	500	500	93		97						133	141				Pass



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND	Test Criteria	Fusion	Extrusion
PROJECT NO.:	18009	Time	As Noted	As Noted
MATERIAL TYPE:	40MIL HDPE MICROSPIKE	Number	2P/2S	2P/2S
MATERIAL LAYER:	PRIMARY	Peel - ppi	60	52
QC	CHERYL HINA	Shear - ppi	80	80

Trial No.	Date	Sample Time	Air Temp	Mater Type	Tech Initials	Machn No.	Wedge Barrel	Speed Preheat	Peel (ppi)					Shear (ppi)					Pass Fail	
									1	2	3	4	5	1	2	3	4	5		
155	10/24/18	0805	40	TT	BR	X71	280	280	87	88					105	109				Pass
156	10/24/18	1240	58	TT	BR	X83	500	500	95	87					96	101				Pass
157	10/24/18	1303	58	TT	LH	X89	500	500	78	82					101	107				Pass
158	10/24/18	1255	58	TT	JV	X50	250	250	90	89					118	121				Pass
159	10/25/18	0746	40	TT	BR	X83	500	500	90	88					89	88				Pass
160	10/25/18	0745	40	TT	JV	X50	250	250	93	94					120	120				Pass
161	10/25/18	0745	40	TT	LH	X89	500	500	109	97					117	124				Pass
162	10/27/18	0813	40	TT	PG	X83	500	500	84	73					101	108				Pass
163	10/27/18	0807	40	TT	LH	X89	500	500	77	83					117	107				Pass
164	10/30/18	0715	50	TT	BR	X89	500	500	81	83					106	109				Pass



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND	Test Criteria	Fusion	Extrusion
PROJECT NO.:	18009	Time	As Noted	As Noted
MATERIAL TYPE:	40MIL HDPE MICROSPIKE	Number	2P/2S	2P/2S
MATERIAL LAYER:	PRIMARY	Peel - ppi	60	52
QC NAME:	CHERYL HINA	Shear - ppi	80	80

Trial No.	Date	Sample Time	Air Temp	Mater Type	Tech Initials	Machn No.	Wedge Barrel	Speed Preheat	Peel (ppi)					Shear (ppi)					Pass Fail			
									1	2	3	4	5	1	2	3	4	5				
165	04/17/19	12:45	68	TT	BR	X89	500	500	84		87					88	86					Pass

PANEL SEAMING FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND
PROJECT NO.:	18009
MATERIAL TYPE:	40MIL HDPE MICROSPIKE
MATERIAL LAYER:	PRIMARY
QC NAME:	CHERYL HINA

Seam Number	Date	Time	Seam Length (FT)	Seamer Initials	Machine Number	Wedge / Barrel	Speed / Preheat	Trial Seam No.	Comments	Non Destructive Testing Completion Date
1-2	08/17/18	0914	42	BR	W114	750	7.5	1		8/17/2018
2-3	08/17/18	0925	43	BR	W114	750	7.5	1		8/17/2018
3-4	08/17/18	0936	42	BR	W114	750	7.5	1		8/17/2018
4-5	08/17/18	0919	42	LH	W118	750	6	7		8/17/2018
5-6	08/17/18	0930	42	LH	W118	750	6	7		8/17/2018
6-7	08/17/18	0850	43	JM	W120	750	8.5	4		8/17/2018
7-8	08/17/18	0935	41	JM	W120	750	8.5	4		8/17/2018
8-9	08/17/18	958	19	JM	W120	750	8	5		8/17/2018
8-10	08/17/18	0956	23	JM	W120	750	8	5		8/17/2018
9-10	08/17/18	0944	19	JM	W120	750	8.5	4		8/17/2018
10-11	08/17/18	1005	41	JM	W120	750	8.5	4		8/17/2018
11-12	08/17/18	1017	40	JM	W120	750	8.5	4		8/17/2018
12-13	08/17/18	0956	39	BR	W114	750	7.5	1		8/17/2018
13-14	08/17/18	1020	17.5	BR	W114	750	7.5	2		8/17/2018
14-15	08/17/18	1007	16.5	BR	W114	750	7.5	1		8/17/2018
13-15	08/17/18	1020	62	BR	W114	750	7.5	2		8/17/2018
15-16	08/17/18	1030	39.5	BR	W114	750	7.5	1		8/17/2018
16-17	08/17/18	0959	39	LH	W118	750	6	7		8/17/2018
17-18	08/17/18	1009	39.5	LH	W118	750	6	7		8/17/2018
18-19	08/17/18	1038	15	LH	W118	750	6	8		8/17/2018

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 PANEL SEAMING FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND
PROJECT NO.:	18009
MATERIAL TYPE:	40MIL HDPE MICROSPIKE
MATERIAL LAYER:	PRIMARY
QC NAME:	CHERYL HINA

Seam Number	Date	Time	Seam Length (FT)	Seamer Initials	Machine Number	Wedge / Barrel	Speed / Preheat	Trial Seam No.	Comments	Non Destructive Testing Completion Date
19-20	08/17/18	1020	14	LH	W118	750	6	8		8/17/2018
18-20	08/17/18	1033	25.5	LH	W118	750	6	8		8/17/2018
20-21	08/17/18	1046	37	LH	W118	750	6	7		8/17/2018
21-22	08/17/18	1100	39	LH	W118	750	6	7		8/17/2018
22-23	08/17/18	1036	40	JM	W120	750	8.5	4		8/17/2018
23-24	08/17/18	1047	40	JM	W120	750	8.5	4		8/17/2018
24-25	08/17/18	1112	15.5	JM	W120	750	8	5		8/17/2018
25-26	08/17/18	1057	13.5	JM	W120	750	8	5		8/17/2018
24-26	08/17/18	1114	26.5	JM	W120	750	8	5		8/17/2018
26-27	08/17/18	1052	40	BR	W114	750	7.5	1		8/17/2018
27-28	08/17/18	1108	41.5	BR	W114	750	7.5	1		8/17/2018
29-30	08/17/18	1124	294	LH	W118	750	6	7		8/17/2018
29-31	08/17/18	1253	120	LH	W118	750	6	7		8/17/2018
30-31	08/17/18	1132	22.5	JM	W120	750	7.5	6		8/17/2018
30-32	08/17/18	1250	268	JM	W120	750	8.5	4		8/17/2018
31-32	08/17/18	1314	111	JM	W120	750	8.5	4		8/17/2018
32-33	08/17/18	1247	233	BR	W114	750	7.5	1		8/17/2018
32-34	08/17/18	1309	103	BR	W114	750	7.5	1		8/17/2018
33-34	08/17/18	1139	22.5	BR	W114	750	7.5	3		8/17/2018
33-35	08/17/18	1332	194	BR	W114	750	7.5	1		8/17/2018

Electronic Filing: Received, Clerk's Office 08/3/2023
 PANEL SEAMING FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND
PROJECT NO.:	18009
MATERIAL TYPE:	40MIL HDPE MICROSPIKE
MATERIAL LAYER:	PRIMARY
QC NAME:	CHERYL HINA

Seam Number	Date	Time	Seam Length (FT)	Seamer Initials	Machine Number	Wedge / Barrel	Speed / Preheat	Trial Seam No.	Comments	Non Destructive Testing Completion Date
33-36	08/17/18	1350	18	BR	W114	750	7.5	1		8/17/2018
34-36	08/17/18	1353	85	BR	W114	750	7.5	1		8/17/2018
35-37	08/17/18	1338	162	JM	W120	750	8.5	4		8/17/2018
36-37	08/17/18	1352	77	JM	W120	750	8.5	4		8/17/2018
37-38	08/17/18	1400	178	JM	W120	750	8.5	4		8/17/2018
35-36	08/17/18	1145	22.5	JM	W120	750	7.5	6		8/17/2018
28-39	08/17/18	1322	42	LH	W118	750	6	7		8/17/2018
39-40	08/17/18	1328	42	LH	W118	750	6	7		8/17/2018
40-41	08/17/18	1441	42	BR	W114	750	7.5	9		8/17/2018
41-43	08/17/18	1446	33.5	BR	W114	750	7.5	10		8/17/2018
42-43	08/17/18	1454	32	BR	W114	750	7.5	10		8/17/2018
1-29	08/17/18	1508	6	JM	W120	750	9.5	12		8/17/2018
2-29	08/17/18	1509	22.75	JM	W120	750	9.5	12		8/17/2018
3-29	-	-	0.5	-	PATCH	-	-	-		-
3-30	08/17/18	1513	21.5	JM	W120	750	9.5	12		8/17/2018
4-30	08/17/18	1515	14.5	JM	W120	750	9.5	12		8/17/2018
4-32	08/17/18	1516	9	JM	W120	750	9.5	12		8/17/2018
5-32	08/17/18	1517	22.5	JM	W120	750	9.5	12		8/17/2018
6-32	08/17/18	1518	8.75	JM	W120	750	9.5	12		8/17/2018
6-33	08/17/18	1519	16.5	JM	W120	750	9.5	12		8/17/2018



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND
PROJECT NO.:	18009
MATERIAL TYPE:	40MIL HDPE MICROSPIKE
MATERIAL LAYER:	PRIMARY
QC NAME:	CHERYL HINA

Seam Number	Date	Time	Seam Length (FT)	Seamer Initials	Machine Number	Wedge / Barrel	Speed / Preheat	Trial Seam No.	Comments	Non Destructive Testing Completion Date
7-33	08/17/18	1520	13	JM	W120	750	9.5	12		8/17/2018
7-35	08/17/18	1521	9.5	JM	W120	750	9.5	12		8/17/2018
8-35	08/17/18	1522	23	JM	W120	750	9.5	12		8/17/2018
10-35	08/17/18	1524	5.75	JM	W120	750	9.5	12		8/17/2018
10-37	08/17/18	1525	10.5	JM	W120	750	9.5	12		8/17/2018
11-37	08/17/18	1526	22.5	JM	W120	750	9.5	12		8/17/2018
12-37	08/17/18	1527	7	JM	W120	750	9.5	12		8/17/2018
12-38	08/17/18	1528	16	JM	W120	750	9.5	12		8/17/2018
13-38	08/17/18	1529	23	JM	W120	750	9.5	12		8/17/2018
15-38	08/17/18	1541	16.25	JM	W120	750	9.5	12		8/17/2018
16-38	08/17/18	1543	22.75	JM	W120	750	9.5	12		8/17/2018
17-38	08/17/18	1545	23	JM	W120	750	9.5	12		8/18/2018
18-38	08/17/18	1522	24	BR	W114	750	7	11		8/18/2018
20-38	08/17/18	1526	9	BR	W114	750	7	11		8/18/2018
21-38	08/17/18	1527	22.5	BR	W114	750	7	11		8/18/2018
22-38	08/17/18	1529	22.75	BR	W114	750	7	11		8/18/2018
23-38	08/17/18	1531	12.75	BR	W114	750	7	11		8/18/2018
23-37	08/17/18	1532	10.25	BR	W114	750	7	11		8/18/2018
24-37	08/17/18	1533	24	BR	W114	750	7	11		8/18/2018
26-37	08/17/18	1534	5	BR	W114	750	7	11		8/18/2018



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND
PROJECT NO.:	18009
MATERIAL TYPE:	40MIL HDPE MICROSPIKE
MATERIAL LAYER:	PRIMARY
QC NAME:	CHERYL HINA

Seam Number	Date	Time	Seam Length (FT)	Seamer Initials	Machine Number	Wedge / Barrel	Speed / Preheat	Trial Seam No.	Comments	Non Destructive Testing Completion Date
26-36	08/17/18	1534	4.5	BR	W114	750	7	11		8/18/2018
27-36	08/17/18	1544	22.5	BR	W114	750	7	11		8/18/2018
28-36	-	-	4	-	PATCH	-	-	-		-
28-34	08/17/18	1545	18.75	BR	W114	750	7	11		8/18/2018
34-39	08/17/18	1550	10.75	BR	W114	750	7	11		8/18/2018
32-39	08/17/18	1551	12	BR	W114	750	7	11		8/18/2018
32-40	08/17/18	1551	14.5	BR	W114	750	7	11		8/18/2018
31-40	08/17/18	1552	9.5	BR	W114	750	7	11		8/18/2018
31-41	08/17/18	1553	15	BR	W114	750	7	11		8/18/2018
29-41	08/17/18	1556	11.5	BR	W114	750	7	11		8/18/2018
29-42	08/17/18	1557	20.25	BR	W114	750	7	11		8/18/2018
44-47	08/22/18	0840	16	JM	W120	750	9	17		8/22/2018
29-48	08/22/18	0856	446.5	JM	W120	750	8.5	18		8/22/2018
42-48	08/22/18	0931	38	JM	W120	750	8.5	18		8/22/2018
45-46	08/22/18	0912	41	BR	W114	750	5.5	19		8/22/2018
45-47	08/22/18	0985	22	BR	W114	750	5.5	19		8/22/2018
44-45	08/22/18	0851	24	BR	W114	750	5.5	19		8/22/2018
48-49	08/22/18	0919	522	BR	W114	750	7.5	20		8/22/2018
49-51	08/22/18	0940	336	LH	W121	750	7.5	21		8/22/2018
49-50	08/22/18	1006	198	LH	W121	750	7.5	21		8/22/2018

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 PANEL SEAMING FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND
PROJECT NO.:	18009
MATERIAL TYPE:	40MIL HDPE MICROSPIKE
MATERIAL LAYER:	PRIMARY
QC NAME:	CHERYL HINA

Seam Number	Date	Time	Seam Length (FT)	Seamer Initials	Machine Number	Wedge / Barrel	Speed / Preheat	Trial Seam No.	Comments	Non Destructive Testing Completion Date
50-51	08/22/18	0952	22.5	JM	W120	750	8.5	17		8/22/2018
50-52	08/22/18	1051	194	JM	W120	750	9	18		8/22/2018
51-52	08/22/18	1037	193	JM	W120	750	9	18		8/22/2018
51-53	08/22/18	1021	156	JM	W120	750	9	18		8/22/2018
52-53	08/22/18	1014	22.5	JM	W120	750	8.5	17		8/22/2018
52-56	08/22/18	1115	391	BR	W114	750	7.5	20		8/22/2018
53-56	08/22/18	1108	85	BR	W114	750	7.5	20		8/22/2018
53-57	08/22/18	1058	84	BR	W114	750	7.5	20		8/22/2018
56-57	08/22/18	1056	22.5	LH	W121	750	8.5	23		8/22/2018
56-61	08/22/18	1150	479	JM	W120	750	8.5	18		8/22/2018
61-62	08/22/18	1122	22.5	JM	W120	750	9	17		8/22/2018
57-61	08/22/18	1147	23	JM	W120	750	8.5	18		8/22/2018
57-62	08/22/18	1140	69	JM	W120	750	8.5	18		8/22/2018
62-63	08/22/18	1315	77	LH	W121	750	-	CAP	ENTIRE	8/22/2018
61-63	08/22/18	1320	379	LH	W121	750	-	CAP	SEOS TO 379	8/22/2018
61-63	08/22/18	1504	126	JM	W120	750	9	27	SEOS 379 TO NEOS	8/22/2018
63-65	08/22/18	1322	603	BR	W114	750	5.5	25		8/22/2018
46-54	08/22/18	1033	38	BR	W114	750	7.5	20		8/22/2018
54-55	08/22/18	1038	38	LH	W121	750	7.5	21		8/22/2018
55-58	08/22/18	1116	39	LH	W121	750	7.5	21		8/22/2018



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND
PROJECT NO.:	18009
MATERIAL TYPE:	40MIL HDPE MICROSPIKE
MATERIAL LAYER:	PRIMARY
QC NAME:	CHERYL HINA

Seam Number	Date	Time	Seam Length (FT)	Seamer Initials	Machine Number	Wedge / Barrel	Speed / Preheat	Trial Seam No.	Comments	Non Destructive Testing Completion Date
58-59	08/22/18	1127	41	LH	W121	750	7.5	21		8/22/2018
59-60	08/22/18	1136	44	LH	W121	750	7.5	21		8/22/2018
60-64	08/22/18	1145	34	LH	W121	750	7.5	21		8/22/2018
64-66	08/22/18	1624	35	JM	W120	750	9	27		8/23/2018
66-67	08/22/18	1631	34.5	JM	W120	750	9	27		8/23/2018
67-68	08/22/18	1638	32.5	JM	W120	750	9	27		8/23/2018
65-69	08/22/18	1407	620	JM	W120	750	9	27		8/22/2018
69-70	08/22/18	1435	95	BR	W114	750	5.5	25		8/22/2018
69-71	08/22/18	1439	537	BR	W114	750	5.5	25		8/22/2018
70-71	08/22/18	1429	22.5	BR	W114	750	5.5	26		8/22/2018
70-73	08/22/18	1524	104.5	JM	W120	750	9	27		8/22/2018
71-73	08/22/18	1532	48	JM	W120	750	9	27		8/22/2018
71-74	08/22/18	1536	493	JM	W120	750	9	27		8/22/2018
73-74	08/22/18	1437	22.5	LH	W121	750	9.5	24		8/22/2018
73-76	08/22/18	1535	163	BR	W114	750	5.5	25		8/22/2018
74-76	08/22/18	1549	35	BR	W114	750	5.5	25		8/22/2018
74-77	08/22/18	1552	460	BR	W114	750	5.5	25		8/23/2018
76-77	08/22/18	1451	22.5	LH	W121	750	9.5	24		8/22/2018
68-72	08/22/18	1639	32	BR	W114	750	5.5	25		8/23/2018
72-75	08/22/18	1633	33	BR	W114	750	5.5	25		8/23/2018

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PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND
PROJECT NO.:	18009
MATERIAL TYPE:	40MIL HDPE MICROSPIKE
MATERIAL LAYER:	PRIMARY
QC NAME:	CHERYL HINA

Seam Number	Date	Time	Seam Length (FT)	Seamer Initials	Machine Number	Wedge / Barrel	Speed / Preheat	Trial Seam No.	Comments	Non Destructive Testing Completion Date
1-48	08/22/18	1617	14.5	LH	W121	750	9.5	24		8/22/2018
47-48	08/22/18	1616	13.25	LH	W121	750	9.5	24		8/22/2018
45-48	08/22/18	1615	4.5	LH	W121	750	9.5	24		8/22/2018
45-49	08/22/18	1614	16.25	LH	W121	750	9.5	24		8/22/2018
46-49	08/22/18	1613	9.5	LH	W121	750	9.5	24		8/22/2018
46-51	08/22/18	1612	13.25	LH	W121	750	9.5	24		8/22/2018
51-54	08/22/18	1611	12	LH	W121	750	9.5	24		8/22/2018
53-54	08/22/18	1610	11.25	LH	W121	750	9.5	24		8/22/2018
53-55	08/22/18	1609	15.25	LH	W121	750	9.5	24		8/23/2018
55-57	08/22/18	1608	7	LH	W121	750	9.5	24		8/23/2018
57-58	08/22/18	1607	16.75	LH	W121	750	9.5	24		8/23/2018
58-62	08/22/18	1606	6.25	LH	W121	750	9.5	24		8/23/2018
59-62	08/22/18	1605	18.75	LH	W121	750	9.5	24		8/23/2018
59-63	08/22/18	1604	5	LH	W121	750	9.5	24		8/23/2018
60-63	08/22/18	1602	22.5	LH	W121	750	9.5	24		8/23/2018
64-65	08/22/18	1600	21.5	LH	W121	750	9.5	24		8/23/2018
65-66	08/22/18	1653	5.25	LH	W121	750	9.5	24		8/23/2018
66-69	08/22/18	1652	17.25	LH	W121	750	9.5	24		8/23/2018
67-69	08/22/18	1651	8	LH	W121	750	9.5	24		8/23/2018
67-70	08/22/18	1650	13.75	LH	W121	750	9.5	24		8/23/2018



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND
PROJECT NO.:	18009
MATERIAL TYPE:	40MIL HDPE MICROSPIKE
MATERIAL LAYER:	PRIMARY
QC NAME:	CHERYL HINA

Seam Number	Date	Time	Seam Length (FT)	Seamer Initials	Machine Number	Wedge / Barrel	Speed / Preheat	Trial Seam No.	Comments	Non Destructive Testing Completion Date
68-70	08/22/18	1649	11	LH	W121	750	9.5	24		8/23/2018
68-73	08/22/18	1648	11.75	LH	W121	750	9.5	24		8/23/2018
72-73	08/22/18	1647	13	LH	W121	750	9.5	24		8/23/2018
72-76	08/22/18	1646	9.5	LH	W121	750	9.5	24		8/23/2018
75-76	08/22/18	1645	15.75	LH	W121	750	9.5	24		8/23/2018
1-44	08/22/18	1539	22	LH	W121	750	9.5	24		8/22/2018
1-47	08/22/18	1541	20	LH	W121	750	9.5	24		8/22/2018
62-78	08/23/18	1434	77.5	BR	W114	750	7.5	32		8/23/2018
63-78	08/23/18	1349	94	BR	W114	750	7.5	32		8/23/2018
61-78	08/23/18	1443	16.5	BR	W114	750	7.5	32		8/23/2018
61-79	08/23/18	1444	95	BR	W114	750	7.5	32		8/23/2018
63-79	08/23/18	1410	95	BR	W114	750	7.5	32		8/23/2018
61-80	08/23/18	1510	97	BR	W114	750	7.5	32		8/23/2018
63-80	08/23/18	1458	97	BR	W114	750	7.5	32		8/23/2018
61-81	08/23/18	1529	96	BR	W114	750	7.5	32		8/23/2018
63-81	08/23/18	1519	96	BR	W114	750	7.5	32		8/23/2018
61-82	08/23/18	1555	77	BR	W114	750	7.5	32		8/23/2018
63-82	08/23/18	1542	77	BR	W114	750	7.5	32		8/23/2018
77-83	09/04/18	1104	167	BR	W114	750	5.5	41		9/4/2018
77-84	09/04/18	1122	297	BR	W114	750	5.5	41		9/4/2018

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 PANEL SEAMING FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND
PROJECT NO.:	18009
MATERIAL TYPE:	40MIL HDPE MICROSPIKE
MATERIAL LAYER:	PRIMARY
QC NAME:	CHERYL HINA

Seam Number	Date	Time	Seam Length (FT)	Seamer Initials	Machine Number	Wedge / Barrel	Speed / Preheat	Trial Seam No.	Comments	Non Destructive Testing Completion Date
76-84	09/04/18	1145	210	BR	W114	750	5.5	41		9/4/2018
83-84	09/04/18	1109	22.5	JM	W120	750	8	40		9/4/2018
84-85	09/04/18	1248	513	JM	W120	750	9	38		9/4/2018
83-85	09/04/18	1330	168	JM	W120	750	9	38		9/4/2018
85-86	09/04/18	1255	700	LH	W118	750	9	35		9/4/2018
86-88	09/04/18	1325	713	BR	W114	750	5.5	41		9/4/2018
88-89	09/04/18	1355	727	JM	W120	750	9	38		9/4/2018
75-87	09/04/18	1445	34	LH	W118	750	9	35		9/4/2018
87-90	09/04/18	1449	35	LH	W118	750	9	35		9/4/2018
90-91	09/04/18	1455	38	LH	W118	750	9	35		9/4/2018
91-92	09/04/18	1459	41	BR	W114	750	5.5	41		9/4/2018
92-93	09/04/18	1452	45	BR	W114	750	5.5	41		9/4/2018
93-94	09/04/18	1447	42	BR	W114	750	5.5	41		9/4/2018
75-84	09/04/18	1540	6.5	JM	W120	750	8.5	45		9/4/2018
84-87	09/04/18	1539	19.5	JM	W120	750	8.5	45		9/4/2018
85-87	-	-	3	-	PATCH	-	-	-		-
85-90	09/04/18	1537	22.5	JM	W120	750	8.5	45		9/4/2018
86-91	09/04/18	1534	23	JM	W120	750	8.5	45		9/4/2018
86-92	-	-	2	-	PATCH	-	-	-		-
88-92	09/04/18	1527	20.5	JM	W120	750	8.5	45		9/4/2018

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PROJECT NO.:	18009
MATERIAL TYPE:	40MIL HDPE MICROSPIKE
MATERIAL LAYER:	PRIMARY
QC NAME:	CHERYL HINA

Seam Number	Date	Time	Seam Length (FT)	Seamer Initials	Machine Number	Wedge / Barrel	Speed / Preheat	Trial Seam No.	Comments	Non Destructive Testing Completion Date
88-93	-	-	5.5	-	PATCH	-	-	-		-
89-93	09/04/18	1522	22	JM	W120	750	8.5	45		9/4/2018
89-95	09/05/18	0752	735	JM	W120	750	8.5	46		9/5/2018
95-96	09/05/18	0756	740	BR	W114	750	7.5	47		9/5/2018
96-97	09/05/18	0817	739	LH	W118	750	8.5	48		9/5/2018
97-98	09/05/18	0850	741	JM	W120	750	8.5	46		9/5/2018
98-99	09/05/18	0908	742	BR	W114	750	7.5	47		9/5/2018
99-100	09/05/18	1000	741	LH	W118	750	8.5	48		9/5/2018
100-101	09/05/18	1033	742	JM	W120	750	8.5	46		9/5/2018
101-102	09/05/18	1048	742	BR	W114	750	7.5	47		9/5/2018
102-103	09/05/18	1120	744	LH	W118	750	8.5	48		9/5/2018
103-104	09/05/18	1315	743	BR	W114	750	8.5	49		9/5/2018
104-105	09/14/18	0841	742	BR	W114	750	9	60		9/14/2018
105-106	09/14/18	0915	739	JM	W120	700	9	61		9/14/2018
106-107	09/14/18	0918	741	LH	W118	750	8.5	62		9/14/2018
107-108	09/14/18	1005	740	BR	W114	750	9	60		9/14/2018
108-109	09/14/18	1031	729	JM	W120	700	9	61		9/14/2018
109-110	09/14/18	1039	738	LH	W118	750	8.5	62		9/14/2018
110-111	09/14/18	1111	740	BR	W114	750	9	60		9/14/2018
111-112	09/14/18	1248	741	JM	W120	700	9.5	64		9/14/2018

PANEL SEAMING FORM



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MATERIAL TYPE:	40MIL HDPE MICROSPIKE
MATERIAL LAYER:	PRIMARY
QC NAME:	CHERYL HINA

Seam Number	Date	Time	Seam Length (FT)	Seamer Initials	Machine Number	Wedge / Barrel	Speed / Preheat	Trial Seam No.	Comments	Non Destructive Testing Completion Date
112-113	09/14/18	1248	741	LH	W118	750	8.5	65		9/14/2018
113-114	09/14/18	1306	744	BR	W114	750	8.5	63		9/14/2018
114-115	09/14/18	1355	744	JM	W120	700	9.5	64		9/14/2018
115-116	09/14/18	1408	746	LH	W118	750	8.5	65		9/14/2018
116-117	09/14/18	1424	743	BR	W114	750	8.5	63		9/14/2018
117-118	09/15/18	0820	735	JM	W120	700	9.5	66		9/17/2018
118-119	09/15/18	0826	736	BR	W114	750	7.5	68		9/17/2018
119-120	09/15/18	0826	703	LH	W118	750	8.5	67		9/17/2018
120-121	09/15/18	0935	705	JM	W120	700	9.5	66		9/17/2018
121-122	09/15/18	0931	736	BR	W114	750	7.5	68		9/17/2018
122-123	09/15/18	0937	735	LH	W118	750	8.5	67		9/17/2018
123-124	09/15/18	1036	738	JM	W120	700	9.5	66		9/17/2018
124-125	09/15/18	1038	739	BR	W114	750	7.5	68		9/17/2018
125-126	09/15/18	1040	741	LH	W118	750	8.5	67		9/17/2018
126-127	09/15/18	1150	740	JM	W120	700	9.5	66		9/17/2018
127-128	09/24/18	1023	435	LH	W118	750	8.5	76		9/24/2018
127-128	09/24/18	1415	308	LH	W121	750	8.5	83		9/24/2018
128-129	09/24/18	1041	737	JM	W120	750	8.5	79		9/24/2018
129-130	09/24/18	1236	737	JM	W120	750	8.5	79		9/24/2018
130-131	09/24/18	1347	735	JM	W120	750	8.5	79		9/24/2018

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 PANEL SEAMING FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND
PROJECT NO.:	18009
MATERIAL TYPE:	40MIL HDPE MICROSPIKE
MATERIAL LAYER:	PRIMARY
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Seam Number	Date	Time	Seam Length (FT)	Seamer Initials	Machine Number	Wedge / Barrel	Speed / Preheat	Trial Seam No.	Comments	Non Destructive Testing Completion Date
131-132	09/24/18	1459	738	JM	W120	750	8.5	79		9/24/2018
132-133	09/24/18	1457	699	JM	W120	750	8.5	79		9/24/2018
132-134	09/28/18	0939	38	LH	W118	750	8	87		9/29/2018
133-134	09/28/18	0925	22.5	LH	W118	750	8	92		9/29/2018
133-135	09/28/18	0955	655	LH	W118	750	8	87		9/29/2018
134-135	09/28/18	0952	38	LH	W118	750	8	87		9/29/2018
135-137	09/28/18	0952	679	JH	W120	750	8	88		9/29/2018
137-143	09/28/18	1006	659	JM	W132	750	8.5	86		9/29/2018
143-146	09/28/18	1112	610	JH	W120	750	8	88		9/29/2018
133-138	09/28/18	1116	28.5	LH	W118	750	8.5	90		9/29/2018
136-138	09/28/18	1105	26.5	LH	W118	750	8.5	90		9/29/2018
133-136	09/28/18	1115	6	LH	W118	750	8.5	90		9/29/2018
136-139	09/28/18	1127	24.5	LH	W118	750	8	87		9/29/2018
139-140	09/28/18	1132	25.5	LH	W118	750	8	87		9/29/2018
140-141	09/28/18	1124	34.5	JM	W132	750	8.5	86		9/29/2018
141-142	09/28/18	1133	36.5	JM	W132	750	8.5	86		9/29/2018
142-144	09/28/18	1144	14	LH	W118	750	8.5	90		9/29/2018
144-145	09/28/18	1248	12.5	LH	W118	750	8.5	90		9/29/2018
145-147	09/28/18	1143	21	JM	W132	750	8.5	86		9/29/2018
142-145	09/28/18	1246	21.5	LH	W118	750	8.5	90		9/29/2018

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PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND
PROJECT NO.:	18009
MATERIAL TYPE:	40MIL HDPE MICROSPIKE
MATERIAL LAYER:	PRIMARY
QC NAME:	CHERYL HINA

Seam Number	Date	Time	Seam Length (FT)	Seamer Initials	Machine Number	Wedge / Barrel	Speed / Preheat	Trial Seam No.	Comments	Non Destructive Testing Completion Date
147-148	09/28/18	1253	35	LH	W118	750	8	87		9/29/2018
146-155	09/28/18	1247	445	JH	W120	750	8	88		9/29/2018
148-149	09/28/18	1310	27	JM	W132	750	8.5	86		9/29/2018
149-150	09/28/18	1317	30	JM	W132	750	8.5	86		9/29/2018
150-151	09/28/18	1322	33	JM	W132	750	8.5	86		9/29/2018
151-152	09/28/18	1304	40	LH	W118	750	8	87		9/29/2018
155-163	09/28/18	1357	294	JH	W120	750	8.5	96		9/29/2018
152-153	09/28/18	1315	41	LH	W118	750	8.5	87		9/29/2018
153-154	09/28/18	1407	43	JM	W132	750	8.5	95		9/29/2018
154-156	09/28/18	1402	24.5	JM	W132	750	8.5	95		9/29/2018
156-157	09/28/18	1355	27	JM	W132	750	8.5	95		9/29/2018
157-158	09/28/18	1420	29	JM	W132	750	8.5	95		9/29/2018
158-159	09/28/18	1427	32.5	JM	W132	750	8.5	95		9/29/2018
159-160	09/28/18	1433	35	JM	W132	750	8.5	95		9/29/2018
160-161	09/28/18	1418	38	LH	W118	750	8.5	98		9/29/2018
161-162	09/28/18	1424	41.5	LH	W118	750	8.5	98		9/29/2018
162-164	09/28/18	1432	22.5	LH	W118	750	8.5	98		9/29/2018
164-165	09/28/18	1440	26	LH	W118	750	8.5	98		9/29/2018
165-166	09/28/18	1447	29	LH	W118	750	8.5	98		9/29/2018
166-167	09/28/18	1453	33	LH	W118	750	8.5	98		9/29/2018



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Seam Number	Date	Time	Seam Length (FT)	Seamer Initials	Machine Number	Wedge / Barrel	Speed / Preheat	Trial Seam No.	Comments	Non Destructive Testing Completion Date
167-168	09/28/18	1459	36.5	LH	W118	750	8.5	98		9/29/2018
168-170	09/28/18	1514	17.5	JH	W120	750	8.5	96		9/29/2018
170-171	09/28/18	1516	20.5	JH	W120	750	8.5	96		9/29/2018
171-172	09/28/18	1524	20.5	JH	W120	750	8.5	96		9/29/2018
172-173	09/28/18	1514	28.5	LH	W118	750	8.5	98		9/29/2018
173-174	09/28/18	1530	32	JH	W120	750	8.5	96		9/29/2018
174-175	09/28/18	1527	36	JH	W120	750	8.5	96		9/29/2018
175-176	09/28/18	1538	40	JH	W120	750	8.5	96		9/29/2018
176-177	09/28/18	1537	44.5	LH	W118	750	8.5	98		9/29/2018
135-136	09/28/18	1513	21	JM	W132	750	7.5	94		9/29/2018
135-139	09/28/18	1516	14	JM	W132	750	7.5	94		9/29/2018
137-139	09/28/18	1517	15	JM	W132	750	7.5	94		9/29/2018
137-140	09/28/18	1519	22.25	JM	W132	750	7.5	94		9/29/2018
140-143	09/28/18	1521	2.5	JM	W132	750	7.5	94		9/29/2018
141-143	09/28/18	1521	23	JM	W132	750	7.5	94		9/29/2018
142-143	09/28/18	1523	10	JM	W132	750	7.5	94		9/29/2018
143-145	09/28/18	1524	20.75	JM	W132	750	7.5	94		9/29/2018
145-146	09/28/18	1526	17	JM	W132	750	7.5	94		9/29/2018
146-147	09/28/18	1528	20.5	JM	W132	750	7.5	94		9/29/2018
146-148	09/28/18	1530	22.5	JM	W132	750	7.5	94		9/29/2018



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Seam Number	Date	Time	Seam Length (FT)	Seamer Initials	Machine Number	Wedge / Barrel	Speed / Preheat	Trial Seam No.	Comments	Non Destructive Testing Completion Date
146-149	09/28/18	1532	23	JM	W132	750	7.5	94		9/29/2018
146-150	09/28/18	1534	23	JM	W132	750	7.5	94		9/29/2018
146-151	09/28/18	1536	23.5	JM	W132	750	7.5	94		9/29/2018
146-152	09/28/18	1538	16	JM	W132	750	7.5	94		9/29/2018
146-153	09/28/18	1540	22.5	JM	W132	750	7.5	94		9/29/2018
146-154	09/28/18	1542	22.5	JM	W132	750	7.5	94		9/29/2018
154-155	09/28/18	1544	10.75	JM	W132	750	7.5	94		9/29/2018
155-156	09/28/18	1557	22.5	JM	W132	750	7.5	94		9/29/2018
155-157	09/28/18	1601	22.5	JM	W132	750	7.5	94		9/29/2018
155-158	09/28/18	1604	22.5	JM	W132	750	7.5	94		9/29/2018
155-159	09/28/18	1607	22.5	JM	W132	750	7.5	94		9/29/2018
155-160	09/28/18	1609	22.5	JM	W132	750	7.5	94		9/29/2018
155-161	09/28/18	1611	22.5	JM	W132	750	7.5	94		9/29/2018
155-162	09/28/18	1614	22.5	JM	W132	750	7.5	94		9/29/2018
162-163	09/28/18	1625	22.5	JM	W132	750	7.5	94		9/29/2018
163-164	09/28/18	1626	22.5	JH	W120	750	8.5	97		9/29/2018
163-165	09/28/18	1629	22.5	JH	W120	750	8.5	97		9/29/2018
163-166	09/28/18	1631	22.5	JH	W120	750	8.5	97		9/29/2018
163-167	09/28/18	1633	22.5	JH	W120	750	8.5	97		9/29/2018
163-168	09/28/18	1634	22.5	JH	W120	750	8.5	97		9/29/2018



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND
PROJECT NO.:	18009
MATERIAL TYPE:	40MIL HDPE MICROSPIKE
MATERIAL LAYER:	PRIMARY
QC NAME:	CHERYL HINA

Seam Number	Date	Time	Seam Length (FT)	Seamer Initials	Machine Number	Wedge / Barrel	Speed / Preheat	Trial Seam No.	Comments	Non Destructive Testing Completion Date
168-169	09/28/18	1636	22.5	JH	W120	750	8.5	97		9/29/2018
169-170	09/28/18	1612	22.5	LH	W118	750	8.5	99		9/29/2018
169-171	09/28/18	1613	22.5	LH	W118	750	8.5	99		9/29/2018
169-172	09/28/18	1615	22.5	LH	W118	750	8.5	99		9/29/2018
169-173	09/28/18	1616	22.5	LH	W118	750	8.5	99		9/29/2018
169-174	09/28/18	1619	22.5	LH	W118	750	8.5	99		9/29/2018
169-175	09/28/18	1620	22.5	LH	W118	750	8.5	99		9/29/2018
169-176	09/28/18	1622	22.5	LH	W118	750	8.5	99		9/29/2018
169-177	09/28/18	1624	22.5	LH	W118	750	8.5	99		9/29/2018
163-169	09/28/18	1437	183	JH	W120	750	8.5	96		9/29/2018
94-178	10/16/18	1012	41	LH	W118	700	6	103		10/16/18
178-179	10/16/18	1012	40	JH	W120	700	6.5	104		10/16/18
179-180	10/16/18	1024	39	JH	W120	700	6.5	104		10/16/18
180-181	10/16/18	1031	39	JH	W120	700	6.5	104		10/16/18
181-182	10/16/18	1040	39	JH	W120	700	6.5	104		10/16/18
182-183	10/16/18	1026	39	LH	W118	700	6	103		10/16/18
183-184	10/16/18	1035	40	LH	W118	700	6	103		10/16/18
184-185	10/16/18	1044	40	LH	W118	700	6	103		10/16/18
185-186	10/16/18	1055	40.5	LH	W118	700	6	103		10/16/18
186-187	10/16/18	1105	41	LH	W118	700	6	103		10/16/18

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 PANEL SEAMING FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND
PROJECT NO.:	18009
MATERIAL TYPE:	40MIL HDPE MICROSPIKE
MATERIAL LAYER:	PRIMARY
QC NAME:	CHERYL HINA

Seam Number	Date	Time	Seam Length (FT)	Seamer Initials	Machine Number	Wedge / Barrel	Speed / Preheat	Trial Seam No.	Comments	Non Destructive Testing Completion Date
187-188	10/16/18	1113	40	LH	W118	700	6	103		10/16/18
188-189	10/16/18	1100	39	JH	W120	700	6.5	104		10/16/18
189-190	10/16/18	1111	41	JH	W120	700	6.5	104		10/16/18
190-191	10/16/18	1134	60	JH	W120	700	7	105		10/16/18
191-192	10/16/18	1148	41	JH	W120	700	6.5	104		10/16/18
192-193	10/16/18	1129	38	LH	W118	700	6	103		10/16/18
193-194	10/16/18	1135	39	LH	W118	700	6	103		10/16/18
194-195	10/16/18	1145	39	LH	W118	700	6	103		10/16/18
195-196	10/16/18	1153	39	LH	W118	700	6	103		10/16/18
196-197	10/16/18	1202	41	LH	W118	700	6	103		10/16/18
197-198	10/16/18	1200	40	JH	W120	700	7	104		10/16/18
94-199	10/16/18	1355	19	JH	W120	700	7	105		10/16/18
89-199	10/16/18	1353	12	JH	W120	700	7	105		10/16/18
199-200	10/16/18	1300	54	LH	W118	750	6.5	108		10/16/18
200-201	10/16/18	1303	84	JH	W120	750	7	107		10/16/18
201-202	10/16/18	1312	115	LH	W118	750	6.5	108		10/16/18
202-203	10/16/18	1321	144	JH	W120	750	6.5	107		10/16/18
203-205	10/16/18	1327	105	RN	W132	750	7	110		10/16/18
205-206	10/16/18	1315	22.5	RN	W132	750	6.5	111		10/16/18
203-206	10/16/18	1305	45	RN	W132	750	7	110		10/16/18

PANEL SEAMING FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND
PROJECT NO.:	18009
MATERIAL TYPE:	40MIL HDPE MICROSPIKE
MATERIAL LAYER:	PRIMARY
QC NAME:	CHERYL HINA

Seam Number	Date	Time	Seam Length (FT)	Seamer Initials	Machine Number	Wedge / Barrel	Speed / Preheat	Trial Seam No.	Comments	Non Destructive Testing Completion Date
203-204	10/16/18	1340	20.5	JH	W120	750	6.5	106		10/16/18
204-206	10/16/18	1349	25	RN	W132	750	7	110		10/16/18
178-199	10/16/18	1429	23	LH	W118	750	7	109		10/16/18
179-199	10/16/18	1428	9	LH	W118	750	750	109		10/16/18
179-200	10/16/18	1426	14	LH	W118	750	750	109		10/16/18
180-200	10/16/18	1423	22.5	LH	W118	750	750	109		10/16/18
181-201	10/16/18	1421	22.5	LH	W118	750	750	109		10/16/18
182-201	10/16/18	1420	13.5	LH	W118	750	750	109		10/16/18
182-202	10/16/18	1419	9.25	LH	W118	750	750	109		10/16/18
183-202	10/16/18	1415	22.75	LH	W118	750	750	109		10/16/18
184-202	-	-	4	-	PATCH	-	-	-		-
184-203	-	-	1.75	-	PATCH	-	-	-		-
184-204	10/16/18	1413	17.25	LH	W118	750	750	109		10/16/18
185-204	10/16/18	1412	16.5	LH	W118	750	750	109		10/16/18
185-206	10/16/18	1411	6	LH	W118	750	750	109		10/16/18
186-206	10/16/18	1409	22.75	LH	W118	750	750	109		10/16/18
95-199	10/16/18	1416	22.5	RN	W132	750	6.5	111		10/16/18
96-200	10/16/18	1419	22.5	RN	W132	750	6.5	111		10/16/18
97-201	10/16/18	1434	22.5	RN	W132	750	6.5	111		10/16/18
98-202	10/16/18	1427	22.5	RN	W132	750	6.5	111		10/16/18

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PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND
PROJECT NO.:	18009
MATERIAL TYPE:	40MIL HDPE MICROSPIKE
MATERIAL LAYER:	PRIMARY
QC NAME:	CHERYL HINA

Seam Number	Date	Time	Seam Length (FT)	Seamer Initials	Machine Number	Wedge / Barrel	Speed / Preheat	Trial Seam No.	Comments	Non Destructive Testing Completion Date
99-203	10/16/18	1429	22.5	RN	W132	750	6.5	111		10/16/18
100-205	10/16/18	1431	22.5	RN	W132	750	6.5	111		10/16/18
205-207	10/17/18	0805	110.5	LH	W118	750	6	112		10/17/18
206-207	10/17/18	0816	95	LH	W118	750	6	112		10/17/18
207-208	10/17/18	0801	229	JH	W120	750	6	114		10/17/18
207-209	10/17/18	0841	5.5	JH	W120	750	6	114		10/17/18
208-209	10/17/18	0838	22.5	JH	W120	750	6	115		10/17/18
208-210	10/17/18	0846	145	JH	W120	750	6	114		10/17/18
208-211	10/17/18	0903	87	JH	W120	750	6	114		10/17/18
210-211	10/17/18	0841	22.5	LH	W118	750	6	113		10/17/18
209-211	10/17/18	0913	32	JH	W120	750	6	114		10/17/18
211-213	10/17/18	0936	11	LH	W118	750	6	112		10/17/18
211-212	10/17/18	0922	138	LH	W118	750	6	112		10/17/18
210-212	10/17/18	0902	148	LH	W118	750	6	112		10/17/18
212-214	10/17/18	0930	278	JH	W120	750	6	114		10/17/18
212-215	10/17/18	0929	12	JH	W120	750	6	114		10/17/18
213-215	10/17/18	0924	36	JH	W120	750	6	114		10/17/18
214-215	10/17/18	0853	22.5	LH	W118	750	6	113		10/17/18
212-213	10/17/18	0847	22.5	LH	W118	750	6	113		10/17/18
216-217	10/17/18	0953	22.5	LH	W118	750	6	113		10/17/18



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND
PROJECT NO.:	18009
MATERIAL TYPE:	40MIL HDPE MICROSPIKE
MATERIAL LAYER:	PRIMARY
QC NAME:	CHERYL HINA

Seam Number	Date	Time	Seam Length (FT)	Seamer Initials	Machine Number	Wedge / Barrel	Speed / Preheat	Trial Seam No.	Comments	Non Destructive Testing Completion Date
215-217	10/17/18	1046	4	JH	W120	750	6	114		10/17/18
215-216	10/17/18	1041	66	JH	W120	750	6	114		10/17/18
214-216	10/17/18	1008	281	JH	W120	750	6	114		10/17/18
216-218	10/17/18	1015	292	LH	W118	750	6	112		10/17/18
216-219	10/17/18	1008	60	LH	W118	750	6	112		10/17/18
217-219	10/17/18	1005	27	LH	W118	750	6	112		10/17/18
218-219	10/17/18	0943	22.5	LH	W118	750	6	113		10/17/18
220-221	10/17/18	1000	22.5	LH	W118	750	6	113		10/17/18
219-221	10/17/18	1148	11.5	LH	W118	750	6	112		10/17/18
219-220	10/17/18	1137	102	LH	W118	750	6	112		10/17/18
218-220	10/17/18	1108	296	LH	W118	750	6	112		10/17/18
220-226	10/17/18	1130	401	JH	W120	750	6	114		10/17/18
198-222	10/17/18	1052	40	JH	W120	750	6	114		10/17/18
222-223	10/17/18	1104	40	JH	W120	750	6	114		10/17/18
223-224	10/17/18	1111	39	JH	W120	750	6	114		10/17/18
225-226	10/17/18	1121	22.5	JH	W120	750	6	115		10/17/18
221-226	10/17/18	1127	30	JH	W120	750	6	114		10/17/18
221-225	10/17/18	1126	4	JH	W120	750	6	114		10/17/18
225-227	10/17/18	1305	33	LH	W118	750	6.5	117		10/17/18
226-227	10/17/18	1308	240	LH	W118	750	6.5	117		10/17/18

PANEL SEAMING FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND
PROJECT NO.:	18009
MATERIAL TYPE:	40MIL HDPE MICROSPIKE
MATERIAL LAYER:	PRIMARY
QC NAME:	CHERYL HINA

Seam Number	Date	Time	Seam Length (FT)	Seamer Initials	Machine Number	Wedge / Barrel	Speed / Preheat	Trial Seam No.	Comments	Non Destructive Testing Completion Date
226-228	10/17/18	1325	201	LH	W118	750	6.5	117		10/17/18
227-228	10/17/18	1258	22.5	JH	W120	750	6.5	116		10/17/18
187-206	10/17/18	1449	4	JH	W120	750	6.5	116		10/17/18
187-207	10/17/18	1447	16	JH	W120	750	6.5	116		10/17/18
188-207	10/17/18	1445	15	JH	W120	750	6.5	116		10/17/18
188-209	10/17/18	1444	4	JH	W120	750	6.5	116		10/17/18
189-209	10/17/18	1442	22.5	JH	W120	750	6.5	116		10/17/18
190-209	10/17/18	1441	7	JH	W120	750	6.5	116		10/17/18
190-211	10/17/18	1440	11	JH	W120	750	6.5	116		10/17/18
191-211	10/17/18	1437	22.5	JH	W120	750	6.5	116		10/17/18
101-207	10/17/18	1402	22.5	JH	W120	750	6.5	116		10/17/18
102-208	10/17/18	1356	22.5	JH	W120	750	6.5	116		10/17/18
103-210	10/17/18	1354	22.5	JH	W120	750	6.5	116		10/17/18
104-212	10/17/18	1350	22.5	JH	W120	750	6.5	116		10/17/18
104-214	-	-	0.5	-	PATCH	-	-	-		-
105-214	10/17/18	1348	22	JH	W120	750	6.5	116		10/17/18
105-216	-	-	0.5	-	PATCH	-	-	-		-
106-216	10/17/18	1345	22	JH	W120	750	6.5	116		10/17/18
106-218	-	-	0.5	-	PATCH	-	-	-		-
107-218	10/17/18	1335	22	JH	W120	750	6.5	116		10/17/18



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND
PROJECT NO.:	18009
MATERIAL TYPE:	40MIL HDPE MICROSPIKE
MATERIAL LAYER:	PRIMARY
QC NAME:	CHERYL HINA

Seam Number	Date	Time	Seam Length (FT)	Seamer Initials	Machine Number	Wedge / Barrel	Speed / Preheat	Trial Seam No.	Comments	Non Destructive Testing Completion Date
107-220	-	-	0.5	-	PATCH	-	-	-		-
108-220	10/17/18	1338	21.5	JH	W120	750	6.5	116		10/17/18
108-226	-	-	1	-	PATCH	-	-	-	N TO S	-
108-226	-	-	5	-	PATCH	-	-	-	E TO W	-
109-226	10/17/18	1343	21.5	JH	W120	750	6.5	116		10/17/18
109-228	-	-	1	-	PATCH	-	-	-		-
110-228	10/17/18	1329	21.5	JH	W120	750	6.5	116		10/17/18
192-213	10/17/18	1435	22.5	LH	W118	750	6.5	118		10/17/18
193-213	10/17/18	1433	8	LH	W118	750	6.5	118		10/17/18
193-215	10/17/18	1432	11	LH	W118	750	6.5	118		10/17/18
194-215	10/17/18	1429	21.5	LH	W118	750	6.5	118		10/17/18
194-217	-	-	1	-	PATCH	-	-	-		-
195-217	10/17/18	1427	24	LH	W118	750	6.5	118		10/17/18
196-217	10/17/18	1426	7	LH	W118	750	6.5	118		10/17/18
196-219	10/17/18	1424	12	LH	W118	750	6.5	118		10/17/18
197-219	10/17/18	1422	22.5	LH	W118	750	6.5	118		10/17/18
198-221	10/17/18	1420	22.5	LH	W118	750	6.5	118		10/17/18
221-222	10/17/18	1419	9	LH	W118	750	6.5	118		10/17/18
222-225	10/17/18	1418	10	LH	W118	750	6.5	118		10/17/18
223-225	10/17/18	1417	13	LH	W118	750	6.5	118		10/17/18

PANEL SEAMING FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND
PROJECT NO.:	18009
MATERIAL TYPE:	40MIL HDPE MICROSPIKE
MATERIAL LAYER:	PRIMARY
QC NAME:	CHERYL HINA

Seam Number	Date	Time	Seam Length (FT)	Seamer Initials	Machine Number	Wedge / Barrel	Speed / Preheat	Trial Seam No.	Comments	Non Destructive Testing Completion Date
228-235	10/18/18	0855	200.5	JH	W120	800	5.5	119		10/18/18
227-235	10/18/18	0921	54.5	JH	W120	800	5.5	119		10/18/18
227-234	10/18/18	0927	238	JH	W120	800	5.5	119		10/18/18
234-235	10/18/18	0844	22.5	JH	W120	800	5.5	120		10/18/18
224-229	10/18/18	0825	39.5	LH	W118	850	5.5	121		10/18/18
229-230	10/18/18	0834	39	LH	W118	850	5.5	121		10/18/18
230-231	10/18/18	0844	40	LH	W118	850	5.5	121		10/18/18
231-232	10/18/18	0858	40	LH	W118	850	5.5	121		10/18/18
232-233	10/18/18	0910	40	LH	W118	850	5.5	121		10/18/18
238-239	10/18/18	0920	22.5	LH	W118	850	5.5	122		10/18/18
236-237	10/18/18	0923	22.5	LH	W118	850	5.5	121		10/18/18
234-237	10/18/18	0940	35	LH	W118	850	5.5	121		10/18/18
234-236	10/18/18	0944	221.5	LH	W118	850	5.5	121		10/18/18
235-236	10/18/18	1008	256	LH	W118	850	5.5	121		10/18/18
236-239	10/18/18	1004	480	JH	W120	800	5.5	119		10/18/18
237-239	10/18/18	1000	42	JH	W120	800	5.5	119		10/18/18
237-238	10/18/18	0957	8	JH	W120	800	5.5	119		10/18/18
238-241	10/18/18	1146	24	JH	W120	800	5.5	119		10/18/18
239-241	10/18/18	1110	387	JH	W120	800	5.5	119		10/18/18
239-240	10/18/18	1057	138	JH	W120	800	5.5	119		10/18/18

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 PANEL SEAMING FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND
PROJECT NO.:	18009
MATERIAL TYPE:	40MIL HDPE MICROSPIKE
MATERIAL LAYER:	PRIMARY
QC NAME:	CHERYL HINA

Seam Number	Date	Time	Seam Length (FT)	Seamer Initials	Machine Number	Wedge / Barrel	Speed / Preheat	Trial Seam No.	Comments	Non Destructive Testing Completion Date
240-242	10/18/18	1100	140	LH	W118	850	5.5	121		10/18/18
241-242	10/18/18	1113	162	LH	W118	850	5.5	121		10/18/18
241-243	10/18/18	1130	265	LH	W118	850	5.5	121		10/18/18
240-241	10/18/18	1035	22.5	LH	W118	850	5.5	122		10/18/18
242-243	10/18/18	1042	22.5	LH	W118	850	5.5	122		10/18/18
233-244	10/18/18	1306	39.5	LH	W118	750	7	125		10/18/18
243-244	10/18/18	1320	27	LH	W118	750	7	126		10/18/18
243-245	10/18/18	1530	309	LH	W118	750	7	125		10/18/18
242-245	10/18/18	1530	59	JH	W120	750	7.5	123		10/18/18
242-246	10/18/18	1551	246	JH	W120	750	7.5	123		10/18/18
245-246	10/18/18	1047	22.5	LH	W118	750	7	126		10/18/18
246-247	10/18/18	1430	249	LH	W118	750	7	125		10/18/18
245-247	10/18/18	1408	237	LH	W118	750	7	125		10/18/18
245-248	10/18/18	1345	139.5	LH	W118	750	7	125		10/18/18
248-249	10/18/18	1450	149	JH	W120	750	7.5	123		10/18/18
247-249	10/18/18	1414	436	JH	W120	750	7.5	123		10/18/18
247-248	10/18/18	1334	22.5	LH	W118	750	7	126		10/18/18
249-250	10/18/18	1330	22.5	RN	W132	850	6.5	128		10/18/18
247-250	10/18/18	1338	56	RN	W132	850	6.5	127		10/18/18
250-251	10/18/18	1440	65	RN	W132	850	6.5	127		10/18/18

PANEL SEAMING FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND
PROJECT NO.:	18009
MATERIAL TYPE:	40MIL HDPE MICROSPIKE
MATERIAL LAYER:	PRIMARY
QC NAME:	CHERYL HINA

Seam Number	Date	Time	Seam Length (FT)	Seamer Initials	Machine Number	Wedge / Barrel	Speed / Preheat	Trial Seam No.	Comments	Non Destructive Testing Completion Date
249-251	10/18/18	1445	589	RN	W132	850	6.5	127		10/18/18
251-252	10/18/18	1507	656	JH	W120	750	7.5	123		10/18/18
119-252	10/18/18	1625	32	JH	W120	750	5.5	123		10/18/18
121-252	10/18/18	-	34	-	PATCH	-	-	-	-	-
110-235	-	-	1	-	PATCH	-	-	-		-
111-235	10/18/18	1520	21.5	LH	W118	750	7	126		10/19/18
111-236	-	-	1	-	PATCH	-	-	-		-
112-236	10/18/18	1524	21.5	LH	W118	750	7	126		10/19/18
112-239	-	-	1	-	PATCH	-	-	-		-
113-239	10/18/18	1526	21.5	LH	W118	750	7	126		10/19/18
113-240	-	-	1	-	PATCH	-	-	-		-
114-240	10/18/18	1529	21.5	LH	W118	750	7	126		10/19/18
114-242	-	-	1	-	PATCH	-	-	-		-
115-242	10/18/18	1532	21.5	LH	W118	750	7	126		10/19/18
115-246	-	-	1	-	PATCH	-	-	-		-
116-246	10/18/18	1535	21.5	LH	W118	750	7	126		10/19/18
116-247	-	-	1	-	PATCH	-	-	-		-
117-247	10/18/18	1538	21.5	LH	W118	750	7	126		10/19/18
117-250	-	-	6	-	PATCH	-	-	-		-
118-250	10/18/18	1544	21.5	LH	W118	750	7	126		10/19/18



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND
PROJECT NO.:	18009
MATERIAL TYPE:	40MIL HDPE MICROSPIKE
MATERIAL LAYER:	PRIMARY
QC NAME:	CHERYL HINA

Seam Number	Date	Time	Seam Length (FT)	Seamer Initials	Machine Number	Wedge / Barrel	Speed / Preheat	Trial Seam No.	Comments	Non Destructive Testing Completion Date
118-251	-	-	0.5	-	PATCH	-	-	-		-
119-251	10/18/18	1548	22	LH	W118	750	7	126		10/19/18
120-252	10/18/18	1615	22.5	LH	W118	750	7	126		10/19/18
233-241	10/18/18	1618	26	RN	W132	850	6.5	128		10/19/18
232-238	10/18/18	1622	23	RN	W132	850	6.5	128		10/19/18
231-238	10/18/18	1621	4	RN	W132	850	6.5	128		10/19/18
231-237	10/18/18	1625	19	RN	W132	850	6.5	128		10/19/18
230-237	10/18/18	1628	9	RN	W132	850	6.5	128		10/19/18
230-234	10/18/18	1631	15	RN	W132	850	6.5	128		10/19/18
229-234	10/18/18	1632	13	RN	W132	850	6.5	128		10/19/18
227-229	10/18/18	1640	10	RN	W132	850	6.5	128		-
224-227	10/18/18	1641	23	RN	W132	850	6.5	128		10/19/18
252-253	10/19/18	0808	651	JH	W120	800	5.5	129		10/19/18
253-254	10/19/18	0806	650	LH	W118	800	5.5	130		10/19/18
254-255	10/19/18	0926	644	JH	W120	800	5.5	129		10/19/18
255-256	10/19/18	0934	635	LH	W118	800	5.5	130		10/19/18
256-257	10/19/18	1024	629	JH	W120	800	5.5	129		10/19/18
257-258	10/19/18	1052	620	LH	W118	800	5.5	130		10/19/18
258-259	10/19/18	1121	614	JH	W120	800	5.5	129		10/19/18
121-253	10/19/18	1300	21	LH	W118	800	6	131		10/19/18



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND
PROJECT NO.:	18009
MATERIAL TYPE:	40MIL HDPE MICROSPIKE
MATERIAL LAYER:	PRIMARY
QC NAME:	CHERYL HINA

Seam Number	Date	Time	Seam Length (FT)	Seamer Initials	Machine Number	Wedge / Barrel	Speed / Preheat	Trial Seam No.	Comments	Non Destructive Testing Completion Date
121-254	-	-	1	-	PATCH	-	-	-		-
122-254	10/19/18	1304	21.5	LH	W118	800	6	131		10/19/18
122-255	-	-	1	-	PATCH	-	-	-		-
123-255	10/19/18	1307	21.5	LH	W118	800	6	131		10/19/18
123-256	-	-	1	-	PATCH	-	-	-		-
124-256	10/19/18	1310	21.5	LH	W118	800	6	131		10/19/18
124-257	-	-	0.5	-	PATCH	-	-	-		-
125-257	10/19/18	1313	22	LH	W118	800	6	131		10/19/18
125-258	-	-	0.5	-	PATCH	-	-	-		-
126-258	10/19/18	1318	22	LH	W118	800	6	131		10/19/18
126-259	-	-	0.5	-	PATCH	-	-	-		-
127-259	10/19/18	1321	22	LH	W118	800	6	131		10/19/18
259-260	10/22/18	0845	609	LH	W118	750	6	132		10/22/18
260-261	10/22/18	0901	118	JH	W120	750	6	134		10/22/18
260-262	10/22/18	0915	486	JH	W120	750	6	134		10/22/18
261-262	10/22/18	0854	22.5	JH	W120	750	5.5	135		10/22/18
261-263	10/22/18	0923	120	BR	W133	800	5.5	136		10/22/18
262-263	10/22/18	0936	126	BR	W133	800	5.5	136		10/22/18
262-264	10/22/18	0951	350	BR	W133	800	5.5	136		10/22/18
263-264	10/22/18	0914	22.5	BR	W133	800	5	137		10/22/18

PANEL SEAMING FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND
PROJECT NO.:	18009
MATERIAL TYPE:	40MIL HDPE MICROSPIKE
MATERIAL LAYER:	PRIMARY
QC NAME:	CHERYL HINA

Seam Number	Date	Time	Seam Length (FT)	Seamer Initials	Machine Number	Wedge / Barrel	Speed / Preheat	Trial Seam No.	Comments	Non Destructive Testing Completion Date
263-265	10/22/18	1022	238	LH	W118	750	6	132		10/22/18
264-265	10/22/18	1046	149.5	LH	W118	750	6	132		10/22/18
264-266	10/22/18	1102	190	LH	W118	750	6	132		10/22/18
265-266	10/22/18	0957	22.5	LH	W118	750	5.5	133		10/22/18
265-268	10/22/18	1027	25	JH	W120	750	6	134		10/22/18
265-267	10/22/18	1035	360	JH	W120	750	6	134		10/22/18
266-267	10/22/18	1112	179.5	JH	W120	750	6	134		10/22/18
267-268	10/22/18	1025	22.5	JH	W120	750	5.5	135		10/22/18
268-269	10/22/18	1037	22	BR	W133	800	5.5	136		10/22/18
267-269	10/22/18	1044	529	BR	W133	800	5.5	136		10/22/18
269-270	10/22/18	1139	149	JH	W120	750	6	134		10/22/18
269-271	10/22/18	1153	393	JH	W120	750	6	134		10/22/18
270-271	10/22/18	1134	22.5	LH	W118	750	5.5	133		10/22/18
270-272	10/22/18	1139	143	LH	W118	750	6	132		10/22/18
271-272	10/22/18	1153	197	LH	W118	750	6	132		10/22/18
271-273	10/22/18	1149	186	BR	W133	800	5.5	136		10/22/18
272-273	10/22/18	1128	22.5	LH	W118	750	5.5	133		10/22/18
272-274	10/22/18	1309	340	BR	W133	700	8	138		10/22/18
273-274	10/22/18	1338	177	BR	W133	700	8	138		10/22/18
274-275	10/22/18	1319	502	JH	W120	750	8	142		10/22/18

Electronic Filing: Received, Clerk's Office 08/3/2023
 PANEL SEAMING FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND
PROJECT NO.:	18009
MATERIAL TYPE:	40MIL HDPE MICROSPIKE
MATERIAL LAYER:	PRIMARY
QC NAME:	CHERYL HINA

Seam Number	Date	Time	Seam Length (FT)	Seamer Initials	Machine Number	Wedge / Barrel	Speed / Preheat	Trial Seam No.	Comments	Non Destructive Testing Completion Date
275-276	10/22/18	1342	239	LH	W118	750	6.5	140		10/22/18
275-277	10/22/18	1334	249	LH	W118	750	6.5	140		10/22/18
276-277	10/22/18	1404	22.5	LH	W118	750	7	141		10/22/18
276-278	10/22/18	1404	233	BR	W133	700	8	138		10/22/18
277-278	10/22/18	1426	236	BR	W133	700	8	138		10/22/18
127-260	10/22/18	-	0.5	-	PATCH	-	-	-		-
128-260	10/22/18	1449	22	LH	W118	750	7	141		10/22/18
128-261	10/22/18	-	0.5	-	PATCH	-	-	-		-
129-261	10/22/18	1451	22.5	LH	W118	750	7	141		10/22/18
130-263	10/22/18	1454	22.5	LH	W118	750	7	141		10/22/18
131-263	10/22/18	-	9	-	PATCH	-	-	-		-
131-265	10/22/18	1501	22	LH	W118	750	7	141		10/22/18
131-268	10/22/18	-	0.5	-	PATCH	-	-	-		-
132-268	10/22/18	1505	22	LH	W118	750	7	141		10/22/18
132-269	10/22/18	-	0.5	-	PATCH	-	-	-		-
134-269	10/22/18	1508	22	LH	W118	750	7	141		10/22/18
134-270	10/22/18	-	0.5	-	PATCH	-	-	-		-
135-270	10/22/18	1510	22	LH	W118	750	7	141		10/22/18
137-270	-	-	3.5	-	PATCH	-	-	-		-
137-272	10/22/18	1514	22.5	LH	W118	750	7	141		10/22/18



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND
PROJECT NO.:	18009
MATERIAL TYPE:	40MIL HDPE MICROSPIKE
MATERIAL LAYER:	PRIMARY
QC NAME:	CHERYL HINA

Seam Number	Date	Time	Seam Length (FT)	Seamer Initials	Machine Number	Wedge / Barrel	Speed / Preheat	Trial Seam No.	Comments	Non Destructive Testing Completion Date
143-274	10/22/18	1518	22.5	LH	W118	750	7	141		10/22/18
146-274	-	-	5.5	-	PATCH	-	-	-		-
146-275	10/22/18	1522	22.5	LH	W118	750	7	141		10/22/18
155-276	10/22/18	1526	22.5	LH	W118	750	7	141		10/22/18
163-276	-	-	0.5	-	PATCH	-	-	-		-
163-278	10/22/18	1530	22.5	LH	W118	750	7	141		10/22/18
278-279	10/23/18	0844	450	BR	W133	750	6	144		10/23/18
279-288	10/23/18	0943	166	JH	W120	800	5.5	148		10/23/18
288-289	10/23/18	0936	22.5	LH	W118	800	6	147		10/23/18
279-289	10/23/18	1002	269	JH	W120	800	5.5	148		10/23/18
289-290	10/23/18	0955	242	LH	W118	800	6	146		10/23/18
288-290	10/23/18	0951	20	LH	W118	800	6	146		10/23/18
280-281	10/23/18	0854	48	JH	W120	800	5.5	148		10/23/18
281-282	10/23/18	0859	49	LH	W118	800	6	146		10/23/18
282-283	10/23/18	0909	49.5	LH	W118	800	6	146		10/23/18
283-284	10/23/18	0906	51	JH	W120	800	5.5	148		10/23/18
284-286	10/23/18	0924	12	LH	W118	800	6	146		10/23/18
284-285	10/23/18	0926	40.5	LH	W118	800	6	146		10/23/18
285-286	10/23/18	0918	22.5	JH	W120	800	5.5	149		10/23/18
286-287	10/23/18	0926	15	JH	W120	800	5.5	148		10/23/18

PANEL SEAMING FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND
PROJECT NO.:	18009
MATERIAL TYPE:	40MIL HDPE MICROSPIKE
MATERIAL LAYER:	PRIMARY
QC NAME:	CHERYL HINA

Seam Number	Date	Time	Seam Length (FT)	Seamer Initials	Machine Number	Wedge / Barrel	Speed / Preheat	Trial Seam No.	Comments	Non Destructive Testing Completion Date
285-287	10/23/18	0929	39	JH	W120	800	5.5	148		10/23/18
290-291	10/23/18	1000	230	BR	W133	750	6	144		10/23/18
291-294	10/23/18	1059	22.5	LH	W118	800	6	147		10/23/18
293-294	10/23/18	1039	8.5	LH	W118	800	6	147		10/23/18
291-293	10/23/18	1054	57	LH	W118	800	6	146		10/23/18
292-292	10/23/18	1028	16	LH	W118	800	6	147		10/23/18
291-292	10/23/18	1045	90	LH	W118	800	6	146		10/23/18
287-292	10/23/18	1136	10.5	BR	W133	750	7.5	150		10/23/18
287-291	10/23/18	1134	22.5	BR	W133	750	7.5	150		10/23/18
287-290	10/23/18	1132	22.5	BR	W133	750	7.5	150		10/23/18
287-288	10/23/18	1128	22.5	BR	W133	750	7.5	150		10/23/18
286-288	10/23/18	1126	22.5	BR	W133	750	7.5	150		10/23/18
284-288	10/23/18	1124	22.5	BR	W133	750	7.5	150		10/23/18
283-288	10/23/18	1121	22.5	BR	W133	750	7.5	150		10/23/18
282-288	10/23/18	1119	22.5	BR	W133	750	7.5	150		10/23/18
281-288	10/23/18	1118	22.5	BR	W133	750	7.5	150		10/23/18
280-288	10/23/18	1113	15.5	BR	W133	750	7.5	150		10/23/18
177-280	10/23/18	1100	44	BR	W133	750	7.5	150		10/23/18
169-279	10/23/18	1052	22.5	BR	W133	750	7.5	150		10/23/18
177-288	10/23/18	1055	22.5	BR	W133	750	7.5	150		10/23/18

PANEL SEAMING FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND
PROJECT NO.:	18009
MATERIAL TYPE:	40MIL HDPE MICROSPIKE
MATERIAL LAYER:	PRIMARY
QC NAME:	CHERYL HINA

Seam Number	Date	Time	Seam Length (FT)	Seamer Initials	Machine Number	Wedge / Barrel	Speed / Preheat	Trial Seam No.	Comments	Non Destructive Testing Completion Date

Electronic Filing: Received, Clerk's Office 08/3/2023
NON-DESTRUCTIVE TESTING FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH PO	Test Criteria	AIR TEST	Test Criteria	Vacuum Test
PROJECT NO.:	18009	Start Pressure	30 PSI	Vac. Time	10 SEC
MATERIAL TYPE:	40MIL HDPE MICROSPIKE	Test Time	5 MIN	Vac. Pres.	5 PSI
MATERIAL LAYER:	PRIMARY	Accept. Drop	2 PSI		
QC NAME:	CHERYL HINA				

Seam Number	Test Date	Tech Initials	Test Type (A or V)	Air Pressure Test		Time		Test Result (P or F)	Test Locations
				PSI Start	PSI Finish	Start	End		
1-2	08/17/18	PG	A	30	30	1045	1050	P	ENTIRE LENGTH OF SEAM
2-3	08/17/18	PG	A	30	30	1047	1052	P	ENTIRE LENGTH OF SEAM
3-4	08/17/18	PG	A	30	30	1050	1055	P	ENTIRE LENGTH OF SEAM
4-5	08/17/18	PG	A	30	30	1057	1102	P	ENTIRE LENGTH OF SEAM
5-6	08/17/18	PG	A	30	30	1059	1104	P	ENTIRE LENGTH OF SEAM
6-7	08/17/18	PG	A	30	30	1101	1106	P	ENTIRE LENGTH OF SEAM
7-8	08/17/18	PG	A	30	30	1112	1117	P	ENTIRE LENGTH OF SEAM
8-9	08/17/18	PG	A	30	30	1111	1116	P	ENTIRE LENGTH OF SEAM
8-10	08/17/18	PG	A	30	30	1109	1114	P	ENTIRE LENGTH OF SEAM
9-10	08/17/18	PG	A	30	30	1110	1115	P	ENTIRE LENGTH OF SEAM
10-11	08/17/18	PG	A	30	30	1118	1123	P	ENTIRE LENGTH OF SEAM
11-12	08/17/18	PG	A	30	30	1120	1125	P	ENTIRE LENGTH OF SEAM
12-13	08/17/18	PG	A	30	30	1123	1128	P	ENTIRE LENGTH OF SEAM
13-14	08/17/18	PG	A	30	30	1128	1130	P	ENTIRE LENGTH OF SEAM
14-15	08/17/18	PG	A	30	30	1131	1136	P	ENTIRE LENGTH OF SEAM
13-15	08/17/18	PG	A	30	30	1129	1134	P	ENTIRE LENGTH OF SEAM
15-16	08/17/18	PG	A	30	30	1135	1140	P	ENTIRE LENGTH OF SEAM
16-17	08/17/18	PG	A	30	30	1138	1143	P	ENTIRE LENGTH OF SEAM
17-18	08/17/18	PG	A	30	30	1150	1155	P	ENTIRE LENGTH OF SEAM

Electronic Filing: Received, Clerk's Office 08/3/2023
NON-DESTRUCTIVE TESTING FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH PO	Test Criteria	AIR TEST	Test Criteria	Vacuum Test
PROJECT NO.:	18009	Start Pressure	30 PSI	Vac. Time	10 SEC
MATERIAL TYPE:	40MIL HDPE MICROSPIKE	Test Time	5 MIN	Vac. Pres.	5 PSI
MATERIAL LAYER:	PRIMARY	Accept. Drop	2 PSI		
QC NAME:	CHERYL HINA				

Seam Number	Test Date	Tech Initials	Test Type (A or V)	Air Pressure Test		Time		Test Result (P or F)	Test Locations
				PSI Start	PSI Finish	Start	End		
18-19	08/17/18	PG	A	30	30	1241	1246	P	ENTIRE LENGTH OF SEAM
19-20	08/17/18	PG	A	30	30	1242	1247	P	ENTIRE LENGTH OF SEAM
18-20	08/17/18	PG	A	30	30	1245	1250	P	ENTIRE LENGTH OF SEAM
20-21	08/17/18	PG	A	30	30	1248	1253	P	ENTIRE LENGTH OF SEAM
21-22	08/17/18	PG	A	30	30	1249	1254	P	ENTIRE LENGTH OF SEAM
22-23	08/17/18	PG	A	30	30	1252	1257	P	ENTIRE LENGTH OF SEAM
23-24	08/17/18	PG	A	30	30	1254	1259	P	ENTIRE LENGTH OF SEAM
24-25	08/17/18	PG	A	30	30	1306	1311	P	ENTIRE LENGTH OF SEAM
25-26	08/17/18	PG	A	30	30	1305	1310	P	ENTIRE LENGTH OF SEAM
24-26	08/17/18	PG	A	30	30	1304	1309	P	ENTIRE LENGTH OF SEAM
26-27	08/17/18	PG	A	30	30	1310	1315	P	ENTIRE LENGTH OF SEAM
27-28	08/17/18	PG	A	30	30	1314	1319	P	ENTIRE LENGTH OF SEAM
29-30	08/17/18	PG	A	30	30	1327	1332	P	ENTIRE LENGTH OF SEAM
29-31	08/17/18	PG	A	30	30	1346	1351	P	SEOS TO 40'
29-31	08/17/18	PG	A	30	30	1352	1357	P	40' TO NEOS
30-31	08/17/18	PG	A	30	30	1328	1333	P	ENTIRE LENGTH OF SEAM
30-32	08/17/18	PG	A	30	30	1330	1335	P	ENTIRE LENGTH OF SEAM
31-32	08/17/18	PG	A	30	30	1331	1336	P	ENTIRE LENGTH OF SEAM
32-33	08/17/18	PG	A	30	30	1334	1339	P	ENTIRE LENGTH OF SEAM

Electronic Filing: Received, Clerk's Office 08/3/2023
NON-DESTRUCTIVE TESTING FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH PO	Test Criteria	AIR TEST	Test Criteria	Vacuum Test
PROJECT NO.:	18009	Start Pressure	30 PSI	Vac. Time	10 SEC
MATERIAL TYPE:	40MIL HDPE MICROSPIKE	Test Time	5 MIN	Vac. Pres.	5 PSI
MATERIAL LAYER:	PRIMARY	Accept. Drop	2 PSI		
QC NAME:	CHERYL HINA				

Seam Number	Test Date	Tech Initials	Test Type (A or V)	Air Pressure Test		Time		Test Result (P or F)	Test Locations
				PSI Start	PSI Finish	Start	End		
32-34	08/17/18	PG	A	30	30	1400	1405	P	ENTIRE LENGTH OF SEAM
33-34	08/17/18	PG	A	30	30	1413	1418	P	ENTIRE LENGTH OF SEAM
33-35	08/17/18	PG	A	30	30	1402	1407	P	ENTIRE LENGTH OF SEAM
33-36	08/17/18	PG	A	30	30	1414	1419	P	ENTIRE LENGTH OF SEAM
34-36	08/17/18	PG	A	30	30	1423	1428	P	ENTIRE LENGTH OF SEAM
35-37	08/17/18	PG	A	30	30	1404	1409	P	ENTIRE LENGTH OF SEAM
36-37	08/17/18	PG	A	30	30	1426	1431	P	ENTIRE LENGTH OF SEAM
37-38	08/17/18	PG	A	30	30	1438	1443	P	ENTIRE LENGTH OF SEAM
35-36	08/17/18	PG	A	30	30	1425	1430	P	ENTIRE LENGTH OF SEAM
28-39	08/17/18	PG	A	30	30	1444	1449	P	ENTIRE LENGTH OF SEAM
39-40	08/17/18	PG	A	30	30	1446	1451	P	ENTIRE LENGTH OF SEAM
40-41	08/17/18	PG	A	30	30	1450	1455	P	ENTIRE LENGTH OF SEAM
41-43	08/17/18	PG	A	30	30	1512	1517	P	SEOS TO 17'
41-43	08/17/18	PG	A	30	30	1507	1512	P	17' TO 26'
41-43	-	-	PATCH	-	-	-	-	-	26' TO NEOS
42-43	08/17/18	PG	A	30	30	1500	1505	P	ENTIRE LENGTH OF SEAM
1-29	08/17/18	PG	A	30	30	1528	1533	P	ENTIRE LENGTH OF SEAM
2-29	08/17/18	PG	A	30	30	1529	1534	P	ENTIRE LENGTH OF SEAM
3-29	-	-	PATCH	-	-	-	-	-	ENTIRE LENGTH OF SEAM

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NON-DESTRUCTIVE TESTING FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH PO	Test Criteria	AIR TEST	Test Criteria	Vacuum Test
PROJECT NO.:	18009	Start Pressure	30 PSI	Vac. Time	10 SEC
MATERIAL TYPE:	40MIL HDPE MICROSPIKE	Test Time	5 MIN	Vac. Pres.	5 PSI
MATERIAL LAYER:	PRIMARY	Accept. Drop	2 PSI		
QC NAME:	CHERYL HINA				

Seam Number	Test Date	Tech Initials	Test Type (A or V)	Air Pressure Test		Time		Test Result (P or F)	Test Locations
				PSI Start	PSI Finish	Start	End		
3-30	08/17/18	PG	A	30	30	1530	1535	P	ENTIRE LENGTH OF SEAM
4-30	08/17/18	PG	A	30	30	1532	1537	P	ENTIRE LENGTH OF SEAM
4-32	08/17/18	PG	A	30	30	1535	1540	P	ENTIRE LENGTH OF SEAM
5-32	08/17/18	PG	A	30	30	1536	1541	P	SEOS TO 9'
5-32	08/17/18	PG	A	30	30	1540	1545	P	9' TO NEOS
6-32	08/17/18	PG	A	30	30	1539	1544	P	ENTIRE LENGTH OF SEAM
6-33	08/17/18	PG	A	30	30	1547	1552	P	ENTIRE LENGTH OF SEAM
7-33	08/17/18	PG	A	30	30	1548	1553	P	ENTIRE LENGTH OF SEAM
7-35	08/17/18	PG	A	30	30	1551	1556	P	ENTIRE LENGTH OF SEAM
8-35	08/17/18	PG	A	30	30	1552	1557	P	ENTIRE LENGTH OF SEAM
10-35	08/17/18	PG	A	30	30	1555	1600	P	ENTIRE LENGTH OF SEAM
10-37	08/17/18	PG	A	30	30	1556	1601	P	ENTIRE LENGTH OF SEAM
11-37	08/17/18	PG	A	30	30	1602	1607	P	ENTIRE LENGTH OF SEAM
12-37	08/17/18	PG	A	30	30	1603	1608	P	ENTIRE LENGTH OF SEAM
12-38	08/17/18	PG	A	30	30	1604	1609	P	ENTIRE LENGTH OF SEAM
13-38	08/17/18	PG	A	30	30	1605	1610	P	ENTIRE LENGTH OF SEAM
15-38	08/17/18	PG	A	30	30	1606	1611	P	ENTIRE LENGTH OF SEAM
16-38	08/17/18	PG	A	30	30	1607	1612	P	SEOS TO 7'
16-38	08/18/18	PG	A	30	30	712	717	P	7' TO NEOS

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NON-DESTRUCTIVE TESTING FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH PO	Test Criteria	AIR TEST	Test Criteria	Vacuum Test
PROJECT NO.:	18009	Start Pressure	30 PSI	Vac. Time	10 SEC
MATERIAL TYPE:	40MIL HDPE MICROSPIKE	Test Time	5 MIN	Vac. Pres.	5 PSI
MATERIAL LAYER:	PRIMARY	Accept. Drop	2 PSI		
QC NAME:	CHERYL HINA				

Seam Number	Test Date	Tech Initials	Test Type (A or V)	Air Pressure Test		Time		Test Result (P or F)	Test Locations
				PSI Start	PSI Finish	Start	End		
17-38	-	-	PATCH	-	-	-	-	-	NEOS TO 9'
17-38	08/18/18	PG	A	30	30	713	718	P	9' TO SEOS
18-38	08/18/18	PG	A	30	30	714	719	P	ENTIRE LENGTH OF SEAM
20-38	08/18/18	PG	A	30	30	720	725	P	ENTIRE LENGTH OF SEAM
21-38	08/18/18	PG	A	30	30	721	726	P	ENTIRE LENGTH OF SEAM
22-38	08/18/18	PG	A	30	30	725	730	P	ENTIRE LENGTH OF SEAM
23-38	08/18/18	PG	A	30	30	726	731	P	ENTIRE LENGTH OF SEAM
23-37	08/18/18	PG	A	30	30	728	733	P	ENTIRE LENGTH OF SEAM
24-37	08/18/18	PG	A	30	30	729	734	P	ENTIRE LENGTH OF SEAM
26-37	08/18/18	PG	A	30	30	730	735	P	ENTIRE LENGTH OF SEAM
26-36	08/18/18	PG	A	30	30	735	740	P	ENTIRE LENGTH OF SEAM
27-36	08/18/18	PG	A	30	30	736	741	P	ENTIRE LENGTH OF SEAM
28-36	-	-	PATCH	-	-	-	-	-	ENTIRE LENGTH OF SEAM
28-34	08/18/18	PG	A	30	30	740	745	P	ENTIRE LENGTH OF SEAM
34-39	08/18/18	PG	A	30	30	744	749	P	ENTIRE LENGTH OF SEAM
32-39	08/18/18	PG	A	30	30	745	750	P	ENTIRE LENGTH OF SEAM
32-40	08/18/18	PG	A	30	30	747	752	P	ENTIRE LENGTH OF SEAM
31-40	08/18/18	PG	A	30	30	748	753	P	ENTIRE LENGTH OF SEAM
31-41	08/18/18	PG	A	30	30	752	757	P	ENTIRE LENGTH OF SEAM

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NON-DESTRUCTIVE TESTING FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH PO	Test Criteria	AIR TEST	Test Criteria	Vacuum Test
PROJECT NO.:	18009	Start Pressure	30 PSI	Vac. Time	10 SEC
MATERIAL TYPE:	40MIL HDPE MICROSPIKE	Test Time	5 MIN	Vac. Pres.	5 PSI
MATERIAL LAYER:	PRIMARY	Accept. Drop	2 PSI		
QC NAME:	CHERYL HINA				

Seam Number	Test Date	Tech Initials	Test Type (A or V)	Air Pressure Test		Time		Test Result (P or F)	Test Locations
				PSI Start	PSI Finish	Start	End		
29-41	08/18/18	PG	A	30	30	804	809	P	ENTIRE LENGTH OF SEAM
29-42	08/18/18	PG	A	30	30	805	810	P	ENTIRE LENGTH OF SEAM
44-47	08/22/18	PG	A	30	30	1058	1103	P	ENTIRE LENGTH OF SEAM
29-48	08/22/18	PG	A	30	30	1137	1142	P	ENTIRE LENGTH OF SEAM
42-48	-	-	PATCH	-	-	-	-	-	NEOS TO 12'
42-48	08/22/18	PG	A	30	30	1313	1318	P	12' TO SEOS
45-46	08/22/18	PG	A	30	30	1102	1107	P	ENTIRE LENGTH OF SEAM
45-47	08/22/18	PG	A	30	30	1057	1102	P	ENTIRE LENGTH OF SEAM
44-45	08/22/18	PG	A	30	30	1056	1101	P	ENTIRE LENGTH OF SEAM
48-49	08/22/18	PG	A	30	30	1317	1322	P	NEOS TO 22'
48-49	08/22/18	PG	A	30	30	1150	1155	P	22' TO SEOS
49-51	08/22/18	PG	A	30	30	1152	1157	P	ENTIRE LENGTH OF SEAM
49-50	08/22/18	PG	A	30	30	1305	1310	P	ENTIRE LENGTH OF SEAM
50-51	08/22/18	PG	A	30	30	1308	1313	P	ENTIRE LENGTH OF SEAM
50-52	08/22/18	PG	A	30	30	1307	1312	P	ENTIRE LENGTH OF SEAM
51-52	08/22/18	PG	A	30	30	1325	1330	P	ENTIRE LENGTH OF SEAM
51-53	08/22/18	PG	A	30	30	1331	1336	P	ENTIRE LENGTH OF SEAM
52-53	08/22/18	PG	A	30	30	1329	1334	P	ENTIRE LENGTH OF SEAM
52-56	08/22/18	PG	A	30	30	1443	1448	P	ENTIRE LENGTH OF SEAM

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NON-DESTRUCTIVE TESTING FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH PO	Test Criteria	AIR TEST	Test Criteria	Vacuum Test
PROJECT NO.:	18009	Start Pressure	30 PSI	Vac. Time	10 SEC
MATERIAL TYPE:	40MIL HDPE MICROSPIKE	Test Time	5 MIN	Vac. Pres.	5 PSI
MATERIAL LAYER:	PRIMARY	Accept. Drop	2 PSI		
QC NAME:	CHERYL HINA				

Seam Number	Test Date	Tech Initials	Test Type (A or V)	Air Pressure Test		Time		Test Result (P or F)	Test Locations
				PSI Start	PSI Finish	Start	End		
53-56	08/22/18	PG	A	30	30	1346	1351	P	ENTIRE LENGTH OF SEAM
53-57	08/22/18	PG	A	30	30	1350	1355	P	NEOS TO 23'
53-57	08/22/18	PG	A	30	30	1353	1358	P	23' TO SEOS
56-57	08/22/18	PG	A	30	30	1355	1400	P	ENTIRE LENGTH OF SEAM
56-61	08/22/18	PG	A	30	30	1445	1450	P	ENTIRE LENGTH OF SEAM
61-62	08/22/18	PG	A	30	30	1403	1408	P	ENTIRE LENGTH OF SEAM
57-61	08/22/18	PG	A	30	30	1401	1406	P	ENTIRE LENGTH OF SEAM
57-62	08/22/18	PG	A	30	30	1358	1403	P	ENTIRE LENGTH OF SEAM
62-63	-	-	CAP	-	-	1359	1404	-	ENTIRE LENGTH OF SEAM
61-63	-	-	CAP	-	-	1452	1457	-	SEOS TO 379'
61-63	08/22/18	PG	A	30	30	1603	1608	P	379' TO NEOS
63-65	08/22/18	PG	A	30	30	1503	1508	P	ENTIRE LENGTH OF SEAM
46-54	08/22/18	PG	A	30	30	1106	1111	P	ENTIRE LENGTH OF SEAM
54-55	08/22/18	PG	A	30	30	1108	1113	P	ENTIRE LENGTH OF SEAM
55-58	08/22/18	PG	A	30	30	1514	1519	P	ENTIRE LENGTH OF SEAM
58-59	08/22/18	PG	A	30	30	1518	1523	P	ENTIRE LENGTH OF SEAM
59-60	08/22/18	PG	A	30	30	1520	1525	P	ENTIRE LENGTH OF SEAM
60-64	08/22/18	PG	A	30	30	1525	1530	P	NEOS TO 6'
60-64	08/22/18	PG	A	30	30	1526	1531	P	6' TO SEOS

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NON-DESTRUCTIVE TESTING FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH PO	Test Criteria	AIR TEST	Test Criteria	Vacuum Test
PROJECT NO.:	18009	Start Pressure	30 PSI	Vac. Time	10 SEC
MATERIAL TYPE:	40MIL HDPE MICROSPIKE	Test Time	5 MIN	Vac. Pres.	5 PSI
MATERIAL LAYER:	PRIMARY	Accept. Drop	2 PSI		
QC NAME:	CHERYL HINA				

Seam Number	Test Date	Tech Initials	Test Type (A or V)	Air Pressure Test		Time		Test Result (P or F)	Test Locations
				PSI Start	PSI Finish	Start	End		
64-66	08/23/18	PG	A	30	30	736	741	P	ENTIRE LENGTH OF SEAM
66-67	08/23/18	PG	A	30	30	745	750	P	ENTIRE LENGTH OF SEAM
67-68	08/23/18	PG	A	30	30	749	754	P	ENTIRE LENGTH OF SEAM
65-69	08/22/18	PG	A	30	30	1506	1511	P	ENTIRE LENGTH OF SEAM
69-70	08/22/18	PG	A	30	30	1530	1535	P	SEOS TO 5'
69-70	08/22/18	PG	A	30	30	1533	1538	P	5' TO NEOS
69-71	08/22/18	PG	A	30	30	1600	1605	P	SEOS TO 374'
69-71	08/22/18	PG	A	30	30	1543	1548	P	374' TO 477'
69-71	08/22/18	PG	A	30	30	1540	1545	P	477' TO NEOS
70-71	08/22/18	PG	A	30	30	1537	1542	P	ENTIRE LENGTH OF SEAM
70-73	08/22/18	PG	A	30	30	1536	1541	P	ENTIRE LENGTH OF SEAM
71-73	08/22/18	PG	A	30	30	1612	1617	P	ENTIRE LENGTH OF SEAM
71-74	08/22/18	PG	A	30	30	1624	1629	P	ENTIRE LENGTH OF SEAM
73-74	08/22/18	PG	A	30	30	1618	1623	P	ENTIRE LENGTH OF SEAM
73-76	08/22/18	PG	A	30	30	1615	1620	P	ENTIRE LENGTH OF SEAM
74-76	08/22/18	PG	A	30	30	1629	1634	P	ENTIRE LENGTH OF SEAM
74-77	08/23/18	PG	A	30	30	825	830	P	ENTIRE LENGTH OF SEAM
76-77	08/22/18	PG	A	30	30	1635	1640	P	ENTIRE LENGTH OF SEAM
68-72	08/23/18	PG	A	30	30	810	815	P	ENTIRE LENGTH OF SEAM

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NON-DESTRUCTIVE TESTING FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH PO	Test Criteria	AIR TEST	Test Criteria	Vacuum Test
PROJECT NO.:	18009	Start Pressure	30 PSI	Vac. Time	10 SEC
MATERIAL TYPE:	40MIL HDPE MICROSPIKE	Test Time	5 MIN	Vac. Pres.	5 PSI
MATERIAL LAYER:	PRIMARY	Accept. Drop	2 PSI		
QC NAME:	CHERYL HINA				

Seam Number	Test Date	Tech Initials	Test Type (A or V)	Air Pressure Test		Time		Test Result (P or F)	Test Locations
				PSI Start	PSI Finish	Start	End		
72-75	08/23/18	PG	A	30	30	807	812	P	ENTIRE LENGTH OF SEAM
1-48	08/22/18	PG	A	30	30	1644	1649	P	ENTIRE LENGTH OF SEAM
47-48	08/22/18	PG	A	30	30	1643	1648	P	ENTIRE LENGTH OF SEAM
45-48	08/22/18	PG	A	30	30	1645	1650	P	ENTIRE LENGTH OF SEAM
45-49	08/22/18	PG	A	30	30	1646	1651	P	ENTIRE LENGTH OF SEAM
46-49	08/22/18	PG	A	30	30	1650	1655	P	ENTIRE LENGTH OF SEAM
46-51	08/22/18	PG	A	30	30	1651	1656	P	ENTIRE LENGTH OF SEAM
51-54	08/22/18	PG	A	30	30	1652	1657	P	ENTIRE LENGTH OF SEAM
53-54	08/22/18	PG	A	30	30	1654	1659	P	ENTIRE LENGTH OF SEAM
53-55	08/22/18	PG	A	30	30	713	718	P	ENTIRE LENGTH OF SEAM
55-57	08/22/18	PG	A	30	30	714	719	P	ENTIRE LENGTH OF SEAM
57-58	08/22/18	PG	A	30	30	715	720	P	ENTIRE LENGTH OF SEAM
58-62	08/22/18	PG	A	30	30	724	729	P	ENTIRE LENGTH OF SEAM
59-62	08/22/18	PG	A	30	30	725	730	P	ENTIRE LENGTH OF SEAM
59-63	08/22/18	PG	A	30	30	726	731	P	ENTIRE LENGTH OF SEAM
60-63	08/22/18	PG	A	30	30	727	732	P	ENTIRE LENGTH OF SEAM
64-65	08/22/18	PG	A	30	30	737	742	P	ENTIRE LENGTH OF SEAM
65-66	08/22/18	PG	A	30	30	738	743	P	ENTIRE LENGTH OF SEAM
66-69	08/22/18	PG	A	30	30	739	744	P	ENTIRE LENGTH OF SEAM

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NON-DESTRUCTIVE TESTING FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH PO	Test Criteria	AIR TEST	Test Criteria	Vacuum Test
PROJECT NO.:	18009	Start Pressure	30 PSI	Vac. Time	10 SEC
MATERIAL TYPE:	40MIL HDPE MICROSPIKE	Test Time	5 MIN	Vac. Pres.	5 PSI
MATERIAL LAYER:	PRIMARY	Accept. Drop	2 PSI		
QC NAME:	CHERYL HINA				

Seam Number	Test Date	Tech Initials	Test Type (A or V)	Air Pressure Test		Time		Test Result (P or F)	Test Locations
				PSI Start	PSI Finish	Start	End		
67-69	08/22/18	PG	A	30	30	747	752	P	ENTIRE LENGTH OF SEAM
67-70	08/22/18	PG	A	30	30	748	753	P	ENTIRE LENGTH OF SEAM
68-70	08/22/18	PG	A	30	30	754	759	P	ENTIRE LENGTH OF SEAM
68-73	08/22/18	PG	A	30	30	800	805	P	ENTIRE LENGTH OF SEAM
72-73	08/22/18	PG	A	30	30	802	807	P	ENTIRE LENGTH OF SEAM
72-76	08/22/18	PG	A	30	30	803	808	P	ENTIRE LENGTH OF SEAM
75-76	-	-	PATCH	-	-	-	-	-	WEOS TO 4'
75-76	08/22/18	PG	A	30	30	708	713	P	4' TO EEOS
1-44	08/22/18	PG	A	30	30	1055	1100	P	ENTIRE LENGTH OF SEAM
1-47	08/22/18	PG	A	30	30	1054	1059	P	ENTIRE LENGTH OF SEAM
62-78	08/23/18	PG	A	30	30	1450	1455	P	SEOS TO 23'
62-78	08/23/18	PG	A	30	30	1454	1459	P	23' TO NEOS
63-78	08/23/18	PG	A	30	30	1414	1419	P	ENTIRE LENGTH OF SEAM
61-78	08/23/18	PG	A	30	30	1457	1502	P	ENTIRE LENGTH OF SEAM
61-79	08/23/18	PG	A	30	30	1500	1505	P	ENTIRE LENGTH OF SEAM
63-79	08/23/18	PG	A	30	30	1430	1435	P	ENTIRE LENGTH OF SEAM
61-80	08/23/18	PG	A	30	30	1522	1527	P	ENTIRE LENGTH OF SEAM
63-80	08/23/18	PG	A	30	30	1513	1518	P	ENTIRE LENGTH OF SEAM
61-81	08/23/18	PG	A	30	30	1540	1545	P	ENTIRE LENGTH OF SEAM

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NON-DESTRUCTIVE TESTING FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH PO	Test Criteria	AIR TEST	Test Criteria	Vacuum Test
PROJECT NO.:	18009	Start Pressure	30 PSI	Vac. Time	10 SEC
MATERIAL TYPE:	40MIL HDPE MICROSPIKE	Test Time	5 MIN	Vac. Pres.	5 PSI
MATERIAL LAYER:	PRIMARY	Accept. Drop	2 PSI		
QC NAME:	CHERYL HINA				

Seam Number	Test Date	Tech Initials	Test Type (A or V)	Air Pressure Test		Time		Test Result (P or F)	Test Locations
				PSI Start	PSI Finish	Start	End		
63-81	08/23/18	PG	A	30	30	1533	1538	P	ENTIRE LENGTH OF SEAM
61-82	08/23/18	PG	A	30	30	1605	1610	P	SEOS TO 24'
61-82	08/23/18	PG	A	30	30	1607	1612	P	24' TO 40'
61-82	08/23/18	PG	A	30	30	1608	1613	P	40' TO NEOS
63-82	08/23/18	PG	A	30	30	1554	1559	P	ENTIRE LENGTH OF SEAM
77-83	09/04/18	PG	A	30	30	1645	1650	P	ENTIRE LENGTH OF SEAM
77-84	09/04/18	PG	A	30	30	1510	1515	P	ENTIRE LENGTH OF SEAM
76-84	09/04/18	PG	A	30	30	1511	1516	P	ENTIRE LENGTH OF SEAM
83-84	09/04/18	PG	A	30	30	1642	1647	P	ENTIRE LENGTH OF SEAM
84-85	09/04/18	PG	A	30	30	1515	1520	P	SEOS TO 494'
84-85	09/04/18	PG	A	30	30	1640	1645	P	494' TO NEOS
83-85	09/04/18	PG	A	30	30	1641	1646	P	ENTIRE LENGTH OF SEAM
85-86	-	-	PATCH	-	-	-	-	-	NEOS TO 11'
85-86	09/04/18	PG	A	30	30	1649	1654	P	11' TO 23'
85-86	09/04/18	PG	A	30	30	1648	1653	P	23' TO 41'
85-86	09/04/18	PG	A	30	30	1633	1638	P	41' TO 505'
85-86	09/04/18	PG	A	30	30	1627	1632	P	505' TO 556'
85-86	09/04/18	PG	A	30	30	1606	1611	P	556' TO 662'
85-86	09/04/18	PG	A	30	30	1605	1610	P	662' TO 678'

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NON-DESTRUCTIVE TESTING FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH PO	Test Criteria	AIR TEST	Test Criteria	Vacuum Test
PROJECT NO.:	18009	Start Pressure	30 PSI	Vac. Time	10 SEC
MATERIAL TYPE:	40MIL HDPE MICROSPIKE	Test Time	5 MIN	Vac. Pres.	5 PSI
MATERIAL LAYER:	PRIMARY	Accept. Drop	2 PSI		
QC NAME:	CHERYL HINA				

Seam Number	Test Date	Tech Initials	Test Type (A or V)	Air Pressure Test		Time		Test Result (P or F)	Test Locations
				PSI Start	PSI Finish	Start	End		
85-86	09/04/18	PG	A	30	30	1548	1553	P	678' TO SEOS
86-88	-	-	PATCH	-	-	-	-	-	SEOS TO 25'
86-88	09/04/18	PG	A	30	30	1630	1635	P	25' TO 37'
86-88	09/04/18	PG	A	30	30	1610	1615	P	37' TO NEOS
88-89	09/04/18	PG	A	30	30	1618	1623	P	NEOS TO 709'
88-89	09/04/18	PG	A	30	30	1528	1533	P	709' TO SEOS
75-87	09/04/18	PG	A	30	30	1556	1601	P	ENTIRE LENGTH OF SEAM
87-90	09/04/18	PG	A	30	30	1552	1557	P	NEOS TO 17'
87-90	09/04/18	PG	A	30	30	1553	1558	P	17' TO SEOS
90-91	09/04/18	PG	A	30	30	1545	1550	P	ENTIRE LENGTH OF SEAM
91-92	09/04/18	PG	A	30	30	1541	1546	P	ENTIRE LENGTH OF SEAM
92-93	09/04/18	PG	A	30	30	1538	1543	P	ENTIRE LENGTH OF SEAM
93-94	09/04/18	PG	A	30	30	1536	1541	P	ENTIRE LENGTH OF SEAM
75-84	09/04/18	PG	A	30	30	1558	1603	P	ENTIRE LENGTH OF SEAM
84-87	09/04/18	PG	A	30	30	1555	1600	P	ENTIRE LENGTH OF SEAM
85-87	-	-	PATCH	-	-	-	-	-	ENTIRE LENGTH OF SEAM
85-90	09/04/18	PG	A	30	30	1549	1554	P	ENTIRE LENGTH OF SEAM
86-91	09/04/18	PG	A	30	30	1548	1553	P	ENTIRE LENGTH OF SEAM
86-92	-	-	PATCH	-	-	-	-	-	ENTIRE LENGTH OF SEAM

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NON-DESTRUCTIVE TESTING FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH PO	Test Criteria	AIR TEST	Test Criteria	Vacuum Test
PROJECT NO.:	18009	Start Pressure	30 PSI	Vac. Time	10 SEC
MATERIAL TYPE:	40MIL HDPE MICROSPIKE	Test Time	5 MIN	Vac. Pres.	5 PSI
MATERIAL LAYER:	PRIMARY	Accept. Drop	2 PSI		
QC NAME:	CHERYL HINA				

Seam Number	Test Date	Tech Initials	Test Type (A or V)	Air Pressure Test		Time		Test Result (P or F)	Test Locations
				PSI Start	PSI Finish	Start	End		
88-92	09/04/18	PG	A	30	30	1540	1545	P	ENTIRE LENGTH OF SEAM
88-93	-	-	PATCH	-	-	-	-	-	ENTIRE LENGTH OF SEAM
89-93	09/04/18	PG	A	30	30	1535	1540	P	ENTIRE LENGTH OF SEAM
89-95	09/04/18	PG	A	30	30	910	915	P	ENTIRE LENGTH OF SEAM
95-96	09/04/18	PG	A	30	30	917	922	P	SEOS TO 31'
95-96	09/04/18	PG	A	30	30	904	909	P	31' TO NEOS
96-97	09/04/18	PG	A	30	30	953	958	P	NEOS TO 550'
96-97	-	-	PATCH	-	-	-	-	-	550' TO 570'
96-97	09/04/18	PG	A	30	30	939	944	P	570' TO 577'
96-97	09/04/18	PG	A	30	30	935	940	P	577' TO 631'
96-97	-	-	PATCH	-	-	-	-	-	631' TO 643'
96-97	09/04/18	PG	A	30	30	928	933	P	643' TO 659'
96-97	-	-	PATCH	-	-	-	-	-	659' TO 670'
96-97	09/04/18	PG	A	30	30	924	929	P	670' TO SEOS
97-98	09/04/18	PG	A	30	30	1139	1144	P	SEOS TO 175'
97-98	09/04/18	PG	A	30	30	1031	1036	P	175' TO 728'
97-98	09/04/18	PG	A	30	30	956	1001	P	728' TO NEOS
98-99	09/04/18	PG	A	30	30	1020	1025	P	NEOS TO 127'
98-99	09/04/18	PG	A	30	30	1035	1040	P	127' TO 154'

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NON-DESTRUCTIVE TESTING FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH PO	Test Criteria	AIR TEST	Test Criteria	Vacuum Test
PROJECT NO.:	18009	Start Pressure	30 PSI	Vac. Time	10 SEC
MATERIAL TYPE:	40MIL HDPE MICROSPIKE	Test Time	5 MIN	Vac. Pres.	5 PSI
MATERIAL LAYER:	PRIMARY	Accept. Drop	2 PSI		
QC NAME:	CHERYL HINA				

Seam Number	Test Date	Tech Initials	Test Type (A or V)	Air Pressure Test		Time		Test Result (P or F)	Test Locations
				PSI Start	PSI Finish	Start	End		
98-99	09/04/18	PG	A	30	30	1044	1049	P	154' TO 234'
98-99	09/04/18	PG	A	30	30	1052	1057	P	234' TO 261'
98-99	09/04/18	PG	A	30	30	1054	1059	P	261' TO 314'
98-99	09/04/18	PG	A	30	30	1102	1107	P	314' TO 428'
98-99	09/04/18	PG	A	30	30	1103	1108	P	428' TO 470'
98-99	09/04/18	PG	A	30	30	1114	1119	P	470' TO 502'
98-99	-	-	PATCH	-	-	-	-	-	502' TO 511'
98-99	09/04/18	PG	A	30	30	1123	1128	P	511' TO SEOS
99-100	09/04/18	PG	A	30	30	1153	1158	P	SEOS TO 131'
99-100	09/04/18	PG	A	30	30	1151	1156	P	131' TO 155'
99-100	-	-	PATCH	-	-	-	-	-	155' TO 164'
99-100	09/04/18	PG	A	30	30	1149	1154	P	164' TO 185'
99-100	09/04/18	PG	A	30	30	1146	1151	P	185' TO 214'
99-100	09/04/18	PG	A	30	30	1145	1150	P	214' TO 230'
99-100	09/04/18	PG	A	30	30	1132	1137	P	230' TO 284'
99-100	-	-	PATCH	-	-	-	-	-	284' TO 294'
99-100	09/04/18	PG	A	30	30	1109	1114	P	294' TO 306'
99-100	09/04/18	PG	A	30	30	1110	1115	P	306' TO SEOS
100-101	09/04/18	PG	A	30	30	1255	1300	P	SEOS TO 164'

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NON-DESTRUCTIVE TESTING FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH PO	Test Criteria	AIR TEST	Test Criteria	Vacuum Test
PROJECT NO.:	18009	Start Pressure	30 PSI	Vac. Time	10 SEC
MATERIAL TYPE:	40MIL HDPE MICROSPIKE	Test Time	5 MIN	Vac. Pres.	5 PSI
MATERIAL LAYER:	PRIMARY	Accept. Drop	2 PSI		
QC NAME:	CHERYL HINA				

Seam Number	Test Date	Tech Initials	Test Type (A or V)	Air Pressure Test		Time		Test Result (P or F)	Test Locations
				PSI Start	PSI Finish	Start	End		
100-101	09/04/18	PG	A	30	30	1254	1259	P	164' TO 223'
100-101	09/04/18	PG	A	30	30	1253	1258	P	223' TO 264'
100-101	09/04/18	PG	A	30	30	1325	1330	P	264' TO 296'
100-101	09/04/18	PG	A	30	30	1328	1333	P	296' TO 452'
100-101	09/04/18	PG	A	30	30	1406	1411	P	452' TO NEOS
101-102	09/04/18	PG	A	30	30	1413	1418	P	NEOS TO 194'
101-102	09/04/18	PG	A	30	30	1412	1417	P	194' TO 211'
101-102	09/04/18	PG	A	30	30	1405	1410	P	211' TO 320'
101-102	09/04/18	PG	A	30	30	1354	1359	P	320' TO 344'
101-102	09/04/18	PG	A	30	30	1341	1346	P	344' TO 386'
101-102	09/04/18	PG	A	30	30	1338	1343	P	386' TO 446'
101-102	09/04/18	PG	A	30	30	1335	1340	P	446' TO 462'
101-102	09/04/18	PG	A	30	30	1311	1316	P	462' TO 488'
101-102	09/04/18	PG	A	30	30	1305	1310	P	488' TO 499'
101-102	09/04/18	PG	A	30	30	1301	1306	P	499' TO 592'
101-102	09/04/18	PG	A	30	30	1257	1302	P	592' TO SEOS
103-104	09/04/18	PG	A	30	30	1432	1437	P	SEOS TO 497'
103-104	09/04/18	PG	A	30	30	1424	1429	P	497' TO NEOS
102-103	09/04/18	PG	A	30	30	1426	1431	P	NEOS TO 514'

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NON-DESTRUCTIVE TESTING FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH PO	Test Criteria	AIR TEST	Test Criteria	Vacuum Test
PROJECT NO.:	18009	Start Pressure	30 PSI	Vac. Time	10 SEC
MATERIAL TYPE:	40MIL HDPE MICROSPIKE	Test Time	5 MIN	Vac. Pres.	5 PSI
MATERIAL LAYER:	PRIMARY	Accept. Drop	2 PSI		
QC NAME:	CHERYL HINA				

Seam Number	Test Date	Tech Initials	Test Type (A or V)	Air Pressure Test		Time		Test Result (P or F)	Test Locations
				PSI Start	PSI Finish	Start	End		
102-103	09/04/18	PG	A	30	30	1436	1441	P	514' TO 666'
102-103	09/04/18	PG	A	30	30	1442	1447	P	666' TO SEOS
104-105	09/14/18	PG	A	30	30	1302	1307	P	ENTIRE LENGTH OF SEAM
105-106	09/14/18	PG	A	30	30	1304	1309	P	ENTIRE LENGTH OF SEAM
106-107	09/14/18	PG	A	30	30	1305	1310	P	NEOS TO 380'
106-107	09/14/18	PG	A	30	30	1327	1332	P	380' TO SEOS
107-108	09/14/18	PG	A	30	30	1318	1323	P	NEOS TO 574'
107-108	09/14/18	PG	A	30	30	1336	1341	P	574' TO SEOS
108-109	09/14/18	PG	A	30	30	1340	1345	P	ENTIRE LENGTH OF SEAM
109-110	09/14/18	PG	A	30	30	1407	1412	P	SEOS TO 269'
109-110	09/14/18	PG	A	30	30	1420	1425	P	269' TO 600'
109-110	09/14/18	PG	A	30	30	1425	1430	P	600' TO 722'
109-110	-	-	PATCH	-	-	-	-	-	722' TO NEOS
110-111	-	-	PATCH	-	-	-	-	-	NEOS TO 17'
110-111	09/14/18	PG	A	30	30	1453	1458	P	17' TO 23'
110-111	-	-	PATCH	-	-	-	-	-	23' TO 28'
110-111	09/14/18	PG	A	30	30	1445	1450	P	28' TO SEOS
111-112	09/14/18	PG	A	30	30	1447	1452	P	ENTIRE LENGTH OF SEAM
112-113	09/14/18	PG	A	30	30	1450	1455	P	ENTIRE LENGTH OF SEAM

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NON-DESTRUCTIVE TESTING FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH PO	Test Criteria	AIR TEST	Test Criteria	Vacuum Test
PROJECT NO.:	18009	Start Pressure	30 PSI	Vac. Time	10 SEC
MATERIAL TYPE:	40MIL HDPE MICROSPIKE	Test Time	5 MIN	Vac. Pres.	5 PSI
MATERIAL LAYER:	PRIMARY	Accept. Drop	2 PSI		
QC NAME:	CHERYL HINA				

Seam Number	Test Date	Tech Initials	Test Type (A or V)	Air Pressure Test		Time		Test Result (P or F)	Test Locations
				PSI Start	PSI Finish	Start	End		
113-114	09/14/18	PG	A	30	30	1452	1457	P	ENTIRE LENGTH OF SEAM
114-115	09/14/18	PG	A	30	30	1456	1501	P	ENTIRE LENGTH OF SEAM
115-116	09/14/18	PG	A	30	30	1541	1546	P	SEOS TO 32'
115-116	09/14/18	PG	A	30	30	1522	1527	P	32' TO NEOS
116-117	09/14/18	PG	A	30	30	1524	1529	P	NEOS TO 167'
116-117	09/14/18	PG	A	30	30	1526	1531	P	167' TO 298'
116-117	09/14/18	PG	A	30	30	1533	1538	P	298' TO SEOS
117-118	09/17/18	PG	A	30	30	735	740	P	ENTIRE LENGTH OF SEAM
118-119	09/17/18	PG	A	30	30	732	737	P	NEOS TO 550'
118-119	09/17/18	PG	A	30	30	731	736	P	550' TO SEOS
119-120	09/17/18	PG	A	30	30	742	747	P	SEOS TO 487'
119-120	09/17/18	PG	A	30	30	743	748	P	487' TO NEOS
120-121	09/17/18	PG	A	30	30	750	755	P	NEOS TO 17'
120-121	09/17/18	PG	A	30	30	749	754	P	17' TO SEOS
121-122	09/17/18	PG	A	30	30	753	758	P	ENTIRE LENGTH OF SEAM
122-123	09/17/18	PG	A	30	30	801	806	P	ENTIRE LENGTH OF SEAM
123-124	09/17/18	PG	A	30	30	803	808	P	ENTIRE LENGTH OF SEAM
124-125	09/17/18	PG	A	30	30	806	811	P	ENTIRE LENGTH OF SEAM
125-126	09/17/18	PG	A	30	30	808	813	P	ENTIRE LENGTH OF SEAM

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NON-DESTRUCTIVE TESTING FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH PO	Test Criteria	AIR TEST	Test Criteria	Vacuum Test
PROJECT NO.:	18009	Start Pressure	30 PSI	Vac. Time	10 SEC
MATERIAL TYPE:	40MIL HDPE MICROSPIKE	Test Time	5 MIN	Vac. Pres.	5 PSI
MATERIAL LAYER:	PRIMARY	Accept. Drop	2 PSI		
QC NAME:	CHERYL HINA				

Seam Number	Test Date	Tech Initials	Test Type (A or V)	Air Pressure Test		Time		Test Result (P or F)	Test Locations
				PSI Start	PSI Finish	Start	End		
126-127	09/17/18	PG	A	30	30	812	817	P	ENTIRE LENGTH OF SEAM
127-128	09/24/18	PG	A	30	30	1545	1550	P	NEOS TO 157'
127-128	09/24/18	PG	A	30	30	1445	1450	P	157' TO 361'
127-128	09/24/18	PG	A	30	30	1500	1505	P	361' TO 400'
127-128	09/24/18	PG	A	30	30	1504	1509	P	40' TO 433'
127-128	09/24/18	PG	A	30	30	1508	1513	P	433' TO 500'
127-128	09/24/18	PG	A	30	30	1515	1520	P	500' TO SEOS
128-129	09/24/18	PG	A	30	30	1345	1350	P	ENTIRE LENGTH OF SEAM
129-130	09/24/18	PG	A	30	30	1347	1352	P	ENTIRE LENGTH OF SEAM
130-131	09/24/18	PG	A	30	30	1553	1558	P	ENTIRE LENGTH OF SEAM
131-132	09/24/18	PG	A	30	30	1605	1610	P	ENTIRE LENGTH OF SEAM
132-133	09/24/18	PG	A	30	30	1610	1615	P	ENTIRE LENGTH OF SEAM
132-134	09/29/18	LH	A	30	30	1143	1148	P	ENTIRE LENGTH OF SEAM
133-134	09/29/18	LH	A	30	30	1141	1146	P	ENTIRE LENGTH OF SEAM
133-135	09/29/18	LH	A	30	30	744	749	P	ENTIRE LENGTH OF SEAM
134-135	09/29/18	LH	A	30	30	1140	1145	P	ENTIRE LENGTH OF SEAM
135-137	09/29/18	LH	A	30	30	743	748	P	ENTIRE LENGTH OF SEAM
137-143	09/29/18	LH	A	30	30	803	808	P	ENTIRE LENGTH OF SEAM
143-146	09/29/18	LH	A	30	30	828	833	P	ENTIRE LENGTH OF SEAM

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NON-DESTRUCTIVE TESTING FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH PO	Test Criteria	AIR TEST	Test Criteria	Vacuum Test
PROJECT NO.:	18009	Start Pressure	30 PSI	Vac. Time	10 SEC
MATERIAL TYPE:	40MIL HDPE MICROSPIKE	Test Time	5 MIN	Vac. Pres.	5 PSI
MATERIAL LAYER:	PRIMARY	Accept. Drop	2 PSI		
QC NAME:	CHERYL HINA				

Seam Number	Test Date	Tech Initials	Test Type (A or V)	Air Pressure Test		Time		Test Result (P or F)	Test Locations
				PSI Start	PSI Finish	Start	End		
133-138	09/29/18	LH	A	30	30	749	754	P	ENTIRE LENGTH OF SEAM
136-138	09/29/18	LH	A	30	30	750	755	P	ENTIRE LENGTH OF SEAM
133-136	09/29/18	LH	A	30	30	746	751	P	ENTIRE LENGTH OF SEAM
136-139	09/29/18	LH	A	30	30	753	758	P	ENTIRE LENGTH OF SEAM
139-140	09/29/18	LH	A	30	30	800	805	P	ENTIRE LENGTH OF SEAM
140-141	09/29/18	LH	A	30	30	806	811	P	ENTIRE LENGTH OF SEAM
141-142	09/29/18	LH	A	30	30	812	817	P	ENTIRE LENGTH OF SEAM
142-144	09/29/18	LH	A	30	30	825	830	P	ENTIRE LENGTH OF SEAM
144-145	09/29/18	LH	A	30	30	824	829	P	ENTIRE LENGTH OF SEAM
145-147	09/29/18	LH	A	30	30	831	836	P	ENTIRE LENGTH OF SEAM
142-145	09/29/18	LH	A	30	30	818	823	P	ENTIRE LENGTH OF SEAM
147-148	09/29/18	LH	A	30	30	737	742	P	WEOS TO 13'
147-148	09/29/18	LH	A	30	30	735	740	P	13' TO EEOS
146-155	09/29/18	LH	A	30	30	916	921	P	ENTIRE LENGTH OF SEAM
148-149	09/29/18	LH	A	30	30	837	842	P	ENTIRE LENGTH OF SEAM
149-150	09/29/18	LH	A	30	30	841	846	P	ENTIRE LENGTH OF SEAM
150-151	09/29/18	LH	A	30	30	847	852	P	ENTIRE LENGTH OF SEAM
151-152	09/29/18	LH	A	30	30	849	854	P	ENTIRE LENGTH OF SEAM
155-163	09/29/18	LH	A	30	30	1008	1013	P	ENTIRE LENGTH OF SEAM

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NON-DESTRUCTIVE TESTING FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH PO	Test Criteria	AIR TEST	Test Criteria	Vacuum Test
PROJECT NO.:	18009	Start Pressure	30 PSI	Vac. Time	10 SEC
MATERIAL TYPE:	40MIL HDPE MICROSPIKE	Test Time	5 MIN	Vac. Pres.	5 PSI
MATERIAL LAYER:	PRIMARY	Accept. Drop	2 PSI		
QC NAME:	CHERYL HINA				

Seam Number	Test Date	Tech Initials	Test Type (A or V)	Air Pressure Test		Time		Test Result (P or F)	Test Locations
				PSI Start	PSI Finish	Start	End		
152-153	09/29/18	LH	A	30	30	900	905	P	ENTIRE LENGTH OF SEAM
153-154	09/29/18	LH	A	30	30	907	912	P	ENTIRE LENGTH OF SEAM
154-156	09/29/18	LH	A	30	30	918	923	P	ENTIRE LENGTH OF SEAM
156-157	09/29/18	LH	A	30	30	825	830	P	ENTIRE LENGTH OF SEAM
157-158	09/29/18	LH	A	30	30	930	935	P	ENTIRE LENGTH OF SEAM
158-159	09/29/18	LH	A	30	30	936	941	P	ENTIRE LENGTH OF SEAM
159-160	09/29/18	LH	A	30	30	937	942	P	ENTIRE LENGTH OF SEAM
160-161	09/29/18	LH	A	30	30	949	954	P	ENTIRE LENGTH OF SEAM
161-162	09/29/18	LH	A	30	30	951	956	P	ENTIRE LENGTH OF SEAM
162-164	09/29/18	LH	A	30	30	1014	1019	P	ENTIRE LENGTH OF SEAM
164-165	09/29/18	LH	A	30	30	1018	1023	P	ENTIRE LENGTH OF SEAM
165-166	09/29/18	LH	A	30	30	1024	1029	P	ENTIRE LENGTH OF SEAM
166-167	09/29/18	LH	A	30	30	1031	1036	P	ENTIRE LENGTH OF SEAM
167-168	09/29/18	LH	A	30	30	1038	1043	P	ENTIRE LENGTH OF SEAM
168-170	09/29/18	LH	A	30	30	1054	1059	P	ENTIRE LENGTH OF SEAM
170-171	09/29/18	LH	A	30	30	1056	1101	P	ENTIRE LENGTH OF SEAM
171-172	09/29/18	LH	A	30	30	1102	1107	P	ENTIRE LENGTH OF SEAM
172-173	09/29/18	LH	A	30	30	1108	1113	P	ENTIRE LENGTH OF SEAM
173-174	09/29/18	LH	A	30	30	1111	1116	P	ENTIRE LENGTH OF SEAM

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NON-DESTRUCTIVE TESTING FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH PO	Test Criteria	AIR TEST	Test Criteria	Vacuum Test
PROJECT NO.:	18009	Start Pressure	30 PSI	Vac. Time	10 SEC
MATERIAL TYPE:	40MIL HDPE MICROSPIKE	Test Time	5 MIN	Vac. Pres.	5 PSI
MATERIAL LAYER:	PRIMARY	Accept. Drop	2 PSI		
QC NAME:	CHERYL HINA				

Seam Number	Test Date	Tech Initials	Test Type (A or V)	Air Pressure Test		Time		Test Result (P or F)	Test Locations
				PSI Start	PSI Finish	Start	End		
174-175	09/29/18	LH	A	30	30	1117	1122	P	ENTIRE LENGTH OF SEAM
175-176	09/29/18	LH	A	30	30	1120	1125	P	ENTIRE LENGTH OF SEAM
176-177	09/29/18	LH	A	30	30	1130	1135	P	WEOS TO 25'
176-177	09/29/18	LH	A	30	30	1132	1137	P	25' TO EEOS
135-136	09/29/18	LH	A	30	30	751	756	P	ENTIRE LENGTH OF SEAM
135-139	09/29/18	LH	A	30	30	754	759	P	ENTIRE LENGTH OF SEAM
137-139	09/29/18	LH	A	30	30	756	801	P	ENTIRE LENGTH OF SEAM
137-140	09/29/18	LH	A	30	30	801	806	P	ENTIRE LENGTH OF SEAM
140-143	-	-	PATCH	-	-	-	-	-	ENTIRE LENGTH OF SEAM
141-143	09/29/18	LH	A	30	30	810	815	P	ENTIRE LENGTH OF SEAM
142-143	09/29/18	LH	A	30	30	815	820	P	ENTIRE LENGTH OF SEAM
143-145	09/29/18	LH	A	30	30	819	824	P	ENTIRE LENGTH OF SEAM
145-146	09/29/18	LH	A	30	30	830	835	P	ENTIRE LENGTH OF SEAM
146-147	09/29/18	LH	A	30	30	833	838	P	ENTIRE LENGTH OF SEAM
146-148	09/29/18	LH	A	30	30	836	841	P	ENTIRE LENGTH OF SEAM
146-149	09/29/18	LH	A	30	30	839	844	P	ENTIRE LENGTH OF SEAM
146-150	09/29/18	LH	A	30	30	843	848	P	ENTIRE LENGTH OF SEAM
146-151	09/29/18	LH	A	30	30	848	853	P	ENTIRE LENGTH OF SEAM
146-152	09/29/18	LH	A	30	30	859	904	P	ENTIRE LENGTH OF SEAM

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NON-DESTRUCTIVE TESTING FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH PO	Test Criteria	AIR TEST	Test Criteria	Vacuum Test
PROJECT NO.:	18009	Start Pressure	30 PSI	Vac. Time	10 SEC
MATERIAL TYPE:	40MIL HDPE MICROSPIKE	Test Time	5 MIN	Vac. Pres.	5 PSI
MATERIAL LAYER:	PRIMARY	Accept. Drop	2 PSI		
QC NAME:	CHERYL HINA				

Seam Number	Test Date	Tech Initials	Test Type (A or V)	Air Pressure Test		Time		Test Result (P or F)	Test Locations
				PSI Start	PSI Finish	Start	End		
146-153	09/29/18	LH	A	30	30	916	921	P	ENTIRE LENGTH OF SEAM
146-154	09/29/18	LH	A	30	30	912	917	P	ENTIRE LENGTH OF SEAM
154-155	09/29/18	LH	A	30	30	917	922	P	ENTIRE LENGTH OF SEAM
155-156	09/29/18	LH	A	30	30	924	929	P	ENTIRE LENGTH OF SEAM
155-157	09/29/18	LH	A	30	30	929	934	P	ENTIRE LENGTH OF SEAM
155-158	09/29/18	LH	A	30	30	935	940	P	ENTIRE LENGTH OF SEAM
155-159	09/29/18	LH	A	30	30	937	942	P	ENTIRE LENGTH OF SEAM
155-160	09/29/18	LH	A	30	30	943	948	P	ENTIRE LENGTH OF SEAM
155-161	09/29/18	LH	A	30	30	950	955	P	ENTIRE LENGTH OF SEAM
155-162	09/29/18	LH	A	30	30	1007	1012	P	ENTIRE LENGTH OF SEAM
162-163	09/29/18	LH	A	30	30	1013	1018	P	ENTIRE LENGTH OF SEAM
163-164	09/29/18	LH	A	30	30	1017	1022	P	ENTIRE LENGTH OF SEAM
163-165	09/29/18	LH	A	30	30	1025	1030	P	ENTIRE LENGTH OF SEAM
163-166	09/29/18	LH	A	30	30	1032	1037	P	ENTIRE LENGTH OF SEAM
163-167	09/29/18	LH	A	30	30	1037	1042	P	ENTIRE LENGTH OF SEAM
163-168	09/29/18	LH	A	30	30	1044	1049	P	ENTIRE LENGTH OF SEAM
168-169	09/29/18	LH	A	30	30	1047	1052	P	ENTIRE LENGTH OF SEAM
169-170	09/29/18	LH	A	30	30	1055	1100	P	ENTIRE LENGTH OF SEAM
169-171	09/29/18	LH	A	30	30	1110	1115	P	ENTIRE LENGTH OF SEAM

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NON-DESTRUCTIVE TESTING FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH PO	Test Criteria	AIR TEST	Test Criteria	Vacuum Test
PROJECT NO.:	18009	Start Pressure	30 PSI	Vac. Time	10 SEC
MATERIAL TYPE:	40MIL HDPE MICROSPIKE	Test Time	5 MIN	Vac. Pres.	5 PSI
MATERIAL LAYER:	PRIMARY	Accept. Drop	2 PSI		
QC NAME:	CHERYL HINA				

Seam Number	Test Date	Tech Initials	Test Type (A or V)	Air Pressure Test		Time		Test Result (P or F)	Test Locations
				PSI Start	PSI Finish	Start	End		
169-172	09/29/18	LH	A	30	30	1104	1109	P	ENTIRE LENGTH OF SEAM
169-173	09/29/18	LH	A	30	30	1110	1115	P	ENTIRE LENGTH OF SEAM
169-174	09/29/18	LH	A	30	30	1114	1119	P	ENTIRE LENGTH OF SEAM
169-175	09/29/18	LH	A	30	30	1118	1123	P	ENTIRE LENGTH OF SEAM
169-176	09/29/18	LH	A	30	30	1124	1129	P	ENTIRE LENGTH OF SEAM
169-177	09/29/18	LH	A	30	30	1127	1132	P	ENTIRE LENGTH OF SEAM
163-169	09/29/18	LH	A	30	30	1046	1051	P	ENTIRE LENGTH OF SEAM
94-178	10/16/18	PG	A	30	30	1056	1101	P	ENTIRE LENGTH OF SEAM
178-179	10/16/18	PG	A	30	30	1058	1103	P	ENTIRE LENGTH OF SEAM
179-180	10/16/18	PG	A	30	30	1101	1106	P	ENTIRE LENGTH OF SEAM
180-181.	10/16/18	PG	A	30	30	1105	1110	P	ENTIRE LENGTH OF SEAM
181-182	10/16/18	PG	A	30	30	1108	1113	P	ENTIRE LENGTH OF SEAM
182-183	10/16/18	PG	A	30	30	1112	1117	P	ENTIRE LENGTH OF SEAM
183-184	10/16/18	PG	A	30	30	1114	1119	P	ENTIRE LENGTH OF SEAM
184-185	10/16/18	PG	A	30	30	1117	1122	P	ENTIRE LENGTH OF SEAM
185-186	10/16/18	PG	A	30	30	1123	1128	P	ENTIRE LENGTH OF SEAM
186-187	10/16/18	PG	A	30	30	1125	1130	P	ENTIRE LENGTH OF SEAM
187-188	10/16/18	PG	A	30	30	1130	1135	P	ENTIRE LENGTH OF SEAM
188-189	10/16/18	PG	A	30	30	1134	1139	P	SEOS TO 6'

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NON-DESTRUCTIVE TESTING FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH PO	Test Criteria	AIR TEST	Test Criteria	Vacuum Test
PROJECT NO.:	18009	Start Pressure	30 PSI	Vac. Time	10 SEC
MATERIAL TYPE:	40MIL HDPE MICROSPIKE	Test Time	5 MIN	Vac. Pres.	5 PSI
MATERIAL LAYER:	PRIMARY	Accept. Drop	2 PSI		
QC NAME:	CHERYL HINA				

Seam Number	Test Date	Tech Initials	Test Type (A or V)	Air Pressure Test		Time		Test Result (P or F)	Test Locations
				PSI Start	PSI Finish	Start	End		
188-189	10/16/18	PG	A	30	30	1131	1136	P	6' TO NEOS
189-190	10/16/18	PG	A	30	30	1140	1145	P	SEOS TO 25'
189-190	10/16/18	PG	A	30	30	1139	1144	P	25' TO NEOS
190-191	10/16/18	PG	A	30	30	1153	1158	P	SEOS TO 9'
190-191	10/16/18	PG	A	30	30	1151	1156	P	9' TO 29'
190-191	10/16/18	PG	A	30	30	1147	1152	P	29' TO NEOS
191-192	10/16/18	PG	A	30	30	1245	1250	P	ENTIRE LENGTH OF SEAM
192-193	10/16/18	PG	A	30	30	1247	1252	P	ENTIRE LENGTH OF SEAM
193-194	10/16/18	PG	A	30	30	1248	1253	P	ENTIRE LENGTH OF SEAM
194-195	10/16/18	PG	A	30	30	1252	1257	P	ENTIRE LENGTH OF SEAM
195-196	10/16/18	PG	A	30	30	1255	1300	P	ENTIRE LENGTH OF SEAM
196-197	10/16/18	PG	A	30	30	1258	1303	P	ENTIRE LENGTH OF SEAM
197-198	10/16/18	PG	A	30	30	1301	1306	P	ENTIRE LENGTH OF SEAM
94-199	10/16/18	PG	A	30	30	1452	1457	P	ENTIRE LENGTH OF SEAM
89-199	10/16/18	PG	A	30	30	1451	1456	P	ENTIRE LENGTH OF SEAM
199-200	10/16/18	PG	A	30	30	1317	1322	P	ENTIRE LENGTH OF SEAM
200-201	10/16/18	PG	A	30	30	1319	1324	P	SEOS TO 75'
200-201	10/16/18	PG	A	30	30	1320	1325	P	75' TO NEOS
201-202	10/16/18	PG	A	30	30	1332	1337	P	ENTIRE LENGTH OF SEAM

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NON-DESTRUCTIVE TESTING FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH PO	Test Criteria	AIR TEST	Test Criteria	Vacuum Test
PROJECT NO.:	18009	Start Pressure	30 PSI	Vac. Time	10 SEC
MATERIAL TYPE:	40MIL HDPE MICROSPIKE	Test Time	5 MIN	Vac. Pres.	5 PSI
MATERIAL LAYER:	PRIMARY	Accept. Drop	2 PSI		
QC NAME:	CHERYL HINA				

Seam Number	Test Date	Tech Initials	Test Type (A or V)	Air Pressure Test		Time		Test Result (P or F)	Test Locations
				PSI Start	PSI Finish	Start	End		
202-203	10/16/18	PG	A	30	30	1340	1345	P	ENTIRE LENGTH OF SEAM
203-205	10/16/18	PG	A	30	30	1349	1354	P	NEOS TO 75'
203-205	10/16/18	PG	A	30	30	1347	1352	P	75' TO SEOS
205-206	10/16/18	PG	A	30	30	1350	1355	P	ENTIRE LENGTH OF SEAM
203-206	10/16/18	PG	A	30	30	1356	1401	P	NEOS TO 16'
203-206	10/16/18	PG	A	30	30	1355	1400	P	16' TO SEOS
203-204	10/16/18	PG	A	30	30	1359	1404	P	ENTIRE LENGTH OF SEAM
204-206	10/16/18	PG	A	30	30	1402	1407	P	NEOS TO 6'
204-206	10/16/18	PG	A	30	30	1404	1409	P	6' TO SEOS
178-199	10/16/18	PG	A	30	30	1446	1451	P	ENTIRE LENGTH OF SEAM
179-199	10/16/18	PG	A	30	30	1443	1448	P	ENTIRE LENGTH OF SEAM
179-200	10/16/18	PG	A	30	30	1432	1437	P	ENTIRE LENGTH OF SEAM
180-200	10/16/18	PG	A	30	30	1431	1436	P	ENTIRE LENGTH OF SEAM
181-201	10/16/18	PG	A	30	30	1430	1435	P	ENTIRE LENGTH OF SEAM
182-201	10/16/18	PG	A	30	30	1429	1434	P	ENTIRE LENGTH OF SEAM
182-202	10/16/18	PG	A	30	30	1425	1430	P	ENTIRE LENGTH OF SEAM
183-202	10/16/18	PG	A	30	30	1426	1431	P	ENTIRE LENGTH OF SEAM
184-202	-	-	PATCH	-	-	-	-	-	ENTIRE LENGTH OF SEAM
184-203	-	-	PATCH	-	-	-	-	-	ENTIRE LENGTH OF SEAM

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NON-DESTRUCTIVE TESTING FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH PO	Test Criteria	AIR TEST	Test Criteria	Vacuum Test
PROJECT NO.:	18009	Start Pressure	30 PSI	Vac. Time	10 SEC
MATERIAL TYPE:	40MIL HDPE MICROSPIKE	Test Time	5 MIN	Vac. Pres.	5 PSI
MATERIAL LAYER:	PRIMARY	Accept. Drop	2 PSI		
QC NAME:	CHERYL HINA				

Seam Number	Test Date	Tech Initials	Test Type (A or V)	Air Pressure Test		Time		Test Result (P or F)	Test Locations
				PSI Start	PSI Finish	Start	End		
184-204	10/16/18	PG	A	30	30	1421	1426	P	ENTIRE LENGTH OF SEAM
185-204	10/16/18	PG	A	30	30	1420	1425	P	ENTIRE LENGTH OF SEAM
185-206	10/16/18	PG	A	30	30	1418	1423	P	ENTIRE LENGTH OF SEAM
186-206	10/16/18	PG	A	30	30	1417	1422	P	ENTIRE LENGTH OF SEAM
95-199	-	-	PATCH	-	-	-	-	-	ENTIRE LENGTH OF SEAM
96-200	-	-	PATCH	-	-	-	-	-	WEOS TO 7'
96-200	10/16/18	PG	A	30	30	1458	1503	P	7' TO EEOS
97-201	10/16/18	PG	A	30	30	1459	1504	P	ENTIRE LENGTH OF SEAM
98-202	10/16/18	PG	A	30	30	1501	1506	P	ENTIRE LENGTH OF SEAM
99-203	10/16/18	PG	A	30	30	1502	1507	P	ENTIRE LENGTH OF SEAM
100-205	10/16/18	PG	A	30	30	1505	1510	P	ENTIRE LENGTH OF SEAM
205-207	10/17/18	PG	A	30	30	912	917	P	ENTIRE LENGTH OF SEAM
206-207	10/17/18	PG	A	30	30	913	918	P	ENTIRE LENGTH OF SEAM
207-208	10/17/18	PG	A	30	30	920	925	P	SEOS TO 114'
207-208	10/17/18	PG	A	30	30	915	920	P	114' TO 131'
207-208	10/17/18	PG	A	30	30	914	919	P	131' TO NEOS
207-209	10/17/18	PG	A	30	30	926	931	P	ENTIRE LENGTH OF SEAM
208-209	10/17/18	PG	A	30	30	925	930	P	ENTIRE LENGTH OF SEAM
208-210	10/17/18	PG	A	30	30	935	940	P	ENTIRE LENGTH OF SEAM

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NON-DESTRUCTIVE TESTING FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH PO	Test Criteria	AIR TEST	Test Criteria	Vacuum Test
PROJECT NO.:	18009	Start Pressure	30 PSI	Vac. Time	10 SEC
MATERIAL TYPE:	40MIL HDPE MICROSPIKE	Test Time	5 MIN	Vac. Pres.	5 PSI
MATERIAL LAYER:	PRIMARY	Accept. Drop	2 PSI		
QC NAME:	CHERYL HINA				

Seam Number	Test Date	Tech Initials	Test Type (A or V)	Air Pressure Test		Time		Test Result (P or F)	Test Locations
				PSI Start	PSI Finish	Start	End		
208-211	10/17/18	PG	A	30	30	932	937	P	ENTIRE LENGTH OF SEAM
210-211	10/17/18	PG	A	30	30	937	942	P	ENTIRE LENGTH OF SEAM
209-211	10/17/18	PG	A	30	30	931	936	P	ENTIRE LENGTH OF SEAM
211-213	10/17/18	PG	A	30	30	955	1000	P	ENTIRE LENGTH OF SEAM
211-212	10/17/18	PG	A	30	30	941	946	P	ENTIRE LENGTH OF SEAM
210-212	10/17/18	PG	A	30	30	946	951	P	ENTIRE LENGTH OF SEAM
212-214	10/17/18	PG	A	30	30	1010	1015	P	ENTIRE LENGTH OF SEAM
212-215	10/17/18	PG	A	30	30	959	1004	P	ENTIRE LENGTH OF SEAM
213-215	10/17/18	PG	A	30	30	958	1003	P	ENTIRE LENGTH OF SEAM
214-215	10/17/18	PG	A	30	30	1002	1007	P	ENTIRE LENGTH OF SEAM
212-213	10/17/18	PG	A	30	30	956	1001	P	ENTIRE LENGTH OF SEAM
216-217	10/17/18	PG	A	30	30	1025	1030	P	ENTIRE LENGTH OF SEAM
215-217	10/17/18	PG	A	30	30	1053	1058	P	ENTIRE LENGTH OF SEAM
215-216	10/17/18	PG	A	30	30	1047	1052	P	SEOS TO 13'
215-216	10/17/18	PG	A	30	30	1045	1050	P	13' TO NEOS
214-216	10/17/18	PG	A	30	30	1042	1047	P	ENTIRE LENGTH OF SEAM
216-218	10/17/18	PG	A	30	30	1055	1100	P	ENTIRE LENGTH OF SEAM
216-219	10/17/18	PG	A	30	30	1022	1027	P	ENTIRE LENGTH OF SEAM
217-219	10/17/18	PG	A	30	30	1027	1032	P	ENTIRE LENGTH OF SEAM

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NON-DESTRUCTIVE TESTING FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH PO	Test Criteria	AIR TEST	Test Criteria	Vacuum Test
PROJECT NO.:	18009	Start Pressure	30 PSI	Vac. Time	10 SEC
MATERIAL TYPE:	40MIL HDPE MICROSPIKE	Test Time	5 MIN	Vac. Pres.	5 PSI
MATERIAL LAYER:	PRIMARY	Accept. Drop	2 PSI		
QC NAME:	CHERYL HINA				

Seam Number	Test Date	Tech Initials	Test Type (A or V)	Air Pressure Test		Time		Test Result (P or F)	Test Locations
				PSI Start	PSI Finish	Start	End		
218-219	10/17/18	PG	A	30	30	1023	1028	P	ENTIRE LENGTH OF SEAM
220-221	10/17/18	PG	A	30	30	1136	1141	P	ENTIRE LENGTH OF SEAM
219-221	10/17/18	PG	A	30	30	1151	1156	P	ENTIRE LENGTH OF SEAM
219-220	10/17/18	PG	A	30	30	1152	1157	P	ENTIRE LENGTH OF SEAM
218-220	10/17/18	PG	A	30	30	1146	1151	P	ENTIRE LENGTH OF SEAM
220-226	10/17/18	PG	A	30	30	1238	1243	P	ENTIRE LENGTH OF SEAM
198-222	10/17/18	PG	A	30	30	1112	1117	P	ENTIRE LENGTH OF SEAM
222-223	10/17/18	PG	A	30	30	1115	1120	P	ENTIRE LENGTH OF SEAM
223-224	10/17/18	PG	A	30	30	1118	1123	P	ENTIRE LENGTH OF SEAM
225-226	10/17/18	PG	A	30	30	1142	1147	P	ENTIRE LENGTH OF SEAM
221-226	10/17/18	PG	A	30	30	1137	1142	P	ENTIRE LENGTH OF SEAM
221-225	10/17/18	PG	A	30	30	1139	1144	P	ENTIRE LENGTH OF SEAM
225-227	10/17/18	PG	A	30	30	1315	1320	P	ENTIRE LENGTH OF SEAM
226-227	10/17/18	PG	A	30	30	1330	1335	P	ENTIRE LENGTH OF SEAM
226-228	10/17/18	PG	A	30	30	1350	1355	P	ENTIRE LENGTH OF SEAM
227-228	10/17/18	PG	A	30	30	1327	1332	P	ENTIRE LENGTH OF SEAM
187-206	10/17/18	PG	A	30	30	1544	1549	P	ENTIRE LENGTH OF SEAM
187-207	10/17/18	PG	A	30	30	1543	1548	P	ENTIRE LENGTH OF SEAM
188-207	10/17/18	PG	A	30	30	1536	1541	P	ENTIRE LENGTH OF SEAM

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NON-DESTRUCTIVE TESTING FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH PO	Test Criteria	AIR TEST	Test Criteria	Vacuum Test
PROJECT NO.:	18009	Start Pressure	30 PSI	Vac. Time	10 SEC
MATERIAL TYPE:	40MIL HDPE MICROSPIKE	Test Time	5 MIN	Vac. Pres.	5 PSI
MATERIAL LAYER:	PRIMARY	Accept. Drop	2 PSI		
QC NAME:	CHERYL HINA				

Seam Number	Test Date	Tech Initials	Test Type (A or V)	Air Pressure Test		Time		Test Result (P or F)	Test Locations
				PSI Start	PSI Finish	Start	End		
188-209	10/17/18	PG	A	30	30	1535	1540	P	ENTIRE LENGTH OF SEAM
189-209	10/17/18	PG	A	30	30	1527	1532	P	ENTIRE LENGTH OF SEAM
190-209	10/17/18	PG	A	30	30	1526	1531	P	ENTIRE LENGTH OF SEAM
190-211	10/17/18	PG	A	30	30	1521	1526	P	ENTIRE LENGTH OF SEAM
191-211	10/17/18	PG	A	30	30	1520	1525	P	ENTIRE LENGTH OF SEAM
101-207	10/17/18	PG	A	30	30	1430	1435	P	ENTIRE LENGTH OF SEAM
102-208	10/17/18	PG	A	30	30	1428	1433	P	ENTIRE LENGTH OF SEAM
103-210	10/17/18	PG	A	30	30	1426	1431	P	ENTIRE LENGTH OF SEAM
104-212	10/17/18	PG	A	30	30	1425	1430	P	ENTIRE LENGTH OF SEAM
104-214	-	-	PATCH	-	-	-	-	-	-
105-214	10/17/18	PG	A	30	30	1419	1424	P	ENTIRE LENGTH OF SEAM
105-216	-	-	PATCH	-	-	-	-	-	-
106-216	10/17/18	PG	A	30	30	1417	1422	P	ENTIRE LENGTH OF SEAM
106-218	-	-	PATCH	-	-	-	-	-	-
107-218	10/17/18	PG	A	30	30	1414	1419	P	ENTIRE LENGTH OF SEAM
107-220	-	-	PATCH	-	-	-	-	-	-
108-220	10/17/18	PG	A	30	30	1410	1415	P	ENTIRE LENGTH OF SEAM
108-226	-	-	PATCH	-	-	-	-	-	ENTIRE LENGTH OF SEAM
109-226	10/17/18	PG	A	30	30	1351	1356	P	ENTIRE LENGTH OF SEAM

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 NON-DESTRUCTIVE TESTING FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH PO	Test Criteria	AIR TEST	Test Criteria	Vacuum Test
PROJECT NO.:	18009	Start Pressure	30 PSI	Vac. Time	10 SEC
MATERIAL TYPE:	40MIL HDPE MICROSPIKE	Test Time	5 MIN	Vac. Pres.	5 PSI
MATERIAL LAYER:	PRIMARY	Accept. Drop	2 PSI		
QC NAME:	CHERYL HINA				

Seam Number	Test Date	Tech Initials	Test Type (A or V)	Air Pressure Test		Time		Test Result (P or F)	Test Locations
				PSI Start	PSI Finish	Start	End		
109-228	-	-	PATCH	-	-	-	-	-	-
110-228	10/17/18	PG	A	30	30	1349	1354	P	ENTIRE LENGTH OF SEAM
192-213	10/17/18	PG	A	30	30	1517	1522	P	ENTIRE LENGTH OF SEAM
193-213	10/17/18	PG	A	30	30	1516	1521	P	ENTIRE LENGTH OF SEAM
193-215	10/17/18	PG	A	30	30	1509	1514	P	ENTIRE LENGTH OF SEAM
194-215	10/17/18	PG	A	30	30	1508	1513	P	ENTIRE LENGTH OF SEAM
194-217	-	-	PATCH	-	-	-	-	-	-
195-217	10/17/18	PG	A	30	30	1504	1509	P	ENTIRE LENGTH OF SEAM
196-217	10/17/18	PG	A	30	30	1503	1508	P	ENTIRE LENGTH OF SEAM
196-219	10/17/18	PG	A	30	30	1458	1503	P	ENTIRE LENGTH OF SEAM
197-219	10/17/18	PG	A	30	30	1457	1502	P	ENTIRE LENGTH OF SEAM
198-221	10/17/18	PG	A	30	30	1450	1455	P	ENTIRE LENGTH OF SEAM
221-222	10/17/18	PG	A	30	30	1451	1456	P	ENTIRE LENGTH OF SEAM
222-225	10/17/18	PG	A	30	30	1449	1454	P	ENTIRE LENGTH OF SEAM
223-225	10/17/18	PG	A	30	30	1448	1453	P	ENTIRE LENGTH OF SEAM
233-241	10/19/18	PG	A	30	30	1036	1041	P	ENTIRE LENGTH OF SEAM
232-238	10/19/18	PG	A	30	30	1035	1040	P	ENTIRE LENGTH OF SEAM
231-238	-	-	PATCH	-	-	-	-	-	-
231-237	10/19/18	PG	A	30	30	1033	1038	P	ENTIRE LENGTH OF SEAM

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NON-DESTRUCTIVE TESTING FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH PO	Test Criteria	AIR TEST	Test Criteria	Vacuum Test
PROJECT NO.:	18009	Start Pressure	30 PSI	Vac. Time	10 SEC
MATERIAL TYPE:	40MIL HDPE MICROSPIKE	Test Time	5 MIN	Vac. Pres.	5 PSI
MATERIAL LAYER:	PRIMARY	Accept. Drop	2 PSI		
QC NAME:	CHERYL HINA				

Seam Number	Test Date	Tech Initials	Test Type (A or V)	Air Pressure Test		Time		Test Result (P or F)	Test Locations
				PSI Start	PSI Finish	Start	End		
230-237	10/19/18	PG	A	30	30	1032	1037	P	ENTIRE LENGTH OF SEAM
230-234	10/19/18	PG	A	30	30	1026	1031	P	ENTIRE LENGTH OF SEAM
229-234	10/19/18	PG	A	30	30	1025	1030	P	ENTIRE LENGTH OF SEAM
227-229	-	-	PATCH	-	-	-	-	-	-
224-227	10/19/18	PG	A	30	30	1023	1028	P	ENTIRE LENGTH OF SEAM
252-253	10/19/18	PG	A	30	30	1055	1100	P	NEOS TO 245'
252-253	10/19/18	PG	A	30	30	1059	1104	P	245' TO SEOS
253-254	10/19/18	PG	A	30	30	1126	1131	P	ENTIRE LENGTH OF SEAM
254-255	10/19/18	PG	A	30	30	1122	1127	P	SEOS TO 362'
254-255	10/19/18	PG	A	30	30	1123	1128	P	362' TO 469'
254-255	10/19/18	PG	A	30	30	1131	1136	P	469' TO 490'
254-255	10/19/18	PG	A	30	30	1135	1140	P	490' TO 497'
254-255	10/19/18	PG	A	30	30	1143	1148	P	497' TO 587'
254-255	10/19/18	PG	A	30	30	1147	1152	P	587' TO 603'
254-255	10/19/18	PG	A	30	30	1150	1155	P	603' TO 614'
254-255	10/19/18	PG	A	30	30	1153	1158	P	614' TO NEOS
255-256	10/19/18	PG	A	30	30	1245	1250	P	ENTIRE LENGTH OF SEAM
256-257	10/19/18	PG	A	30	30	1247	1252	P	ENTIRE LENGTH OF SEAM
257-258	10/19/18	PG	A	30	30	1314	1319	P	ENTIRE LENGTH OF SEAM

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NON-DESTRUCTIVE TESTING FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH PO	Test Criteria	AIR TEST	Test Criteria	Vacuum Test
PROJECT NO.:	18009	Start Pressure	30 PSI	Vac. Time	10 SEC
MATERIAL TYPE:	40MIL HDPE MICROSPIKE	Test Time	5 MIN	Vac. Pres.	5 PSI
MATERIAL LAYER:	PRIMARY	Accept. Drop	2 PSI		
QC NAME:	CHERYL HINA				

Seam Number	Test Date	Tech Initials	Test Type (A or V)	Air Pressure Test		Time		Test Result (P or F)	Test Locations
				PSI Start	PSI Finish	Start	End		
258-259	10/19/18	PG	A	30	30	1305	1310	P	ENTIRE LENGTH OF SEAM
121-253	10/19/18	PG	A	30	30	1415	1420	P	ENTIRE LENGTH OF SEAM
121-254	-	-	PATCH	-	-	-	-	-	-
122-254	10/19/18	PG	A	30	30	1416	1421	P	ENTIRE LENGTH OF SEAM
122-255	-	-	PATCH	-	-	-	-	-	-
123-255	10/19/18	PG	A	30	30	1417	1422	P	ENTIRE LENGTH OF SEAM
123-256	-	-	PATCH	-	-	-	-	-	-
124-256	10/19/18	PG	A	30	30	1418	1423	P	ENTIRE LENGTH OF SEAM
124-257	-	-	PATCH	-	-	-	-	-	-
125-257	10/19/18	PG	A	30	30	1422	1427	P	ENTIRE LENGTH OF SEAM
125-258	-	-	PATCH	-	-	-	-	-	-
126-258	10/19/18	PG	A	30	30	1423	1428	P	ENTIRE LENGTH OF SEAM
126-259	-	-	PATCH	-	-	-	-	-	-
127-259	10/19/18	PG	A	30	30	1433	1438	P	ENTIRE LENGTH OF SEAM
228-235	10/18/18	PG	A	30	30	1051	1056	P	ENTIRE LENGTH OF SEAM
227-235	10/18/18	PG	A	30	30	1052	1057	P	ENTIRE LENGTH OF SEAM
227-234	10/18/18	PG	A	30	30	1110	1115	P	ENTIRE LENGTH OF SEAM
234-235	10/18/18	PG	A	30	30	1054	1059	P	ENTIRE LENGTH OF SEAM
224-229	10/18/18	PG	A	30	30	1339	1344	P	ENTIRE LENGTH OF SEAM

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NON-DESTRUCTIVE TESTING FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH PO	Test Criteria	AIR TEST	Test Criteria	Vacuum Test
PROJECT NO.:	18009	Start Pressure	30 PSI	Vac. Time	10 SEC
MATERIAL TYPE:	40MIL HDPE MICROSPIKE	Test Time	5 MIN	Vac. Pres.	5 PSI
MATERIAL LAYER:	PRIMARY	Accept. Drop	2 PSI		
QC NAME:	CHERYL HINA				

Seam Number	Test Date	Tech Initials	Test Type (A or V)	Air Pressure Test		Time		Test Result (P or F)	Test Locations
				PSI Start	PSI Finish	Start	End		
229-230	10/18/18	PG	A	30	30	1341	1346	P	ENTIRE LENGTH OF SEAM
230-231	10/18/18	PG	A	30	30	1344	1349	P	ENTIRE LENGTH OF SEAM
231-232	10/18/18	PG	A	30	30	1354	1359	P	ENTIRE LENGTH OF SEAM
232-233	10/18/18	PG	A	30	30	1356	1401	P	ENTIRE LENGTH OF SEAM
238-239	10/18/18	PG	A	30	30	1147	1152	P	ENTIRE LENGTH OF SEAM
236-237	10/18/18	PG	A	30	30	1136	1141	P	ENTIRE LENGTH OF SEAM
234-237	10/18/18	PG	A	30	30	1140	1145	P	ENTIRE LENGTH OF SEAM
234-236	10/18/18	PG	A	30	30	1111	1116	P	ENTIRE LENGTH OF SEAM
235-236	10/18/18	PG	A	30	30	1053	1058	P	ENTIRE LENGTH OF SEAM
236-239	10/18/18	PG	A	30	30	1113	1118	P	NEOS TO 245'
236-239	10/18/18	PG	A	30	30	1114	1119	P	245' TO 445'
236-239	10/18/18	PG	A	30	30	1128	1133	P	445' TO 461'
236-239	10/18/18	PG	A	30	30	1130	1135	P	461' TO SEOS
237-239	10/18/18	PG	A	30	30	1138	1143	P	ENTIRE LENGTH OF SEAM
237-238	10/18/18	PG	A	30	30	1143	1148	P	ENTIRE LENGTH OF SEAM
238-241	10/18/18	PG	A	30	30	1150	1155	P	ENTIRE LENGTH OF SEAM
239-241	10/18/18	PG	A	30	30	1237	1242	P	SEOS TO 190'
239-241	10/18/18	PG	A	30	30	1236	1241	P	190' TO 333'
239-241	10/18/18	PG	A	30	30	1516	1521	P	333' TO NEOS

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NON-DESTRUCTIVE TESTING FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH PO	Test Criteria	AIR TEST	Test Criteria	Vacuum Test
PROJECT NO.:	18009	Start Pressure	30 PSI	Vac. Time	10 SEC
MATERIAL TYPE:	40MIL HDPE MICROSPIKE	Test Time	5 MIN	Vac. Pres.	5 PSI
MATERIAL LAYER:	PRIMARY	Accept. Drop	2 PSI		
QC NAME:	CHERYL HINA				

Seam Number	Test Date	Tech Initials	Test Type (A or V)	Air Pressure Test		Time		Test Result (P or F)	Test Locations
				PSI Start	PSI Finish	Start	End		
239-240	10/18/18	PG	A	30	30	1519	1524	P	ENTIRE LENGTH OF SEAM
240-242	10/18/18	PG	A	30	30	1520	1525	P	ENTIRE LENGTH OF SEAM
241-242	10/18/18	PG	A	30	30	1505	1510	P	ENTIRE LENGTH OF SEAM
241-243	10/18/18	PG	A	30	30	1504	1509	P	ENTIRE LENGTH OF SEAM
240-241	10/18/18	PG	A	30	30	1518	1523	P	ENTIRE LENGTH OF SEAM
242-243	10/18/18	PG	A	30	30	1508	1513	P	ENTIRE LENGTH OF SEAM
233-244	10/18/18	PG	A	30	30	1408	1413	P	NEOS TO 16'
233-244	10/18/18	PG	A	30	30	1403	1408	P	16' TO SEOS
243-244	10/18/18	PG	A	30	30	1418	1423	P	ENTIRE LENGTH OF SEAM
243-245	-	-	PATCH	-	-	-	-	-	SEOS TO 8'
243-245	10/18/18	PG	A	30	30	1427	1432	P	8' TO 20'
243-245	10/18/18	PG	A	30	30	1430	1435	P	20' TO 37'
243-245	10/18/18	PG	A	30	30	1431	1436	P	37' TO 50'
243-245	10/18/18	PG	A	30	30	1435	1440	P	50' TO 150'
243-245	10/18/18	PG	A	30	30	1457	1502	P	150' TO NEOS
242-245	-	-	PATCH	-	-	-	-	-	SEOS TO 8'
242-245	10/18/18	PG	A	30	30	1502	1507	P	8' TO 17'
242-245	10/18/18	PG	A	30	30	1511	1516	P	17' TO NEOS
242-246	10/18/18	PG	A	30	30	1523	1528	P	ENTIRE LENGTH OF SEAM

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NON-DESTRUCTIVE TESTING FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH PO	Test Criteria	AIR TEST	Test Criteria	Vacuum Test
PROJECT NO.:	18009	Start Pressure	30 PSI	Vac. Time	10 SEC
MATERIAL TYPE:	40MIL HDPE MICROSPIKE	Test Time	5 MIN	Vac. Pres.	5 PSI
MATERIAL LAYER:	PRIMARY	Accept. Drop	2 PSI		
QC NAME:	CHERYL HINA				

Seam Number	Test Date	Tech Initials	Test Type (A or V)	Air Pressure Test		Time		Test Result (P or F)	Test Locations
				PSI Start	PSI Finish	Start	End		
245-246	10/18/18	PG	A	30	30	1515	1520	P	ENTIRE LENGTH OF SEAM
246-247	10/18/18	PG	A	30	30	1522	1527	P	ENTIRE LENGTH OF SEAM
245-247	10/18/18	PG	A	30	30	1516	1521	P	ENTIRE LENGTH OF SEAM
245-248	10/18/18	PG	A	30	30	1442	1447	P	ENTIRE LENGTH OF SEAM
248-249	10/18/18	PG	A	30	30	1543	1548	P	ENTIRE LENGTH OF SEAM
247-249	10/18/18	PG	A	30	30	1538	1543	P	SEOS TO 397'
247-249	10/18/18	PG	A	30	30	1555	1600	P	397' TO NEOS
247-248	10/18/18	PG	A	30	30	1440	1445	P	ENTIRE LENGTH OF SEAM
249-250	10/18/18	PG	A	30	30	1608	1613	P	WEOS TO 4'
249-250	10/18/18	PG	A	30	30	1559	1604	P	4' TO EEOS
247-250	10/18/18	PG	A	30	30	1601	1606	P	ENTIRE LENGTH OF SEAM
250-251	10/18/18	PG	A	30	30	1611	1616	P	ENTIRE LENGTH OF SEAM
249-251	10/18/18	PG	A	30	30	1556	1601	P	ENTIRE LENGTH OF SEAM
251-252	10/18/18	PG	A	30	30	1615	1620	P	ENTIRE LENGTH OF SEAM
119-252	10/18/18	PG	A	30	30	1628	1633	P	NEOS TO 8'
119-252	10/18/18	PG	A	30	30	1627	1632	P	8' TO 14'
119-252	10/18/18	PG	A	30	30	1628	1633	P	14' TO SEOS
121-252	-	-	PATCH	-	-	-	-	-	-
110-235	-	-	PATCH	-	-	-	-	-	-

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NON-DESTRUCTIVE TESTING FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH PO	Test Criteria	AIR TEST	Test Criteria	Vacuum Test
PROJECT NO.:	18009	Start Pressure	30 PSI	Vac. Time	10 SEC
MATERIAL TYPE:	40MIL HDPE MICROSPIKE	Test Time	5 MIN	Vac. Pres.	5 PSI
MATERIAL LAYER:	PRIMARY	Accept. Drop	2 PSI		
QC NAME:	CHERYL HINA				

Seam Number	Test Date	Tech Initials	Test Type (A or V)	Air Pressure Test		Time		Test Result (P or F)	Test Locations
				PSI Start	PSI Finish	Start	End		
111-235	10/19/18	PG	A	30	30	1000	1005	P	ENTIRE LENGTH OF SEAM
111-236	-	-	PATCH	-	-	-	-	-	-
112-236	10/19/18	PG	A	30	30	958	1003	P	ENTIRE LENGTH OF SEAM
112-239	-	-	PATCH	-	-	-	-	-	-
113-239	10/19/18	PG	A	30	30	957	1002	P	ENTIRE LENGTH OF SEAM
113-240	-	-	PATCH	-	-	-	-	-	-
114-240	10/19/18	PG	A	30	30	956	1001	P	ENTIRE LENGTH OF SEAM
114-242	-	-	PATCH	-	-	-	-	-	-
115-242	10/19/18	PG	A	30	30	955	1000	P	ENTIRE LENGTH OF SEAM
115-246	-	-	PATCH	-	-	-	-	-	-
116-246	10/19/18	PG	A	30	30	948	953	P	ENTIRE LENGTH OF SEAM
116-247	-	-	PATCH	-	-	-	-	-	-
117-247	10/19/18	PG	A	30	30	947	952	P	ENTIRE LENGTH OF SEAM
117-250	-	-	PATCH	-	-	-	-	-	-
118-250	10/19/18	PG	A	30	30	946	951	P	ENTIRE LENGTH OF SEAM
118-251	-	-	PATCH	-	-	-	-	-	-
119-251	10/19/18	PG	A	30	30	945	950	P	ENTIRE LENGTH OF SEAM
120-252	-	-	PATCH	-	-	-	-	-	WEOS TO 10'
120-252	10/19/18	PG	A	30	30	1639	1644	P	10' TO EEOS

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NON-DESTRUCTIVE TESTING FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH PO	Test Criteria	AIR TEST	Test Criteria	Vacuum Test
PROJECT NO.:	18009	Start Pressure	30 PSI	Vac. Time	10 SEC
MATERIAL TYPE:	40MIL HDPE MICROSPIKE	Test Time	5 MIN	Vac. Pres.	5 PSI
MATERIAL LAYER:	PRIMARY	Accept. Drop	2 PSI		
QC NAME:	CHERYL HINA				

Seam Number	Test Date	Tech Initials	Test Type (A or V)	Air Pressure Test		Time		Test Result (P or F)	Test Locations
				PSI Start	PSI Finish	Start	End		
259-260	10/22/18	PG	A	30	30	1411	1416	P	ENTIRE LENGTH OF SEAM
260-261	10/22/18	PG	A	30	30	1413	1418	P	ENTIRE LENGTH OF SEAM
260-262	10/22/18	PG	A	30	30	1430	1435	P	NEOS TO 305'
260-262	10/22/18	PG	A	30	30	1500	1505	P	305' TO SEOS
261-262	10/22/18	PG	A	30	30	1414	1419	P	ENTIRE LENGTH OF SEAM
261-263	10/22/18	PG	A	30	30	1415	1420	P	ENTIRE LENGTH OF SEAM
262-263	10/22/18	PG	A	30	30	1435	1440	P	ENTIRE LENGTH OF SEAM
262-264	10/22/18	PG	A	30	30	1444	1449	P	ENTIRE LENGTH OF SEAM
263-264	10/22/18	PG	A	30	30	1451	1456	P	ENTIRE LENGTH OF SEAM
263-265	10/22/18	PG	A	30	30	1447	1452	P	ENTIRE LENGTH OF SEAM
264-266	10/22/18	PG	A	30	30	1456	1501	P	ENTIRE LENGTH OF SEAM
265-266	10/22/18	PG	A	30	30	1457	1502	P	ENTIRE LENGTH OF SEAM
265-268	10/22/18	PG	A	30	30	1521	1526	P	NEOS TI 19'
265-268	-	-	PATCH	-	-	-	-	-	19' TO SEOS
265-267	10/22/18	PG	A	30	30	1505	1510	P	ENTIRE LENGTH OF SEAM
266-267	10/22/18	PG	A	30	30	1506	1511	P	ENTIRE LENGTH OF SEAM
267-268	10/22/18	PG	A	30	30	1525	1530	P	ENTIRE LENGTH OF SEAM
268-269	10/22/18	PG	A	30	30	1519	1524	P	EEOS TO 10'
268-269	-	-	PATCH	-	-	-	-	-	10' TO 15'

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NON-DESTRUCTIVE TESTING FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH PO	Test Criteria	AIR TEST	Test Criteria	Vacuum Test
PROJECT NO.:	18009	Start Pressure	30 PSI	Vac. Time	10 SEC
MATERIAL TYPE:	40MIL HDPE MICROSPIKE	Test Time	5 MIN	Vac. Pres.	5 PSI
MATERIAL LAYER:	PRIMARY	Accept. Drop	2 PSI		
QC NAME:	CHERYL HINA				

Seam Number	Test Date	Tech Initials	Test Type (A or V)	Air Pressure Test		Time		Test Result (P or F)	Test Locations
				PSI Start	PSI Finish	Start	End		
268-269	10/22/18	PG	A	30	30	1526	1531	P	15' TO WEOS
267-269	10/22/18	PG	A	30	30	1518	1523	P	NEOS TO 165'
267-269	10/22/18	PG	A	30	30	1533	1538	P	165' TO SEOS
269-270	10/22/18	PG	A	30	30	1534	1539	P	ENTIRE LENGTH OF SEAM
269-271	10/22/18	PG	A	30	30	1540	1545	P	NEOS TO 58'
269-271	10/22/18	PG	A	30	30	1550	1555	P	58' TO SEOS
270-271	10/22/18	PG	A	30	30	1541	1546	P	ENTIRE LENGTH OF SEAM
270-272	-	-	PATCH	-	-	-	-	-	NEOS TO 22'
270-272	10/22/18	PG	A	30	30	1537	1542	P	22' TO SEOS
271-272	10/22/18	PG	A	30	30	1549	1554	P	ENTIRE LENGTH OF SEAM
271-273	10/22/18	PG	A	30	30	1557	1602	P	ENTIRE LENGTH OF SEAM
272-273	10/22/18	PG	A	30	30	1559	1604	P	ENTIRE LENGTH OF SEAM
264-265	10/22/18	PG	A	30	30	1446	1451	P	ENTIRE LENGTH OF SEAM
272-274	10/22/18	PG	A	30	30	1608	1613	P	SEOS TO 148'
272-274	10/22/18	PG	A	30	30	1610	1615	P	148' TO NEOS
273-274	10/22/18	PG	A	30	30	1600	1605	P	ENTIRE LENGTH OF SEAM
274-275	-	-	PATCH	-	-	-	-	-	NEOS TO 4'
274-275	10/22/18	PG	A	30	30	1616	1621	P	4' TO SEOS
275-276	10/22/18	PG	A	30	30	1638	1643	P	SEOS TO 61'

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NON-DESTRUCTIVE TESTING FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH PO	Test Criteria	AIR TEST	Test Criteria	Vacuum Test
PROJECT NO.:	18009	Start Pressure	30 PSI	Vac. Time	10 SEC
MATERIAL TYPE:	40MIL HDPE MICROSPIKE	Test Time	5 MIN	Vac. Pres.	5 PSI
MATERIAL LAYER:	PRIMARY	Accept. Drop	2 PSI		
QC NAME:	CHERYL HINA				

Seam Number	Test Date	Tech Initials	Test Type (A or V)	Air Pressure Test		Time		Test Result (P or F)	Test Locations
				PSI Start	PSI Finish	Start	End		
275-276	10/22/18	PG	A	30	30	1641	1646	P	61' TO 77'
275-276	-	-	PATCH	-	-	-	-	-	77' TO 111'
275-276	10/22/18	PG	A	30	30	1647	1652	P	111' TO NEOS
275-277	10/22/18	PG	A	30	30	1620	1625	P	ENTIRE LENGTH OF SEAM
276-277	10/22/18	PG	A	30	30	1628	1633	P	ENTIRE LENGTH OF SEAM
276-278	10/22/18	PG	A	30	30	1631	1636	P	ENTIRE LENGTH OF SEAM
277-278	10/22/18	PG	A	30	30	1622	1627	P	ENTIRE LENGTH OF SEAM
127-260	-	-	PATCH	-	-	-	-	-	-
128-260	10/22/18	PG	A	30	30	1422	1427	P	ENTIRE LENGTH OF SEAM
128-261	-	-	PATCH	-	-	-	-	-	-
129-261	10/22/18	PG	A	30	30	1419	1424	P	ENTIRE LENGTH OF SEAM
130-263	10/22/18	PG	A	30	30	1418	1423	P	ENTIRE LENGTH OF SEAM
131-263	-	-	PATCH	-	-	-	-	-	-
131-265	10/22/18	PG	A	30	30	1406	1411	P	ENTIRE LENGTH OF SEAM
131-268	-	-	PATCH	-	-	-	-	-	-
132-268	10/22/18	PG	A	30	30	1405	1410	P	ENTIRE LENGTH OF SEAM
132-269	-	-	PATCH	-	-	-	-	-	-
134-269	10/22/18	PG	A	30	30	1410	1415	P	ENTIRE LENGTH OF SEAM
134-270	-	-	PATCH	-	-	-	-	-	-

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PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH PO	Test Criteria	AIR TEST	Test Criteria	Vacuum Test
PROJECT NO.:	18009	Start Pressure	30 PSI	Vac. Time	10 SEC
MATERIAL TYPE:	40MIL HDPE MICROSPIKE	Test Time	5 MIN	Vac. Pres.	5 PSI
MATERIAL LAYER:	PRIMARY	Accept. Drop	2 PSI		
QC NAME:	CHERYL HINA				

Seam Number	Test Date	Tech Initials	Test Type (A or V)	Air Pressure Test		Time		Test Result (P or F)	Test Locations
				PSI Start	PSI Finish	Start	End		
135-270	10/22/18	PG	A	30	30	1400	1405	P	ENTIRE LENGTH OF SEAM
137-270	-	-	PATCH	-	-	-	-	-	-
137-272	10/22/18	PG	A	30	30	1351	1356	P	ENTIRE LENGTH OF SEAM
143-274	10/22/18	PG	A	30	30	1350	1355	P	ENTIRE LENGTH OF SEAM
146-274	-	-	PATCH	-	-	-	-	-	-
146-275	10/22/18	PG	A	30	30	1349	1354	P	ENTIRE LENGTH OF SEAM
155-276	10/22/18	PG	A	30	30	1348	1353	P	ENTIRE LENGTH OF SEAM
163-276	-	-	PATCH	-	-	-	-	-	-
163-278	10/22/18	PG	A	30	30	1332	1337	P	ENTIRE LENGTH OF SEAM
278-279	10/23/18	PG	A	30	30	1046	1051	P	ENTIRE LENGTH OF SEAM
279-288	10/23/18	PG	A	30	30	1057	1102	P	ENTIRE LENGTH OF SEAM
288-289	10/23/18	PG	A	30	30	1101	1106	P	ENTIRE LENGTH OF SEAM
279-289	10/23/18	PG	A	30	30	1051	1056	P	ENTIRE LENGTH OF SEAM
289-290	10/23/18	PG	A	30	30	1053	1058	P	ENTIRE LENGTH OF SEAM
288-290	10/23/18	PG	A	30	30	1134	1139	P	ENTIRE LENGTH OF SEAM
280-281	10/23/18	PG	A	30	30	1319	1324	P	ENTIRE LENGTH OF SEAM
281-282	10/23/18	PG	A	30	30	1310	1315	P	ENTIRE LENGTH OF SEAM
282-283	10/23/18	PG	A	30	30	1304	1309	P	ENTIRE LENGTH OF SEAM
283-284	10/23/18	PG	A	30	30	1256	1301	P	ENTIRE LENGTH OF SEAM

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NON-DESTRUCTIVE TESTING FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH PO	Test Criteria	AIR TEST	Test Criteria	Vacuum Test
PROJECT NO.:	18009	Start Pressure	30 PSI	Vac. Time	10 SEC
MATERIAL TYPE:	40MIL HDPE MICROSPIKE	Test Time	5 MIN	Vac. Pres.	5 PSI
MATERIAL LAYER:	PRIMARY	Accept. Drop	2 PSI		
QC NAME:	CHERYL HINA				

Seam Number	Test Date	Tech Initials	Test Type (A or V)	Air Pressure Test		Time		Test Result (P or F)	Test Locations
				PSI Start	PSI Finish	Start	End		
284-286	10/23/18	PG	A	30	30	1248	1253	P	ENTIRE LENGTH OF SEAM
284-285	10/23/18	PG	A	30	30	1253	1258	P	ENTIRE LENGTH OF SEAM
285-286	10/23/18	PG	A	30	30	1241	1246	P	ENTIRE LENGTH OF SEAM
286-287	10/23/18	PG	A	30	30	1240	1245	P	ENTIRE LENGTH OF SEAM
285-287	10/23/18	PG	A	30	30	1242	1247	P	ENTIRE LENGTH OF SEAM
290-291	10/23/18	PG	A	30	30	1124	1129	P	ENTIRE LENGTH OF SEAM
291-294	10/23/18	PG	A	30	30	1114	1119	P	NEOS TO 10'
291-294	-	-	PATCH	-	-	-	-	-	10' TO SEOS
293-294	10/23/18	PG	A	30	30	1113	1118	P	ENTIRE LENGTH OF SEAM
291-293	10/23/18	PG	A	30	30	1115	1120	P	ENTIRE LENGTH OF SEAM
192-193	10/23/18	PG	A	30	30	1120	1125	P	ENTIRE LENGTH OF SEAM
191-192	10/23/18	PG	A	30	30	1122	1127	P	ENTIRE LENGTH OF SEAM
287-292	10/23/18	PG	A	30	30	1144	1149	P	ENTIRE LENGTH OF SEAM
287-291	10/23/18	PG	A	30	30	1143	1148	P	ENTIRE LENGTH OF SEAM
287-290	10/23/18	PG	A	30	30	1140	1145	P	ENTIRE LENGTH OF SEAM
287-288	10/23/18	PG	A	30	30	1135	1140	P	SEOS TO 6'
287-288	10/23/18	PG	A	30	30	1132	1137	P	6' TO NEOS
286-288	10/23/18	PG	A	30	30	1246	1251	P	ENTIRE LENGTH OF SEAM
284-288	10/23/18	PG	A	30	30	1251	1256	P	ENTIRE LENGTH OF SEAM

Electronic Filing: Received, Clerk's Office 08/3/2023
 NON-DESTRUCTIVE TESTING FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH PO	Test Criteria	AIR TEST	Test Criteria	Vacuum Test
PROJECT NO.:	18009	Start Pressure	30 PSI	Vac. Time	10 SEC
MATERIAL TYPE:	40MIL HDPE MICROSPIKE	Test Time	5 MIN	Vac. Pres.	5 PSI
MATERIAL LAYER:	PRIMARY	Accept. Drop	2 PSI		
QC NAME:	CHERYL HINA				

Seam Number	Test Date	Tech Initials	Test Type (A or V)	Air Pressure Test		Time		Test Result (P or F)	Test Locations
				PSI Start	PSI Finish	Start	End		
283-288	10/23/18	PG	A	30	30	1258	1303	P	ENTIRE LENGTH OF SEAM
282-288	10/23/18	PG	A	30	30	1307	1312	P	ENTIRE LENGTH OF SEAM
281-288	10/23/18	PG	A	30	30	1311	1316	P	ENTIRE LENGTH OF SEAM
280-288	10/23/18	PG	A	30	30	1317	1322	P	ENTIRE LENGTH OF SEAM
177-280	10/23/18	PG	A	30	30	1329	1334	P	ENTIRE LENGTH OF SEAM
169-279	10/23/18	PG	A	30	30	1335	1340	P	ENTIRE LENGTH OF SEAM
177-288	10/23/18	PG	A	30	30	1330	1335	P	ENTIRE LENGTH OF SEAM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND	Test Criteria	2P / 2S	2P / 2S
PROJECT NO.:	18009	Fusion Peel	60	60
MATERIAL TYPE:	40MIL HD MICRO SPIKE	Extrus Peel	52	52
MATERIAL LAYER:	PRIMARY	Peel Sep.	25%	25%
QC NAME:	CHERYL HINA	Shear	80	80

Sample I.D.	Seam NO.	Tech Initials	Machn No.	Peel (ppi)					Shear (ppi)					Pass Fail	SAMPLE LOCATION		
				1	2	3	4	5	1	2	3	4	5				
1	3-4	BR	W114	87	86	78	79					103	95			Pass	11' NEOS
2	8-35	JM	W120	94	92	85	86					101	103			Pass	8' EEOS
3	35-37	JM	W120	79	81	74	70					90	98			Pass	148' SEOS
4	33-35	BR	W114	74	89	81	79					102	94			Pass	24' SEOS
5	23-24	JM	W120	79	78	77	75					103	98			Pass	12' EEOS
6	29-30	LH	W118	86	91	78	87					105	99			Pass	280' SEOS
7	17-18	LH	W118	89	89	76	86					101	105			Pass	20' EEOS
8	31-41	BR	W114	84	83	82	83					91	88			Pass	8' WEOS
9	29-48	JM	W120	78	83	76	79					107	101			Pass	150' SEOS
10	48-49	BR	W114	73	87	76	83					98	104			Pass	150' NEOS
11	49-51	LH	W118	-	-	-	-					-	-			Fail	289' SEOS
11A	49-51	LH	W118	89	80	74	87					101	98			Pass	300' SEOS



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND	Test Criteria	2P / 2S	2P / 2S
PROJECT NO.:	18009	Fusion Peel	60	60
MATERIAL TYPE:	40MIL HD MICRO SPIKE	Extrus Peel	52	52
MATERIAL LAYER:	PRIMARY	Peel Sep.	25%	25%
QC NAME:	CHERYL HINA	Shear	80	80

Sample I.D.	Seam NO.	Tech Initials	Machn No.	Peel (ppi)					Shear (ppi)					Pass Fail	SAMPLE LOCATION			
				1	2	3	4	5	1	2	3	4	5					
11B	49-51	LH	W118	89	84	77	86					100	99				Pass	278' SEOS
12	52-53	JM	W120	100	96	94	84					100	95				Pass	10' WEOS
13	52-56	BR	W114	83	81	74	83					100	98				Pass	50' SEOS
14	62-78	BR	W114	73	80	74	72					88	84				Pass	58' SEOS
15	63-82	BR	W114	74	71	78	71					87	80				Pass	14' SEOS
16	63-65	BR	W114	74	80	76	69					92	95				Pass	300' SEOS
17	69-71	BR	W114	73	69	69	71					92	88				Pass	432' NEOS
18	70-71	BR	W114	89	87	85	87					96	86				Pass	6' WEOS
19	56-61	JM	W120	90	96	69	77					101	95				Pass	50' NEOS
20	61-63	LH	W118	81	74	79	77					98	99				Pass	447' SEOS
21	59-62	LH	W118	90	96	88	83					98	93				Pass	5' WEOS
22	74-77	BR	W114	73	74	79	76					97	94				Pass	350' NEOS



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND	Test Criteria	2P / 2S	2P / 2S
PROJECT NO.:	18009	Fusion Peel	60	60
MATERIAL TYPE:	40MIL HD MICRO SPIKE	Extrus Peel	52	52
MATERIAL LAYER:	PRIMARY	Peel Sep.	25%	25%
QC NAME:	CHERYL HINA	Shear	80	80

Sample I.D.	Seam NO.	Tech Initials	Machn No.	Peel (ppi)					Shear (ppi)					Pass Fail	SAMPLE LOCATION		
				1	2	3	4	5	1	2	3	4	5				
23	71-74	JM	W120	75	77	69	70					99	102			Pass	10' SEOS
24	67-68	JM	W120	90	80	76	80					109	104			Pass	15' NEOS
25	76-84	BR	W114	68	65	68	67					83	81			Pass	100' SEOS
26	86-88	BR	W114	72	71	67	66					84	81			Pass	500' SEOS
27	93-94	BR	W114	68	69	67	70					84	82			Pass	6' NEOS
28	85-86	LH	W118	76	67	67	70					82	83			Pass	300' SEOS
29	75-87	LH	W118	68	67	69	65					84	82			Pass	8' NEOS
30	84-85	JM	W120	67	65	69	68					84	87			Pass	200' SEOS
31	88-89	JM	W120	67	66	67	66					82	83			Pass	400' SEOS
32	83-85	JM	W120	72	74	69	72					82	85			Pass	50' MSEOS
33	85-90	JM	W120	74	71	69	68					82	86			Pass	5' WEOS
34	89-95	JM	W120	69	66	72	69					82	82			Pass	370' NEOS



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND	Test Criteria	2P / 2S	2P / 2S
PROJECT NO.:	18009	Fusion Peel	60	60
MATERIAL TYPE:	40MIL HD MICRO SPIKE	Extrus Peel	52	52
MATERIAL LAYER:	PRIMARY	Peel Sep.	25%	25%
QC NAME:	CHERYL HINA	Shear	80	80

Sample I.D.	Seam NO.	Tech Initials	Machn No.	Peel (ppi)					Shear (ppi)					Pass Fail	SAMPLE LOCATION		
				1	2	3	4	5	1	2	3	4	5				
35	89-95	JM	W120	-	-	-	-								Fail	30' SEOS	
36	97-98	JM	W120	67	77	73	72					103	95			Pass	100' NEOS
37	95-96	BR	W114	65	65	68	65					85	81			Pass	450' SEOS
38	98-99	BR	W114	82	87	77	84					84	82			Pass	50' NEOS
39	98-99	BR	W114	73	72	67	72					81	81			Pass	70' SEOS
40	96-97	LH	W118	66	65	65	69					82	84			Pass	150' NEOS
41	96-97	LH	W118	68	69	69	69					84	85			Pass	200' SEOS
42	99-100	LH	W118	-	-	-	-					-	-			Fail	265' SEOS
42A	99-100	LH	W118	71	77	68	69					87	81			Fail	SEOS 254' TO 276'
42B	99-100	LH	W118	75	74	69	72					84	82			Pass	SEOS 276' TO 287'
43	102-103	LH	W118	88	86	89	81					87	83			Pass	60' NEOS
44	102-103	LH	W118	85	73	81	65					84	82			Pass	580' NEOS



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND	Test Criteria	2P / 2S	2P / 2S
PROJECT NO.:	18009	Fusion Peel	60	60
MATERIAL TYPE:	40MIL HD MICRO SPIKE	Extrus Peel	52	52
MATERIAL LAYER:	PRIMARY	Peel Sep.	25%	25%
QC NAME:	CHERYL HINA	Shear	80	80

Sample I.D.	Seam NO.	Tech Initials	Machn No.	Peel (ppi)					Shear (ppi)					Pass Fail	SAMPLE LOCATION			
				1	2	3	4	5	1	2	3	4	5					
45	101-102	BR	W114	86	65	75	69					103	99				Pass	250' NEOS
46	103-104	BR	W114	104	87	77	91					84	82				Pass	90' NEOS
47	103-104	BR	W114	97	88	88	69					82	84				Pass	155' SEOS
35A	89-95	JM	W120	69	66	74	68					82	84				Pass	20' SEOS
35B	89-95	JM	W120	66	68	65	68					84	84				Pass	40' SEOS
27A	92-93	BR	W114	70	68	72	69					87	82				Pass	10' SEOS
27B	93-94	BR	W114	67	69	71	70					84	83				Pass	20' SEOS
42AA	99-100	LH	W118	70	65	67	68					81	83				Pass	SEOS 243' TO 254'
48	100-101	JM	W120	79	82	68	74					95	87				Pass	283' NEOS
42AAA	99-100	LH	W118	69	67	70	68					82	81				Pass	SEOS 232' TO 243'
49	104-105	BR	W114	67	67	68	70					80	85				Pass	79' NEOS
50	104-105	BR	W114	65	65	68	74					81	82				Pass	544' NEOS



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND	Test Criteria	2P / 2S	2P / 2S
PROJECT NO.:	18009	Fusion Peel	60	60
MATERIAL TYPE:	40MIL HD MICRO SPIKE	Extrus Peel	52	52
MATERIAL LAYER:	PRIMARY	Peel Sep.	25%	25%
QC NAME:	CHERYL HINA	Shear	80	80

Sample I.D.	Seam NO.	Tech Initials	Machn No.	Peel (ppi)					Shear (ppi)					Pass Fail	SAMPLE LOCATION			
				1	2	3	4	5	1	2	3	4	5					
51	105-106	JM	W120	61	63	61	64					81	83				Fail	310' SEOS
51A	105-106	JM	W120	69	70	74	68					82	83				Pass	300' SEOS
51B	105-106	JM	W120	68	72	74	69					84	82				Pass	320' SEOS
52	106-107	LH	W118	63	60	62	67					82	84				Pass	58' NEOS
53	106-107	LH	W118	61	63	67	66					84	82				Pass	534' NEOS
54	107-108	BR	W114	62	63	64	66					80	86				Pass	295' SEOS
55	108-109	JM	W120	68	67	71	70					80	83				Pass	52-' NEOS
56	108-109	JM	W120	67	64	68	66					84	81				Pass	540' NEOS
57	109-110	LH	W118	80	70	79	76					91	97				Pass	269' SEOS
58	110-111	BR	W114	64	63	71	68					81	83				Pass	40' NEOS
58A	110-111	BR	W114	63	61	69	69					80	82				Pass	20' NEOS
58AA	110-111	BR	W114	76	61	63	60	69	66			88	91				Pass	10' NEOS



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND	Test Criteria	2P / 2S	2P / 2S
PROJECT NO.:	18009	Fusion Peel	60	60
MATERIAL TYPE:	40MIL HD MICRO SPIKE	Extrus Peel	52	52
MATERIAL LAYER:	PRIMARY	Peel Sep.	25%	25%
QC NAME:	CHERYL HINA	Shear	80	80

Sample I.D.	Seam NO.	Tech Initials	Machn No.	Peel (ppi)					Shear (ppi)					Pass Fail	SAMPLE LOCATION		
				1	2	3	4	5	1	2	3	4	5				
58B	110-111	BR	W114	64	63	67	69					84	82			Pass	50' NEOS
59	110-111	BR	W114	64	66	61	72					82	89			Pass	522' NEOS
60	111-112	JM	W120	69	64	67	68					83	81			Pass	271' SEOS
61	111-112	JM	W120	70	67	69	66					86	90			Pass	693' SEOS
62	112-113	LH	W118	83	76	87	83					91	97			Pass	464' NEOS
63	113-114	BR	W114	66	69	60	75					80	81			Pass	220' SEROS
64	113-114	BR	W114	72	64	72	71					84	87			Pass	700' SEOS
65	114-115	JM	W120	-	-	-	-					-	-			Fail	465' NEOS
65A	114-115	JM	W120	69	62	74	68					81	87			Pass	455' NEOS
65B	114-115	JM	W120	67	64	68	62					82	84			Pass	475' NEOS
66	115-116	LH	W118	66	77	73	75					83	87			Pass	260' SEOS
67	115-116	LH	W118	72	64	76	88					88	96			Pass	696' SEOS



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND	Test Criteria	2P / 2S	2P / 2S
PROJECT NO.:	18009	Fusion Peel	60	60
MATERIAL TYPE:	40MIL HD MICRO SPIKE	Extrus Peel	52	52
MATERIAL LAYER:	PRIMARY	Peel Sep.	25%	25%
QC NAME:	CHERYL HINA	Shear	80	80

Sample I.D.	Seam NO.	Tech Initials	Machn No.	Peel (ppi)					Shear (ppi)					Pass Fail	SAMPLE LOCATION		
				1	2	3	4	5	1	2	3	4	5				
68	116-117	BR	W114	67	66	71	72					80	83			Pass	440' NEOS
69	117-118	JM	W120	68	68	73	60					86	90			Pass	110' SEOS
70	117-118	JM	W120	69	70	81	68					87	94			Pass	588' SEOS
71	118-119	BR	W114	66	66	70	60					80	83			Pass	360' NEOS
72	119-120	LH	W118	64	60	69	60					80	84			Pass	90' SEOS
73	119-120	LH	W118	65	64	69	61					80	82			Pass	585' SEOS
74	120-121	BR	W114	63	67	68	72					81	88			Pass	380' NEOS
75	121-122	BR	W114	62	64	62	61					84	81			Pass	170' NEOS
76	121-122	BR	W114	63	70	69	64					81	87			Fail	610' SEOS
76A	121-122	BR	W114	73	62	76	67					84	86			Pass	600' SEOS
76B	121-122	BR	W114	70	61	74	69					89	82			Pass	620' SEOS
77	122-123	LH	W118	76	74	79	81					86	94			Pass	380' NEOS



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND	Test Criteria	2P / 2S	2P / 2S
PROJECT NO.:	18009	Fusion Peel	60	60
MATERIAL TYPE:	40MIL HD MICRO SPIKE	Extrus Peel	52	52
MATERIAL LAYER:	PRIMARY	Peel Sep.	25%	25%
QC NAME:	CHERYL HINA	Shear	80	80

Sample I.D.	Seam NO.	Tech Initials	Machn No.	Peel (ppi)					Shear (ppi)					Pass Fail	SAMPLE LOCATION			
				1	2	3	4	5	1	2	3	4	5					
78	123-124	JM	W120	74	69	80	73					88	92				Pass	110' SEOS
79	123-124	JM	W120	78	64	81	66					86	96				Pass	610' SEOS
80	124-125	BR	W114	63	62	67	69					80	80				Pass	384' NEOS
81	125-126	LH	W118	75	71	85	70					88	94				Pass	135' SEOS
82	125-126	LH	W118	81	72	75	85					90	97				Pass	635' SEOS
83	126-127	JM	W120	60	64	74	72					81	83				Pass	515' NEOS
84	128-129	JM	W120	77	77	84	82					96	104				Pass	202' SEOS
85	128-129	JM	W120	77	75	81	83					94	102				Pass	650' SEOS
86	129-130	JM	W120	66	79	81	74					93	100				Pass	250' NEOS
87	130-131	JM	W120	80	73	89	69					99	104				Pass	10' NEOS
88	130-131	JM	W120	81	71	76	75					92	101				Pass	250' SEOS
89	127-128	LH	W118	-	-	-	-					-	-				Fail	150' NEOS



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND	Test Criteria	2P / 2S	2P / 2S
PROJECT NO.:	18009	Fusion Peel	60	60
MATERIAL TYPE:	40MIL HD MICRO SPIKE	Extrus Peel	52	52
MATERIAL LAYER:	PRIMARY	Peel Sep.	25%	25%
QC NAME:	CHERYL HINA	Shear	80	80

Sample I.D.	Seam NO.	Tech Initials	Machn No.	Peel (ppi)					Shear (ppi)					Pass Fail	SAMPLE LOCATION		
				1	2	3	4	5	1	2	3	4	5				
89A	127-128	LH	W118	64	60	67	71					84	87			Pass	133' NEOS
89B	127-128	LH	W118	63	61	66	64					82	84			Pass	212' NEOS
90	127-128	LH	W121	-	-	-	-					-	-			Fail	494' SEOS
90A	127-128	LH	W121	67	67	60	64					84	84			Pass	482' NEOS
90B	127-128	LH	W121	63	67	61	65					84	83			Pass	509' NEOS
91	131-132	JM	W120	80	68	93	88					96	104			Pass	300' NEOS
92	132-133	JM	W120	70	79	72	80					95	102			Pass	300' SEOS
93	137-143	JM	W132	68	69	72	64					89	92			Pass	275' NEOS
94A	153-154	JM	W132	74	64	74	61					84	89			Pass	26' WEOS
94B	153-154	JM	W132	70	69	75	64					87	88			Pass	6' WEOS
94	153-154	JM	W132	70	60	74	62					91	95			Pass	16' WEOS
95	146-148	JM	W132	72	81	76	84					89	96			Pass	6' NEOS



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND	Test Criteria	2P / 2S	2P / 2S
PROJECT NO.:	18009	Fusion Peel	60	60
MATERIAL TYPE:	40MIL HD MICRO SPIKE	Extrus Peel	52	52
MATERIAL LAYER:	PRIMARY	Peel Sep.	25%	25%
QC NAME:	CHERYL HINA	Shear	80	80

Sample I.D.	Seam NO.	Tech Initials	Machn No.	Peel (ppi)					Shear (ppi)					Pass Fail	SAMPLE LOCATION			
				1	2	3	4	5	1	2	3	4	5					
96	133-135	LH	W118	84	72	84	72					95	99				Pass	625' SEOS
97	133-138	LH	W118	83	77	88	82					91	97				Pass	5' NEOS
98	169-175	LH	W118	77	90	81	85					99	98				Pass	11' NEOS
99	135-137	JH	W120	75	77	74	83					91	96				Pass	251' SEOS
100	143-146	JH	W120	70	61	78	69					85	90				Pass	500' NEOS
101	155-163	JH	W120	67	64	77	78					85	94				Pass	175' NEOS
102	163-169	JH	W120	75	76	90	72					86	92				Pass	50' NEOS
103	163-166	JH	W120	73	76	80	73					84	89				Pass	6' NEOS
104	94-178	LH	W118	98	76	90	86					130	133				Pass	6' NEOS
105	183-202	LH	W118	-	-	-	-					-	-	-	-	-	Fail	10' WEOS
105A	183-202	LH	W118	97	92	95	102					134	138				Pass	EEOS
105B	184-203	LH	W118	100	102	95	112					131	133				Pass	WEOS



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND	Test Criteria	2P / 2S	2P / 2S
PROJECT NO.:	18009	Fusion Peel	60	60
MATERIAL TYPE:	40MIL HD MICRO SPIKE	Extrus Peel	52	52
MATERIAL LAYER:	PRIMARY	Peel Sep.	25%	25%
QC NAME:	CHERYL HINA	Shear	80	80

Sample I.D.	Seam NO.	Tech Initials	Machn No.	Peel (ppi)					Shear (ppi)					Pass Fail	SAMPLE LOCATION			
				1	2	3	4	5	1	2	3	4	5					
106	203-205	RN	W132	86	78	91	85					126	131				Pass	55' NEOS
107	202-203	JH	W120	94	91	100	101					126	124				Pass	100' SEOS
108	197-198	JH	W120	95	89	100	77					130	96				Pass	16' NEOS
109	208-211	JH	W120	97	83	86	90					117	129				Pass	22' NEOS
110	210-211	LH	W118	128	122	129	132					132	144				Pass	8' WEOS
111	214-216	JH	W120	91	80	91	82					123	121				Pass	36' NEOS
112	216-218	LH	W118	96	88	86	90					116	133				Pass	57' SEOS
113	218-220	LH	W118	83	100	104	92					129	135				Pass	30' NEOS
114	220-226	JH	W120	82	79	103	103					117	125				Pass	50' SEOS
115	107-218	JH	W120	109	98	106	83					129	131				Pass	7' WEOS
116	194-215	LH	W118	100	96	78	98					119	118				Pass	15' EEOS
117	227-234	JH	W120	69	75	82	75					90	100				Pass	52' NEOS



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND	Test Criteria	2P / 2S	2P / 2S
PROJECT NO.:	18009	Fusion Peel	60	60
MATERIAL TYPE:	40MIL HD MICRO SPIKE	Extrus Peel	52	52
MATERIAL LAYER:	PRIMARY	Peel Sep.	25%	25%
QC NAME:	CHERYL HINA	Shear	80	80

Sample I.D.	Seam NO.	Tech Initials	Machn No.	Peel (ppi)					Shear (ppi)					Pass Fail	SAMPLE LOCATION			
				1	2	3	4	5	1	2	3	4	5					
118	235-236	LH	W118	65	65	69	65					87	90				Pass	101' SEOS
119	239-241	JH	W120	65	69	86	81					93	95				Pass	277' SEOS
120	236-239	LH	W118	74	76	88	82					96	100				Pass	327' NEOS
121	240-241	LH	W118	92	105	104	110					119	128				Pass	12' EEOS
122	241-243	LH	W118	74	75	84	81					103	109				Pass	15' SEOS
123	243-245	LH	W118	76	72	80	85					104	108				Pass	198' SEOS
124	247-249	JH	W120	74	75	82	70					93	99				Pass	376' SEOS
125	245-247	LH	W118	101	98	109	91					125	134				Pass	160' SEOS
126	117-247	LH	W118	88	101	106	106					128	132				Pass	12' EEOS
127	249-251	RN	W132	79	90	88	94					123	114				Pass	150' NEOS
128	251-252	RN	W132	93	90	82	79					125	130				Pass	130' SEOS
129 A	119-252	JH	W120	76	72	70	79					109	111				Pass	SEOS



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND	Test Criteria	2P / 2S	2P / 2S
PROJECT NO.:	18009	Fusion Peel	60	60
MATERIAL TYPE:	40MIL HD MICRO SPIKE	Extrus Peel	52	52
MATERIAL LAYER:	PRIMARY	Peel Sep.	25%	25%
QC NAME:	CHERYL HINA	Shear	80	80

Sample I.D.	Seam NO.	Tech Initials	Machn No.	Peel (ppi)					Shear (ppi)					Pass Fail	SAMPLE LOCATION		
				1	2	3	4	5	1	2	3	4	5				
129 B	119-252	JH	W120	77	69	78	77					114	107			Pass	23' SEOS
129 BB	119-252	JH	W120	78	88	82	78					104	107			Pass	NEOS
129BBB	119-152	JH	W120	83	79	81	80					114	121			Pass	10' NEOS
129	119-252	JH	W120	75	70	79	76					110	115			Fail	13' SEOS
130 A	224-227	RN	W132	91	79	94	74					110	113			Pass	EEOS
130 B	224-227	RN	W132	87	84	79	81					107	110			Pass	WEOS
130	224-227	RN	W132	94	98	122	116					119	127			Pass	13' EEOS
131	252-253	JH	W120	83	79	96	76					118	129			Pass	326' NEOS.
132	253-254	LH	W118	80	83	79	80					123	121			Pass	351' NEOS
133	254-255	JH	W120	79	77	87	82					94	97			Pass	147' SEOS
134	255-256	LH	W118	77	74	92	84					115	121			Pass	100' SEOS
135	255-256	JH	W120	83	69	100	100					109	112			Pass	85' NEOS



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND	Test Criteria	2P / 2S	2P / 2S
PROJECT NO.:	18009	Fusion Peel	60	60
MATERIAL TYPE:	40MIL HD MICRO SPIKE	Extrus Peel	52	52
MATERIAL LAYER:	PRIMARY	Peel Sep.	25%	25%
QC NAME:	CHERYL HINA	Shear	80	80

Sample I.D.	Seam NO.	Tech Initials	Machn No.	Peel (ppi)					Shear (ppi)					Pass Fail	SAMPLE LOCATION		
				1	2	3	4	5	1	2	3	4	5				
136A	254-255	JH	W120	75	72	74	77					110	107			Pass	58' NEOS
136B	254-255	JH	W120	76	74	78	72					113	116			Pass	38' NEOS
136AA	254-255	JH	W120	74	83	94	87					98	99			Pass	28' NEOS
136BB	254-255	JH	W120	74	85	96	91					99	105			Pass	18' NEOS
136BBB	254-255	JH	W120	78	84	69	74					121	119			Pass	38' NEOS
136	254-255	JH	W120	69	71	67	70					90	97			Pass	48' NEOS
137	257-258	LH	W118	65	65	65	70					95	89			Pass	407' NEOS
138	258-259	JH	W120	91	65	94	90					117	131			Pass	200' SEOS
139	256-257	JH	W120	83	87	94	83					122	125			Pass	325' NEOS
140	127-259	LH	W118	90	76	93	83					105	107			Pass	17' EEOS
141	259-260	LH	W118	76	85	80	76					123	136			Pass	255' NEOS
142	260-262	JH	W120	76	96	82	93					130	135			Pass	127' NEOS



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND	Test Criteria	2P / 2S	2P / 2S
PROJECT NO.:	18009	Fusion Peel	60	60
MATERIAL TYPE:	40MIL HD MICRO SPIKE	Extrus Peel	52	52
MATERIAL LAYER:	PRIMARY	Peel Sep.	25%	25%
QC NAME:	CHERYL HINA	Shear	80	80

Sample I.D.	Seam NO.	Tech Initials	Machn No.	Peel (ppi)					Shear (ppi)					Pass Fail	SAMPLE LOCATION			
				1	2	3	4	5	1	2	3	4	5					
143	263-264	BR	W133	121	121	104	100					124	123				Pass	10' WEOS
144	263-265	LH	W118	87	85	102	89					127	134				Pass	152' SEOS
145	265-266	LH	W118	123	104	113	106					114	121				Pass	8' EEOS
146	265-267	JH	W120	105	79	97	85					123	127				Pass	285' SEOS
147	267-269	BR	W133	78	71	91	81					101	98				Pass	105' SEOS
148	269-270	JH	W120	90	84	92	85					124	127				Pass	34' NEOS
149	269-271	JH	W120	90	65	93	74					118	126				Pass	16' SEOS
150	271-273	BR	W133	79	80	87	73					100	109				Pass	77' NEOS
151A	275-276	LH	W118	99	73	96	98					101	119				Pass	87' NEOS
151B	275-276	LH	W118	87	70	91	79					101	115				Pass	67' NEOS
151	275-276	LH	W118	-	-	-	-					-	-				Fail	160' NEOS
152	273-274	BR	W133	74	73	79	88					104	112				Pass	125' NEOS



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND	Test Criteria	2P / 2S	2P / 2S
PROJECT NO.:	18009	Fusion Peel	60	60
MATERIAL TYPE:	40MIL HD MICRO SPIKE	Extrus Peel	52	52
MATERIAL LAYER:	PRIMARY	Peel Sep.	25%	25%
QC NAME:	CHERYL HINA	Shear	80	80

Sample I.D.	Seam NO.	Tech Initials	Machn No.	Peel (ppi)					Shear (ppi)					Pass Fail	SAMPLE LOCATION		
				1	2	3	4	5	1	2	3	4	5				
153A	274-275	JH	W120	98	85	82	93					111	119			Pass	50' SEOS
153B	274-275	JH	W120	97	80	80	90					120	124			Pass	30' SEOS
153	274-275	JH	W120	-	-	-	-					-	-			Fail	40' SEOS
154	277-278	BR	W133	104	83	106	79					111	116			Pass	136' NEOS
155	135-270	LH	W118	89	89	104	116					115	119			Pass	4' EEOS
156AA	278-279	BR	W133	80	73	76	79					117	123			Pass	233' SEOS
156A	278-279	BR	W133	83	87	81	90					129	117			Pass	243' SEOS
156BB	278-279	BR	W133	84	79	67	71					121	114			Pass	273' SEOS
156B	278-279	BR	W133	95	93	76	84					111	109			Pass	263' SEOS
156	278-279	BR	W133	104	85	118	86					125	131			Pass	253' SEOS
157	279-289	JH	W120	76	74	80	89					124	126			Pass	89' NEOS
158	289-290	LH	W118	87	104	81	83					123	125			Pass	56' SEOS



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND	Test Criteria	2P / 2S	2P / 2S
PROJECT NO.:	18009	Fusion Peel	60	60
MATERIAL TYPE:	40MIL HD MICRO SPIKE	Extrus Peel	52	52
MATERIAL LAYER:	PRIMARY	Peel Sep.	25%	25%
QC NAME:	CHERYL HINA	Shear	80	80

Sample I.D.	Seam NO.	Tech Initials	Machn No.	Peel (ppi)					Shear (ppi)					Pass Fail	SAMPLE LOCATION			
				1	2	3	4	5	1	2	3	4	5					
159	281-288	BR	W133	98	91	92	99					121	120				Pass	4' NEOS
160	285-286	JH	W120	95	108	108	97					113	116				Pass	10' NEOS
161	292-293	LH	W118	105	96	109	108					110	107				Pass	4' WEOS



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND	Test Criteria	2P / 2S	2P / 2S
PROJECT NO.:	18009	Fusion Peel	60	60
MATERIAL TYPE:	40MIL HD MICRO SPIKE	Extrus Peel	52	52
MATERIAL LAYER:	PRIMARY	Peel Sep.	25%	25%
QC NAME:	CHERYL HINA	Shear	80	80

Sample I.D.	Seam NO.	Tech Initials	Machn No.	Peel (ppi)					Shear (ppi)					Pass Fail	SAMPLE LOCATION	
				1	2	3	4	5	1	2	3	4	5			
162	4-R695	BR	X89	84	102					89	87				Pass	8' WEOS

REPAIR FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND
PROJECT NO.:	18009
MATERIAL TYPE:	40MIL HD MICRO SPIKE
MATERIAL LAYER:	PRIMARY
QC NAME:	CHERYL HINA

Repair No.	Seam / Panel No.	Location of Repairs	Repair Date	Repair Tech	Repair Type*	Repair Time	Repair Size	Vacuum Test Date	Test Tech	Test P/F
1	8-9-10	-	08/18/18	FR	P	0856	2X2	08/27/18	SR	PASS
2	13-14-15	-	08/18/18	JM	P	0816	2X3	08/27/18	SR	PASS
3	16-17	WEOS	08/18/18	JM	P	0837	2X2	08/27/18	SR	PASS
4	18-19-20	-	08/18/18	JM	P	0914	2X2	08/27/18	SR	PASS
5	29-30-31	-	08/18/18	BR	P	0751	2X7	08/27/18	SR	PASS
6	30-31-32	-	08/18/18	BR	P	0741	2X2	08/27/18	SR	PASS
7	32-33-34	-	08/18/18	BR	P	0735	2X2	08/27/18	SR	PASS
8	33-34-36	-	08/18/18	BR	P	0834	2X2	08/27/18	SR	PASS
9	33-35-36	-	08/18/18	BR	P	0847	2X2	08/27/18	SR	PASS
10	35-36-37	-	08/18/18	BR	P	0856	2X2	08/27/18	SR	PASS
11	29-31	40' SEOS	08/18/18	BR	P	0809	2X13	08/27/18	SR	PASS
12	24-25-26	-	08/18/18	BR	P	0916	4X4	08/27/18	SR	PASS
13	1-2-29	-	08/18/18	FR	P	0745	2X2	08/27/18	SR	PASS
14	2-3-29-30	-	08/18/18	FR	P	0750	2X5	08/27/18	SR	PASS
15	3-4-30	-	08/18/18	FR	P	0755	2X2	08/27/18	SR	PASS
16	4-30-32	-	08/18/18	FR	P	0801	2X3	08/27/18	SR	PASS
17	4-5-32	-	08/18/18	FR	P	0809	2X2	08/27/18	SR	PASS
18	5-32	9' WEOS	08/18/18	FR	P	0812	1X2	08/27/18	SR	PASS
19	5-6-32	-	08/18/18	FR	P	0816	1X1	08/27/18	SR	PASS
20	6-32-33	-	08/18/18	FR	P	0818	3X3	08/27/18	SR	PASS
21	6-7-33	-	08/18/18	FR	P	0840	1X1	08/27/18	SR	PASS

* Repair Type: P=Patch, C=Cap, B=Boot, DT=Destruct (with number), W= Weld, (explain any additional repairs)

REPAIR FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND
PROJECT NO.:	18009
MATERIAL TYPE:	40MIL HD MICRO SPIKE
MATERIAL LAYER:	PRIMARY
QC NAME:	CHERYL HINA

Repair No.	Seam / Panel No.	Location of Repairs	Repair Date	Repair Tech	Repair Type*	Repair Time	Repair Size	Vacuum Test Date	Test Tech	Test P/F
22	7-33-35	-	08/18/18	FR	P	0842	1X1	08/27/18	SR	PASS
23	7-8-35	-	08/18/18	FR	P	0844	1X2	08/27/18	SR	PASS
24	8-10-35	-	08/18/18	FR	P	0850	1X2	08/27/18	SR	PASS
25	10-35-37	-	08/18/18	FR	P	0852	2X2	08/27/18	SR	PASS
26	10-11-37	-	08/18/18	JM	P	0753	2X2	08/27/18	SR	PASS
27	11-12-37	-	08/18/18	JM	P	0800	2X2	08/27/18	SR	PASS
28	12-37-38	-	08/18/18	JM	P	0804	2X4	08/27/18	SR	PASS
29	12-13-38	-	08/18/18	JM	P	0807	2X2	08/27/18	SR	PASS
30	13-15-38	-	08/18/18	JM	P	0812	1X1	08/27/18	SR	PASS
31	15-16-38	-	08/18/18	JM	P	0819	1X1	08/27/18	SR	PASS
32	16-38	7' SEOS	08/18/18	JM	P	0821	2X2	08/27/18	SR	PASS
33	16-17-38	-	08/18/18	JM	P	0845	2X2	08/27/18	SR	PASS
34	17-18-38	-	08/18/18	JM	P	0855	2X11	08/27/18	SR	PASS
35	18-20-38	-	08/18/18	JM	P	0859	2X2	08/27/18	SR	PASS
36	3-4	11' EEOS	08/18/18	FR	DT1	0845	2X4	08/27/18	SR	PASS
37	8-35	8' EEOS	08/18/18	FR	DT2	0846	2X3	08/27/18	SR	PASS
38	35-37	148' SEOS	08/18/18	BR	DT3	0852	2X4	08/27/18	SR	PASS
39	17-18	20' EEOS	08/18/18	JM	DT7	0903	2X4	08/27/18	SR	PASS
40	20-21-38	-	08/18/18	JM	P	0926	1X2	08/27/18	SR	PASS
41	21-22-38	-	08/18/18	JM	P	0940	2X2	08/27/18	SR	PASS

* Repair Type: P=Patch, C=Cap, B=Boot, DT=Destruct (with number), W= Weld, (explain any additional repairs)

REPAIR FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND
PROJECT NO.:	18009
MATERIAL TYPE:	40MIL HD MICRO SPIKE
MATERIAL LAYER:	PRIMARY
QC NAME:	CHERYL HINA

Repair No.	Seam / Panel No.	Location of Repairs	Repair Date	Repair Tech	Repair Type*	Repair Time	Repair Size	Vacuum Test Date	Test Tech	Test P/F
42	22-23-38	-	08/18/18	JM	P	0945	2X2	08/27/18	SR	PASS
43	23-37-38	-	08/18/18	BR	P	0902	1X3	08/27/18	SR	PASS
44	23-24-37	-	08/18/18	BR	P	0905	1X2	08/27/18	SR	PASS
45	23-24	12' EEOS	08/18/18	BR	DT5	0910	2X3	08/27/18	SR	PASS
46	24-26-37	-	08/18/18	BR	P	0920	1X2	08/27/18	SR	PASS
47	26-36-37	-	08/18/18	BR	P	0926	1X2	08/27/18	SR	PASS
48	26-27-36	-	08/18/18	BR	P	0927	1X1	08/27/18	SR	PASS
49	27-28-34-36	-	08/18/18	FR	P	0908	2X6	08/27/18	SR	PASS
50	28-34-39	-	08/18/18	FR	P	0910	2X2	08/27/18	SR	PASS
51	33-35	24' SEOS	08/18/18	FR	DT4	0848	2X24	08/27/18	SR	PASS
52	29-30	280' SEOS	08/18/18	BR	DT6	0822	2X3	08/27/18	SR	PASS
53	32-34-39	-	08/18/18	FR	P	0913	2X2	08/27/18	SR	PASS
54	32-39-40	-	08/18/18	FR	P	0915	2X2	08/27/18	SR	PASS
55	31-32-40	-	08/18/18	FR	P	0918	2X2	08/27/18	SR	PASS
56	31-40-41	-	08/18/18	FR	P	0921	2X3	08/27/18	SR	PASS
57	31-41	8' WEOS	08/18/18	FR	DT8	0924	2X4	08/27/18	SR	PASS
58	29-31-41	-	08/18/18	FR	P	0926	2X3	08/27/18	SR	PASS
59	29-41-42-43	-	08/18/18	BR	P	0940	4X4	08/27/18	SR	PASS
60	41-43	17' SEOS	08/18/18	BR	P	0945	2X4	08/27/18	SR	PASS
61	41-43	NEOS TO 9'	08/18/18	BR	P	0950	2X10	08/27/18	SR	PASS

* Repair Type: P=Patch, C=Cap, B=Boot, DT=Destruct (with number), W= Weld, (explain any additional repairs)

REPAIR FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND
PROJECT NO.:	18009
MATERIAL TYPE:	40MIL HD MICRO SPIKE
MATERIAL LAYER:	PRIMARY
QC NAME:	CHERYL HINA

Repair No.	Seam / Panel No.	Location of Repairs	Repair Date	Repair Tech	Repair Type*	Repair Time	Repair Size	Vacuum Test Date	Test Tech	Test P/F
62	15-16	WEOS	08/18/18	JM	P	0832	2X4	08/27/18	SR	PASS
63	17-18	WEOS	08/18/18	JM	P	0909	2X2	08/27/18	SR	PASS
64	45	ON P45	08/23/18	JM	P	0816	1X1+1"X20' BEAD TO R 133	08/27/18	SR	PASS
65	19-20	WEOS	08/18/18	JM	P	0923	2X2	08/27/18	SR	PASS
66	1-29-48	-	08/23/18	JM	P	0927	2X3	08/27/18	SR	PASS
67	29-42-48	-	08/23/18	FR	P	0941	2X2	08/27/18	SR	PASS
68	49-50-51	-	08/23/18	FR	P	1142	2X2	08/27/18	SR	PASS
69	50-51-52	-	08/23/18	FR	P	1045	2X2	08/27/18	SR	PASS
70	51-52-53	-	08/23/18	FR	P	1301	2X2	08/27/18	SR	PASS
71	53-56-57	-	08/23/18	FR	P	1315	2X2	08/27/18	SR	PASS
72	52-53-56	-	08/23/18	FR	P	1251	2X2	08/27/18	SR	PASS
73	56-57-61	1X1+1"X20' BEAD TO R 133	08/23/18	FR	P	1317	2X2	08/27/18	SR	PASS
74	61-62-78-79	-	08/23/18	FR	P	1653	2X2	08/27/18	SR	PASS
75	57-61-62	-	08/23/18	FR	P	1318	2X2	08/27/18	SR	PASS
76	69-70-71	-	08/23/18	BR	P	1119	1X1	08/27/18	SR	PASS
77	70-71-73	-	08/23/18	BR	P	1112	1X1	08/27/18	SR	PASS
78	71-73-74	-	08/23/18	BR	P	1104	2X2	08/27/18	SR	PASS
79	69-71	374' NEOS	08/23/18	BR	P	1151	2X2	08/27/18	SR	PASS
80	74-76-77	-	08/23/18	BR	P	1134	2X2	08/27/18	SR	PASS
81	73-74-76	-	08/23/18	BR	P	1108	2X2	08/27/18	SR	PASS

* Repair Type: P=Patch, C=Cap, B=Boot, DT=Destruct (with number), W= Weld, (explain any additional repairs)

REPAIR FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND
PROJECT NO.:	18009
MATERIAL TYPE:	40MIL HD MICRO SPIKE
MATERIAL LAYER:	PRIMARY
QC NAME:	CHERYL HINA

Repair No.	Seam / Panel No.	Location of Repairs	Repair Date	Repair Tech	Repair Type*	Repair Time	Repair Size	Vacuum Test Date	Test Tech	Test P/F
82	60-64	6' NEOS	08/23/18	JM	P	1126	2X2	08/27/18	SR	PASS
83	69-71	477' NEOS	08/23/18	BR	P	1049	1X2	08/27/18	SR	PASS
84	69-70	5' SEOS	08/23/18	JM	P	1309	2X2	08/27/18	SR	PASS
85	71-74	NEOS	08/23/18	FR	P	1015	2X4	08/27/18	SR	PASS
86	65-69	NEOS	08/23/18	FR	P	1008	2X4	08/27/18	SR	PASS
87	56-61	NEOS	08/23/18	FR	P	1001	2X2	08/27/18	SR	PASS
88	49-50	160' SEOS TO NEOS	08/23/18	FR	P	0915	4X39	08/27/18	SR	PASS
89	48-49	NEOS	08/23/18	FR	P	0930	2X2	08/27/18	SR	PASS
90	48-49	22' NEOS	08/23/18	FR	P	0928	4X4	08/27/18	SR	PASS
91	42-48	12' NEOS	08/23/18	JM	P	0939	2X13	08/27/18	SR	PASS
92	1-47-48	-	08/23/18	JM	P	0930	2X2	08/27/18	SR	PASS
93	45-47-48	-	08/23/18	JM	P	0935	1X2	08/27/18	SR	PASS
94	45-48-49	-	08/23/18	JM	P	0937	1X2	08/27/18	SR	PASS
95	45-46-49	-	08/23/18	JM	P	0943	2X2	08/27/18	SR	PASS
96	46-49-51	-	08/23/18	JM	P	0947	2X2	08/27/18	SR	PASS
97	46-51-54	-	08/23/18	JM	P	0953	2X2	08/27/18	SR	PASS
98	51-53-54	-	08/23/18	JM	P	0958	2X3	08/27/18	SR	PASS
99	53-54-55	-	08/23/18	JM	P	1001	2X2	08/27/18	SR	PASS
100	53-55-57	-	08/23/18	JM	P	1041	2X2	08/27/18	SR	PASS
101	55-57-58	-	08/23/18	JM	P	1045	2X2	08/27/18	SR	PASS

* Repair Type: P=Patch, C=Cap, B=Boot, DT=Destruct (with number), W= Weld, (explain any additional repairs)

REPAIR FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND
PROJECT NO.:	18009
MATERIAL TYPE:	40MIL HD MICRO SPIKE
MATERIAL LAYER:	PRIMARY
QC NAME:	CHERYL HINA

Repair No.	Seam / Panel No.	Location of Repairs	Repair Date	Repair Tech	Repair Type*	Repair Time	Repair Size	Vacuum Test Date	Test Tech	Test P/F
102	57-58-62	-	08/23/18	JM	P	1103	3X4	08/27/18	SR	PASS
103	58-59-62	-	08/23/18	JM	P	1107	2X2	08/27/18	SR	PASS
104	59-62-63-78	-	08/23/18	FR	P	1644	4X6	08/27/18	SR	PASS
105	59-60-63-78	-	08/23/18	JM	P	1118	2X2	08/27/18	SR	PASS
106	60-63-64-65	-	08/23/18	JM	P	1123	2X3	08/27/18	SR	PASS
107	SAME AS 108	-	08/23/18	JM	P	1149	2X3	08/27/18	SR	PASS
108	64-65-66-69	-	08/23/18	JM	P	1149	2X3	08/27/18	SR	PASS
109	66-67-69	-	08/23/18	JM	P	1306	2X2	08/27/18	SR	PASS
110	67-69-70	-	08/23/18	JM	P	1312	2X2	08/27/18	SR	PASS
111	67-68-70	-	08/23/18	JM	P	1329	2X2	08/27/18	SR	PASS
112	68-70-73	-	08/23/18	JM	P	1334	2X4	08/27/18	SR	PASS
113	68-72-73	-	08/23/18	JM	P	1343	2X2	08/27/18	SR	PASS
114	72-73-76	-	08/23/18	JM	P	1350	2X2	08/27/18	SR	PASS
115	72-75-76	-	08/23/18	JM	P	1355	2X3	08/27/18	SR	PASS
116	29-48	150' SEOS	08/23/18	FR	DT9	1312	2X4	08/27/18	SR	PASS
117	48-49	150' NEOS	08/23/18	FR	DT10	0959	2X4	08/27/18	SR	PASS
118	49-51	289- SEOS	08/23/18	FR	DT11 A-B	1114	2X25	08/27/18	SR	PASS
119	52-53	10' WEOS	08/23/18	FR	DT12	1258	2X4	08/27/18	SR	PASS
120	52-56	50' SEOS	08/23/18	FR	DT13	1145	2X4	08/27/18	SR	PASS
121	63-65	300' SEOS	08/23/18	FR	DT16	1130	2X4	08/27/18	SR	PASS

* Repair Type: P=Patch, C=Cap, B=Boot, DT=Destruct (with number), W= Weld, (explain any additional repairs)

REPAIR FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND
PROJECT NO.:	18009
MATERIAL TYPE:	40MIL HD MICRO SPIKE
MATERIAL LAYER:	PRIMARY
QC NAME:	CHERYL HINA

Repair No.	Seam / Panel No.	Location of Repairs	Repair Date	Repair Tech	Repair Type*	Repair Time	Repair Size	Vacuum Test Date	Test Tech	Test P/F
122	69-71	432' NEOS	08/23/18	BR	DT17	1144	2X4	08/27/18	SR	PASS
123	70-71	10' EEOS	08/23/18	BR	DT18	1117	2X4	08/27/18	SR	PASS
124	56-61	50' NEOS	08/23/18	FR	DT19	1029	2X4	08/27/18	SR	PASS
125	61-63	447' SEOS	08/23/18	FR	DT20	1019	2X4	08/27/18	SR	PASS
126	59-62	5' WEOS	08/23/18	JM	DT21	1111	2X4	08/27/18	SR	PASS
127	74-77	350' NEOS	08/23/18	BR	DT22	1153	2X4	08/27/18	SR	PASS
128	71-74	10' SEOS	08/23/18	BR	DT23	1125	2X4	08/27/18	SR	PASS
129	67-68	15' NEOS	08/23/18	JM	DT24	1322	2X4	08/27/18	SR	PASS
130	53-57	23' NEOS	08/23/18	FR	P	1321	2X2	08/27/18	SR	PASS
131	1-44-47	-	08/23/18	JM	P	0921	2X6	08/27/18	SR	PASS
132	44-45	-	08/23/18	JM	P	0836	1"X24'	08/27/18	SR	PASS
133	44-45-47	-	08/23/18	JM	P	0845	2X4	08/27/18	SR	PASS
134	45-46	SEOS	08/23/18	JM	P	0824	2X6	08/27/18	SR	PASS
135	54-55	SEOS	08/23/18	JM	P	1005	2X4	08/27/18	SR	PASS
136	55-58	SEOS	08/23/18	JM	P	1051	2X7	08/27/18	SR	PASS
137	58-59	SEOS	08/23/18	JM	P	1056	2X4	08/27/18	SR	PASS
138	59-60	SEOS	08/23/18	JM	P	1137	2X3	08/27/18	SR	PASS
139	6-64	SEOS	08/23/18	JM	P	1133	2X4	08/27/18	SR	PASS
140	62-78	23' SEOS	08/23/18	FR	P	1651	2X2	08/27/18	SR	PASS
141	62-78	58' SEOS	08/23/18	FR	DT14	1653	2X5	08/27/18	SR	PASS

* Repair Type: P=Patch, C=Cap, B=Boot, DT=Destruct (with number), W= Weld, (explain any additional repairs)

REPAIR FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND
PROJECT NO.:	18009
MATERIAL TYPE:	40MIL HD MICRO SPIKE
MATERIAL LAYER:	PRIMARY
QC NAME:	CHERYL HINA

Repair No.	Seam / Panel No.	Location of Repairs	Repair Date	Repair Tech	Repair Type*	Repair Time	Repair Size	Vacuum Test Date	Test Tech	Test P/F
142	61-63-78-79	-	08/23/18	FR	P	1656	4X4	08/27/18	SR	PASS
143	61-63-79-80	-	08/23/18	FR	P	1712	4X4	08/27/18	SR	PASS
144	61-63-80-81	-	08/23/18	JM	P	1710	4X4	08/27/18	SR	PASS
145	61-63-81-82	-	08/23/18	JM	P	1705	4X4	08/27/18	SR	PASS
146	63-82	14' SEOS	08/23/18	JM	DT15	1655	2X4	08/27/18	SR	PASS
147	61-82	24' SEOS	08/23/18	JM	P	1650	2X4	08/27/18	SR	PASS
148	61-82	40' SEOS	08/23/18	JM	P	1649	2X4	08/27/18	SR	PASS
149	61-63-82	-	08/23/18	JM	P	1640	4X4	08/27/18	SR	PASS
150	49-50	NEOS IN SPILLWAY	09/04/18	FR	BEAD	1105	68'	09/04/18	RB	PASS
151	77-83-84	-	09/05/18	FR	P	1410	2X2	09/10/18	PG	PASS
152	76-77-84	-	09/10/18	JM	P	0907	2X2	09/10/18	PG	PASS
153	83-84-85	-	09/05/18	FR	P	1412	2X2	09/10/18	PG	PASS
154	85-86	678' NEOS	09/10/18	JM	P	0822	2X2	09/10/18	PG	PASS
155	85-86	662' NEOS	09/10/18	JM	P	0824	2X2	09/10/18	PG	PASS
156	85-86	556' NEOS	09/10/18	JM	P	0833	2X7	09/10/18	PG	PASS
157	85-86	505' NEOS	09/10/18	JM	P	0912	2X2	09/10/18	PG	PASS
158	86-88	37' SEOS	09/10/18	JM	P	0818	2X2	09/10/18	PG	PASS
159	84-85	494' SEOS	09/05/18	FR	P	1409	2X2	09/10/18	PG	PASS
160	85-86	41' NEOS	09/05/18	FR	P	1426	2X2	09/10/18	PG	PASS
161	85-86	23' NEOS	09/05/18	FR	P	1428	2X2	09/10/18	PG	PASS

* Repair Type: P=Patch, C=Cap, B=Boot, DT=Destruct (with number), W= Weld, (explain any additional repairs)

REPAIR FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND
PROJECT NO.:	18009
MATERIAL TYPE:	40MIL HD MICRO SPIKE
MATERIAL LAYER:	PRIMARY
QC NAME:	CHERYL HINA

Repair No.	Seam / Panel No.	Location of Repairs	Repair Date	Repair Tech	Repair Type*	Repair Time	Repair Size	Vacuum Test Date	Test Tech	Test P/F
162	85-86	11' NEOS	09/10/18	BR	P	1015	2X11	09/10/18	PG	PASS
163	86-88	NEOS	09/10/18	BR	P	1051	2X12	09/10/18	PG	PASS
164	88-89	NEOS	09/10/18	BR	P	1100	2X5	09/10/18	PG	PASS
165	89-95	NEOS	09/10/18	BR	P	1110	2X5	09/10/18	PG	PASS
166	76-84	100' SEOS	09/10/18	JM	DT25	0840	2X4	09/10/18	PG	PASS
167	86-88	500' SEOS	09/05/18	FR	DT26	1405	2X4	09/10/18	PG	PASS
168	93-94	6' NEOS	09/10/18	JM	DT27	0805	2X15	09/10/18	PG	PASS
169	85-86	300' SEOS	09/05/18	FR	DT28	1341	2X4	09/10/18	PG	PASS
170	75-87	8' NEOS	09/05/18	JM	DT29	1357	2X4	09/10/18	PG	PASS
171	84-85	200' SEOS	09/10/18	JM	DT30	0857	2X4	09/10/18	PG	PASS
172	88-89	400' SEOS	09/05/18	FR	DT31	1359	2X4	09/10/18	PG	PASS
173	83-85	50' NEOS	09/05/18	FR	DT32	1416	2X4	09/10/18	PG	PASS
174	85-90	5' WEOS	09/05/18	JM	DT33	1432	2X4	09/10/18	PG	PASS
175	75-76-84	-	09/05/18	JM	P	1342	2X5	09/10/18	PG	PASS
176	75-84-87	-	09/05/18	JM	P	1350	2X4	09/10/18	PG	PASS
177	84-85-87	-	09/05/18	JM	P	1410	6X10	09/10/18	PG	PASS
178	85-87-90	-	09/05/18	JM	P	1428	2X3	09/10/18	PG	PASS
179	85-86-90-91	-	09/05/18	JM	P	1509	2X2	09/10/18	PG	PASS
180	86-88-91-92	-	09/05/18	JM	P	1523	4X4	09/10/18	PG	PASS
181	88-92-93	-	09/05/18	JM	P	1546	2X2	09/10/18	PG	PASS

* Repair Type: P=Patch, C=Cap, B=Boot, DT=Destruct (with number), W= Weld, (explain any additional repairs)

REPAIR FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND
PROJECT NO.:	18009
MATERIAL TYPE:	40MIL HD MICRO SPIKE
MATERIAL LAYER:	PRIMARY
QC NAME:	CHERYL HINA

Repair No.	Seam / Panel No.	Location of Repairs	Repair Date	Repair Tech	Repair Type*	Repair Time	Repair Size	Vacuum Test Date	Test Tech	Test P/F
182	88-89-93	-	09/05/18	JM	P	1550	1X1	09/10/18	PG	PASS
183	93-94	SEOS	09/10/18	JM	P	1012	2X5	09/10/18	PG	PASS
184	92-93	SEOS	09/10/18	JM	P	1032	3X7	09/10/18	PG	PASS
185	91-92	SEOS	09/05/18	JM	P	1502	2X6	09/10/18	PG	PASS
186	90-91	SEOS	09/05/18	JM	P	1450	2X6	09/10/18	PG	PASS
187	87-90	SEOS	09/05/18	JM	P	1443	2X6	09/10/18	PG	PASS
188	75-87	SEOS	09/05/18	JM	P	1454	2X5	09/10/18	PG	PASS
189	87-90	17' NEOS	09/05/18	JM	P	1436	1X1	09/10/18	PG	PASS
190	88-93	SEAM	09/05/18	JM	BEAD	1548	1"X5'	09/10/18	PG	PASS
191	89-93-94	-	09/05/18	JM	P	1556	2X3	09/10/18	PG	PASS
192	88-89	709' NEOS	09/10/18	JM	P	0810	2X2	09/10/18	PG	PASS
193	95-96	131' SEOS	09/10/18	FR	P	1112	2X4	09/10/18	PG	PASS
194	96-97	NEOS	09/10/18	BR	P	1610	2X4	09/10/18	PG	PASS
195	100-101	519' NEOS	09/10/18	FR	P	1548	2X3	09/10/18	PG	PASS
196	96-97	NEOS 570' TO 577'	09/10/18	FR	P	1101	2X8	09/10/18	PG	PASS
197	96-97	NEOS 642' TO 659'	09/10/18	FR	P	1056	2X10	09/10/18	PG	PASS
198	96-97	670' NEOS	09/10/18	FR	P	1053	2X4	09/10/18	PG	PASS
199	97-98	728' SEOS	09/10/18	FR	P	1530	2X2	09/10/18	PG	PASS
200	98-99	NEOS	09/10/18	BR	P	1623	2X4	09/10/18	PG	PASS
201	98-99	470' NEOS	09/05/18	FR	P	1531	2X2	09/10/18	PG	PASS

* Repair Type: P=Patch, C=Cap, B=Boot, DT=Destruct (with number), W= Weld, (explain any additional repairs)

REPAIR FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND
PROJECT NO.:	18009
MATERIAL TYPE:	40MIL HD MICRO SPIKE
MATERIAL LAYER:	PRIMARY
QC NAME:	CHERYL HINA

Repair No.	Seam / Panel No.	Location of Repairs	Repair Date	Repair Tech	Repair Type*	Repair Time	Repair Size	Vacuum Test Date	Test Tech	Test P/F
202	97-98	NEOS	09/10/18	BR	P	1615	2X2	09/10/18	PG	PASS
203	98-99	NEOS 502' TO 513'	09/10/18	FR	P	0840	2X10	09/10/18	PG	PASS
204	98-99	127' NEOS	09/10/18	FR	P	1515	1X2	09/10/18	PG	PASS
205	98-99	154' NEOS	09/10/18	FR	P	1513	1X2	09/10/18	PG	PASS
206	98-99	234' NEOS	09/10/18	FR	P	1450	1X1	09/10/18	PG	PASS
207	98-99	261' NEOS	09/10/18	FR	P	1442	1X1	09/10/18	PG	PASS
208	98-99	314' NEOS	09/10/18	FR	P	1412	2X4	09/10/18	PG	PASS
209	98-99	428' NEOS	09/10/18	FR	P	1502	2X3	09/10/18	PG	PASS
210	97-98	175' SEOS	09/10/18	FR	P	1302	2X3	09/10/18	PG	PASS
211	101-102	NEOS	09/10/18	BR	P	1656	2X7	09/10/18	PG	PASS
212	101-102	194' NEOS	09/10/18	FR	P	1507	2X2	09/10/18	PG	PASS
213	101-102	320' NEOS	09/10/18	FR	P	1428	2X2	09/10/18	PG	PASS
214	101-102	344' NEOS	09/10/18	FR	P	1421	2X5	09/10/18	PG	PASS
215	101-102	462' NEOS	09/10/18	FR	P	0756	2X9	09/10/18	PG	PASS
216	101-102	488' NEOS	09/10/18	FR	P	0751	2X2	09/10/18	PG	PASS
217	101-102	499' NEOS	09/05/18	FR	P	1602	2X4	09/10/18	PG	PASS
218	100-101	478' NEOS	09/10/18	FR	P	0801	2X2	09/10/18	PG	PASS
219	101-102	592' NEOS	09/10/18	FR	P	1030	2X2	09/10/18	PG	PASS
220	99-100	131' SEOS	09/10/18	FR	P	1644	2X2	09/10/18	PG	PASS
221	99-100	185' SEOS	09/10/18	FR	P	0900	2X2	09/10/18	PG	PASS

* Repair Type: P=Patch, C=Cap, B=Boot, DT=Destruct (with number), W= Weld, (explain any additional repairs)

REPAIR FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND
PROJECT NO.:	18009
MATERIAL TYPE:	40MIL HD MICRO SPIKE
MATERIAL LAYER:	PRIMARY
QC NAME:	CHERYL HINA

Repair No.	Seam / Panel No.	Location of Repairs	Repair Date	Repair Tech	Repair Type*	Repair Time	Repair Size	Vacuum Test Date	Test Tech	Test P/F
222	99-100	214' SEOS	09/05/18	FR	P	1542	2X2	09/10/18	PG	PASS
223	99-100	230' SEOS	09/10/18	FR	P	1538	2X4	09/10/18	PG	PASS
224	99-100	SEOS 284' TO 294'	09/05/18	FR	P	1541	2X5	09/10/18	PG	PASS
225	99-100	306' SEOS	09/05/18	FR	P	1505	1X1	09/10/18	PG	PASS
226	102-103	NEOS	09/10/18	BR	P	1704	2X7	09/10/18	PG	PASS
227	102-103	510' NEOS	09/10/18	FR	P	0841	2X4	09/10/18	PG	PASS
228	102-103	666' NEOS	09/10/18	FR	P	1033	2X4	09/10/18	PG	PASS
229	100-101	164' SEOS	09/10/18	FR	P	1035	2X4	09/10/18	PG	PASS
230	89-95	370' NEOS	09/10/18	FR	DT34	1355	2X4	09/10/18	PG	PASS
231	89-95	30' SEOS	09/10/18	JM	DT35	0814	2X4	09/10/18	PG	PASS
232	97-98	100' NEOS	09/10/18	FR	DT36	1522	2X4	09/10/18	PG	PASS
233	95-96	450' SEOS	09/10/18	FR	DT37	1402	2X4	09/10/18	PG	PASS
234	98-99	50' NEOS	09/10/18	FR	DT38	1525	2X6	09/10/18	PG	PASS
235	98-99	70' SEOS	09/10/18	FR	DT39	1050	2X12	09/10/18	PG	PASS
236	96-97	150' NEOS	09/10/18	FR	DT40	1430	2X4	09/10/18	PG	PASS
237	96-97	200' SEOS	09/10/18	FR	DT41	1108	2X4	09/10/18	PG	PASS
238	99-100	154' TO 276' SEOS	09/10/18	FR	DT42A	0935	2X4	09/10/18	PG	PASS
239	102-103	60' NEOS	09/10/18	FR	DT43	1542	2X4	09/10/18	PG	PASS
240	102-103	580' NEOS	09/10/18	FR	DT44	1023	2X4	09/10/18	PG	PASS
241	101-102	250' NEOS	09/10/18	FR	DT45	1459	2X4	09/10/18	PG	PASS

* Repair Type: P=Patch, C=Cap, B=Boot, DT=Destruct (with number), W= Weld, (explain any additional repairs)

REPAIR FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND
PROJECT NO.:	18009
MATERIAL TYPE:	40MIL HD MICRO SPIKE
MATERIAL LAYER:	PRIMARY
QC NAME:	CHERYL HINA

Repair No.	Seam / Panel No.	Location of Repairs	Repair Date	Repair Tech	Repair Type*	Repair Time	Repair Size	Vacuum Test Date	Test Tech	Test P/F
242	103-104	90' NEOS	09/10/18	FR	DT46	1533	2X4	09/10/18	PG	PASS
243	103-104	155' SEOS	09/10/18	FR	DT47	1021	2X4	09/10/18	PG	PASS
244	89-95	20' SEOS	09/10/18	JM	DT35A	1405	2X13	09/10/18	PG	PASS
245	89-95	40' SEOS	09/10/18	JM	DT35B	1400	2X10	09/10/18	PG	PASS
246	93-94	20' SEOS	09/10/18	JM	DT27B	0805	2X11	09/10/18	PG	PASS
247	92-93	10' SEOS	09/10/18	JM	DT27A	1127	2X4	09/10/18	PG	PASS
248	100-101	446' NEOS	09/05/18	FR	P	1512	2X2	09/10/18	PG	PASS
249	100-101	283' NEOS	09/10/18	FR	DT48	1431	2X6	09/10/18	PG	PASS
250	101-102	211' NEOS	09/10/18	FR	P	1506	1X2	09/10/18	PG	PASS
251	101-102	386' NEOS	09/10/18	FR	P	1429	1X2	09/10/18	PG	PASS
252	101-102	446' NEOS	09/10/18	FR	P	1521	2X3	09/10/18	PG	PASS
253	103-104	497' SEOS	09/10/18	FR	P	1503	2X3	09/10/18	PG	PASS
254	89-94	SEAM	09/05/18	JM	BEAD	1603	1"X10'	09/10/18	PG	PASS
255	86-88	SEAM	09/05/18	JM	BEAD	1538	1"X26'	09/10/18	PG	PASS
256	49-50-52-56-61-63-65-69-71-74-77-83-85-86-88-89		09/10/18	BR	A-TRENCH	0941	4X360	09/10/18	PG	PASS
257	99-100	243' TO 254	09/11/18	FR	DT42AA	1413	2X12	09/11/18	PG	PASS
258	99-100	155' SEOS	09/10/18	FR	P	0920	2X9	09/10/18	PG	PASS
259	87-90-91-92-93-94	-	09/10/18	JM	A-TRENCH	1007	4X105	09/10/18	PG	PASS
260	99-100	SEOS 232' TO 243'	09/12/18	JM	DT42AAA	1413	2X11	09/12/18	PG	PASS
261	96-97	631' NEOS	09/10/18	FR	P	1058	1X1	09/10/18	PG	PASS

* Repair Type: P=Patch, C=Cap, B=Boot, DT=Destruct (with number), W= Weld, (explain any additional repairs)

REPAIR FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND
PROJECT NO.:	18009
MATERIAL TYPE:	40MIL HD MICRO SPIKE
MATERIAL LAYER:	PRIMARY
QC NAME:	CHERYL HINA

Repair No.	Seam / Panel No.	Location of Repairs	Repair Date	Repair Tech	Repair Type*	Repair Time	Repair Size	Vacuum Test Date	Test Tech	Test P/F
262	110	NEOS CENTER OF PANEL	09/17/18	BR	P	0905	2"X28'	09/17/18	PG	PASS
263	99-100	SEOS 276' TO 287'	09/10/18	FR	P	0941	2X12	09/10/18	PG	PASS
264	99-100	NEOS	09/10/18	BR	P	1643	2X6	09/10/18	PG	PASS
265	100-101	NEOS	09/10/18	BR	P	1700	2X7	09/10/18	PG	PASS
266	103-104	NEOS	09/10/18	BR	P	1705	2X7	09/10/18	PG	PASS
267	107-108	573' SEOS	09/17/18	FR	P	0910	2X2	09/17/18	PG	PASS
268	104-105	79' NEOS	09/17/18	BR	DT49	0955	2X4	09/17/18	PG	PASS
269	104-105	544' NEOS	09/17/18	FR	DT50	0812	2X4	09/17/18	PG	PASS
270	105-106	310' SEOS	09/17/18	FR	DT51 A-B	0809	2X4	09/17/18	PG	PASS
271	106-107	58' NEOS	09/17/18	BR	DT52	1000	2X4	09/17/18	PG	PASS
272	106-107	534' NEOS	09/17/18	FR	DT53	0815	2X4	09/17/18	PG	PASS
273	107-108	295' SEOS	09/17/18	FR	DT54	0802	2X4	09/17/18	PG	PASS
274	108-109	52' NEOS	09/17/18	BR	DT55	1007	2X4	09/17/18	PG	PASS
275	108-109	540' NEOS	09/17/18	FR	DT56	0817	2X4	09/17/18	PG	PASS
276	110-111	40' NEOS TO NEOS	09/20/18	FR	DT58A B AA AAA	0755	2X4	09/20/18	PG	PASS
277	106-107	380' NEOS	09/17/18	FR	P	0803	2X2	09/17/18	PG	PASS
278	109-110	NEOS	09/17/18	BR	P	0827	2X4	09/17/18	PG	PASS
279	109-110	269' SEOS	09/17/18	FR	DT57	0825	2X3	09/17/18	PG	PASS
280	109-110	595' SEOS	09/17/18	FR	P	0915	2X2	09/17/18	PG	PASS
281	110-111	522' NEOS	09/17/18	FR	DT59	0821	2X4	09/17/18	PG	PASS

* Repair Type: P=Patch, C=Cap, B=Boot, DT=Destruct (with number), W= Weld, (explain any additional repairs)

REPAIR FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND
PROJECT NO.:	18009
MATERIAL TYPE:	40MIL HD MICRO SPIKE
MATERIAL LAYER:	PRIMARY
QC NAME:	CHERYL HINA

Repair No.	Seam / Panel No.	Location of Repairs	Repair Date	Repair Tech	Repair Type*	Repair Time	Repair Size	Vacuum Test Date	Test Tech	Test P/F
282	110-111	NEOS	09/17/18	BR	P	0937	1"X17'	09/17/18	PG	PASS
283	111-112	271' SEOS	09/17/18	FR	DT60	0841	2X4	09/17/18	PG	PASS
284	113-114	26' NEOS & 6' WEST ON 113	09/17/18	BR	P	1054	1X1	09/17/18	PG	PASS
285	113-114	19' NEOS & 6' WEST ON 113	09/17/18	BR	P	1100	1X1	09/17/18	PG	PASS
286	113-114	12' NEOS & 6' WEST ON 113	09/17/18	BR	P	1102	1X1	09/17/18	PG	PASS
287	113-114	4' NEOS & 6' WEST ON 113	09/17/18	BR	P	1105	1X1	09/17/18	PG	PASS
288	111-112	693' SEOS	09/17/18	BR	DT61	1027	2X4	09/17/18	PG	PASS
289	112-113	464' NEOS	09/17/18	FR	DT62	0855	2X4	09/17/18	PG	PASS
290	113-114	220' SEOS	09/17/18	FR	DT63	1248	2X4	09/17/18	PG	PASS
291	113-114	700' SEOS	09/17/18	BR	DT64	1109	2X4	09/17/18	PG	PASS
292	114-115	NEOS 455' to 475'	09/17/18	FR	DT65AB	1352	2X22	09/17/18	PG	PASS
293	115-116	32' SEOS	09/17/18	FR	P	1135	2X2	09/17/18	PG	PASS
294	115-116	260' SEOS	09/17/18	FR	DT66	1140	2X4	09/17/18	PG	PASS
295	115-116	696' SEOS	09/17/18	BR	DT67	1115	2X4	09/17/18	PG	PASS
296	116-117	440' NEOS	09/17/18	FR	DT68	1318	2X4	09/17/18	PG	PASS
297	116-117	266' NEOS	09/17/18	FR	P	101	1X2	09/17/18	PG	PASS
298	110-111	NEOS 23' TO 28'	09/17/18	BR	P	0939	2X8	09/17/18	PG	PASS
299	117-118	7' NEOS & 6' WEST ON 117	09/17/18	BR	P	1150	1X1	09/17/18	PG	PASS
300	118-119	555' SEOS	09/17/18	FR	P	1120	1X2	09/17/18	PG	PASS
301	116-117	167' NEOS	09/17/18	FR	P	0921	1X2	09/17/18	PG	PASS

* Repair Type: P=Patch, C=Cap, B=Boot, DT=Destruct (with number), W= Weld, (explain any additional repairs)

REPAIR FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND
PROJECT NO.:	18009
MATERIAL TYPE:	40MIL HD MICRO SPIKE
MATERIAL LAYER:	PRIMARY
QC NAME:	CHERYL HINA

Repair No.	Seam / Panel No.	Location of Repairs	Repair Date	Repair Tech	Repair Type*	Repair Time	Repair Size	Vacuum Test Date	Test Tech	Test P/F
302	120-121	NEOS	09/17/18	BR	P	1309	2X4	09/17/18	PG	PASS
303	120-121	17' NEOS	09/17/18	BR	P	1304	1X3	09/17/18	PG	PASS
304	119-120	487' SEOS	09/17/18	FR	P	0943	1X2	09/17/18	PG	PASS
305	117-118	110' SEOS	09/17/18	FR	DT69	1130	2X4	09/17/18	PG	PASS
306	117-118	588' SEOS	09/17/18	FR	DT70	0924	2X4	09/17/18	PG	PASS
307	118-119	360' NEOS	09/17/18	FR	DT71	1004	2X4	09/17/18	PG	PASS
308	119-120	90' SEOS	09/17/18	FR	DT72	1125	2X4	09/17/18	PG	PASS
309	119-120	585' SEOS	09/17/18	BR	DT73	1339	2X4	09/17/18	PG	PASS
310	120-121	380' NEOS	09/19/18	FR	DT74	0840	2X25	09/19/18	PG	PASS
311	121-122	170' NEOS	09/17/18	FR	DT75	1115	2X4	09/17/18	PG	PASS
312	121-122	SEOS 598' TO 625'	09/20/18	FR	DT76AB	0830	2X25	09/20/18	PG	PASS
313	122-123	380' NEOS	09/17/18	FR	DT77	1018	2X4	09/17/18	PG	PASS
314	123-124	110' SEOS	09/17/18	FR	DT78	1111	2X4	09/17/18	PG	PASS
315	123-124	610' SEOS	09/17/18	BR	DT79	1330	2X4	09/17/18	PG	PASS
316	124-125	384' NEOS	09/17/18	FR	DT80	1042	2X4	09/17/18	PG	PASS
317	125-126	135' SEOS	09/17/18	FR	DT81	1101	2X4	09/17/18	PG	PASS
318	125-126	635' SEOS	09/17/18	BR	DT82	1326	2X4	09/17/18	PG	PASS
319	126-127	515' NEOS	09/17/18	FR	DT83	1054	2X4	09/17/18	PG	PASS
320	108-109	95' NEOS	09/17/18	BR	P	1046	1X1	09/17/18	PG	PASS
321	104-105	NEOS	09/17/18	BR	P	0752	2X4	09/17/18	PG	PASS

* Repair Type: P=Patch, C=Cap, B=Boot, DT=Destruct (with number), W= Weld, (explain any additional repairs)

REPAIR FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND
PROJECT NO.:	18009
MATERIAL TYPE:	40MIL HD MICRO SPIKE
MATERIAL LAYER:	PRIMARY
QC NAME:	CHERYL HINA

Repair No.	Seam / Panel No.	Location of Repairs	Repair Date	Repair Tech	Repair Type*	Repair Time	Repair Size	Vacuum Test Date	Test Tech	Test P/F
322	107-108	NEOS	09/17/18	BR	P	0758	2X4	09/17/18	PG	PASS
323	108-109	NEOS	09/17/18	BR	P	0800	2X4	09/17/18	PG	PASS
324	111-112	NEOS	09/17/18	BR	P	1033	2X4	09/17/18	PG	PASS
325	112-113	NEOS	09/17/18	BR	P	1038	2X4	09/17/18	PG	PASS
326	113-114	NEOS	09/17/18	BR	P	1141	2X4	09/17/18	PG	PASS
327	114-115	NEOS	09/17/18	BR	P	1125	2X4	09/17/18	PG	PASS
328	123-124	728' NEOS & 15' WEST ON 123	09/17/18	BR	P	1315	1X1	09/17/18	PG	PASS
329	116-117	NEOS	09/17/18	BR	P	1133	2X4	09/17/18	PG	PASS
330	126-127	NEOS	09/17/18	BR	P	1322	2X4	09/17/18	PG	PASS
331	105-106	299' SEOS	09/17/18	FR	DT51A	1425	2X11	09/17/18	PG	PASS
332	105-106	320' SEOS	09/17/18	FR	DT51B	1425	2X11	09/17/18	PG	PASS
333	128-129	202' SEOS	09/25/18	PG	DT84	0943	2X2	09/17/18	PG	PASS
334	128-129	650' SEOS	09/25/18	LH	DT85	0807	2X2	09/17/18	PG	PASS
335	129-130	250' NEOIS	09/25/18	LH	DT86	0856	2X2	09/17/18	PG	PASS
336	130-131	10' NEOS	09/25/18	LH	DT87	0830	2X2	09/17/18	PG	PASS
337	130-131	250' SEOS	09/25/18	LH	DT88	0916	2X2	09/17/18	PG	PASS
338	127-128	134' TO 213' SEOS	09/25/18	PG	DT89A B	0900	2X22	09/17/18	PG	PASS
339	127-128	483' TO 510' SEOS	09/25/18	LH	DT90A B	1002	2X22	09/17/18	PG	PASS
340	131-132	300' NEOS	09/25/18	LH	DT91	0843	2X2	09/17/18	PG	PASS
341	132-133	30' SEOS	09/25/18	LH	DT92	0905	2X2	09/17/18	PG	PASS

* Repair Type: P=Patch, C=Cap, B=Boot, DT=Destruct (with number), W= Weld, (explain any additional repairs)

REPAIR FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND
PROJECT NO.:	18009
MATERIAL TYPE:	40MIL HD MICRO SPIKE
MATERIAL LAYER:	PRIMARY
QC NAME:	CHERYL HINA

Repair No.	Seam / Panel No.	Location of Repairs	Repair Date	Repair Tech	Repair Type*	Repair Time	Repair Size	Vacuum Test Date	Test Tech	Test P/F
342	127-128	229' SEOS	09/25/18	PG	P	0925	2X2	09/17/18	PG	PASS
343	127-128	265' SEOS	09/25/18	PG	P	0931	2X2	09/17/18	PG	PASS
344	127-128	292' SEOS	09/25/18	PG	P	0935	2X2	09/17/18	PG	PASS
345	127-128	302' SEOS	09/25/18	PG	P	0940	2X2	09/17/18	PG	PASS
346	127-128	319' SEOS	09/25/18	PG	P	0955	2X2	09/17/18	PG	PASS
347	127-128	327' SEOS	09/25/18	PG	P	0958	2X2	09/17/18	PG	PASS
348	127-128	361' SEOS	09/25/18	LH	P	1050	2X2	09/17/18	PG	PASS
349	127-128	400' SEOS	09/25/18	LH	P	1044	2X2	09/17/18	PG	PASS
350	127-128	433' TO 450' SEOS	09/25/18	LH	P	1036	2X2	09/17/18	PG	PASS
351	127-128	455' SEOS	09/25/18	LH	P	1020	2X2	09/17/18	PG	PASS
352	119-120	NEOS	09/25/18	LH	P	1115	2X2	09/17/18	PG	PASS
353	127-128	NEOS	09/25/18	LH	P	0800	2X2	09/17/18	PG	PASS
354	132-133-134	-	09/29/18	PG	P	1310	2X3	09/29/18	PG	PASS
355	133-134-135	-	09/29/18	PG	P	1305	2X2	09/29/18	PG	PASS
356	133-136-138	-	09/29/18	PG	P	0808	2X2	09/29/18	PG	PASS
357	133-135-136	-	09/29/18	PG	P	0813	2X3	09/29/18	PG	PASS
358	137-143	275' NEOS	09/29/18	PG	DT93	1003	2X4	09/29/18	PG	PASS
359	153-154	6' WEOS TO 26'	09/29/18	JH	DT94A B	0951	2X22	10/03/18	PG	PASS
360	146-148	6' NEOS	09/29/18	JH	DT95	0915	2X4	09/29/18	PG	PASS
361	133-135	625' SEOS	09/29/18	PG	DT96	1254	2X4	09/29/18	PG	PASS

* Repair Type: P=Patch, C=Cap, B=Boot, DT=Destruct (with number), W= Weld, (explain any additional repairs)

REPAIR FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND
PROJECT NO.:	18009
MATERIAL TYPE:	40MIL HD MICRO SPIKE
MATERIAL LAYER:	PRIMARY
QC NAME:	CHERYL HINA

Repair No.	Seam / Panel No.	Location of Repairs	Repair Date	Repair Tech	Repair Type*	Repair Time	Repair Size	Vacuum Test Date	Test Tech	Test P/F
362	133-138	5' NEOS	09/29/18	PG	DT97	0906	2X4	09/29/18	PG	PASS
363	169-175	11' NEOS	09/29/18	JH	DT98	1200	2X4	09/29/18	PG	PASS
364	135-137	251' SEOS	09/29/18	PG	DT99	1042	2X4	09/29/18	PG	PASS
365	143-146	500' NEOS	09/29/18	PG	DT100	0929	2X4	09/29/18	PG	PASS
366	155-163	175' NEOIS	09/29/18	PG	DT101	1055	2X4	09/29/18	PG	PASS
367	163-169	50' NEOS	09/29/18	PG	DT102	1106	2X4	09/29/18	PG	PASS
368	163-166	6' NEOS	09/29/18	JH	DT103	1103	2X4	09/29/18	PG	PASS
369	135-136-139	-	09/29/18	PG	P	0818	3X3	09/29/18	PG	PASS
370	135-137-139	-	09/29/18	PG	P	0823	1X2	09/29/18	PG	PASS
371	137-139-140	-	09/29/18	PG	P	0827	2X2	09/29/18	PG	PASS
372	137-140-141-143	-	09/29/18	PG	P	0834	2X4	09/29/18	PG	PASS
373	141-142-143	-	09/29/18	JH	P	0834	2X2	09/29/18	PG	PASS
374	142-143-145	-	09/29/18	JH	P	0839	2X2	09/29/18	PG	PASS
375	142-144-145	-	09/29/18	JH	P	0849	2X2	09/29/18	PG	PASS
376	143-145-146	-	09/29/18	PG	P	0852	3X4	09/29/18	PG	PASS
377	145-146-147	-	09/29/18	JH	P	0900	3X4	09/29/18	PG	PASS
378	147-148	13' WEOS	09/29/18	JH	P	0811	1X1	09/29/18	PG	PASS
379	147-148	16' WEOS & 13' SOUTH ON 148	09/29/18	JH	P	0856	1X3	09/29/18	PG	PASS
380	146-148-149	-	09/29/18	JH	P	0917	2X2	09/29/18	PG	PASS
381	146-149-150	-	09/29/18	JH	P	0928	2X2	09/29/18	PG	PASS

* Repair Type: P=Patch, C=Cap, B=Boot, DT=Destruct (with number), W= Weld, (explain any additional repairs)

REPAIR FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND
PROJECT NO.:	18009
MATERIAL TYPE:	40MIL HD MICRO SPIKE
MATERIAL LAYER:	PRIMARY
QC NAME:	CHERYL HINA

Repair No.	Seam / Panel No.	Location of Repairs	Repair Date	Repair Tech	Repair Type*	Repair Time	Repair Size	Vacuum Test Date	Test Tech	Test P/F
382	146-150-151	-	09/29/18	JH	P	0929	1X1	09/29/18	PG	PASS
383	146-151-152	-	09/29/18	JH	P	0934	2X2	09/29/18	PG	PASS
384	146-152-153	-	09/29/18	JH	P	0941	2X2	09/29/18	PG	PASS
385	146-153-154	-	09/29/18	JH	P	0945	2X2	09/29/18	PG	PASS
386	146-154-155	-	09/29/18	PG	P	0948	3X4	09/29/18	PG	PASS
387	154-155-156	-	09/29/18	JH	P	0958	2X3	09/29/18	PG	PASS
388	155-156-157	-	09/29/18	JH	P	1000	2X2	09/29/18	PG	PASS
389	155-157-158	-	09/29/18	JH	P	1024	2X2	09/29/18	PG	PASS
390	155-158-159	-	09/29/18	PG	P	1014	1X1	09/29/18	PG	PASS
391	155-159-160	-	09/29/18	PG	P	1018	2X3	09/29/18	PG	PASS
392	155-160-161	-	09/29/18	JH	P	1033	1X2	09/29/18	PG	PASS
393	155-161-162	-	09/29/18	JH	P	1038	2X3	09/29/18	PG	PASS
394	155-162-163	-	09/29/18	PG	P	1032	3X4	09/29/18	PG	PASS
395	162-163-164	-	09/29/18	JH	P	1047	4X4	09/29/18	PG	PASS
396	163-164-165	-	09/29/18	JH	P	1055	2X2	09/29/18	PG	PASS
397	163-165-166	-	09/29/18	JH	P	1056	4X4	09/29/18	PG	PASS
398	163-166-167	-	09/29/18	JH	P	1104	2X2	09/29/18	PG	PASS
399	163-167-168	-	09/29/18	JH	P	1109	1X1	09/29/18	PG	PASS
400	163-168-169	-	09/29/18	JH	P	1128	3X8	09/29/18	PG	PASS
401	168-169-170	-	09/29/18	JH	P	1144	2X6	09/29/18	PG	PASS

* Repair Type: P=Patch, C=Cap, B=Boot, DT=Destruct (with number), W= Weld, (explain any additional repairs)

REPAIR FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND
PROJECT NO.:	18009
MATERIAL TYPE:	40MIL HD MICRO SPIKE
MATERIAL LAYER:	PRIMARY
QC NAME:	CHERYL HINA

Repair No.	Seam / Panel No.	Location of Repairs	Repair Date	Repair Tech	Repair Type*	Repair Time	Repair Size	Vacuum Test Date	Test Tech	Test P/F
402	169-170-171	-	09/29/18	JH	P	1149	1X1	09/29/18	PG	PASS
403	169-171-172	-	09/29/18	PG	P	1140	2X4	09/29/18	PG	PASS
404	169-172-173	-	09/29/18	PG	P	1142	2X2	09/29/18	PG	PASS
405	169-173-174	-	09/29/18	PG	P	1145	2X2	09/29/18	PG	PASS
406	169-174-175	-	09/29/18	JH	P	1158	1X1	09/29/18	PG	PASS
407	169-175-176	-	09/29/18	JH	P	1249	2X2	09/29/18	PG	PASS
408	175-176	EEOS TO 7'	09/29/18	JH	P	1252	2X7	09/29/18	PG	PASS
409	176-177	25' WEOS	09/29/18	JH	P	1310	2X2	09/29/18	PG	PASS
410	169-176-177	-	09/29/18	JH	P	1301	2X4	09/29/18	PG	PASS
411	146-147-148	-	09/29/18	JH	P	0905	2X2	09/29/18	PG	PASS
412	152-153	EEOS	09/29/18	JH	P	1017	2X2	09/29/18	PG	PASS
413	169-172	1' SEOS & 4' WEST ON 169	09/29/18	PG	P	1133	2X2	09/29/18	PG	PASS
414	94-178	SEOS	10/25/18	BR	P	0857	3X4	10/25/18	PG	PASS
415	188-189	6' SEOS	10/25/18	JV	P	0815	2X6	10/25/18	PG	PASS
416	189-190	25' SEOS	10/25/18	JV	P	0759	2X3	10/25/18	PG	PASS
417	197-198	4' SEOS	10/25/18	JV	P	1030	2X9	10/25/18	PG	PASS
418	190-191	9' SEOS	10/25/18	JV	P	1038	2X4	10/25/18	PG	PASS
419	190-191	SEOS 22' TO 29'	10/25/18	JV	P	1030	2X8	10/25/18	PG	PASS
420	203-205-206	-	10/24/18	JV	P	1628	2X6	10/25/18	PG	PASS
421	89-94-199	-	10/25/18	BR	P	0835	2X3	10/25/18	PG	PASS

* Repair Type: P=Patch, C=Cap, B=Boot, DT=Destruct (with number), W= Weld, (explain any additional repairs)

REPAIR FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND
PROJECT NO.:	18009
MATERIAL TYPE:	40MIL HD MICRO SPIKE
MATERIAL LAYER:	PRIMARY
QC NAME:	CHERYL HINA

Repair No.	Seam / Panel No.	Location of Repairs	Repair Date	Repair Tech	Repair Type*	Repair Time	Repair Size	Vacuum Test Date	Test Tech	Test P/F
422	200-201	75' SEOS	10/24/18	BR	P	1636	2X5	10/25/18	PG	PASS
423	94-178-199	-	10/25/18	BR	P	0845	2X5	10/25/18	PG	PASS
424	178-179-199	-	10/25/18	BR	P	0902	1X1	10/25/18	PG	PASS
425	179-199-200	-	10/25/18	BR	P	0906	1X1	10/25/18	PG	PASS
426	179-180-200	-	10/25/18	BR	P	0915	1X2	10/25/18	PG	PASS
427	180-181-200-201	-	10/25/18	BR	P	0919	1X3	10/25/18	PG	PASS
428	181-182-201	-	10/25/18	BR	P	0932	1X1	10/25/18	PG	PASS
429	182-201-202	-	10/25/18	BR	P	0940	2X10	10/25/18	PG	PASS
430	182-183-202	-	10/25/18	BR	P	0948	2X2	10/25/18	PG	PASS
431	183-184-202-203-204	-	10/25/18	BR	P	1008	2X10	10/25/18	PG	PASS
432	184-185-204	-	10/25/18	JV	P	0843	1X2	10/25/18	PG	PASS
433	185-204-206	-	10/25/18	JV	P	0840	1X1	10/25/18	PG	PASS
434	185-186-206	-	10/25/18	JV	P	0838	1X1	10/25/18	PG	PASS
435	203-204-206	-	10/25/18	JV	P	0850	2X3	10/25/18	PG	PASS
436	204-206	6' NEOS	10/25/18	JV	P	0845	1X1	10/25/18	PG	PASS
437	203-206	16' NEOS	10/24/18	JV	P	1640	1X3	10/25/18	PG	PASS
438	203-205	72' NEOS	10/24/18	JV	P	1650	2X2	10/25/18	PG	PASS
439	95-199	ENTIRE SEAM	10/25/18	BR	P	0828	2X22	10/25/18	PG	PASS
440	95-96-199-200	WEOS TO 7/96-200	10/25/18	BR	CAP	0828	2X22	10/25/18	PG	PASS
441	96-97-200-201	-	10/24/18	BR	P	1634	1X2	10/25/18	PG	PASS

* Repair Type: P=Patch, C=Cap, B=Boot, DT=Destruct (with number), W= Weld, (explain any additional repairs)

REPAIR FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND
PROJECT NO.:	18009
MATERIAL TYPE:	40MIL HD MICRO SPIKE
MATERIAL LAYER:	PRIMARY
QC NAME:	CHERYL HINA

Repair No.	Seam / Panel No.	Location of Repairs	Repair Date	Repair Tech	Repair Type*	Repair Time	Repair Size	Vacuum Test Date	Test Tech	Test P/F
442	97-98-201-202	-	10/24/18	BR	P	1628	1X2	10/25/18	PG	PASS
443	98-99-202-203	-	10/24/18	BR	P	1626	2X2	10/25/18	PG	PASS
444	99-100-203-205	-	10/24/18	BR	P	1624	3X3	10/25/18	PG	PASS
445	94-178	6' NEOS	10/25/18	BR	DT104	0850	2X4	10/25/18	PG	PASS
446	183-202	10' WEOS	10/25/18	BR	DT105A B	1005	2X24	10/25/18	PG	PASS
447	203-205	55' NEOS	10/24/18	BR	DT106	1640	2X4	10/25/18	PG	PASS
448	202-203	100' SEOS	10/24/18	BR	DT107	1638	2X4	10/25/18	PG	PASS
449	197-198	16' NEOS	10/24/18	BR	DT108	0901	2X4	10/25/18	PG	PASS
450	205-206-207	-	10/24/18	JV	P	1617	2X3	10/25/18	PG	PASS
451	207-208-209	-	10/24/18	JV	P	1540	2X4	10/25/18	PG	PASS
452	207-208	114' SEOS	10/24/18	JV	P	1608	2X2	10/25/18	PG	PASS
453	207-208	131' SEOS	10/24/18	JV	P	1614	2X3	10/25/18	PG	PASS
454	208-210-211	-	10/24/18	JV	P	1553	1X1	10/25/18	PG	PASS
455	208-209-211	-	10/24/18	JV	P	1530	1X1	10/25/18	PG	PASS
456	211-212-213	-	10/24/18	JV	P	1505	2X2	10/25/18	PG	PASS
457	210-211-212	-	10/24/18	JV	P	1544	2X2	10/25/18	PG	PASS
458	212-214-215	-	10/24/18	JV	P	1452	1X1	10/25/18	PG	PASS
459	212-213-215	-	10/24/18	JV	P	1500	1X2	10/25/18	PG	PASS
460	208-211	22' NEOS	10/24/18	JV	DT109	1605	2X4	10/25/18	PG	PASS
461	210-211	8' WEOS	10/24/18	JV	DT110	1550	2X4	10/25/18	PG	PASS

* Repair Type: P=Patch, C=Cap, B=Boot, DT=Destruct (with number), W= Weld, (explain any additional repairs)

REPAIR FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND
PROJECT NO.:	18009
MATERIAL TYPE:	40MIL HD MICRO SPIKE
MATERIAL LAYER:	PRIMARY
QC NAME:	CHERYL HINA

Repair No.	Seam / Panel No.	Location of Repairs	Repair Date	Repair Tech	Repair Type*	Repair Time	Repair Size	Vacuum Test Date	Test Tech	Test P/F
462	215-216-217	-	10/25/18	LH	P	0945	2X2	10/25/18	PG	PASS
463	214-215-216	-	10/24/18	JV	P	1450	2X2	10/25/18	PG	PASS
464	216-218-219	-	10/24/18	JV	P	1432	2X2	10/25/18	PG	PASS
465	218-219-220	-	10/24/18	JV	P	1430	2X2	10/25/18	PG	PASS
466	214-216	36' NEOS	10/24/18	BR	DT111	1605	2X4	10/25/18	PG	PASS
467	215-216	13' SEOS	10/25/18	LH	P	0948	2X2	10/25/18	PG	PASS
468	219-220-221	-	10/25/18	LH	P	0851	1X1	10/25/18	PG	PASS
469	220-221-226	-	10/25/18	LH	P	0842	1X2	10/25/18	PG	PASS
470	221-225-226	-	10/25/18	LH	P	0832	2X2	10/25/18	PG	PASS
471	225-226-227	-	10/25/18	LH	P	0752	2X2	10/25/18	PG	PASS
472	226-227-228	-	10/24/18	JV	P	1408	1X2	10/24/18	PG	PASS
473	216-218	57' SEOS	10/24/18	JV	DT112	1435	2X4	10/24/18	PG	PASS
474	218-220	30' NEOS	10/24/18	BR	DT113	1548	2X3	10/25/18	PG	PASS
475	100-101-205-207	-	10/24/18	BR	P	1617	2X4	10/25/18	PG	PASS
476	101-102-207-208	-	10/24/18	BR	P	1615	2X5	10/25/18	PG	PASS
477	102-103-208-210	-	10/24/18	BR	P	1609	1X2	10/25/18	PG	PASS
478	103-104-210-212	-	10/24/18	BR	P	1608	1X2	10/25/18	PG	PASS
479	104-105-212-214	-	10/24/18	BR	P	1550	3X3	10/25/18	PG	PASS
480	105-106-214-216	-	10/24/18	BR	P	1600	2X3	10/25/18	PG	PASS
481	106-107-216-218	-	10/24/18	BR	P	1558	1X2	10/25/18	PG	PASS

* Repair Type: P=Patch, C=Cap, B=Boot, DT=Destruct (with number), W= Weld, (explain any additional repairs)

REPAIR FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND
PROJECT NO.:	18009
MATERIAL TYPE:	40MIL HD MICRO SPIKE
MATERIAL LAYER:	PRIMARY
QC NAME:	CHERYL HINA

Repair No.	Seam / Panel No.	Location of Repairs	Repair Date	Repair Tech	Repair Type*	Repair Time	Repair Size	Vacuum Test Date	Test Tech	Test P/F
482	107-108-218-220	-	10/24/18	BR	P	1544	2X6	10/25/18	PG	PASS
483	108-109-220-226	-	10/24/18	BR	P	1536	2X5	10/25/18	PG	PASS
484	220-226	50' SEOS	10/25/18	BR	DT114	0846	2X4	10/25/18	PG	PASS
485	107-218	7' WEOS	10/24/18	BR	DT115	1547	2X4	10/25/18	PG	PASS
486	194-215	15' EEOS	10/25/18	BR	DT116	0952	2X4	10/25/18	PG	PASS
487	227-228-235	-	10/24/18	JV	P	1358	1X2	10/24/18	PG	PASS
488	227-234-235	-	10/24/18	JV	P	1352	1X1	10/24/18	PG	PASS
489	234-236-237	-	10/24/18	LH	P	1515	2X2	10/25/18	PG	PASS
490	234-235-236	-	10/24/18	JV	P	1336	3X3	10/24/18	PG	PASS
491	216-217-219	-	10/25/18	LH	P	0936	1X1	10/25/18	PG	PASS
492	109-110-226-228	-	10/24/18	BR	P	1533	2X7	10/25/18	PG	PASS
493	236-239	445' NEOS	10/24/18	LH	P	1544	2X5	10/24/18	PG	PASS
494	236-239	461' NEOS	10/24/18	LH	P	1531	2X5	10/24/18	PG	PASS
495	236-237-239	-	10/24/18	LH	P	1511	1X1	10/24/18	PG	PASS
496	237-238-239	-	10/24/18	LH	P	1453	2X2	10/25/18	PG	PASS
497	238-239-241	-	10/24/18	LH	P	1446	1X2	10/24/18	PG	PASS
498	239-240-241	-	10/24/18	JV	P	1044	1X1	10/24/18	PG	PASS
499	240-241-242	-	10/24/18	JV	P	1038	1X1	10/24/18	PG	PASS
500	241-242-243	-	10/24/18	JV	P	1125	2X2	10/25/18	PG	PASS
501	243-244	NEOS	10/24/18	LH	P	1418	4X9	10/24/18	PG	PASS

* Repair Type: P=Patch, C=Cap, B=Boot, DT=Destruct (with number), W= Weld, (explain any additional repairs)

REPAIR FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND
PROJECT NO.:	18009
MATERIAL TYPE:	40MIL HD MICRO SPIKE
MATERIAL LAYER:	PRIMARY
QC NAME:	CHERYL HINA

Repair No.	Seam / Panel No.	Location of Repairs	Repair Date	Repair Tech	Repair Type*	Repair Time	Repair Size	Vacuum Test Date	Test Tech	Test P/F
502	242-243-245	-	10/24/18	JV	P	1142	2X5	10/24/18	PG	PASS
503	242-245-246	-	10/24/18	JV	P	1110	1X2	10/24/18	PG	PASS
504	245-246-247	-	10/24/18	JV	P	1112	2X2	10/24/18	PG	PASS
505	245-247-248	-	10/24/18	LH	P	1030	2X2	10/24/18	PG	PASS
506	236-239	245' NEOS	10/24/18	JV	P	1330	1X1	10/24/18	PG	PASS
507	239-241	190' SEOS	10/24/18	JV	P	1320	2X7	10/24/18	PG	PASS
508	247-248-249	-	10/24/18	LH	P	1026	2X2	10/24/18	PG	PASS
509	243-245	150' SEOS	10/24/18	LH	P	1042	2X9	10/24/18	PG	PASS
510	247-249-250	-	10/24/18	BR	P	1502	2X7 & 21' BEED	10/24/18	PG	PASS
511	227-234	52' NEOS	10/24/18	JV	DT117	1340	2X3	10/24/18	PG	PASS
512	235-236	101' SEOS	10/24/18	JV	DT118	1404	2X4	10/24/18	PG	PASS
513	239-241	277' SEOS	10/24/18	JV	DT119	1100	2X4	10/24/18	PG	PASS
514	236-239	327' NEOS	10/24/18	JV	DT120	1326	2X3	10/24/18	PG	PASS
515	240-241	12' EEOS	10/24/18	JV	DT121	1041	2X3	10/24/18	PG	PASS
516	241-243	15' SEOS	10/24/18	LH	DT122	1442	2X3	10/24/18	PG	PASS
517	243-245	198' SEOS	10/24/18	LH	DT123	1050	2X3	10/24/18	PG	PASS
518	247-249	376' SEOS	10/24/18	JV	DT124	1022	2X4	10/24/18	PG	PASS
519	249-250-251	-	10/24/18	BR	P	1449	1X1	10/25/18	PG	PASS
520	242-245	17' SEOS	10/24/18	JV	P	1138	2X7	10/24/18	PG	PASS
521	243-245	SEOS TO 8'	10/24/18	LH	P	1147	2X10	10/24/18	PG	PASS

* Repair Type: P=Patch, C=Cap, B=Boot, DT=Destruct (with number), W= Weld, (explain any additional repairs)

REPAIR FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND
PROJECT NO.:	18009
MATERIAL TYPE:	40MIL HD MICRO SPIKE
MATERIAL LAYER:	PRIMARY
QC NAME:	CHERYL HINA

Repair No.	Seam / Panel No.	Location of Repairs	Repair Date	Repair Tech	Repair Type*	Repair Time	Repair Size	Vacuum Test Date	Test Tech	Test P/F
522	243-245	20' SEOS	10/24/18	LH	P	1138	2X10	10/24/18	PG	PASS
523	243-245	37' SEOS	10/24/18	LH	P	1117	2X12	10/24/18	PG	PASS
524	243-245	50' SEOS	10/24/18	LH	P	1119	2X13	10/24/18	PG	PASS
525	231-232	SEOS	10/24/18	LH	P	1548	2X6	10/24/18	PG	PASS
526	245-248	SEOS	10/24/18	LH	P	1322	2X4 & 26' BEED	10/24/18	PG	PASS
527	247-249	397' SEOS	10/24/18	JV	P	1028	2X3	10/24/18	PG	PASS
528	249-250	4' WEOS	10/24/18	BR	P	1450	1X2	10/25/18	PG	PASS
529	110-111-228-235	-	10/24/18	BR	P	1530	3X3	10/24/18	PG	PASS
530	111-112-235-236	-	10/24/18	BR	P	1518	2X3	10/24/18	PG	PASS
531	112-113-236-239	-	10/24/18	BR	P	1514	2X3	10/24/18	PG	PASS
532	113-114-239-240	-	10/24/18	BR	P	1513	2X3	10/24/18	PG	PASS
533	114-115-240-242	-	10/24/18	BR	P	1512	2X4	10/24/18	PG	PASS
534	115-116-242-246	-	10/24/18	BR	DT129BBB	1445	2X3	10/24/18	PG	PASS
535	116-117-246-247	-	10/24/18	BR	P	1445	2X4	10/24/18	PG	PASS
536	117-118-247-250	-	10/24/18	BR	P	1433	2X6	10/24/18	PG	PASS
537	118-119-250-251	-	10/24/18	BR	P	1428	2X3	10/24/18	PG	PASS
538	119-251-252	-	10/24/18	BR	P	1402	2X3	10/24/18	PG	PASS
539	119-252	8' NEOS	10/24/18	BR	P	1415	2X4	10/24/18	PG	PASS
540	120-252	WEOS TO 12'	10/24/18	BR	P	1420	2X13	10/24/18	PG	PASS
541	120-121-252-253	ENTIRE SEAM	10/24/18	BR	P	1349	2X29	10/24/18	PG	PASS

* Repair Type: P=Patch, C=Cap, B=Boot, DT=Destruct (with number), W= Weld, (explain any additional repairs)

REPAIR FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND
PROJECT NO.:	18009
MATERIAL TYPE:	40MIL HD MICRO SPIKE
MATERIAL LAYER:	PRIMARY
QC NAME:	CHERYL HINA

Repair No.	Seam / Panel No.	Location of Repairs	Repair Date	Repair Tech	Repair Type*	Repair Time	Repair Size	Vacuum Test Date	Test Tech	Test P/F
542	233-244	16' NEOS	10/24/18	LH	P	1426	2X3	10/24/18	PG	PASS
543	223-225-227	-	10/25/18	LH	P	0812	2X6	10/25/18	PG	PASS
544	224-227-229	-	10/24/18	LH	P	1645	2X4	10/25/18	PG	PASS
545	227-229-234	-	10/24/18	LH	P	1613	2X4	10/25/18	PG	PASS
546	229-230-234	-	10/24/18	LH	P	1609	3X4	10/25/18	PG	PASS
547	230-234-237	-	10/24/18	LH	P	1518	1X1	10/25/18	PG	PASS
548	239-241	333' SEOS	10/24/18	JV	P	1050	2X4	10/25/18	PG	PASS
549	230-231-237	-	10/24/18	LH	P	1506	3X4	10/25/18	PG	PASS
550	231-232-237-238	-	10/24/18	LH	P	1501	2X6	10/25/18	PG	PASS
551	232-233-238-241	-	10/24/18	LH	P	1450	1X2	10/25/18	PG	PASS
552	233-241-243-244	-	10/24/18	LH	P	1433	4X4	10/25/18	PG	PASS
553	252-253	245' NEOS	10/24/18	JV	P	1010	1X2	10/25/18	PG	PASS
554	254-255	SEOS	10/24/18	LH	P	1015	2X7	10/25/18	PG	PASS
555	254-255	362' SEOS	10/24/18	LH	P	0846	2X2	10/25/18	PG	PASS
556	254-255	469' SEOS	10/25/18	JV	P	0950	2X2	10/25/18	PG	PASS
557	254-255	490' SEOS	10/24/18	JV	P	0935	2X5	10/25/18	PG	PASS
558	254-255	497' SEOS	10/24/18	JV	P	0937	2X2	10/25/18	PG	PASS
559	254-255	48' NEOS	10/24/18	BR	DT136 A-B-AA-BB	1322	2X30	10/25/18	PG	PASS
560	254-255	614' SEOS	10/24/18	BR	P	1330	2X6	10/25/18	PG	PASS
561	121-122-253-254	-	10/24/18	BR	P	1158	2X2	10/25/18	PG	PASS

* Repair Type: P=Patch, C=Cap, B=Boot, DT=Destruct (with number), W= Weld, (explain any additional repairs)

REPAIR FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND
PROJECT NO.:	18009
MATERIAL TYPE:	40MIL HD MICRO SPIKE
MATERIAL LAYER:	PRIMARY
QC NAME:	CHERYL HINA

Repair No.	Seam / Panel No.	Location of Repairs	Repair Date	Repair Tech	Repair Type*	Repair Time	Repair Size	Vacuum Test Date	Test Tech	Test P/F
562	122-123-254-255	-	10/24/18	BR	P	1149	2X6	10/25/18	PG	PASS
563	123-124-255-256	-	10/24/18	BR	P	1148	1X2	10/25/18	PG	PASS
564	124-125-256-257	-	10/24/18	BR	P	1138	1X2	10/25/18	PG	PASS
565	125-126-257-258	-	10/24/18	BR	P	1130	2X3	10/25/18	PG	PASS
566	126-127-258-259	-	10/24/18	BR	P	1123	1X2	10/25/18	PG	PASS
567	254-255	587' SEOS	10/24/18	BR	P	1323	2X12	10/25/18	PG	PASS
568	245-247	160' SEOS	10/24/18	JV	DT125	1305	2X4	10/25/18	PG	PASS
569	117-247	12' EEOS	10/24/18	BR	DT126	1439	2X4	10/25/18	PG	PASS
570	249-251	150' NEOS	10/24/18	JV	DT127	1018	2X4	10/25/18	PG	PASS
571	251-252	130' SEOS	10/24/18	LH	DT128	1022	2X4	10/25/18	PG	PASS
572	119-252	13' SEOS	10/24/18	BR	DT129A-B-BB	1404	2X24	10/25/18	PG	PASS
573	224-227	13' EEOS	10/24/18	LH	DT130 A-B	1640	2X22	10/25/18	PG	PASS
574	252-253	326' NEOS	10/24/18	LH	DT131	0857	2X4	10/25/18	PG	PASS
575	253-254	351' NEOS	10/24/18	LH	DT132	0902	2X4	10/25/18	PG	PASS
576	254-255	147' SEOS	10/24/18	LH	DT133	0919	2X4	10/25/18	PG	PASS
577	255-256	100' SEOS	10/24/18	LH	DT134	0924	2X4	10/25/18	PG	PASS
578	255-256	85' NEOS	10/24/18	BR	DT135	1331	2X4	10/25/18	PG	PASS
579	257-258	407' NEOS	10/24/18	LH	DT137	0902	2X4	10/25/18	PG	PASS
580	258-259	200' SEOS	10/24/18	LH	DT138	0819	2X4	10/25/18	PG	PASS
581	256-257	325' NEOS	10/24/18	LH	DT139	0842	2X4	10/25/18	PG	PASS

* Repair Type: P=Patch, C=Cap, B=Boot, DT=Destruct (with number), W= Weld, (explain any additional repairs)

REPAIR FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND
PROJECT NO.:	18009
MATERIAL TYPE:	40MIL HD MICRO SPIKE
MATERIAL LAYER:	PRIMARY
QC NAME:	CHERYL HINA

Repair No.	Seam / Panel No.	Location of Repairs	Repair Date	Repair Tech	Repair Type*	Repair Time	Repair Size	Vacuum Test Date	Test Tech	Test P/F
582	127-259	17' EEOS	10/24/18	BR	DT140	1117	2X4	10/25/18	PG	PASS
583	260-261-262	-	10/24/18	JV	P	0855	2X3	10/25/18	PG	PASS
584	259-260	SEOS	10/23/18	LH	P	1606	2X4	10/24/18	PG	PASS
585	262-263-264	-	10/23/18	LH	P	1642	1X2	10/24/18	PG	PASS
586	261-262-263	-	10/24/18	JV	P	0848	2X3	10/24/18	PG	PASS
587	263-264-265	-	10/24/18	JV	P	0900	2X2	10/24/18	PG	PASS
588	264-265-266	-	10/23/18	LH	P	1617	2X2	10/24/18	PG	PASS
589	265-266-267	-	10/23/18	LH	P	1627	2X2	10/24/18	PG	PASS
590	265-267-268	-	10/24/18	BR	P	1018	2X6	10/24/18	PG	PASS
591	267-268-269	-	10/24/18	BR	P	1010	1X2	10/24/18	PG	PASS
592	268-269	8' NEOS	10/24/18	BR	P	1007	1X5	10/24/18	PG	PASS
593	269-270-271	-	10/24/18	JV	P	0810	1X2	10/24/18	PG	PASS
594	270-271-272	-	10/24/18	JV	P	0800	1X2	10/24/18	PG	PASS
595	271-272-273	-	10/23/18	LH	P	1411	2X3	10/24/18	PG	PASS
596	269-271	347' SEOS	10/24/18	JV	P	0815	1X2	10/24/18	PG	PASS
597	275-276-277	-	10/23/18	LH	P	1335	2X3	10/24/18	PG	PASS
598	276-277-278	-	10/23/18	LH	P	1340	2X2	10/24/18	PG	PASS
599	127-128-259-260	-	10/24/18	BR	P	1057	3X6	10/24/18	PG	PASS
600	259-260	255' NEOS	10/23/18	LH	DT141	1635	2X4	10/24/18	PG	PASS
601	260-262	127' NEOS	10/23/18	LH	DT142	1638	2X4	10/24/18	PG	PASS

* Repair Type: P=Patch, C=Cap, B=Boot, DT=Destruct (with number), W= Weld, (explain any additional repairs)

REPAIR FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND
PROJECT NO.:	18009
MATERIAL TYPE:	40MIL HD MICRO SPIKE
MATERIAL LAYER:	PRIMARY
QC NAME:	CHERYL HINA

Repair No.	Seam / Panel No.	Location of Repairs	Repair Date	Repair Tech	Repair Type*	Repair Time	Repair Size	Vacuum Test Date	Test Tech	Test P/F
602	263-264	10' WEOS	10/23/18	LH	DT143	1646	2X4	10/24/18	PG	PASS
603	263-265	152' SEOS	10/24/18	JV	DT144	1000	2X4	10/24/18	PG	PASS
604	265-266	8' EEOS	10/23/18	LH	DT145	1623	2X4	10/24/18	PG	PASS
605	265-267	285' SEOS	10/24/18	JV	DT146	0840	2X4	10/24/18	PG	PASS
606	267-269	105' SEOS	10/24/18	JV	DT147	0835	2X4	10/24/18	PG	PASS
607	269-270	34' NEOS	10/24/18	BR	DT148	0828	2X4	10/24/18	PG	PASS
608	269-271	16' SEOS	10/23/18	LH	DT149	1556	2X4	10/24/18	PG	PASS
609	271-273	77' NEOS	10/23/18	LH	DT150	1451	2X4	10/24/18	PG	PASS
610	275-276	160' NEOS	10/23/18	LH	DT151 A B	1320	2X4	10/24/18	PG	PASS
611	273-274	125' NEOS	10/23/18	LH	DT152	1444	2X4	10/24/18	PG	PASS
612	274-275	40' SEOS	10/23/18	LH	DT153 A B	1528	2X27	10/24/18	PG	PASS
613	277-278	136' NEOS	10/23/18	LH	DT154	1358	2X4	10/24/18	PG	PASS
614	128-129-260-261	-	10/24/18	BR	P	1047	1X1	10/24/18	PG	PASS
615	129-130-261-263	-	10/24/18	BR	P	1042	2X27	10/24/18	PG	PASS
616	130-131-263-265	CAP 131-263	10/24/18	BR	CAP	1037	2X11	10/24/18	PG	PASS
617	131-132-265-268	-	10/24/18	BR	P	1027	2X27	10/24/18	PG	PASS
618	132-134-268-269	-	10/24/18	BR	P	1005	2X4	10/24/18	PG	PASS
619	134-135-269-270	-	10/24/18	BR	P	0952	1X1	10/24/18	PG	PASS
620	135-137-270-272	-	10/23/18	BR	P	1634	2X5	10/24/18	PG	PASS
621	137-143-272-274	-	10/23/18	BR	P	1628	2X27	10/24/18	PG	PASS

* Repair Type: P=Patch, C=Cap, B=Boot, DT=Destruct (with number), W= Weld, (explain any additional repairs)

REPAIR FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND
PROJECT NO.:	18009
MATERIAL TYPE:	40MIL HD MICRO SPIKE
MATERIAL LAYER:	PRIMARY
QC NAME:	CHERYL HINA

Repair No.	Seam / Panel No.	Location of Repairs	Repair Date	Repair Tech	Repair Type*	Repair Time	Repair Size	Vacuum Test Date	Test Tech	Test P/F
622	143-146-274-275	CAP 146-274	10/23/18	BR	CAP	1623	2X9	10/24/18	PG	PASS
623	146-155-275-276	-	10/23/18	BR	P	1616	2X27	10/24/18	PG	PASS
624	155-163-276-278	CAP 163-276	10/23/18	BR	CAP	1611	2X7	10/24/18	PG	PASS
625	279-288-289	-	10/23/18	BR	P	1400	2X27	10/24/18	PG	PASS
626	285-286-287	-	10/23/18	BR	P	1440	1X1	10/24/18	PG	PASS
627	278-279	253' SEOS	10/23/18	BR	DT156	1408	2X4	10/24/18	PG	PASS
628	279-289	89' NEOS	10/23/18	BR	DT157	1338	2X4	10/24/18	PG	PASS
629	289-290	56' SEOS	10/23/18	BR	DT158	1322	2X4	10/24/18	PG	PASS
630	291-294	10' NEOS	10/23/18	BR	P	1319	2X5	10/24/18	PG	PASS
631	291-293-294	-	10/23/18	BR	P	1307	2X27	10/24/18	PG	PASS
632	291-292-293	-	10/23/18	BR	P	1349	2X27	10/24/18	PG	PASS
633	281-288	4' NEOS	10/23/18	BR	DT159	1527	2X4	10/24/18	PG	PASS
634	287-291-292	-	10/23/18	BR	P	1430	1X1	10/24/18	PG	PASS
635	287-290-291	-	10/23/18	BR	P	1427	1X1	10/24/18	PG	PASS
636	287-288-290	-	10/23/18	BR	P	1420	2X2	10/24/18	PG	PASS
637	287-288	6' SEOS	10/23/18	BR	P	1450	2X3	10/24/18	PG	PASS
638	177-280	EEOS	10/23/18	BR	P	1544	2X2	10/24/18	PG	PASS
639	163-169-278-279	-	10/23/18	BR	P	1604	2X4	10/25/18	PG	PASS
640	169-177-279-288	-	10/23/18	BR	P	1546	2X7	10/25/18	PG	PASS
641	177-280-288	-	10/23/18	BR	P	1536	2X2	10/25/18	PG	PASS

* Repair Type: P=Patch, C=Cap, B=Boot, DT=Destruct (with number), W= Weld, (explain any additional repairs)

REPAIR FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND
PROJECT NO.:	18009
MATERIAL TYPE:	40MIL HD MICRO SPIKE
MATERIAL LAYER:	PRIMARY
QC NAME:	CHERYL HINA

Repair No.	Seam / Panel No.	Location of Repairs	Repair Date	Repair Tech	Repair Type*	Repair Time	Repair Size	Vacuum Test Date	Test Tech	Test P/F
642	280-281-288	-	10/23/18	BR	P	1528	3X4	10/25/18	PG	PASS
643	281-282-288	-	10/23/18	BR	P	1517	1X1	10/25/18	PG	PASS
644	282-283-288	-	10/23/18	BR	P	1514	2X2	10/25/18	PG	PASS
645	283-284-288	-	10/23/18	BR	P	1502	2X2	10/25/18	PG	PASS
646	284-286-288	-	10/23/18	BR	P	1456	2X2	10/25/18	PG	PASS
647	286-287-288	-	10/23/18	BR	P	1444	2X3	10/25/18	PG	PASS
648	285-286	10' NEOS	10/23/18	BR	DT160	1446	2X4	10/25/18	PG	PASS
649	186-187-206-207	-	10/25/18	JV	P	0828	2X3	10/25/18	PG	PASS
650	187-188-207	-	10/25/18	JV	P	0822	1X2	10/25/18	PG	PASS
651	188-207-209	-	10/25/18	JV	P	0807	1X2	10/25/18	PG	PASS
652	188-189-209	-	10/25/18	JV	P	0805	2X2	10/25/18	PG	PASS
653	189-190-209	-	10/25/18	JV	P	0753	1X2	10/25/18	PG	PASS
654	190-209-211	-	10/25/18	JV	P	0755	1X2	10/25/18	PG	PASS
655	190-191-211	-	10/25/18	LH	P	1011	2X2	10/25/18	PG	PASS
656	191-192-211-213	-	10/24/18	JV	P	1508	2X6	10/25/18	PG	PASS
657	192-193-213	-	10/25/18	LH	P	1006	1X2	10/25/18	PG	PASS
658	193-213-215	-	10/25/18	LH	P	1000	1X1	10/25/18	PG	PASS
659	193-194-215	-	10/25/18	LH	P	0956	1X1	10/25/18	PG	PASS
660	194-195-215-217	-	10/25/18	LH	P	0940	2X3	10/24/18	PG	PASS
661	195-196-217	-	10/25/18	LH	P	0926	2X2	10/25/18	PG	PASS

* Repair Type: P=Patch, C=Cap, B=Boot, DT=Destruct (with number), W= Weld, (explain any additional repairs)

REPAIR FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND
PROJECT NO.:	18009
MATERIAL TYPE:	40MIL HD MICRO SPIKE
MATERIAL LAYER:	PRIMARY
QC NAME:	CHERYL HINA

Repair No.	Seam / Panel No.	Location of Repairs	Repair Date	Repair Tech	Repair Type*	Repair Time	Repair Size	Vacuum Test Date	Test Tech	Test P/F
662	196-217-219	-	10/25/18	LH	P	0916	2X2	10/25/18	PG	PASS
663	196-197-219	-	10/25/18	LH	P	0913	2X2	10/25/18	PG	PASS
664	197-198-219-221	-	10/25/18	LH	P	0856	2X2	10/25/18	PG	PASS
665	198-221-222	-	10/25/18	LH	P	0837	1X2	10/25/18	PG	PASS
666	221-222-225	-	10/25/18	LH	P	0828	2X3	10/25/18	PG	PASS
667	222-223-225	-	10/25/18	LH	P	0824	2X4	10/25/18	PG	PASS
668	292-293	4' WEOS	10/23/18	BR	DT161	1349	2X4	10/25/18	PG	PASS
669	288-289-290	-	10/23/18	BR	P	1357	2X2	10/25/18	PG	PASS
670	284-285-286	-	10/23/18	BR	P	1450	2X2	10/25/18	PG	PASS
671	278-279	SEOS	10/25/18	BR	P	1118	2X4	10/25/18	PG	PASS
672	274-275	SEOS	10/23/18	LH	P	1537	2X8	10/25/18	PG	PASS
673	273-274	SEOS	10/25/18	BR	P	1124	2X4	10/25/18	PG	PASS
674	267-269	SEOS	10/23/18	LH	P	1600	2X7	10/25/18	PG	PASS
675	260-262	305' NEOS	10/23/18	LH	P	1612	2X2	10/25/18	PG	PASS
676	267-269	165' NEOS	10/24/18	JV	P	0822	1X2	10/25/18	PG	PASS
677	272-274	148' SEOS	10/23/18	LH	P	1255	1X2	10/25/18	PG	PASS
678	272-273-274	-	10/23/18	LH	P	1404	2X3	10/25/18	PG	PASS
679	275-276	111' NEOS	10/23/18	LH	P	1326	2X5	10/25/18	PG	PASS
680	275-276	SEOS 61' TO 97'	10/23/18	LH	P	1320	2X26	10/25/18	PG	PASS
681	135-270	4' EEOS	10/23/18	BR	DT155	1643	2X4	10/25/18	PG	PASS

* Repair Type: P=Patch, C=Cap, B=Boot, DT=Destruct (with number), W= Weld, (explain any additional repairs)

REPAIR FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND
PROJECT NO.:	18009
MATERIAL TYPE:	40MIL HD MICRO SPIKE
MATERIAL LAYER:	PRIMARY
QC NAME:	CHERYL HINA

Repair No.	Seam / Panel No.	Location of Repairs	Repair Date	Repair Tech	Repair Type*	Repair Time	Repair Size	Vacuum Test Date	Test Tech	Test P/F
682	270-272	17' NEOS	10/23/18	BR	P	1638	1X1	10/25/18	PG	PASS
683	251	28' BEED & 3 2X2 PATCHES	10/24/18	LH	P	1355	28' BEAD	10/25/18	PG	PASS
684	257-258	160' NEOS	10/24/18	JV	P	0920	2X2	10/25/18	PG	PASS
685	257-258	440' NEOS	10/24/18	JV	P	0805	2x4	10/25/18	PG	PASS
686	257-258	515' NEOS	10/24/18	JV	P	0908	2X2	10/25/18	PG	PASS
687	257-258	597' NEOS	10/24/18	JV	P	0933	2X3	10/25/18	PG	PASS
688	251-252	SEOS	10/24/18	JV	P	1402	2X8	10/25/18	PG	PASS
689	248-249	SEOS	10/24/18	JV	P	1328	2X6	10/25/18	PG	PASS
690	230-231	SEOS	10/24/18	JV	P	1603	2X4	10/25/18	PG	PASS
691	186-187-206	-	10/24/18	JV	P	1025	2X3	10/25/18	PG	PASS

* Repair Type: P=Patch, C=Cap, B=Boot, DT=Destruct (with number), W= Weld, (explain any additional repairs)

REPAIR FORM



PROJECT NAME:	AMEREN MEREDOSIA-FLY ASH POND
PROJECT NO.:	18009
MATERIAL TYPE:	40MIL HD MICRO SPIKE
MATERIAL LAYER:	PRIMARY
QC NAME:	CHERYL HINA

Repair No.	Seam / Panel No.	Location of Repairs	Repair Date	Repair Tech	Repair Type*	Repair Time	Repair Size	Vacuum Test Date	Test Tech	Test P/F
692	3-4-R693	TOE OF SLOPE	04/17/19	BR	P	13:25	2X14	04/17/19	PG	PASS
693	3-4-R692	TOE OF SLOPE	04/17/19	BR	P	13:00	2X7	04/17/19	PG	PASS
694	4-R695	TOE OF SLOPE	04/17/19	BR	DT162	13:30	2X4	04/17/19	PG	PASS
695	4-5	TOE OF SLOPE	04/17/19	BR	P	12:50	2X15	04/17/19	PG	PASS
696	115-116	TOP OF SLOPE	04/18/19	BR	P	13:45	5X5	04/17/19	PG	PASS
697	88-89	TOP OF SLOPE	04/19/19	BR	P	14:45	5X5	04/17/19	PG	PASS
698	177-280	TOP OF SLOPE	04/20/19	BR	P	14:00	4X4	04/17/19	PG	PASS
699	190	TOP OF SLOPE	04/21/19	BR	P	14:20	5X5	04/17/19	PG	PASS

* Repair Type: P=Patch, C=Cap, B=Boot, DT=Destruct (with number), W= Weld, (explain any additional repairs)



PROJECT NAME:
Meredosia Ash Pond Closures
GSI Project No.: 18009; Project I.D.: 15093

Section: 02800 HDPE Geomembranes and Polypropylene Turf Grass

1.5.A
Maintenance Data
Provided In This Submittal

Electronic Filing: Received, Clerk's Office 08/3/2023

ClosureTurf®

OWNER'S POST-CLOSURE CARE MANUAL

July 2018




ClosureTurf®

KEY POINTS

INTRODUCTION

The ClosureTurf® closure system is designed for long life and low maintenance. The life of the product may be enhanced by inspection and occasional adjustment of system components as described in this document.

PURPOSE AND SCOPE

This document provides guidance and procedures required to adequately monitor and maintain the ClosureTurf system for projects that were completed in accordance with the Watershed Geosynthetics Design Guidelines, Installation Guidelines and Specifications.

ClosureTurf inspection and maintenance involves periodic evaluation and correction of infill and turf fiber conditions. The goal is to preserve longevity of the Engineered Turf's backing geotextiles by reducing the exposure to weathering forces and to maintain adequate turf fiber strength to achieve the 100 year+ design life. See Section 5.1 Inspection and Maintenance Periods.

See Exhibits A, B and C for additional information pertaining to the ClosureTurf System.

DEFINITIONS

Whenever the terms listed below are used, the intent and meaning will be interpreted as indicated.

ArmorFill®

ArmorFill® Liquid Emulsion is a proprietary Polymer Emulsion product used to bind the ASTM-C33 sand infill component of the ClosureTurf® System.

ClosureTurf®

A patented 4 component system consisting of a Watershed Geo specific Gas Management System (if applicable), a Structured Geomembrane (LLDPE or HDPE), an Engineered Turf, and a specific grade of sand infill (or alternatively a HydroBinder® and/or ArmorFill® infill).

Construction Quality Assurance Professional of Record (POR)

The POR is an authorized representative of the Owner and has overall responsibility for CQA efforts and to confirm the project was constructed in general accordance with site-specific specifications approved by the regulatory authority and contract documents. The POR must be licensed as a Professional Engineer in the State the project is located and experienced in geosynthetics.

Contractor

One that agrees to furnish materials or perform services at a specified price, especially for construction work.

Engineered Turf

A component of the ClosureTurf System. A synthetic structured material consisting of one or more geotextiles tufted with polyethylene yarns that resemble grass blades.

Geomembrane

A synthetic lining material that is a component of the ClosureTurf System. Used as the primary barrier to infiltration and exfiltration of covered materials.

HydroBinder®

A proprietary cementitious infill utilized where higher surface water velocities may occur as well as in anchor trenches where specified.

Geosynthetics Contractor / Installer

The entity responsible for geosynthetic installation.

Operator

The entity in control and responsible for the facility.

Owner

The entity that owns facility and land.

DEFINITIONS

Owner's or Operators Representative

An official representative of the Owner or Operator responsible for planning, organizing, and controlling construction activities.

Wrinkle

A portion of the geomembrane that does not lay relatively flat and is not a result of subgrade irregularity and which can be folded over.

PERFORMANCE AGREEMENT

Owner's who have chosen a Watershed Geo Performance Agreement will have additional support pertaining to the monitoring and maintenance of the ClosureTurf® closure system.

Additional support provided by a Performance Agreement includes periodic inspection performed by Watershed Geo representative that will document both existing issues and possible potential issues that should be addressed either immediately, or by the next maintenance event.

Additionally, Watershed Geo will maintain the ClosureTurf components at a maintenance interval defined in the Performance Agreement.

For more information concerning the Watershed Geo Performance Agreement, contact a Watershed Geo Representative.

INSPECTION AND MAINTENANCE PERIODS

Annual inspection interval should be performed by the owner or owner's representative. Exhibit A, Post Closure Monitoring and Maintenance Inspection Report, may be utilized to document any issues found during the inspection.

ClosureTurf® maintenance includes correcting any identified areas of exposure during the prior inspection intervals. Areas of concern should be corrected at a frequency of at least every 5-years.

VISUAL INSPECTION MONITORING

Annual visual inspections will be completed by physically walking the surface of the ClosureTurf installation and documenting issues (See Exhibit A)

Use the following list to note when an issue should be documented:

- Differential Settlement (to the extent of grade reversal or ponding of water)
- Exposed Geotextiles
- Exposed Geomembrane
- Damage to Engineered Turf Fibers in high traffic access areas
- Significant Sand Migration and Drainage Channel Ballast Materials (HydroBinder®, rip rap, stone, etc.)
- Any physical damage from equipment or animals

CORRECTIVE ACTION RESPONSIBILITY

Corrective actions should be performed by Watershed Geo trained individuals. While some corrective procedures can be performed by trained site personnel, a complete list of certified installers is available upon request.

GUIDANCE

Repair techniques will follow Watershed Geo installation Guidelines, and / or Specifications. Note that Watershed Geo's Installation Guidelines are provided as Exhibit B to this document; however any updates to the Manual should be checked annually online at watershedgeo.com.

DOCUMENTATION

Documentation will include completion of the ClosureTurf® Post Closure Inspection Report. The checklist will include details of the corrective measures or repairs made to damaged areas.

MAINTENANCE PROCEDURES

EQUIPMENT ON ENGINEERED TURF

Post-closure equipment operation should be limited those with rubber-tires or tracks. The following are load limits based on grade conditions:

- No equipment will be allowed on slopes exceeding 15% until Sand Infill is in place.
- On slopes less than 15%, such as top decks, ATV type vehicles will be allowed prior to infill placement if the rubber tire or track pressure is less than 5 psi.
- Post construction (full specified sand infill thickness) drivability tire pressures on slopes greater than 10% should be limited on the ClosureTurf® system to less than 35 psi.
- Allowable rubber tire or track pressures on top decks may increase to as much as 120 psi if sustained traffic load is not expected.

In all phases of construction, equipment used on the ClosureTurf product will not be allowed to change speed or direction in a manner that could displace or damage the ClosureTurf system.

High traffic areas will require sand to be placed at the full height of the turf.

All frequently trafficked areas by site equipment will have at least 1 inch of sand infill and 3 inches of light gravel.

WILDLIFE DAMAGE

Determine the causes (if possible) as to how wildlife is gaining access to the site and correct the access where possible. Instructions to fix exposed geotextile and geomembrane is addressed below.

UNAUTHORIZED ACCESS - VANDALISM

Determine the causes as to how the site is being accessed illegally and stop the access where possible. Instructions to fix exposed geotextile and geomembrane is addressed below.

DRAINAGE CHANNEL BALLAST MOVEMENT

When geotextiles are exposed due to ballast movement in the drainage channels, replace with ballast to the exposed area.

EXPOSED GEOTEXTILES

Repairs may be documented on the attached inspection report (Exhibit A). Installation techniques used to make the correction will follow the Watershed Geo installation guidelines, techniques and procedures (Exhibit B).

- For areas where sand has migrated, replace sand at next 5-year maintenance interval.
- Replace sand by hand or using equipment listed in Exhibit C.
- For areas with exposed geotextile at the crest of wrinkles, sand movement within a seam and isolated small voids, correct by placing sand and ArmorFill® to stabilize the sand from future migration.

MAINTENANCE PROCEDURES

- For exposed geotextiles due to lack of tufted fiber, first cover the exposed geotextile areas with a new piece of Engineered Turf sized to be approximately 6 inches larger in all directions.
- The Engineered Turf is then to be heat bonded using heat gun as illustrated in the attached equipment list is illustrated in Exhibit C.
- Sand infill (Additionally may also add ArmorFill®) will be placed in the tufts of the Engineered Turf of the repaired area to the specified thickness.

DAMAGED ENGINEERED TURF - EXPOSED GEOMEMBRANE

Define the causes for exposed geomembrane.

- Have trained personnel repair the engineered turf where geomembrane is exposed with new material by cutting a patch of new engineered turf and placing over the affected area.
- Seaming will be completed by heat bonding the seam.
- After seaming is complete, sand infill will be installed over the Engineered Turf patch.
- Document the repairs on the attached inspection report.

Installation techniques will follow Watershed Geo installation guidelines, techniques and procedures found in the ClosureTurf® Installation Manual.

DAMAGED GEOMEMBRANE

If possible, define the cause(s) of damage so that it may be proactively addressed. Repairing these areas includes the following:

- Clean the affected area by removing any loose infill and/or other materials where infill has been installed.
- Cut back and remove the overlying engineered turf to access the damaged area of the geomembrane component.
- Cut a patch of new geomembrane material. This material will be the same thickness and resin (e.g., 50 mil LLDPE) as the geomembrane component of the existing installation. Patch will extend a minimum of 4 in. beyond the damaged area in all directions and have rounded corners.
- Extrudate rod will be the same resin type as the resin of the existing geomembrane.
- Clean the geomembrane and properly grind the location of the extrusion weld.
- Extrusion weld the patch to the existing geomembrane. The welding technician shall be Certified Welding Technician (CWT) for Polyethylene Geomembranes.
- The extrusion weld will be vacuum box tested for leaks in accordance with ASTM D5641.
- Replace the engineered turf and sand infill and/or HydroBinder® infill. See Exhibit B for more detailed guidelines.
- Document and report the size, location, area, etc. of the repairs and include before/after photos

Installation techniques will follow Watershed Geo installation guidelines, techniques and procedures found in the ClosureTurf Installation Manual.

MAINTENANCE PROCEDURES

DIFFERENTIAL SETTLEMENT- PONDING OF WATER AND GRADE REVERSAL

Differential settlement does not affect the performance characteristics of ClosureTurf®. However, if ponding water or grade reversal in ditches causes concentrated flows in areas where it is not wanted, corrective options are shown below. Option 2 & 3 are intended for small isolated areas. Geosynthetics (geomembrane & engineered turf) as well as sand infill installation will follow Watershed Geo installation guidelines, techniques and procedures.

Option 1 - Remove the engineered turf component from above the geomembrane, remove the water if necessary, fill the depressed area with sand or soil until designated grades are achieved. Weld a patch of geomembrane over the newly graded fill. Place a fitted piece of engineered turf over the depressed area using a heat-bonded seam to bond the adjacent materials and install the approved sand infill to the site specified thickness

Option 2 - Cut and remove both the geomembrane and engineered turf, fill in the area with approved fill materials to designated grades and replace with new ClosureTurf® component materials and install the approved sand infill to the site specified thickness.

Option 3 - Add sand to the depressed area on top of the engineered turf. Once proper grades are achieved, place the new engineered turf over the area, heat bond the seam and add approved sand infill to the site specified thickness. Do not compact the sand infill with heavy equipment.

CLOSURETURF® AESTHETICS

Wrinkling of the ClosureTurf® may occur over time because of expansion/contraction of the polyethylene geomembrane component and landfill settlement. This does not affect the ClosureTurf system's engineered performance.

In the event the owner determines a wrinkle should be repaired due to aesthetics, the following method is approved by Watershed Geo. Cut the engineered turf and geomembrane components along the top of wrinkle, overlap excess geomembrane until the area lays flat, extrusion weld and vacuum test. Overlap excess engineered turf, heat-bond the seam and add sand infill as required.

EXHIBIT A
POST CLOSURE MONITORING AND MAINTENANCE INSPECTION REPORT

EXHIBIT A

A. Site Information		B. Contact Information		
Facility Name:		Site Operator:		
Address:		Phone:		
Closure Date:		Inspected By:		
Date of Last Inspection:		Date of Inspection		
C. ClosureTurf® Maintenance Checklist				
		Yes	No	NA
1	Evidence of damage due to Wildlife?			
2	Evidence of damage due to unauthorized post-closure use?			
3	Evidence of ponding water?			
4	Do all drainage swales have positive drainage?			
5	Noticeable drainage channel ballast movement?			
6	Areas with exposed Geotextile?			
7	Areas with exposed Geomembrane?			
Documented Repairs:				

Inspected by: _____ Approved by: _____

Note:

- If 'Yes' is checked, please see Owner's Post Closure Care Manual for a complete list of instructions for remediation.
- The owner's designated representative shall be responsible for the monitoring/reporting of field observations and incorporating proper maintenance procedures.

EXHIBIT B
SEE INSTALLATION GUIDELINES

EXHIBIT C
SEE EQUIPMENT LIST

770.777.0386 • watershedgeo.com



CLOSURETURF®, ARMORFILL®, and HYDROBINDER® are U.S. registered trademark which designates a product from Watershed Geosynthetics, LLC. This product is the subject of issued U.S. and foreign patents and/or pending U.S. and foreign patent applications. All information, recommendations, and suggestions appearing in this literature concerning the use of our products are based upon tests and data believed to be reliable; however, this information should not be used or relied upon for any specific application without independent professional examination and verification of its accuracy, suitability and applicability. Since the actual use by others is beyond our control, no guarantee or warranty of any kind, expressed or implied, is made by Watershed Geosynthetics LLC as to the effects of such use or the results to be obtained, nor does Watershed Geosynthetics LLC assume any liability in connection herewith. Any statement made herein may not be absolutely complete since additional information may be necessary or desirable when particular or exceptional conditions or circumstances exist or because of applicable laws or government regulations. Nothing herein is to be construed as permission or as a recommendation to infringe any patent.



PROJECT NAME:
Meredosia Ash Pond Closures
GSI Project No.: 18009; Project I.D.: 15093

Section: 02800 HDPE Geomembranes and Polypropylene Turf Grass

1.7.A
Warranty
Provided In This Submittal



LIMITED WARRANTY

Project Owner: Meredosia Power Station
Project Name: Meredosia Power Station – Ash Pond Closure
Product: ClosureTurf®
Location: 800 South Washington Street – Meredosia, Illinois
Effective Date: August 9 th 2019

Warranty. Watershed Geosynthetics LLC, a Georgia limited liability company (“Company”), hereby warrants to Meredosia Power Station (“Purchaser”) for the Meredosia Power Station – Ash Pond Closure that, subject to the terms, conditions and limitations set forth herein,

The geosynthetic components of the ClosureTurf® cover system (the “Products”) will perform as follows:

1. The engineered turf component of ClosureTurf will retain adequate physical properties to provide coverage of the underlying structured membrane component; and
2. The structured membrane component of the ClosureTurf Product will retain adequate physical properties as required to perform as a barrier layer to reduce emissions and water infiltration.

Term of Warranty. The Warranty shall last for one (1) year for the engineered turf and membrane component from August 9th, 2019, the substantial date of completion.

Notification of Claims. Claims under the Warranty must be submitted to Company in writing within thirty (30) days after discovery of any alleged breach of the Warranty via a globally recognized overnight delivery service and addressed to:

Watershed Geosynthetics LLC
11400 Atlantis Place, Suite 200
Alpharetta, Georgia
Attn: Delaney Lewis

Remedy. In the event of a breach of the Warranty, Company, at its sole cost and discretion, will either replace or repair that portion of the Product that fails to perform in accordance with the Warranty.

Limitations on Coverage. The Warranty does not apply if (i) the Product is used for any application other than a passive closure, (ii) the Product is installed or repaired by anyone who has not been trained by Company, or (iii) the Product is damaged by or as a result of:

- (a) burns, cuts, accidents, vandalism, abuse, negligence or neglect;
- (b) improper design or failure of the sub-base or adjacent storm water conveyance systems;
- (c) use of infill products not approved by Company;
- (d) failure to maintain infill products at the correct thickness;
- (e) the operation of non-rubber-tire or rubber-track equipment on the Product;

- (f) wind recorded on the site of the Product in excess of 120 mph;
- (g) the surface being used for purposes other than for which it was designed and installed;
- (h) post-fibrillation during or after installation of the Product for any purpose other than getting infill materials in place;
- (i) failure to properly limit vehicle traffic trips over the Product other than for maintenance and inspection;
- (j) failure to limit the ground pressure of vehicle tires operating over the Product to less than 60 psi without additional protection approved by Company;
- (k) Chemicals which are not suitable for HDPE Material and
- (l) damages due to the misapplication, incorrect installation, and damages resulting from any kind of inadequate handling.

Company's Limited Warranty. Notwithstanding anything set forth herein or at law to the contrary, COMPANY MAKES NO WARRANTY THAT THE PRODUCT SHALL BE MERCHANTABILITY OR FIT FOR ANY PARTICULAR PURPOSE, NOR DOES COMPANY MAKE ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, BY OPERATION OF LAW OR OTHERWISE, EXCEPT SUCH WARRANTIES AS ARE EXPRESSLY SET FORTH HEREIN. Company's liability and Customer's exclusive remedies hereunder are hereby limited to the repair of that portion of the Product or the replacement thereof with Product that performs in accordance with the Warranty, and Customer shall be entitled to no other remedies, whether in contract or tort, at law or in equity.

Limitation of Liability. In the event of a breach of the Warranty, under no circumstances shall Company be liable to Customer for any consequential, incidental, indirect, special, exemplary, punitive or any other damages regardless of whether Customer had notified Company of the possibility thereof. The restrictions set forth in this provision include, but are not limited to, the recovery of lost profits, lost opportunity, loss of use, and downtime expenses.

Force Majeure. Notwithstanding anything contained herein to the contrary, the Warranty and Company's obligations hereunder shall be suspended by fire, floods, earthquakes, accidents, acts of God, civil commotions, actions of any governmental authority, or any other event, condition or happening reasonably beyond Company's control.

Entire Agreement. The terms and conditions set forth herein are Company's entire obligation with respect to the Warranty and supersede all prior and contemporaneous agreements, understandings and inducements, express or implied, oral or written. This Warranty may not be assigned by Customer without the prior written consent of Company, which consent shall not be unreasonably withheld, delayed or conditioned.

Governing Law. The interpretation, validity and enforcement of this Warranty shall be governed by the laws of the State of Georgia, USA irrespective of conflict of laws rules. The enforcement of any rights under this Warranty shall only be pursued in a state or federal court located in Fulton County, Georgia, USA. Customer hereby irrevocably agrees and submits to the exclusive jurisdiction of said courts, and waives any objection thereto based on forum non-conveniens or improper venue.



ONE-YEAR INSTALLATION WARRANTY FOR
GEO-SYNTHETICS SYSTEMS

PROJECT:

Meredosia Ash Pond Closures

GSI Project ID No.: 718009

Subject to the terms and conditions set forth below, Geo-Synthetics Systems, warrants to Purchaser, Ameren Missouri - Medina Valley Cogen, Inc., that the ClosureTurf system installed at the Meredosia Power Station Ash Pond Closures – Bottom Ash Pond berm facility in Meredosia, Illinois, was installed by Geo-Synthetics Systems, in accordance with specifications in a good and workmanlike manner and that the installation of the liner is free from defects in workmanship for a period of one (1) year effective from October 18, 2018.

This warranty covers only defects in workmanship occurring during the installation of the liner. This warranty does not cover any damage to, or defects in the liner found to have been a result of misuse, abuse or conditions existing after it was installed, including, but not limited to, rough handling; malicious mischief; vandalism; sabotage; fire; acts of God; acts of the public enemy; acts of war, public rebellion, severe weather conditions of all types; damage due to ice; excessive stress from any source; floating debris; damage due to machinery; foreign objects or animals. Nor does this warranty cover any defects which are found to have been a result of improper or defective design or engineering unless the design or engineering was performed by Geo-Synthetics Systems.

In the event circumstances are found to exist which purchaser believes may give rise to a claim under this warranty, the following procedure shall be followed.

- a) Purchaser shall give Geo-Synthetics Systems written notice of the facts and circumstances of said claim within ten (10) days of becoming aware of said facts and circumstances.

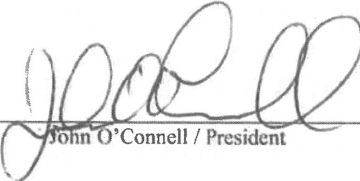
Said notice shall be by registered or certified mail, return receipt requested, postage prepaid, addressed to Construction Manager, Geo-Synthetics Systems, 2401 Pewaukee Road, Waukesha, WI 53188. The words "WARRANTY CLAIM" shall be clearly marked on the face of envelope in the lower right hand corner. Said notice shall contain, at a minimum, the name and address of the owner, the name and address of the installation, the name and address of the installer, the date upon which the material was purchased and the facts known to Purchaser upon which the claim is based. Failure to strictly comply with all the requirements of this paragraph shall void this warranty.

- b) Within twenty (20) days after receipt of the notice described in paragraph a., above, Geo-Synthetics Systems shall notify Purchaser either that it will send a representative to inspect the allegedly defective liner or that it does not wish to do so. Purchaser shall pay the expenses incurred by Geo-Synthetics Systems in making the inspection, including current per diem rates for personnel involved in making the inspection, in the event Geo-Synthetics Systems determines that the claim is not covered by this warranty.
- c) PURCHASER SHALL NOT REPAIR, REPLACE, REMOVE, ALTER OR DISTURB ANY LINER, NOR SHALL PURCHASER ALLOW ANYONE ELSE TO REPAIR, REPLACE, REMOVE, ALTER, OR DISTURB ANY LINER PRIOR TO SUCH INSPECTION OR RECEIPT OF GEO-SYNTHETICS SYSTEMS NOTICE THAT IT ELECTS NOT TO INSPECT. A FAILURE TO STRICTLY COMPLY WITH THIS PARAGRAPH SHALL VOID THIS WARRANTY OR MAY LEAD TO A DETERMINATION THAT THE ALLEGED DEFECTS ARE NOT WITHIN THE SCOPE OF THIS WARRANTY.
- d) If Geo-Synthetics Systems determines that the alleged defects are covered by this warranty, Geo-Synthetics Systems shall, in its sole discretion, either repair the defective liner or provide Purchaser with replacement liner. THE REMEDIES PROVIDED HEREIN ARE THE EXCLUSIVE REMEDIES AVAILABLE UNDER THIS WARRANTY. Any determination as to whether a particular defect is covered by this warranty will be made by Geo-Synthetics Systems in its sole and complete discretion.
- e) Purchaser agrees that it shall provide Geo-Synthetics Systems with clean, dry and unobstructed access to the liner in order for Geo-Synthetics Systems to perform the inspections and warranty work which may be required pursuant to this warranty.

THE REMEDIES PROVIDED TO PURCHASER HEREIN ARE THE EXCLUSIVE REMEDIES AVAILABLE UNDER THIS WARRANTY AND ARE INTENDED FOR THE SOLE BENEFIT OF PURCHASER. NEITHER THIS WARRANTY NOR ANY RIGHTS HEREUNDER SHALL BE ASSIGNABLE. GEO-SYNTHETICS SYSTEMS SHALL HAVE NO LIABILITY UNDER THIS WARRANTY TO THIRD PARTIES OR STRANGERS TO THIS AGREEMENT. THE WARRANTY SET FORTH ABOVE IS THE ONLY WARRANTY APPLICABLE TO THE LINER AND ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL GEO-SYNTHETICS SYSTEMS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES FOR, RESULTING FROM, OR IN CONNECTION WITH, ANY LOSS RESULTING FROM THE USE OF THE LINER. IN THE EVENT THE EXCLUSIVE REMEDY PROVIDED HEREIN FAILS IN ITS ESSENTIAL PURPOSE, AND IN THAT EVENT ONLY, PURCHASER SHALL BE ENTITLED TO THE RETURN OF THE PURCHASE PRICE FOR SO MUCH OF THE MATERIAL AS GEO-SYNTHETICS SYSTEMS DETERMINES IN ITS SOLE DISCRETION, TO HAVE VIOLATED THE WARRANTY PROVIDED HEREIN. EXCEPT FOR THE WARRANTY SET FORTH ABOVE, NO REPRESENTATION OR WARRANTY MADE BY ANY SALES OR OTHER REPRESENTATIVE OF GEO-SYNTHETICS SYSTEMS, OR ANY OTHER PERSON, CONCERNING THE LINER SHALL BE BINDING UPON GEO-SYNTHETICS SYSTEMS.

Any waiver of the terms and conditions of this warranty shall be in writing signed by GEO-SYNTHETICS SYSTEMS. The failure to insist upon strict compliance with any of the terms and conditions contained herein shall not act as a waiver of strict compliance with all of the remaining terms and conditions, or this warranty; and, shall not operate as a waiver as to any of the terms and conditions of this warranty, and to future claims under this warranty.

GEO-SYNTHETICS SYSTEMS

BY:  _____
John O'Connell / President

I have read and agree to be bound by the terms and conditions of the foregoing warranty.

Signed:  _____

By: Michael J. Wagstaff

Title: Project Manager

Company: Ameren Missouri

Date: 9/16/19



**ONE-YEAR INSTALLATION WARRANTY FOR
GEO-SYNTHETICS SYSTEMS**

PROJECT:

Meredosia Ash Pond Closures

GSI Project ID No.: 718009

Subject to the terms and conditions set forth below, Geo-Synthetics Systems, warrants to Purchaser, Ameren Missouri - Medina Valley Cogen, Inc., that the ClosureTurf system installed at the Meredosia Power Station Ash Pond Closures – Fly Ash Pond facility in Meredosia, Illinois, was installed by Geo-Synthetics Systems, in accordance with specifications in a good and workmanlike manner and that the installation of the liner is free from defects in workmanship for a period of one (1) year effective from August 9, 2019.

This warranty covers only defects in workmanship occurring during the installation of the liner. This warranty does not cover any damage to, or defects in the liner found to have been a result of misuse, abuse or conditions existing after it was installed, including, but not limited to, rough handling; malicious mischief; vandalism; sabotage; fire; acts of God; acts of the public enemy; acts of war, public rebellion, severe weather conditions of all types; damage due to ice; excessive stress from any source; floating debris; damage due to machinery; foreign objects or animals. Nor does this warranty cover any defects which are found to have been a result of improper or defective design or engineering unless the design or engineering was performed by Geo-Synthetics Systems.

In the event circumstances are found to exist which purchaser believes may give rise to a claim under this warranty, the following procedure shall be followed.

- a) Purchaser shall give Geo-Synthetics Systems written notice of the facts and circumstances of said claim within ten (10) days of becoming aware of said facts and circumstances.

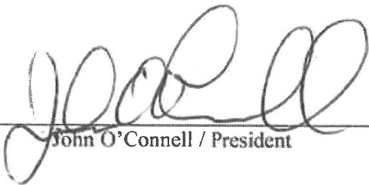
Said notice shall be by registered or certified mail, return receipt requested, postage prepaid, addressed to Construction Manager, Geo-Synthetics Systems, 2401 Pewaukee Road, Waukesha, WI 53188. The words “WARRANTY CLAIM” shall be clearly marked on the face of envelope in the lower right hand corner. Said notice shall contain, at a minimum, the name and address of the owner, the name and address of the installation, the name and address of the installer, the date upon which the material was purchased and the facts known to Purchaser upon which the claim is based. Failure to strictly comply with all the requirements of this paragraph shall void this warranty.

- b) Within twenty (20) days after receipt of the notice described in paragraph a., above, Geo-Synthetics Systems shall notify Purchaser either that it will send a representative to inspect the allegedly defective liner or that it does not wish to do so. Purchaser shall pay the expenses incurred by Geo-Synthetics Systems in making the inspection, including current per diem rates for personnel involved in making the inspection, in the event Geo-Synthetics Systems determines that the claim is not covered by this warranty.
- c) PURCHASER SHALL NOT REPAIR, REPLACE, REMOVE, ALTER OR DISTURB ANY LINER, NOR SHALL PURCHASER ALLOW ANYONE ELSE TO REPAIR, REPLACE, REMOVE, ALTER, OR DISTURB ANY LINER PRIOR TO SUCH INSPECTION OR RECEIPT OF GEO-SYNTHETICS SYSTEMS NOTICE THAT IT ELECTS NOT TO INSPECT. A FAILURE TO STRICTLY COMPLY WITH THIS PARAGRAPH SHALL VOID THIS WARRANTY OR MAY LEAD TO A DETERMINATION THAT THE ALLEGED DEFECTS ARE NOT WITHIN THE SCOPE OF THIS WARRANTY.
- d) If Geo-Synthetics Systems determines that the alleged defects are covered by this warranty, Geo-Synthetics Systems shall, in its sole discretion, either repair the defective liner or provide Purchaser with replacement liner. THE REMEDIES PROVIDED HEREIN ARE THE EXCLUSIVE REMEDIES AVAILABLE UNDER THIS WARRANTY. Any determination as to whether a particular defect is covered by this warranty will be made by Geo-Synthetics Systems in its sole and complete discretion.
- e) Purchaser agrees that it shall provide Geo-Synthetics Systems with clean, dry and unobstructed access to the liner in order for Geo-Synthetics Systems to perform the inspections and warranty work which may be required pursuant to this warranty.

THE REMEDIES PROVIDED TO PURCHASER HEREIN ARE THE EXCLUSIVE REMEDIES AVAILABLE UNDER THIS WARRANTY AND ARE INTENDED FOR THE SOLE BENEFIT OF PURCHASER. NEITHER THIS WARRANTY NOR ANY RIGHTS HEREUNDER SHALL BE ASSIGNABLE. GEO-SYNTHETICS SYSTEMS SHALL HAVE NO LIABILITY UNDER THIS WARRANTY TO THIRD PARTIES OR STRANGERS TO THIS AGREEMENT. THE WARRANTY SET FORTH ABOVE IS THE ONLY WARRANTY APPLICABLE TO THE LINER AND ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL GEO-SYNTHETICS SYSTEMS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES FOR, RESULTING FROM, OR IN CONNECTION WITH, ANY LOSS RESULTING FROM THE USE OF THE LINER. IN THE EVENT THE EXCLUSIVE REMEDY PROVIDED HEREIN FAILS IN ITS ESSENTIAL PURPOSE, AND IN THAT EVENT ONLY, PURCHASER SHALL BE ENTITLED TO THE RETURN OF THE PURCHASE PRICE FOR SO MUCH OF THE MATERIAL AS GEO-SYNTHETICS SYSTEMS DETERMINES IN ITS SOLE DISCRETION, TO HAVE VIOLATED THE WARRANTY PROVIDED HEREIN. EXCEPT FOR THE WARRANTY SET FORTH ABOVE, NO REPRESENTATION OR WARRANTY MADE BY ANY SALES OR OTHER REPRESENTATIVE OF GEO-SYNTHETICS SYSTEMS, OR ANY OTHER PERSON, CONCERNING THE LINER SHALL BE BINDING UPON GEO-SYNTHETICS SYSTEMS.

Any waiver of the terms and conditions of this warranty shall be in writing signed by GEO-SYNTHETICS SYSTEMS. The failure to insist upon strict compliance with any of the terms and conditions contained herein shall not act as a waiver of strict compliance with all of the remaining terms and conditions, or this warranty; and, shall not operate as a waiver as to any of the terms and conditions of this warranty, and to future claims under this warranty.

GEO-SYNTHETICS SYSTEMS

BY:  _____
John O'Connell / President

I have read and agree to be bound by the terms and conditions of the foregoing warranty.

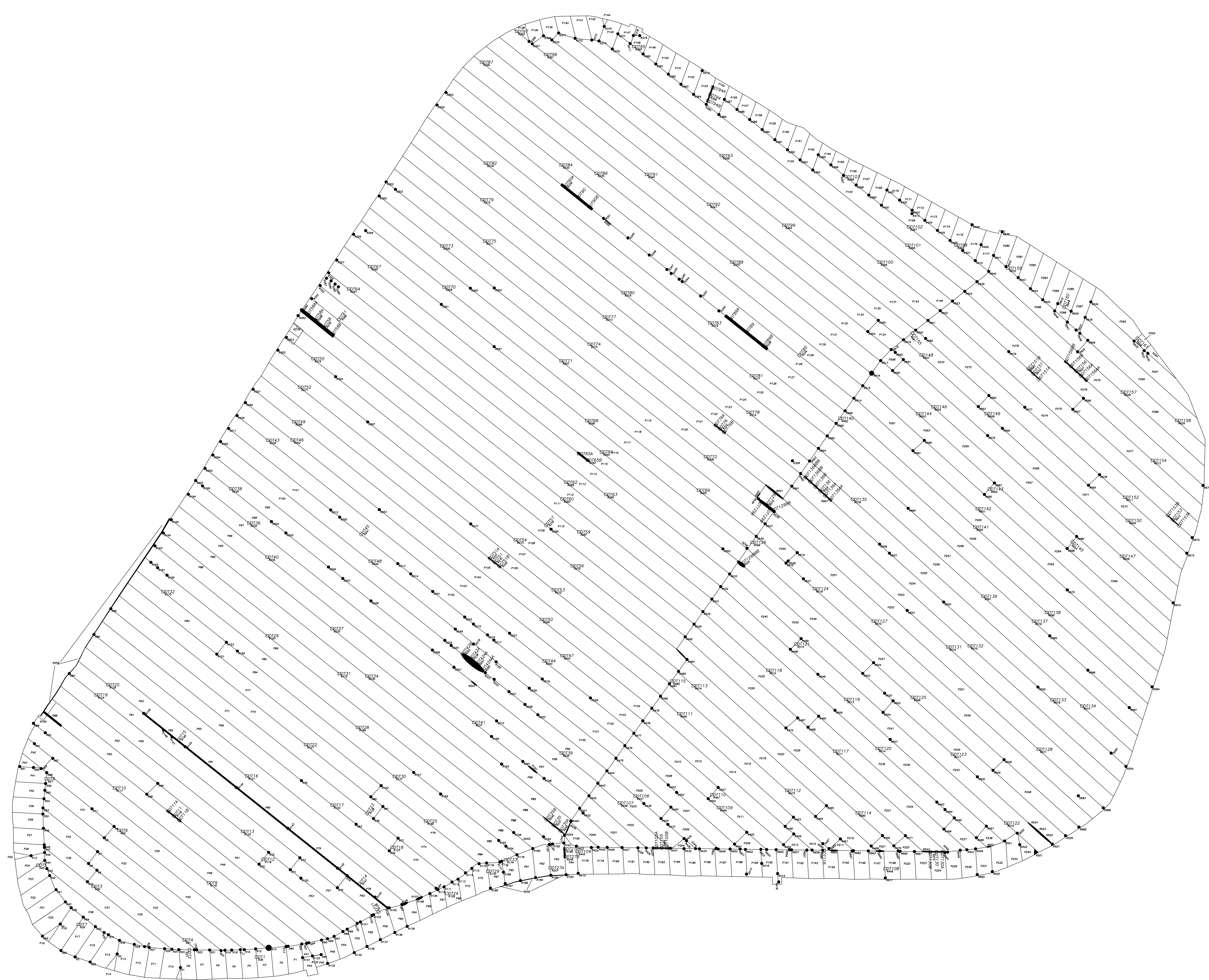
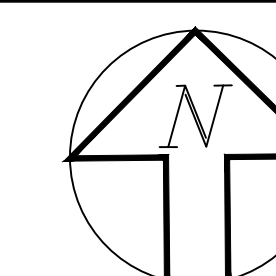
Signed:  _____

By: Michael J. Wagstaff

Title: Project Manager

Company: Ameren Missouri

Date: 9/16/19



NO.	DATE
1	12/11/18
2	12/18/18

DATE: 1/22/19
 DATE: 1/22/19
 EST #: 162234

PROJECT NAME:
 ASH POND CLOSURES

LOCATION:
 MERRIDEN, ILLINOIS

MATERIAL & DRAWING DESCRIPTION:
 4-DIAM. HDPE MICROSPRINKLE
 RESISTANT TO FLY ASH POND

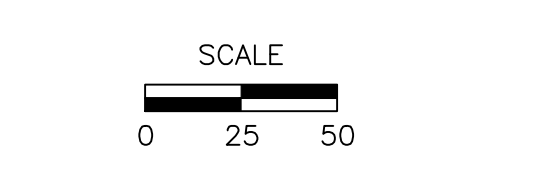
FILENAME:
 AMEREN_MERRIDEN_ILLINOIS_180223.DWG

DRAWING #:
 RD-2

NOTES:
 1. REFER DRAWING IS FOR SCHEMATIC PURPOSES ONLY.

LEGEND

—	CELL OUTLINE
—	PANEL OUTLINE
P#	PANEL NUMBER
R#	REPAIR NUMBER
●	PATCH
○	DESTRUCTIVE TEST
⊗	PIPE BOOT
—	CAP PATCH
—	EXTRUSION WELD





APPENDIX E

LABORATORY ANALYTICAL REPORTS



Date: 2019-04-18

Mail To:
Anna Saindon
Geotechnology Inc
11816 Lackland Road
St. Louis , MO , 63146

Bill To:

Geotechnology Inc

e-mail:
asaindon@geotechnology.com invoice@geotechnology.com dhina@gsibp.com

Dear Ms. Saindon,

Thank you for consulting with TRI/Environmental, Inc. (TRI) for your geosynthetics testing needs. TRI is pleased to submit this final report for laboratory testing.

Project: **Meredosia Ash Pond Closure**
TRI Job Reference Number: **45987**
Material(s) Tested: (1) Single Extrusion Weld Seam(s)
Test(s) Requested: SAME DAY Peel and Shear
(ASTM D 6392/GRI GM19/D 4437/NSF 54/882 mod.)

Codes:

AD	Adhesion Failure (100% Peel)
BRK	Break in sheeting away from Seam edge.
SE	Break in sheeting at edge of seam.
AD-BRK	Break in sheeting after some adhesion failure - partial peel.
SIP	Separation in the plane of the sheet (leaving the bond intact).
FTB	Film tearing bond (all non "AD" failures).
NON-FTB	100% peel.

If you have any questions or require any additional information, please call us at 1-800-880-8378.

Sincerely,

Brian Anderson
Project Manager
Geosynthetic Services Division
<http://www.geosyntheticstestinc.com>



DESTRUCTIVE SEAM QUALITY ASSURANCE TEST RESULTS - SINGLE TRACK

**TRI Client: Geotechnology Inc
Project: Meredosias Ash Pond Closure**

Material: 40 mil. HDPE

SAME DAY Peel and Shear (ASTM D 6392/GRI GM19/D 4437/NSF 54/882 mod.)

TRI Log#: 45987

PARAMETER	TEST REPLICATE NUMBER					MEAN
	1	2	3	4	5	
Sample ID: D-16-2 Weld: Single Extrusion						
Side: Peel						Peel
Peel Strength (ppi)	102	98	101	99	80	96
Peel Incursion (%)	<5	<5	<5	<5	<5	
Peel Locus Of Failure Code	SE	SE	SE	SE	SE	
Peel NSF Failure Code	FTB	FTB	FTB	FTB	FTB	
Shear						Shear
Shear Strength (ppi)	96	97	94	97	94	96
Shear Elongation @ Break (%)	>50	>50	>50	>50	>50	

The testing herein is based upon accepted industry practice as well as the test method listed. Test results reported herein do not apply to samples other than those tested. TRI neither accepts responsibility for nor makes claim as to the final use and purpose of the material. TRI observes and maintains client confidentiality. TRI limits reproduction of this report, except in full, without prior approval of TRI.

April 10th 2019

Dave Clausen
Geo-Synthetics Systems
2401 Pewaukee Road
Waukesha, WI 53188

Via Email: dclausen@gsibp.com

Subject: ArmorFill® at Ameren Meredosia

Dear Mr. Clausen,

The following test data by HB Fuller, product manufacturer, details testing performed on eight quart sized samples. It is our understanding that HB Fuller tested samples of the emulsion from the Meredosia project from samples provided by Geo-Synthetics Systems on March 25th 2019. The emulsion was tested on March 27th 2019 and the results are relevant to the material at the time of testing. Note, only concentrate was tested and not diluted with specified six parts water.

The statement is the professional opinion from HB Fuller based on the testing that was performed and knowing the concentrate is diluted with water: 'we feel there should be no issues (our professional opinion) using this material with the testing that was checked most recently. I am not able to guarantee if the material is outside its shelf life on the printed label'. In respect to the properties outside the specification, HB Fuller states that when you dilute the concentrate, you should have no issues spraying through your equipment.

If you have any questions, please do not hesitate to contact me.

Sincerely,



Curt Boling
Watershed Geosynthetics
Project Manager



Curt Boling <cboling@watershedgeo.com>

Physical properties for Copro WSG samples from Geo-Synthetics.....

Curt Boling <cboling@watershedgeo.com>
To: Curt Boling <cboling@watershedgeo.com>

Wed, Apr 3, 2019 at 9:49 AM

----- Forwarded message -----

From: **Vasquez, Paul** <paul.vasquez@hbfuller.com>
Date: Mon, Apr 1, 2019 at 2:35 PM
Subject: RE: Physical properties for Copro WSG samples from Geo-Synthetics.....
To: Curt Boling <cboling@watershedgeo.com>

Hi Curt,

As I had stated before, we feel there should be no issues (our professional opinion) using this material with the testing that was checked most recently. I am not able to guarantee if the material is outside its shelf life printed on the label.

Regards,

Paul Vasquez

Business Account Manager

HB Fuller

N.A. Polymer

Cell 267-979-1186

Paul.vasquez@hbfuller.com

Physical properties for Copro WSG samples from GEO-Synthetics

3/27/19

Determined Properties

Tote No.	Batch	Mfg. Date	Best By	Viscosity	Solids	pH
1	622430	8/27/18	2/23/19	375 cps	57.04%	5.52
2	622430	8/27/18	2/23/19	280 cps	55.33%	5.42
3	639702	10/8/18	4/6/19	275 cps	55.95%	5.63
4	643342	10/12/18	4/10/19	195 cps	51.75%	5.45
5	643342	10/12/18	4/10/19	215 cps	52.95%	5.47
6	643342	10/12/18	4/10/19	200 cps	51.33%	5.44
7	643342	10/12/18	4/10/19	210 cps	51.92%	5.45
8	643342	10/12/18	4/10/19	280 cps	54.46%	5.49

Viscosities were determined at 77 degrees F.

Specified Properties

Viscosity	Solids	pH
100 -300 cps	52 - 56%	4 - 7



APPENDIX F

SWPPP INSPECTION FORMS

Electronic Filing: Received, Clerk's Office 08/3/2023
 SWPPP INSPECTION REPORT

PROJECT
 LOCATION
 OWNER

Date of Inspection:	
6-1-18	<input type="checkbox"/> Rain Event, 0.5" or Greater
Type of Inspection:	<input checked="" type="checkbox"/> Weekly Scheduled
	<input type="checkbox"/> Site Entrance/Exit
Inspector's Name:	Ross Wilson
Qualifications/Position:	Foreman

Construction Area(s) identified and description of major observations relevant to implementation of the Storm Water Pollution Prevention Plan (SWPPP) :

Fly ash pond and bottom ash ponds.

Conditions:

Temporary vegetation installed within 7 days after construction (% germinated)	<input type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No	
Final Vegetation installed after completion of construction (% germinated)	<input type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No	
Straw mulch applied and crimped in place after seeding.	<input type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No	
Straw bale check dam(s) in place.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Sediment removed after major rain event.	<input type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No	
Silt fence placed, securely attached, intact (no tears, damage, etc.)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Erosion control blankets placed.	<input type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No	
Inlet Protection in place.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Vehicles tracking sediment or mud off site at entrance/exit areas.	<input type="checkbox"/> Yes	
	<input checked="" type="checkbox"/> No	
Storage/containment areas - evidence of pollutants entering drainage system.	<input type="checkbox"/> Yes	
	<input checked="" type="checkbox"/> No	
Will a Non-compliance report be submitted?	<input type="checkbox"/> Yes	
	<input checked="" type="checkbox"/> No	

Corrective Action Implementation (to be completed within 7 days of inspection):

PROJECT
 LOCATION
 OWNER

Date of Inspection:	
<i>6-8-18</i>	<input type="checkbox"/> Rain Event, 0.5" or Greater
Type of Inspection:	<input checked="" type="checkbox"/> Weekly Scheduled
	<input type="checkbox"/> Site Entrance/Exit
Inspector's Name:	<i>Ross Wilson</i>
Qualifications/Position:	<i>Foreman</i>

Construction Area(s) identified and description of major observations relevant to implementation of the Storm Water Pollution Prevention Plan (SWPPP) :

Fly ash and bottom ash Pond.

Conditions:

Temporary vegetation installed within 7 days after construction (% germinated)	<input type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No	
Final Vegetation installed after completion of construction (% germinated)	<input type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No	
Straw mulch applied and crimped in place after seeding.	<input type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No	
Straw bale check dam(s) in place.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Sediment removed after major rain event.	<input type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No	
Silt fence placed, securely attached, intact (no tears, damage, etc.)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Erosion control blankets placed.	<input type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No	
Inlet Protection in place.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Vehicles tracking sediment or mud off site at entrance/exit areas.	<input type="checkbox"/> Yes	
	<input checked="" type="checkbox"/> No	
Storage/containment areas - evidence of pollutants entering drainage system.	<input type="checkbox"/> Yes	
	<input checked="" type="checkbox"/> No	
Will a Non-compliance report be submitted?	<input type="checkbox"/> Yes	
	<input checked="" type="checkbox"/> No	

Corrective Action Implementation (to be completed within 7 days of inspection):

Electronic Filing: Received, Clerk's Office 08/3/2023
 SWPPP INSPECTION REPORT

PROJECT
 LOCATION
 OWNER

Date of Inspection: <i>6-15-18</i>	<input type="checkbox"/> Rain Event, 0.5" or Greater
Type of Inspection:	<input checked="" type="checkbox"/> Weekly Scheduled
	<input type="checkbox"/> Site Entrance/Exit
Inspector's Name:	<i>Ross Wilson</i>
Qualifications/Position:	<i>Foreman</i>

Construction Area(s) identified and description of major observations relevant to implementation of the Storm Water Pollution Prevention Plan (SWPPP):

Fly ash and bottom ash ponds

Conditions:

Temporary vegetation installed within 7 days after construction (_____ % germinated)	<input type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No	
Final Vegetation installed after completion of construction (_____ % germinated)	<input type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No	
Straw mulch applied and crimped in place after seeding.	<input type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No	
Straw bale check dam(s) in place.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Sediment removed after major rain event.	<input type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No	
Silt fence placed, securely attached, intact (no tears, damage, etc.)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Erosion control blankets placed.	<input type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No	
Inlet Protection in place.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Vehicles tracking sediment or mud off site at entrance/exit areas.	<input type="checkbox"/> Yes	
	<input checked="" type="checkbox"/> No	
Storage/containment areas - evidence of pollutants entering drainage system.	<input type="checkbox"/> Yes	
	<input checked="" type="checkbox"/> No	
Will a Non-compliance report be submitted?	<input type="checkbox"/> Yes	
	<input checked="" type="checkbox"/> No	

Corrective Action Implementation (to be completed within 7 days of inspection):

Electronic Filing: Received, Clerk's Office 08/3/2023
 SWPPP INSPECTION REPORT
 HCC PROPERTIES
 HOLY CROSS LANE BREESE, IL
 HCC PROPERTIES

Date of Inspection:	
<i>6-22-18</i>	<input type="checkbox"/> Rain Event, 0.5" or Greater
Type of Inspection:	<input checked="" type="checkbox"/> Weekly Scheduled
	<input type="checkbox"/> Site Entrance/Exit
Inspector's Name:	<i>Ross Wilson</i>
Qualifications/Position:	<i>Foreman</i>

Construction Area(s) identified and description of major observations relevant to implementation of the Storm Water Pollution Prevention Plan (SWPPP) :

Fly ash and bottom ash Pond.

Conditions:

Temporary vegetation installed within 7 days after construction (% germinated)	<input type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No	
Final Vegetation installed after completion of construction (% germinated)	<input type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No	
Straw mulch applied and crimped in place after seeding.	<input type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No	
Straw bale check dam(s) in place.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Sediment removed after major rain event.	<input type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No	
Silt fence placed, securely attached, intact (no tears, damage, etc.)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Erosion control blankets placed.	<input type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No	
Inlet Protection in place.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Vehicles tracking sediment or mud off site at entrance/exit areas.	<input type="checkbox"/> Yes	
	<input checked="" type="checkbox"/> No	
Storage/containment areas - evidence of pollutants entering drainage system.	<input type="checkbox"/> Yes	
	<input checked="" type="checkbox"/> No	
Will a Non-compliance report be submitted?	<input type="checkbox"/> Yes	
	<input checked="" type="checkbox"/> No	

Corrective Action Implementation (to be completed within 7 days of inspection):

SWPPP INSPECTION REPORT
 AMEREN ENERGY GENERATING COMPANY
 COFFEEN POWER STATION
 DRY LANDFILL AND GYPSUM STACK PROJECTS

Date of Inspection:	<u>6-29-18</u>	<input type="checkbox"/> Rain Event, 0.5" or Greater
Type of Inspection:		<input checked="" type="checkbox"/> Weekly Scheduled
		<input type="checkbox"/> Site Entrance/Exit
Inspector's Name:	<u>Ross Wilson</u>	
Qualifications/Position:	<u>Foreman</u>	

Construction Area(s) identified and description of major observations relevant to implementation of the Storm Water Pollution Prevention Plan (SWPPP):

Fly ash and bottom ash ponds

Conditions:

Temporary vegetation installed within 7 days after construction (_____ % germinated)	<input type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No	
Final Vegetation installed after completion of construction (_____ % germinated)	<input type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No	
Straw mulch applied and crimped in place after seeding.	<input type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No	
Straw bale check dam(s) in place.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Sediment removed after major rain event.	<input type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No	
Silt fence placed, securely attached, intact (no tears, damage, etc.)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Erosion control blankets placed.	<input type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No	
Vehicles tracking sediment or mud off site at entrance/exit areas.	<input type="checkbox"/> Yes	
	<input checked="" type="checkbox"/> No	
Storage/containment areas - evidence of pollutants entering drainage system.	<input type="checkbox"/> Yes	
	<input checked="" type="checkbox"/> No	
Will a Non-compliance report be submitted?	<input type="checkbox"/> Yes	
	<input checked="" type="checkbox"/> No	

Corrective Action Implementation (to be completed within 7 days of inspection):

SWPPP INSPECTION REPORT

PROJECT
LOCATION
OWNER

Date of Inspection:	
<i>7-2-18</i>	<input checked="" type="checkbox"/> Rain Event, 0.5" or Greater
Type of Inspection:	<input type="checkbox"/> Weekly Scheduled
	<input type="checkbox"/> Site Entrance/Exit
Inspector's Name:	<i>Ross Wilson</i>
Qualifications/Position:	<i>Foreman</i>

Construction Area(s) identified and description of major observations relevant to implementation of the Storm Water Pollution Prevention Plan (SWPPP):

Fly ash and bottom ash ponds.

Conditions:

Temporary vegetation installed within 7 days after construction (_____ % germinated)	<input type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No	
Final Vegetation installed after completion of construction (_____ % germinated)	<input type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No	
Straw mulch applied and crimped in place after seeding.	<input type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No	
Straw bale check dam(s) in place.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Sediment removed after major rain event.	<input type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No	
Silt fence placed, securely attached, intact (no tears, damage, etc.)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Erosion control blankets placed.	<input type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No	
Inlet Protection in place.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Vehicles tracking sediment or mud off site at entrance/exit areas.	<input type="checkbox"/> Yes	
	<input checked="" type="checkbox"/> No	
Storage/containment areas - evidence of pollutants entering drainage system.	<input type="checkbox"/> Yes	
	<input checked="" type="checkbox"/> No	
Will a Non-compliance report be submitted?	<input type="checkbox"/> Yes	
	<input checked="" type="checkbox"/> No	

Corrective Action Implementation (to be completed within 7 days of inspection):

Electronic Filing: Received, Clerk's Office 08/3/2023
 SWPPP INSPECTION REPORT

PROJECT
 LOCATION
 OWNER

Date of Inspection:	
<i>7-6-18</i>	<input type="checkbox"/> Rain Event, 0.5" or Greater
Type of Inspection:	<input checked="" type="checkbox"/> Weekly Scheduled
	<input type="checkbox"/> Site Entrance/Exit
Inspector's Name:	<i>Ross Wilson</i>
Qualifications/Position:	<i>Foreman</i>

Construction Area(s) identified and description of major observations relevant to implementation of the Storm Water Pollution Prevention Plan (SWPPP) :

Fly ash and bottom ash pond.

Conditions:

Temporary vegetation installed within 7 days after construction (% germinated)	<input type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No	
Final Vegetation installed after completion of construction (% germinated)	<input type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No	
Straw mulch applied and crimped in place after seeding.	<input type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No	
Straw bale check dam(s) in place.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Sediment removed after major rain event.	<input type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No	
Silt fence placed, securely attached, intact (no tears, damage, etc.)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Erosion control blankets placed.	<input type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No	
Inlet Protection in place.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Vehicles tracking sediment or mud off site at entrance/exit areas.	<input type="checkbox"/> Yes	
	<input checked="" type="checkbox"/> No	
Storage/containment areas - evidence of pollutants entering drainage system.	<input type="checkbox"/> Yes	
	<input checked="" type="checkbox"/> No	
Will a Non-compliance report be submitted?	<input type="checkbox"/> Yes	
	<input checked="" type="checkbox"/> No	

Corrective Action Implementation (to be completed within 7 days of inspection):

SWPPP INSPECTION REPORT

PROJECT
LOCATION
OWNER

Date of Inspection:	
7-13-18	<input type="checkbox"/> Rain Event, 0.5" or Greater
Type of Inspection:	<input checked="" type="checkbox"/> Weekly Scheduled
	<input type="checkbox"/> Site Entrance/Exit
Inspector's Name:	Ross Wilson
Qualifications/Position:	Foreman

Construction Area(s) identified and description of major observations relevant to implementation of the Storm Water Pollution Prevention Plan (SWPPP):

FAP and BAP

Conditions:

Temporary vegetation installed within 7 days after construction (% germinated)	<input type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No	
Final Vegetation installed after completion of construction (% germinated)	<input type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No	
Straw mulch applied and crimped in place after seeding.	<input type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No	
Straw bale check dam(s) in place.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Sediment removed after major rain event.	<input type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No	
Silt fence placed, securely attached, intact (no tears, damage, etc.)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Erosion control blankets placed.	<input type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No	
Inlet Protection in place.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Vehicles tracking sediment or mud off site at entrance/exit areas.	<input type="checkbox"/> Yes	
	<input checked="" type="checkbox"/> No	
Storage/containment areas - evidence of pollutants entering drainage system.	<input type="checkbox"/> Yes	
	<input checked="" type="checkbox"/> No	
Will a Non-compliance report be submitted?	<input type="checkbox"/> Yes	
	<input checked="" type="checkbox"/> No	

Corrective Action Implementation (to be completed within 7 days of inspection):

Electronic Filing: Received, Clerk's Office 08/3/2023
 SWPPP INSPECTION REPORT

PROJECT
 LOCATION
 OWNER

Date of Inspection:	
7-20-18	<input type="checkbox"/> Rain Event, 0.5" or Greater
Type of Inspection:	<input checked="" type="checkbox"/> Weekly Scheduled
	<input type="checkbox"/> Site Entrance/Exit
Inspector's Name:	Ross Wilson
Qualifications/Position:	Foreman

Construction Area(s) identified and description of major observations relevant to implementation of the Storm Water Pollution Prevention Plan (SWPPP):

FAP and BAP

Conditions:

Temporary vegetation installed within 7 days after construction (% germinated)	<input type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No	
Final Vegetation installed after completion of construction (% germinated)	<input type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No	
Straw mulch applied and crimped in place after seeding.	<input type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No	
Straw bale check dam(s) in place.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Sediment removed after major rain event.	<input type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No	
Silt fence placed, securely attached, intact (no tears, damage, etc.)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Erosion control blankets placed.	<input type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No	
Inlet Protection in place.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Vehicles tracking sediment or mud off site at entrance/exit areas.	<input type="checkbox"/> Yes	
	<input checked="" type="checkbox"/> No	
Storage/containment areas - evidence of pollutants entering drainage system.	<input type="checkbox"/> Yes	
	<input checked="" type="checkbox"/> No	
Will a Non-compliance report be submitted?	<input type="checkbox"/> Yes	
	<input checked="" type="checkbox"/> No	

Corrective Action Implementation (to be completed within 7 days of inspection):

SWPPP INSPECTION REPORT

PROJECT
LOCATION
OWNER

Date of Inspection:	
7-25-14	<input type="checkbox"/> Rain Event, 0.5" or Greater
Type of Inspection:	<input checked="" type="checkbox"/> Weekly Scheduled
	<input type="checkbox"/> Site Entrance/Exit
Inspector's Name:	Ross Wilson
Qualifications/Position:	Foreman

Construction Area(s) identified and description of major observations relevant to implementation of the Storm Water Pollution Prevention Plan (SWPPP) :

FAP and BAP

Conditions:

Temporary vegetation installed within 7 days after construction (% germinated)	<input type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No	
Final Vegetation installed after completion of construction (% germinated)	<input type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No	
Straw mulch applied and crimped in place after seeding.	<input type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No	
Straw bale check dam(s) in place.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Sediment removed after major rain event.	<input type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No	
Silt fence placed, securely attached, intact (no tears, damage, etc.)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Erosion control blankets placed.	<input type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No	
Inlet Protection in place.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Vehicles tracking sediment or mud off site at entrance/exit areas.	<input type="checkbox"/> Yes	
	<input checked="" type="checkbox"/> No	
Storage/containment areas - evidence of pollutants entering drainage system.	<input type="checkbox"/> Yes	
	<input checked="" type="checkbox"/> No	
Will a Non-compliance report be submitted?	<input type="checkbox"/> Yes	
	<input checked="" type="checkbox"/> No	

Corrective Action Implementation (to be completed within 7 days of inspection):

SWPPP INSPECTION REPORT

PROJECT
LOCATION
OWNER

Date of Inspection:	
<i>8-2-18</i>	<input checked="" type="checkbox"/> Rain Event, 0.5" or Greater
Type of Inspection:	<input type="checkbox"/> Weekly Scheduled
	<input type="checkbox"/> Site Entrance/Exit
Inspector's Name:	<i>Ross Wilson</i>
Qualifications/Position:	<i>Foreman</i>

Construction Area(s) identified and description of major observations relevant to implementation of the Storm Water Pollution Prevention Plan (SWPPP):

FAP and BAD

Conditions:

Temporary vegetation installed within 7 days after construction (% germinated)	<input type="checkbox"/> Yes s <input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No
Final Vegetation installed after completion of construction (% germinated)	<input type="checkbox"/> Yes <input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No
Straw mulch applied and crimped in place after seeding.	<input type="checkbox"/> Yes s <input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No
Straw bale check dam(s) in place.	<input checked="" type="checkbox"/> Yes s <input type="checkbox"/> N/A
	<input type="checkbox"/> No
Sediment removed after major rain event.	<input type="checkbox"/> Yes s <input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No
Silt fence placed, securely attached, intact (no tears, damage, etc.)	<input checked="" type="checkbox"/> Yes s <input type="checkbox"/> N/A
	<input type="checkbox"/> No
Erosion control blankets placed.	<input type="checkbox"/> Yes s <input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No
Inlet Protection in place.	<input checked="" type="checkbox"/> Yes s <input type="checkbox"/> N/A
	<input type="checkbox"/> No
Vehicles tracking sediment or mud off site at entrance/exit areas.	<input type="checkbox"/> Yes s
	<input checked="" type="checkbox"/> No
Storage/containment areas - evidence of pollutants entering drainage system.	<input type="checkbox"/> Yes s
	<input checked="" type="checkbox"/> No
Will a Non-compliance report be submitted?	<input type="checkbox"/> Yes s
	<input checked="" type="checkbox"/> No

Corrective Action Implementation (to be completed within 7 days of inspection):

SWPPP INSPECTION REPORT

PROJECT
LOCATION
OWNER

Date of Inspection:	
<i>8-3-18</i>	<input type="checkbox"/> Rain Event, 0.5" or Greater
Type of Inspection:	<input checked="" type="checkbox"/> Weekly Scheduled
	<input type="checkbox"/> Site Entrance/Exit
Inspector's Name:	<i>Ross Wilson</i>
Qualifications/Position:	<i>Foreman</i>

Construction Area(s) identified and description of major observations relevant to implementation of the Storm Water Pollution Prevention Plan (SWPPP):

Fap and Dap

Conditions:

Temporary vegetation installed within 7 days after construction (% germinated)	<input type="checkbox"/> Yes s	<input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No	
Final Vegetation installed after completion of construction (% germinated)	<input type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No	
Straw mulch applied and crimped in place after seeding.	<input type="checkbox"/> Yes s	<input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No	
Straw bale check dam(s) in place.	<input checked="" type="checkbox"/> Yes s	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Sediment removed after major rain event.	<input type="checkbox"/> Yes s	<input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No	
Silt fence placed, securely attached, intact (no tears, damage, etc.)	<input checked="" type="checkbox"/> Yes s	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Erosion control blankets placed.	<input type="checkbox"/> Yes s	<input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No	
Inlet Protection in place.	<input checked="" type="checkbox"/> Yes s	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Vehicles tracking sediment or mud off site at entrance/exit areas.	<input type="checkbox"/> Yes s	
	<input checked="" type="checkbox"/> No	
Storage/containment areas - evidence of pollutants entering drainage system.	<input type="checkbox"/> Yes s	
	<input checked="" type="checkbox"/> No	
Will a Non-compliance report be submitted?	<input type="checkbox"/> Yes s	
	<input checked="" type="checkbox"/> No	

Corrective Action Implementation (to be completed within 7 days of inspection):

SWPPP INSPECTION REPORT

PROJECT
LOCATION
OWNER

Date of Inspection:	
8-10-18	<input type="checkbox"/> Rain Event, 0.5" or Greater
Type of Inspection:	<input checked="" type="checkbox"/> Weekly Scheduled
	<input type="checkbox"/> Site Entrance/Exit
Inspector's Name:	Ross Wilson
Qualifications/Position:	Foreman

Construction Area(s) identified and description of major observations relevant to implementation of the Storm Water Pollution Prevention Plan (SWPPP):

FAP and BAP

Conditions:

Temporary vegetation installed within 7 days after construction (% germinated)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Final Vegetation installed after completion of construction (% germinated)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Straw mulch applied and crimped in place after seeding.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Straw bale check dam(s) in place.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Sediment removed after major rain event.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Silt fence placed, securely attached, intact (no tears, damage, etc.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Erosion control blankets placed.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Inlet Protection in place.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Vehicles tracking sediment or mud off site at entrance/exit areas.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Storage/containment areas - evidence of pollutants entering drainage system.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Will a Non-compliance report be submitted?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

Corrective Action Implementation (to be completed within 7 days of inspection):

SWPPP INSPECTION REPORT

PROJECT
LOCATION
OWNER

Date of Inspection:	<u>8-17-18</u>	<input type="checkbox"/> Rain Event, 0.5" or Greater
Type of Inspection:		<input checked="" type="checkbox"/> Weekly Scheduled
		<input type="checkbox"/> Site Entrance/Exit
Inspector's Name:	<u>Ross Wilson</u>	
Qualifications/Position:	<u>Foreman</u>	

Construction Area(s) identified and description of major observations relevant to implementation of the Storm Water Pollution Prevention Plan (SWPPP):

Fap Bap

Conditions:

Temporary vegetation installed within 7 days after construction (% germinated)	<input type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No	
Final Vegetation installed after completion of construction (% germinated)	<input type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No	
Straw mulch applied and crimped in place after seeding.	<input type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No	
Straw bale check dam(s) in place.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Sediment removed after major rain event.	<input type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No	
Silt fence placed, securely attached, intact (no tears, damage, etc.)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Erosion control blankets placed.	<input type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No	
Inlet Protection in place.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Vehicles tracking sediment or mud off site at entrance/exit areas.	<input type="checkbox"/> Yes	
	<input checked="" type="checkbox"/> No	
Storage/containment areas - evidence of pollutants entering drainage system.	<input type="checkbox"/> Yes	
	<input checked="" type="checkbox"/> No	
Will a Non-compliance report be submitted?	<input type="checkbox"/> Yes	
	<input checked="" type="checkbox"/> No	

Corrective Action Implementation (to be completed within 7 days of inspection):

Electronic Filing: Received, Clerk's Office 08/3/2023
 SWPPP INSPECTION REPORT

PROJECT
 LOCATION
 OWNER

Date of Inspection:	
8-24-18	<input type="checkbox"/> Rain Event, 0.5" or Greater
Type of Inspection:	<input checked="" type="checkbox"/> Weekly Scheduled
	<input type="checkbox"/> Site Entrance/Exit
Inspector's Name:	Ross Wilson
Qualifications/Position:	Foreman

Construction Area(s) identified and description of major observations relevant to implementation of the Storm Water Pollution Prevention Plan (SWPPP):

FAP BAP

Conditions:

Temporary vegetation installed within 7 days after construction (% germinated)	<input type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No	
Final Vegetation installed after completion of construction (% germinated)	<input type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No	
Straw mulch applied and crimped in place after seeding.	<input type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No	
Straw bale check dam(s) in place.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Sediment removed after major rain event.	<input type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No	
Silt fence placed, securely attached, intact (no tears, damage, etc.)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Erosion control blankets placed.	<input type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No	
Inlet Protection in place.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Vehicles tracking sediment or mud off site at entrance/exit areas.	<input type="checkbox"/> Yes	
	<input checked="" type="checkbox"/> No	
Storage/containment areas - evidence of pollutants entering drainage system.	<input type="checkbox"/> Yes	
	<input checked="" type="checkbox"/> No	
Will a Non-compliance report be submitted?	<input type="checkbox"/> Yes	
	<input checked="" type="checkbox"/> No	

Corrective Action implementation (to be completed within 7 days of inspection):

SWPPP INSPECTION REPORT

PROJECT
LOCATION
OWNER

Date of Inspection:	
<i>8-31-18</i>	<input type="checkbox"/> Rain Event, 0.5" or Greater
Type of Inspection:	<input checked="" type="checkbox"/> Weekly Scheduled
	<input type="checkbox"/> Site Entrance/Exit
Inspector's Name:	<i>Ross Wilson</i>
Qualifications/Position:	<i>Foreman</i>

Construction Area(s) identified and description of major observations relevant to implementation of the Storm Water Pollution Prevention Plan (SWPPP):

FAP BAP

Conditions:

Temporary vegetation installed within 7 days after construction (% germinated)	<input type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No	
Final Vegetation installed after completion of construction (% germinated)	<input type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No	
Straw mulch applied and crimped in place after seeding.	<input type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No	
Straw bale check dam(s) in place.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Sediment removed after major rain event.	<input type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No	
Silt fence placed, securely attached, intact (no tears, damage, etc.)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Erosion control blankets placed.	<input type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No	
Inlet Protection in place.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Vehicles tracking sediment or mud off site at entrance/exit areas.	<input type="checkbox"/> Yes	
	<input checked="" type="checkbox"/> No	
Storage/containment areas - evidence of pollutants entering drainage system.	<input type="checkbox"/> Yes	
	<input checked="" type="checkbox"/> No	
Will a Non-compliance report be submitted?	<input type="checkbox"/> Yes	
	<input checked="" type="checkbox"/> No	

Corrective Action Implementation (to be completed within 7 days of inspection):

SWPPP INSPECTION REPORT

PROJECT
LOCATION
OWNER

Date of Inspection:	
9-7-18	<input type="checkbox"/> Rain Event, 0.5" or Greater
Type of Inspection:	<input checked="" type="checkbox"/> Weekly Scheduled
	<input type="checkbox"/> Site Entrance/Exit
Inspector's Name:	Ross Wilson
Qualifications/Position:	Foreman

Construction Area(s) identified and description of major observations relevant to implementation of the Storm Water Pollution Prevention Plan (SWPPP):

FAP BAP

Conditions:

Temporary vegetation installed within 7 days after construction (% germinated)	<input type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No	
Final Vegetation installed after completion of construction (% germinated)	<input type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No	
Straw mulch applied and crimped in place after seeding.	<input type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No	
Straw bale check dam(s) in place.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Sediment removed after major rain event.	<input type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No	
Silt fence placed, securely attached, intact (no tears, damage, etc.)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Erosion control blankets placed.	<input type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No	
Inlet Protection in place.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Vehicles tracking sediment or mud off site at entrance/exit areas.	<input type="checkbox"/> Yes	
	<input checked="" type="checkbox"/> No	
Storage/containment areas - evidence of pollutants entering drainage system.	<input type="checkbox"/> Yes	
	<input checked="" type="checkbox"/> No	
Will a Non-compliance report be submitted?	<input type="checkbox"/> Yes	
	<input checked="" type="checkbox"/> No	

Corrective Action Implementation (to be completed within 7 days of inspection):

SWPPP INSPECTION REPORT

PROJECT
LOCATION
OWNER

Date of Inspection:	
9-14-18	<input type="checkbox"/> Rain Event, 0.5" or Greater
Type of Inspection:	<input checked="" type="checkbox"/> Weekly Scheduled
	<input type="checkbox"/> Site Entrance/Exit
Inspector's Name:	Ross Wilson
Qualifications/Position:	Foreman

Construction Area(s) identified and description of major observations relevant to implementation of the Storm Water Pollution Prevention Plan (SWPPP):

FAP BAP

Conditions:

Temporary vegetation installed within 7 days after construction (% germinated)	<input type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No	
Final Vegetation installed after completion of construction (% germinated)	<input type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No	
Straw mulch applied and crimped in place after seeding.	<input type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No	
Straw bale check dam(s) in place.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Sediment removed after major rain event.	<input type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No	
Silt fence placed, securely attached, intact (no tears, damage, etc.)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Erosion control blankets placed.	<input type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No	
Inlet Protection in place.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Vehicles tracking sediment or mud off site at entrance/exit areas.	<input type="checkbox"/> Yes	
	<input checked="" type="checkbox"/> No	
Storage/containment areas - evidence of pollutants entering drainage system.	<input type="checkbox"/> Yes	
	<input checked="" type="checkbox"/> No	
Will a Non-compliance report be submitted?	<input type="checkbox"/> Yes	
	<input checked="" type="checkbox"/> No	

Corrective Action Implementation (to be completed within 7 days of inspection):

SWPPP INSPECTION REPORT

PROJECT
LOCATION
OWNER

Date of Inspection:	
<i>9-21-18</i>	<input type="checkbox"/> Rain Event, 0.5" or Greater
Type of Inspection:	<input checked="" type="checkbox"/> Weekly Scheduled
	<input type="checkbox"/> Site Entrance/Exit
Inspector's Name:	<i>Ross Wilson</i>
Qualifications/Position:	<i>Foreman</i>

Construction Area(s) identified and description of major observations relevant to implementation of the Storm Water Pollution Prevention Plan (SWPPP):

FAP BAP

Conditions:

Temporary vegetation installed within 7 days after construction (% germinated)	<input type="checkbox"/> Yes <input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No
Final Vegetation installed after completion of construction (% germinated)	<input type="checkbox"/> Yes <input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No
Straw mulch applied and crimped in place after seeding.	<input type="checkbox"/> Yes <input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No
Straw bale check dam(s) in place.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
	<input type="checkbox"/> No
Sediment removed after major rain event.	<input type="checkbox"/> Yes <input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No
Silt fence placed, securely attached, intact (no tears, damage, etc.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
	<input type="checkbox"/> No
Erosion control blankets placed.	<input type="checkbox"/> Yes <input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No
Inlet Protection in place.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
	<input type="checkbox"/> No
Vehicles tracking sediment or mud off site at entrance/exit areas.	<input type="checkbox"/> Yes
	<input checked="" type="checkbox"/> No
Storage/containment areas - evidence of pollutants entering drainage system.	<input type="checkbox"/> Yes
	<input checked="" type="checkbox"/> No
Will a Non-compliance report be submitted?	<input type="checkbox"/> Yes
	<input checked="" type="checkbox"/> No

Corrective Action Implementation (to be completed within 7 days of inspection):

SWPPP INSPECTION REPORT

PROJECT
LOCATION
OWNER

Date of Inspection:	
9-28-18	<input type="checkbox"/> Rain Event, 0.5" or Greater
Type of Inspection:	<input checked="" type="checkbox"/> Weekly Scheduled
	<input type="checkbox"/> Site Entrance/Exit
Inspector's Name:	Ross Wilson
Qualifications/Position:	Foreman

Construction Area(s) identified and description of major observations relevant to implementation of the Storm Water Pollution Prevention Plan (SWPPP):

FAP BAP

Conditions:

Temporary vegetation installed within 7 days after construction (% germinated)	<input type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No	
Final Vegetation installed after completion of construction (% germinated)	<input type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No	
Straw mulch applied and crimped in place after seeding.	<input type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No	
Straw bale check dam(s) in place.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Sediment removed after major rain event.	<input type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No	
Silt fence placed, securely attached, intact (no tears, damage, etc.)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Erosion control blankets placed.	<input type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No	
Inlet Protection in place.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Vehicles tracking sediment or mud off site at entrance/exit areas.	<input type="checkbox"/> Yes	
	<input checked="" type="checkbox"/> No	
Storage/containment areas - evidence of pollutants entering drainage system.	<input type="checkbox"/> Yes	
	<input checked="" type="checkbox"/> No	
Will a Non-compliance report be submitted?	<input type="checkbox"/> Yes	
	<input checked="" type="checkbox"/> No	

Corrective Action Implementation (to be completed within 7 days of inspection):

SWPPP INSPECTION REPORT

PROJECT
LOCATION
OWNER

Date of Inspection:	
<i>10-3-18</i>	<input type="checkbox"/> Rain Event, 0.5" or Greater
Type of Inspection:	<input type="checkbox"/> Weekly Scheduled
	<input checked="" type="checkbox"/> Site Entrance/Exit
Inspector's Name:	<i>Ross Wilson</i>
Qualifications/Position:	<i>Foreman</i>

Construction Area(s) identified and description of major observations relevant to implementation of the Storm Water Pollution Prevention Plan (SWPPP) :

FAP BAP

Conditions:

Temporary vegetation installed within 7 days after construction (% germinated)	<input type="checkbox"/> Yes <input type="checkbox"/> N/A
	<input type="checkbox"/> No
Final Vegetation installed after completion of construction (% germinated)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
	<input type="checkbox"/> No
Straw mulch applied and crimped in place after seeding.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
	<input type="checkbox"/> No
Straw bale check dam(s) in place.	<input type="checkbox"/> Yes <input type="checkbox"/> N/A
	<input type="checkbox"/> No
Sediment removed after major rain event.	<input type="checkbox"/> Yes <input type="checkbox"/> N/A
	<input type="checkbox"/> No
Silt fence placed, securely attached, intact (no tears, damage, etc.)	<input type="checkbox"/> Yes <input type="checkbox"/> N/A
	<input type="checkbox"/> No
Erosion control blankets placed.	<input type="checkbox"/> Yes <input type="checkbox"/> N/A
	<input type="checkbox"/> No
Inlet Protection in place.	<input type="checkbox"/> Yes <input type="checkbox"/> N/A
	<input type="checkbox"/> No
Vehicles tracking sediment or mud off site at entrance/exit areas.	<input type="checkbox"/> Yes
	<input type="checkbox"/> No
Storage/containment areas - evidence of pollutants entering drainage system.	<input type="checkbox"/> Yes
	<input type="checkbox"/> No
Will a Non-compliance report be submitted?	<input type="checkbox"/> Yes
	<input type="checkbox"/> No

Corrective Action Implementation (to be completed within 7 days of inspection):

Removal of SWPPP for end of job

SWPPP INSPECTION REPORT

PROJECT
LOCATION
OWNER

Date of Inspection:	
<i>10-12-2018</i>	<input type="checkbox"/> Rain Event, 0.5" or Greater
Type of Inspection:	<input checked="" type="checkbox"/> Weekly Scheduled
	<input type="checkbox"/> Site Entrance/Exit
Inspector's Name:	<i>Ross Wilson</i>
Qualifications/Position:	<i>Foreman</i>

Construction Area(s) identified and description of major observations relevant to implementation of the Storm Water Pollution Prevention Plan (SWPPP):

FAP BAP

Conditions:

Temporary vegetation installed within 7 days after construction (% germinated)	<input type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No	
Final Vegetation installed after completion of construction (% germinated)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Straw mulch applied and crimped in place after seeding.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Straw bale check dam(s) in place.	<input type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No	
Sediment removed after major rain event.	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> N/A
	<input type="checkbox"/> No	
Silt fence placed, securely attached, intact (no tears, damage, etc.)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> N/A
	<input type="checkbox"/> No	
Erosion control blankets placed.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Inlet Protection in place.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Vehicles tracking sediment or mud off site at entrance/exit areas.	<input type="checkbox"/> Yes	
	<input checked="" type="checkbox"/> No	
Storage/containment areas - evidence of pollutants entering drainage system.	<input type="checkbox"/> Yes	
	<input checked="" type="checkbox"/> No	
Will a Non-compliance report be submitted?	<input type="checkbox"/> Yes	
	<input checked="" type="checkbox"/> No	

Corrective Action Implementation (to be completed within 7 days of inspection):

SWPPP INSPECTION REPORT

PROJECT
LOCATION
OWNER

Date of Inspection:	
<i>10-19-2018</i>	<input type="checkbox"/> Rain Event, 0.5" or Greater
Type of Inspection:	<input checked="" type="checkbox"/> Weekly Scheduled
	<input type="checkbox"/> Site Entrance/Exit
Inspector's Name:	<i>Ross Wilson</i>
Qualifications/Position:	<i>Foremen</i>

Construction Area(s) identified and description of major observations relevant to implementation of the Storm Water Pollution Prevention Plan (SWPPP):

FAP BAP

Conditions:

Temporary vegetation installed within 7 days after construction (% germinated)	<input type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No	
Final Vegetation installed after completion of construction (% germinated)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Straw mulch applied and crimped in place after seeding.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Straw bale check dam(s) in place.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Sediment removed after major rain event.	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> N/A
	<input type="checkbox"/> No	
Silt fence placed, securely attached, intact (no tears, damage, etc.)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> N/A
	<input type="checkbox"/> No	
Erosion control blankets placed.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Inlet Protection in place.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Vehicles tracking sediment or mud off site at entrance/exit areas.	<input type="checkbox"/> Yes	
	<input checked="" type="checkbox"/> No	
Storage/containment areas - evidence of pollutants entering drainage system.	<input type="checkbox"/> Yes	
	<input checked="" type="checkbox"/> No	
Will a Non-compliance report be submitted?	<input type="checkbox"/> Yes	
	<input checked="" type="checkbox"/> No	

Corrective Action Implementation (to be completed within 7 days of inspection):

SWPPP INSPECTION REPORT

PROJECT
LOCATION
OWNER

Date of Inspection:	
10-26-2018	<input type="checkbox"/> Rain Event, 0.5" or Greater
Type of Inspection:	<input checked="" type="checkbox"/> Weekly Scheduled
	<input type="checkbox"/> Site Entrance/Exit
Inspector's Name:	Ross Wilson
Qualifications/Position:	Foreman

Construction Area(s) identified and description of major observations relevant to implementation of the Storm Water Pollution Prevention Plan (SWPPP):

FAP BAP

Conditions:

Temporary vegetation installed within 7 days after construction (% germinated)	<input type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No	
Final Vegetation installed after completion of construction (% germinated)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Straw mulch applied and crimped in place after seeding.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Straw bale check dam(s) in place.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Sediment removed after major rain event.	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> N/A
	<input type="checkbox"/> No	
Silt fence placed, securely attached, intact (no tears, damage, etc.)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> N/A
	<input type="checkbox"/> No	
Erosion control blankets placed.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Inlet Protection in place.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Vehicles tracking sediment or mud off site at entrance/exit areas.	<input type="checkbox"/> Yes	
	<input checked="" type="checkbox"/> No	
Storage/containment areas - evidence of pollutants entering drainage system.	<input type="checkbox"/> Yes	
	<input checked="" type="checkbox"/> No	
Will a Non-compliance report be submitted?	<input type="checkbox"/> Yes	
	<input checked="" type="checkbox"/> No	

Corrective Action Implementation (to be completed within 7 days of inspection):

SWPPP INSPECTION REPORT

PROJECT
LOCATION
OWNER

Date of Inspection:	
11-2-2018	<input type="checkbox"/> Rain Event, 0.5" or Greater
Type of Inspection:	<input checked="" type="checkbox"/> Weekly Scheduled
	<input type="checkbox"/> Site Entrance/Exit
Inspector's Name:	Ross Wilson
Qualifications/Position:	Foreman

Construction Area(s) identified and description of major observations relevant to implementation of the Storm Water Pollution Prevention Plan (SWPPP):

FAP BAP

Conditions:

Temporary vegetation installed within 7 days after construction (% germinated)	<input type="checkbox"/> Yes <input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No
Final Vegetation installed after completion of construction (% germinated)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
	<input type="checkbox"/> No
Straw mulch applied and crimped in place after seeding.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
	<input type="checkbox"/> No
Straw bale check dam(s) in place.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
	<input type="checkbox"/> No
Sediment removed after major rain event.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A
	<input type="checkbox"/> No
Silt fence placed, securely attached, intact (no tears, damage, etc.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A
	<input type="checkbox"/> No
Erosion control blankets placed.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
	<input type="checkbox"/> No
Inlet Protection in place.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
	<input type="checkbox"/> No
Vehicles tracking sediment or mud off site at entrance/exit areas.	<input type="checkbox"/> Yes
	<input checked="" type="checkbox"/> No
Storage/containment areas - evidence of pollutants entering drainage system.	<input type="checkbox"/> Yes
	<input checked="" type="checkbox"/> No
Will a Non-compliance report be submitted?	<input type="checkbox"/> Yes
	<input checked="" type="checkbox"/> No

Corrective Action Implementation (to be completed within 7 days of inspection):

SWPPP INSPECTION REPORT
PROJECT
LOCATION
OWNER

Date of Inspection: <i>11-9-2018</i>	<input type="checkbox"/> Rain Event, 0.5" or Greater <input type="checkbox"/> Weekly Scheduled <input type="checkbox"/> Site Entrance/Exit
Type of Inspection:	
Inspector's Name:	
Qualifications/Position:	

Construction Area(s) identified and description of major observations relevant to implementation of the Storm Water Pollution Prevention Plan (SWPPP) :

FAP BAP

Conditions:

Temporary vegetation installed within 7 days after construction (% germinated)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Final Vegetation installed after completion of construction (% germinated)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Straw mulch applied and crimped in place after seeding.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Straw bale check dam(s) in place.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Sediment removed after major rain event.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Silt fence placed, securely attached, intact (no tears, damage, etc.)	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Erosion control blankets placed.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Inlet Protection in place.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Vehicles tracking sediment or mud off site at entrance/exit areas.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Storage/containment areas - evidence of pollutants entering drainage system.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Will a Non-compliance report be submitted?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

Corrective Action Implementation (to be completed within 7 days of inspection):

SWPPP INSPECTION REPORT
PROJECT
LOCATION
OWNER

Date of Inspection:	
<i>11-19-2018</i>	<input type="checkbox"/> Rain Event, 0.5" or Greater
Type of Inspection:	<input checked="" type="checkbox"/> Weekly Scheduled
	<input type="checkbox"/> Site Entrance/Exit
Inspector's Name:	<i>Ross Wilson</i>
Qualifications/Position:	<i>Foreman</i>

Construction Area(s) identified and description of major observations relevant to implementation of the Storm Water Pollution Prevention Plan (SWPPP) :

FAP BAP

Conditions:

Temporary vegetation installed within 7 days after construction (% germinated)	<input type="checkbox"/> Yes <input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No
Final Vegetation installed after completion of construction (% germinated)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
	<input type="checkbox"/> No
Straw mulch applied and crimped in place after seeding.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
	<input type="checkbox"/> No
Straw bale check dam(s) in place.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
	<input type="checkbox"/> No
Sediment removed after major rain event.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A
	<input type="checkbox"/> No
Silt fence placed, securely attached, intact (no tears, damage, etc.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A
	<input type="checkbox"/> No
Erosion control blankets placed.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
	<input type="checkbox"/> No
Inlet Protection in place.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
	<input type="checkbox"/> No
Vehicles tracking sediment or mud off site at entrance/exit areas.	<input type="checkbox"/> Yes
	<input checked="" type="checkbox"/> No
Storage/containment areas - evidence of pollutants entering drainage system.	<input type="checkbox"/> Yes
	<input checked="" type="checkbox"/> No
Will a Non-compliance report be submitted?	<input type="checkbox"/> Yes
	<input checked="" type="checkbox"/> No

Corrective Action Implementation (to be completed within 7 days of inspection):

SWPPP INSPECTION REPORT
PROJECT
LOCATION
OWNER

Date of Inspection:	<input type="checkbox"/> Rain Event, 0.5" or Greater <input checked="" type="checkbox"/> Weekly Scheduled <input type="checkbox"/> Site Entrance/Exit
11-26-2018	
Type of Inspection:	
Inspector's Name:	Ross Wilson
Qualifications/Position:	Foreman

Construction Area(s) identified and description of major observations relevant to implementation of the Storm Water Pollution Prevention Plan (SWPPP) :

FAP BAP

Conditions:

Temporary vegetation installed within 7 days after construction (% germinated)	<input type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No	
Final Vegetation installed after completion of construction (% germinated)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Straw mulch applied and crimped in place after seeding.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Straw bale check dam(s) in place.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Sediment removed after major rain event.	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> N/A
	<input type="checkbox"/> No	
Silt fence placed, securely attached, intact (no tears, damage, etc.)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> N/A
	<input type="checkbox"/> No	
Erosion control blankets placed.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Inlet Protection in place.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Vehicles tracking sediment or mud off site at entrance/exit areas.	<input type="checkbox"/> Yes	
	<input checked="" type="checkbox"/> No	
Storage/containment areas - evidence of pollutants entering drainage system.	<input type="checkbox"/> Yes	
	<input checked="" type="checkbox"/> No	
Will a Non-compliance report be submitted?	<input type="checkbox"/> Yes	
	<input checked="" type="checkbox"/> No	

Corrective Action Implementation (to be completed within 7 days of inspection):

SWPPP INSPECTION REPORT
PROJECT
LOCATION
OWNER

Date of Inspection:	
<i>11-30-2018</i>	<input type="checkbox"/> Rain Event, 0.5" or Greater
Type of Inspection:	<input checked="" type="checkbox"/> Weekly Scheduled
	<input type="checkbox"/> Site Entrance/Exit
Inspector's Name:	<i>Ross Wilson</i>
Qualifications/Position:	<i>Foreman</i>

Construction Area(s) identified and description of major observations relevant to implementation of the Storm Water Pollution Prevention Plan (SWPPP):

FAP BAP

Conditions:

Temporary vegetation installed within 7 days after construction (% germinated)	<input type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No	
Final Vegetation installed after completion of construction (% germinated)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Straw mulch applied and crimped in place after seeding.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Straw bale check dam(s) in place.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Sediment removed after major rain event.	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> N/A
	<input type="checkbox"/> No	
Silt fence placed, securely attached, intact (no tears, damage, etc.)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> N/A
	<input type="checkbox"/> No	
Erosion control blankets placed.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Inlet Protection in place.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Vehicles tracking sediment or mud off site at entrance/exit areas.	<input type="checkbox"/> Yes	
	<input checked="" type="checkbox"/> No	
Storage/containment areas - evidence of pollutants entering drainage system.	<input type="checkbox"/> Yes	
	<input checked="" type="checkbox"/> No	
Will a Non-compliance report be submitted?	<input type="checkbox"/> Yes	
	<input checked="" type="checkbox"/> No	

Corrective Action Implementation (to be completed within 7 days of inspection):

SWPPP INSPECTION REPORT

PROJECT
LOCATION
OWNER

Date of Inspection:	<i>12-4-2014</i>	<input type="checkbox"/> Rain Event, 0.5" or Greater
Type of Inspection:		<input checked="" type="checkbox"/> Weekly Scheduled
		<input type="checkbox"/> Site Entrance/Exit
Inspector's Name:	<i>Ross Wilson</i>	
Qualifications/Position:	<i>Foremen</i>	

Construction Area(s) identified and description of major observations relevant to implementation of the Storm Water Pollution Prevention Plan (SWPPP) :

FAP BAP

Conditions:

Temporary vegetation installed within 7 days after construction (% germinated)	<input type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No	
Final Vegetation installed after completion of construction (% germinated)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Straw mulch applied and crimped in place after seeding.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Straw bale check dam(s) in place.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Sediment removed after major rain event.	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> N/A
	<input type="checkbox"/> No	
Silt fence placed, securely attached, intact (no tears, damage, etc.)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> N/A
	<input type="checkbox"/> No	
Erosion control blankets placed.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Inlet Protection in place.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Vehicles tracking sediment or mud off site at entrance/exit areas.	<input type="checkbox"/> Yes	
	<input checked="" type="checkbox"/> No	
Storage/containment areas - evidence of pollutants entering drainage system.	<input type="checkbox"/> Yes	
	<input checked="" type="checkbox"/> No	
Will a Non-compliance report be submitted?	<input type="checkbox"/> Yes	
	<input checked="" type="checkbox"/> No	

Corrective Action Implementation (to be completed within 7 days of inspection):

SWPPP INSPECTION REPORT

PROJECT
LOCATION
OWNER

MEREDOSIA
AMEREN

Date of Inspection:	<u>DEC 11, 2018</u>	<input type="checkbox"/> Rain Event, 0.5" or Greater
Type of Inspection:		<input checked="" type="checkbox"/> Weekly Scheduled
		<input type="checkbox"/> Site Entrance/Exit
Inspector's Name:	<u>STEVE POTTER</u>	
Qualifications/Position:	<u>CONSTRUCTION SUPERV.</u>	

Construction Area(s) identified and description of major observations relevant to implementation of the Storm Water Pollution Prevention Plan (SWPPP):

FAP & BOTTOM ASH POND & AREA

Conditions:

Temporary vegetation installed within 7 days after construction (% germinated)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Final Vegetation installed after completion of construction (% germinated)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Straw mulch applied and crimped in place after seeding.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Straw bale check dam(s) in place.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Sediment removed after major rain event.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Silt fence placed, securely attached, intact (no tears, damage, etc.)	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Erosion control blankets placed.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Inlet Protection in place.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Vehicles tracking sediment or mud off site at entrance/exit areas.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Storage/containment areas - evidence of pollutants entering drainage system.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Will a Non-compliance report be submitted?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

Corrective Action Implementation (to be completed within 7 days of inspection):

No Prob noted 20°F night
35°F day

SWPPP INSPECTION REPORT

PROJECT
LOCATION
OWNER

Date of Inspection:	<u>12-13-18</u>	<input type="checkbox"/> Rain Event, 0.5" or Greater
Type of Inspection:		<input checked="" type="checkbox"/> Weekly Scheduled
		<input type="checkbox"/> Site Entrance/Exit
Inspector's Name:	<u>Ross Wilson</u>	
Qualifications/Position:	<u>Foreman</u>	

Construction Area(s) identified and description of major observations relevant to implementation of the Storm Water Pollution Prevention Plan (SWPPP) :

FAP and BAP

Conditions:

Temporary vegetation installed within 7 days after construction (% germinated)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Final Vegetation installed after completion of construction (% germinated)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Straw mulch applied and crimped in place after seeding.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Straw bale check dam(s) in place.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Sediment removed after major rain event.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Silt fence placed, securely attached, intact (no tears, damage, etc.)	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Erosion control blankets placed.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Inlet Protection in place.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Vehicles tracking sediment or mud off site at entrance/exit areas.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Storage/containment areas - evidence of pollutants entering drainage system.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Will a Non-compliance report be submitted?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

Corrective Action Implementation (to be completed within 7 days of inspection):

No Prob found

SWPPP INSPECTION REPORT

PROJECT
LOCATION
OWNER

MEREDITH
AMEREN

Date of Inspection:	DEC 18 2018	
Type of Inspection:	<input type="checkbox"/> Rain Event, 0.5" or Greater	
	<input checked="" type="checkbox"/> Weekly Scheduled	
	<input type="checkbox"/> Site Entrance/Exit	
Inspector's Name:	STEVE POTTER	
Qualifications/Position:	CONSTRUCTION SUPERV	

Construction Area(s) identified and description of major observations relevant to implementation of the Storm Water Pollution Prevention Plan (SWPPP):

FAP & BAP AREAS

Conditions:

Temporary vegetation installed within 7 days after construction (% germinated)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Final Vegetation installed after completion of construction (% germinated)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Straw mulch applied and crimped in place after seeding.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Straw bale check dam(s) in place.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Sediment removed after major rain event.	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Silt fence placed, securely attached, intact (no tears, damage, etc.)	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Erosion control blankets placed.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Inlet Protection in place.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Vehicles tracking sediment or mud off site at entrance/exit areas.	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
Storage/containment areas - evidence of pollutants entering drainage system.	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
Will a Non-compliance report be submitted?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	

Corrective Action Implementation (to be completed within 7 days of inspection):

No PROBLEMS FOUND

SWPPP INSPECTION REPORT

PROJECT
LOCATION
OWNER

Date of Inspection:	<u>DEC 26, 2018</u>	<input type="checkbox"/> Rain Event, 0.5" or Greater
Type of Inspection:		<input checked="" type="checkbox"/> Weekly Scheduled
		<input type="checkbox"/> Site Entrance/Exit
Inspector's Name:	<u>STEVE POTTER</u>	
Qualifications/Position:	<u>CONSTRUCTION SUPERV</u>	

Construction Area(s) identified and description of major observations relevant to implementation of the Storm Water Pollution Prevention Plan (SWPPP):

FAP & BAP AREAS

Conditions:

Temporary vegetation installed within 7 days after construction (% germinated)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Final Vegetation installed after completion of construction (% germinated)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Straw mulch applied and crimped in place after seeding.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Straw bale check dam(s) in place.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Sediment removed after major rain event.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Silt fence placed, securely attached, intact (no tears, damage, etc.)	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Erosion control blankets placed.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Inlet Protection in place.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Vehicles tracking sediment or mud off site at entrance/exit areas.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Storage/containment areas - evidence of pollutants entering drainage system.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Will a Non-compliance report be submitted?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

Corrective Action Implementation (to be completed within 7 days of inspection):

No problems found

SWPPP INSPECTION REPORT

PROJECT
LOCATION
OWNER

AMEREN
MEREDOSIA

Date of Inspection:		
Type of Inspection:	<input checked="" type="checkbox"/> Rain Event, 0.5" or Greater	RAIN 2" - 48 hr. ago
	<input type="checkbox"/> Weekly Scheduled	
	<input type="checkbox"/> Site Entrance/Exit	
Inspector's Name:	STEVE POTTER	
Qualifications/Position:	CONSTRUCTION SUPERV	

Construction Area(s) identified and description of major observations relevant to implementation of the Storm Water Pollution Prevention Plan (SWPPP):

FAP & BAP AREAS

Conditions:

Temporary vegetation installed within 7 days after construction (% germinated)	<input type="checkbox"/> Yes <input type="checkbox"/> N/A	<input checked="" type="checkbox"/> No
Final Vegetation installed after completion of construction (% germinated)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A	<input type="checkbox"/> No
Straw mulch applied and crimped in place after seeding.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A	<input type="checkbox"/> No
Straw bale check dam(s) in place.	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A	<input type="checkbox"/> No
Sediment removed after major rain event. NOT NEEDED	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A	<input type="checkbox"/> No
Silt fence placed, securely attached, intact (no tears, damage, etc.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A	<input type="checkbox"/> No
Erosion control blankets placed.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A	<input type="checkbox"/> No
Inlet Protection in place.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A	<input type="checkbox"/> No
Vehicles tracking sediment or mud off site at entrance/exit areas.	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Storage/containment areas - evidence of pollutants entering drainage system.	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Will a Non-compliance report be submitted?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No

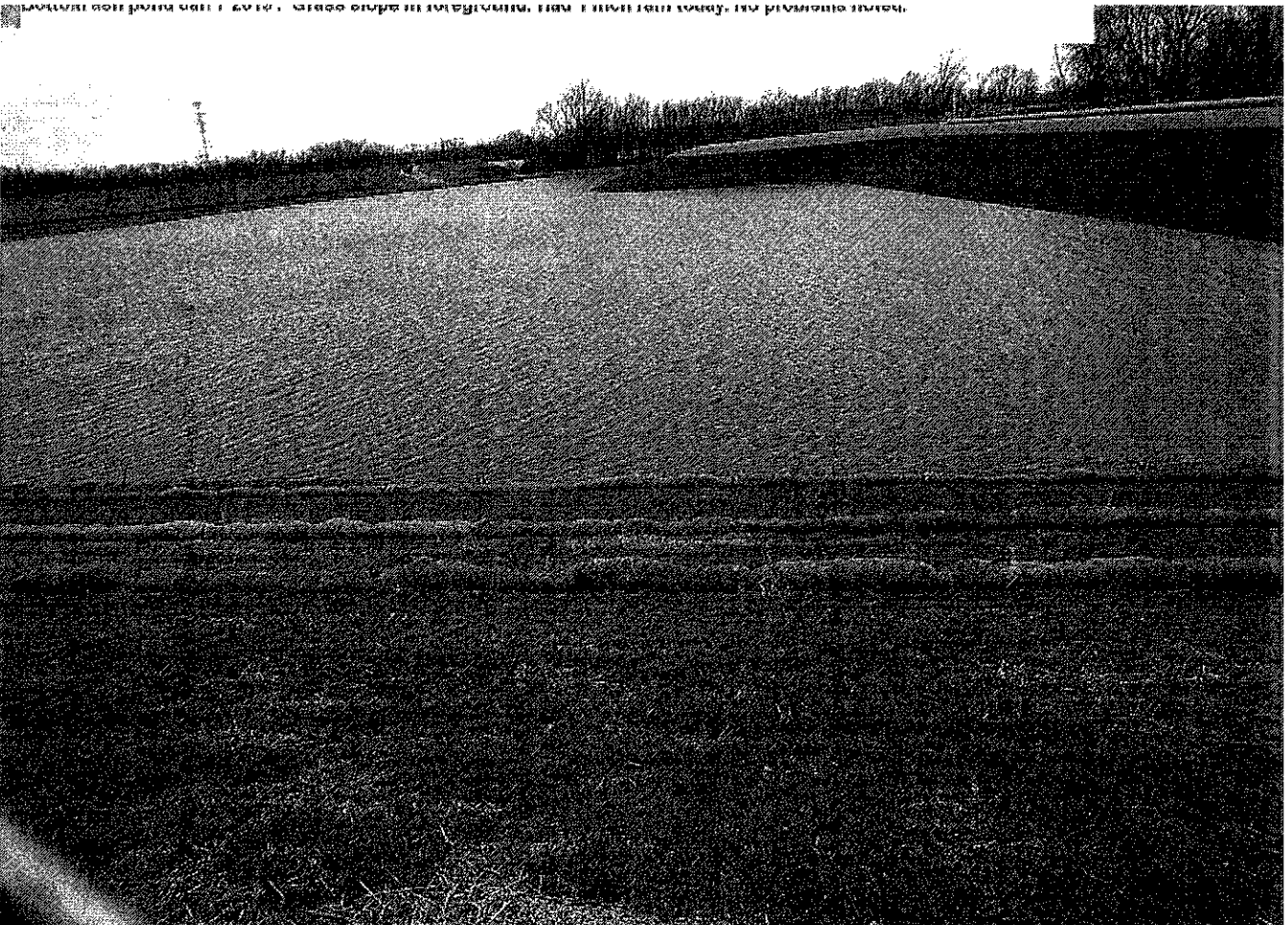
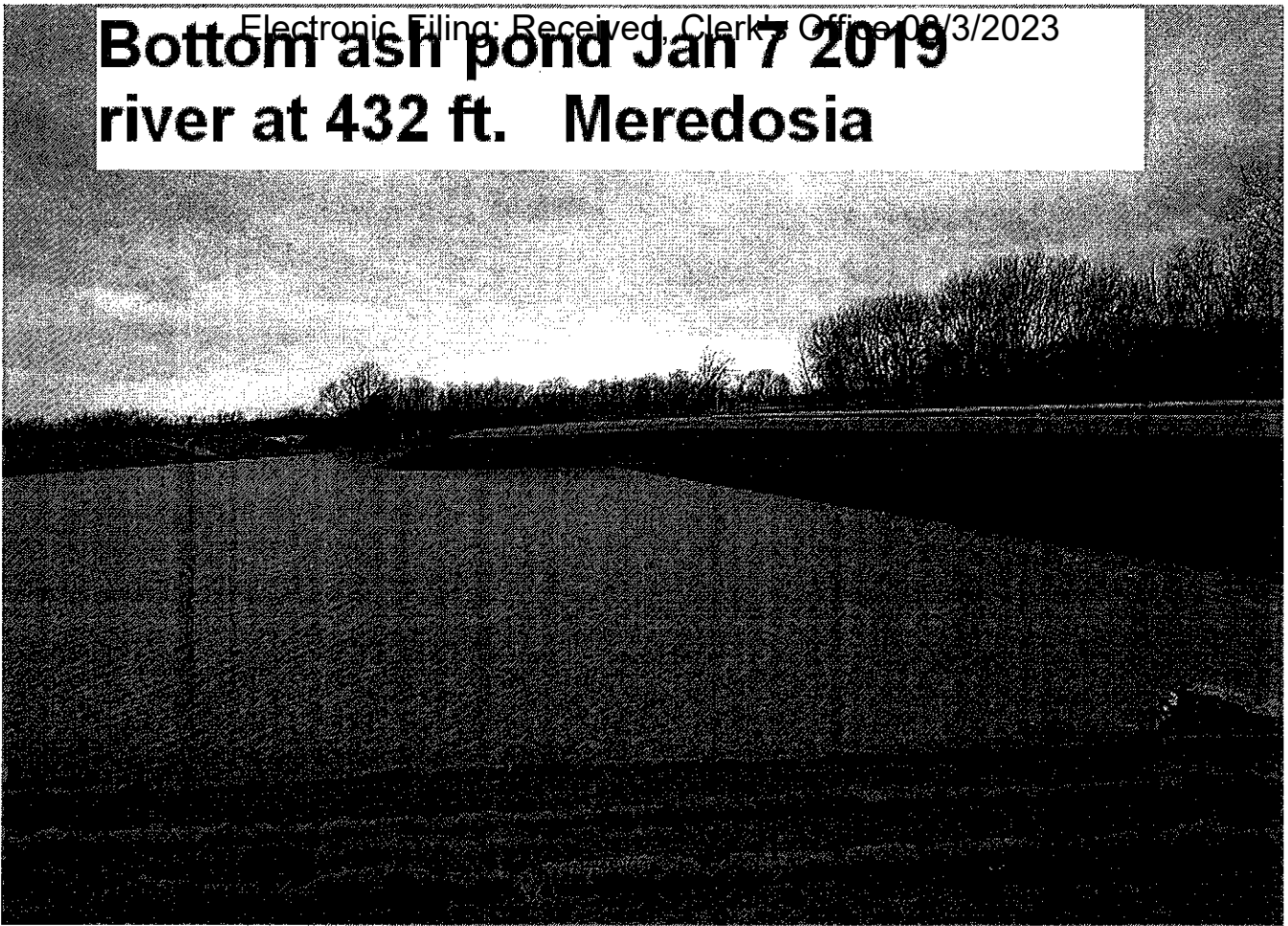
Corrective Action Implementation (to be completed within 7 days of inspection):

rained 2" 48 hours ago. Couple

small wastes noted in grass areas. Nothing

of concern. CONTINUE TO MONITOR.

Bottom ash pond Jan 7 2019 river at 432 ft. Meredosia



SWPPP INSPECTION REPORT

PROJECT
LOCATION
OWNER

AMEREN
MEREDOSA

Date of Inspection:	Jan 7 2019	<input checked="" type="checkbox"/> Rain Event, 0.5" or Greater
Type of Inspection:		<input type="checkbox"/> Weekly Scheduled
		<input type="checkbox"/> Site Entrance/Exit
Inspector's Name:	STEVE POTTER	
Qualifications/Position:	CONSTRUCTION SUPERV.	

Construction Area(s) identified and description of major observations relevant to implementation of the Storm Water Pollution Prevention Plan (SWPPP):

FAP & BAP.

Conditions:

Temporary vegetation installed within 7 days after construction (% germinated)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Final Vegetation installed after completion of construction (% germinated)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Straw mulch applied and crimped in place after seeding.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Straw bale check dam(s) in place.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Sediment removed after major rain event.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Silt fence placed, securely attached, intact (no tears, damage, etc.)	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Erosion control blankets placed.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Inlet Protection in place.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Vehicles tracking sediment or mud off site at entrance/exit areas.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Storage/containment areas - evidence of pollutants entering drainage system.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Will a Non-compliance report be submitted?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

Corrective Action Implementation (to be completed within 7 days of inspection):

NO PROBLEMS NOTED

RAINED 1" THIS A.M.

SWPPP INSPECTION REPORT

PROJECT
LOCATION
OWNER

AMEREN
MEREDOSIA

Date of Inspection:	Jan 14 2019	<input checked="" type="checkbox"/> Rain Event, 0.5" or Greater
Type of Inspection:		<input type="checkbox"/> Weekly Scheduled
		<input type="checkbox"/> Site Entrance/Exit
Inspector's Name:	STEVE POTTER	
Qualifications/Position:	CONSTRUCTION SUPERV	

Construction Area(s) identified and description of major observations relevant to implementation of the Storm Water Pollution Prevention Plan (SWPPP):

13" SNOW YESTERDAY - CANT SEE ANYTHING TODAY.

Conditions:

Temporary vegetation installed within 7 days after construction (% germinated)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Final Vegetation installed after completion of construction (% germinated)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Straw mulch applied and crimped in place after seeding.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Straw bale check dam(s) in place.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Sediment removed after major rain event.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Silt fence placed, securely attached, intact (no tears, damage, etc.)	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Erosion control blankets placed.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Inlet Protection in place.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Vehicles tracking sediment or mud off site at entrance/exit areas.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Storage/containment areas - evidence of pollutants entering drainage system.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Will a Non-compliance report be submitted?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

Corrective Action Implementation (to be completed within 7 days of inspection):

No VISUAL PROBLEMS FROM ROAD.

SWPPP INSPECTION REPORT

PROJECT
LOCATION
OWNER

AMEREN
MEREDOSIA

Date of Inspection: JAN 21, 2019	<input type="checkbox"/> Rain Event, 0.5" or Greater
Type of Inspection: WEEKLY	<input checked="" type="checkbox"/> Weekly Scheduled
Inspector's Name: STEVE POTTER	<input type="checkbox"/> Site Entrance/Exit
Qualifications/Position: CONSTRUCTION SUPERV	

Construction Area(s) identified and description of major observations relevant to implementation of the Storm Water Pollution Prevention Plan (SWPPP):

**8" SNOW STILL ON FAP & BAP
AREAS. 50F OUTSIDE**

Conditions:

Temporary vegetation installed within 7 days after construction (% germinated)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Final Vegetation installed after completion of construction (% germinated)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Straw mulch applied and crimped in place after seeding.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Straw bale check dam(s) in place.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Sediment removed after major rain event.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Silt fence placed, securely attached, intact (no tears, damage, etc.)	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Erosion control blankets placed.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Inlet Protection in place.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Vehicles tracking sediment or mud off site at entrance/exit areas.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Storage/containment areas - evidence of pollutants entering drainage system.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Will a Non-compliance report be submitted?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

Corrective Action Implementation (to be completed within 7 days of inspection):

**INSPECTION FROM ROAD -
LIMITED ACCESS TO FAP DUE
TO 8" SNOW.**

SWPPP INSPECTION REPORT

PROJECT
LOCATION
OWNER

AMEREN
MERCEDOSA

Date of Inspection:	<u>Jan 28, 2019</u>	<input type="checkbox"/> Rain Event, 0.5" or Greater
Type of Inspection:	<u>WEEKLY</u>	<input checked="" type="checkbox"/> Weekly Scheduled
Inspector's Name:	<u>STEVE POTTER</u>	<input type="checkbox"/> Site Entrance/Exit
Qualifications/Position:	<u>CONSTRUCTION SUPERV.</u>	

Construction Area(s) identified and description of major observations relevant to implementation of the Storm Water Pollution Prevention Plan (SWPPP):

4" OF SNOW LEFT ON GROUND
LIMITED ACCESS & VISIBILITY

Conditions:

Temporary vegetation installed within 7 days after construction (% germinated)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Final Vegetation installed after completion of construction (% germinated)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Straw mulch applied and crimped in place after seeding.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Straw bale check dam(s) in place.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Sediment removed after major rain event.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Silt fence placed, securely attached, intact (no tears, damage, etc.)	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Erosion control blankets placed.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Inlet Protection in place.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Vehicles tracking sediment or mud off site at entrance/exit areas.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Storage/containment areas - evidence of pollutants entering drainage system.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Will a Non-compliance report be submitted?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

Corrective Action Implementation (to be completed within 7 days of inspection):

LIMITED ACCESS & GROUND
VISIBILITY DUE TO SNOW.

SWPPP INSPECTION REPORT

PROJECT
LOCATION
OWNER

AMEREN
MCREDOSTA

Date of Inspection: FEB 4 2019	<input type="checkbox"/> Rain Event, 0.5" or Greater
Type of Inspection: WEEKLY	<input checked="" type="checkbox"/> Weekly Scheduled
Inspector's Name: STEVE POTTER	<input type="checkbox"/> Site Entrance/Exit
Qualifications/Position: CONSTRUCTION SUPERV	

Construction Area(s) identified and description of major observations relevant to implementation of the Storm Water Pollution Prevention Plan (SWPPP):

SNOW MELTED. SOAKING WET.

EVERYTHING VISIBLE FROM

GRAVEL ROAD

FAP & BAP areas

Conditions:

Temporary vegetation installed within 7 days after construction (% germinated)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Final Vegetation installed after completion of construction (% germinated)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Straw mulch applied and crimped in place after seeding.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Straw bale check dam(s) in place.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Sediment removed after major rain event.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Silt fence placed, securely attached, intact (no tears, damage, etc.)	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Erosion control blankets placed.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Inlet Protection in place.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Vehicles tracking sediment or mud off site at entrance/exit areas.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Storage/containment areas - evidence of pollutants entering drainage system.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Will a Non-compliance report be submitted?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

Corrective Action Implementation (to be completed within 7 days of inspection):

No PROBLEMS NOTED

SWPPP INSPECTION REPORT

PROJECT
LOCATION
OWNER

AMEREN
MEREJOSIA

Date of Inspection: FEB 11 2019	<input type="checkbox"/> Rain Event, 0.5" or Greater
Type of Inspection: WEEKLY	<input checked="" type="checkbox"/> Weekly Scheduled
Inspector's Name: STEVE POTTER	<input type="checkbox"/> Site Entrance/Exit
Qualifications/Position: CONSTRUCTION SUPERV	

Construction Area(s) identified and description of major observations relevant to implementation of the Storm Water Pollution Prevention Plan (SWPPP):

BAR & FAP AREAS

Conditions:

Temporary vegetation installed within 7 days after construction (% germinated)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Final Vegetation installed after completion of construction (% germinated)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Straw mulch applied and crimped in place after seeding.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Straw bale check dam(s) in place.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Sediment removed after major rain event.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Silt fence placed, securely attached, intact (no tears, damage, etc.)	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Erosion control blankets placed.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Inlet Protection in place.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Vehicles tracking sediment or mud off site at entrance/exit areas.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Storage/containment areas - evidence of pollutants entering drainage system.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Will a Non-compliance report be submitted?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

Corrective Action Implementation (to be completed within 7 days of inspection):

No PROBLEMS NOTED

SWPPP INSPECTION REPORT

PROJECT
LOCATION
OWNER

AMEREN
MEREDUSA

Date of Inspection:	FEB 18 2019	<input type="checkbox"/> Rain Event, 0.5" or Greater
Type of Inspection:	WEEKLY	<input checked="" type="checkbox"/> Weekly Scheduled
Inspector's Name:	STEVE POTTER	<input type="checkbox"/> Site Entrance/Exit
Qualifications/Position:	CONSTRUCTION SUPERV	

Construction Area(s) identified and description of major observations relevant to implementation of the Storm Water Pollution Prevention Plan (SWPPP):

BAR & SAP AREAS

Conditions:

Temporary vegetation installed within 7 days after construction (% germinated)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Final Vegetation installed after completion of construction (% germinated)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Straw mulch applied and crimped in place after seeding.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Straw bale check dam(s) in place.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Sediment removed after major rain event.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Silt fence placed, securely attached, intact (no tears, damage, etc.)	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Erosion control blankets placed.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Inlet Protection in place.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Vehicles tracking sediment or mud off site at entrance/exit areas.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Storage/containment areas - evidence of pollutants entering drainage system.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Will a Non-compliance report be submitted?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

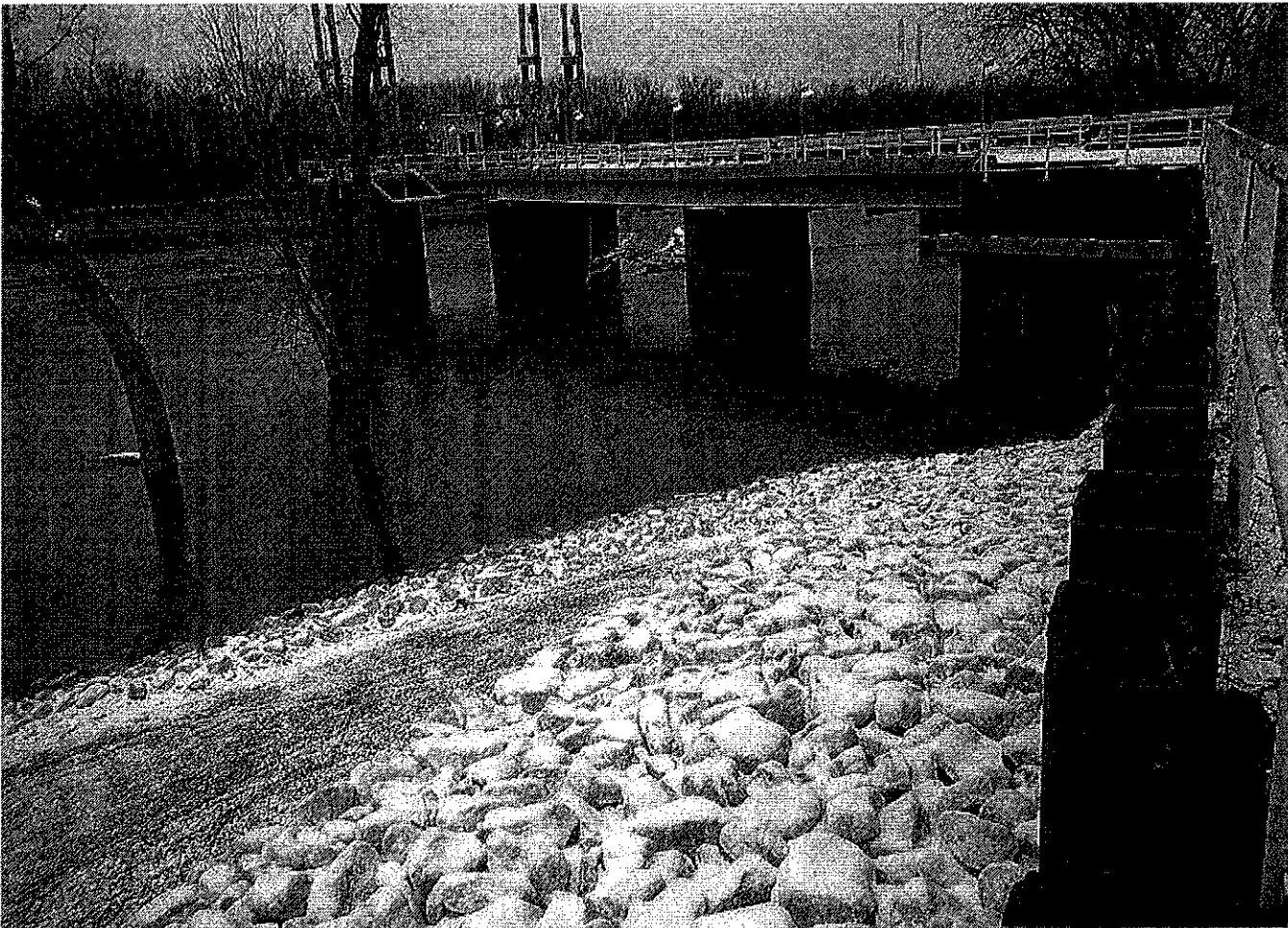
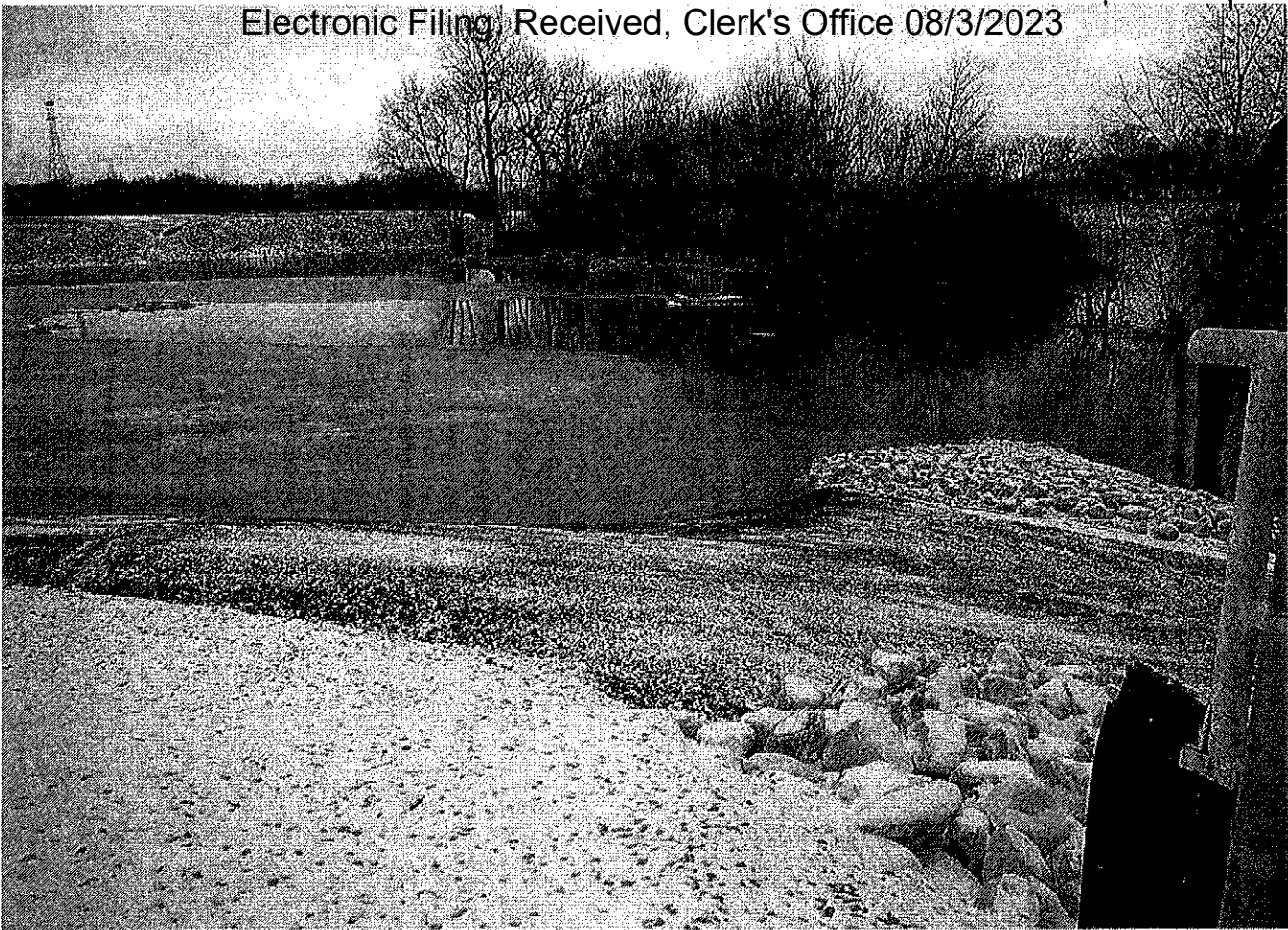
Corrective Action Implementation (to be completed within 7 days of inspection):

No PROBLEMS NOTED

FEB 18, 2019

1/3

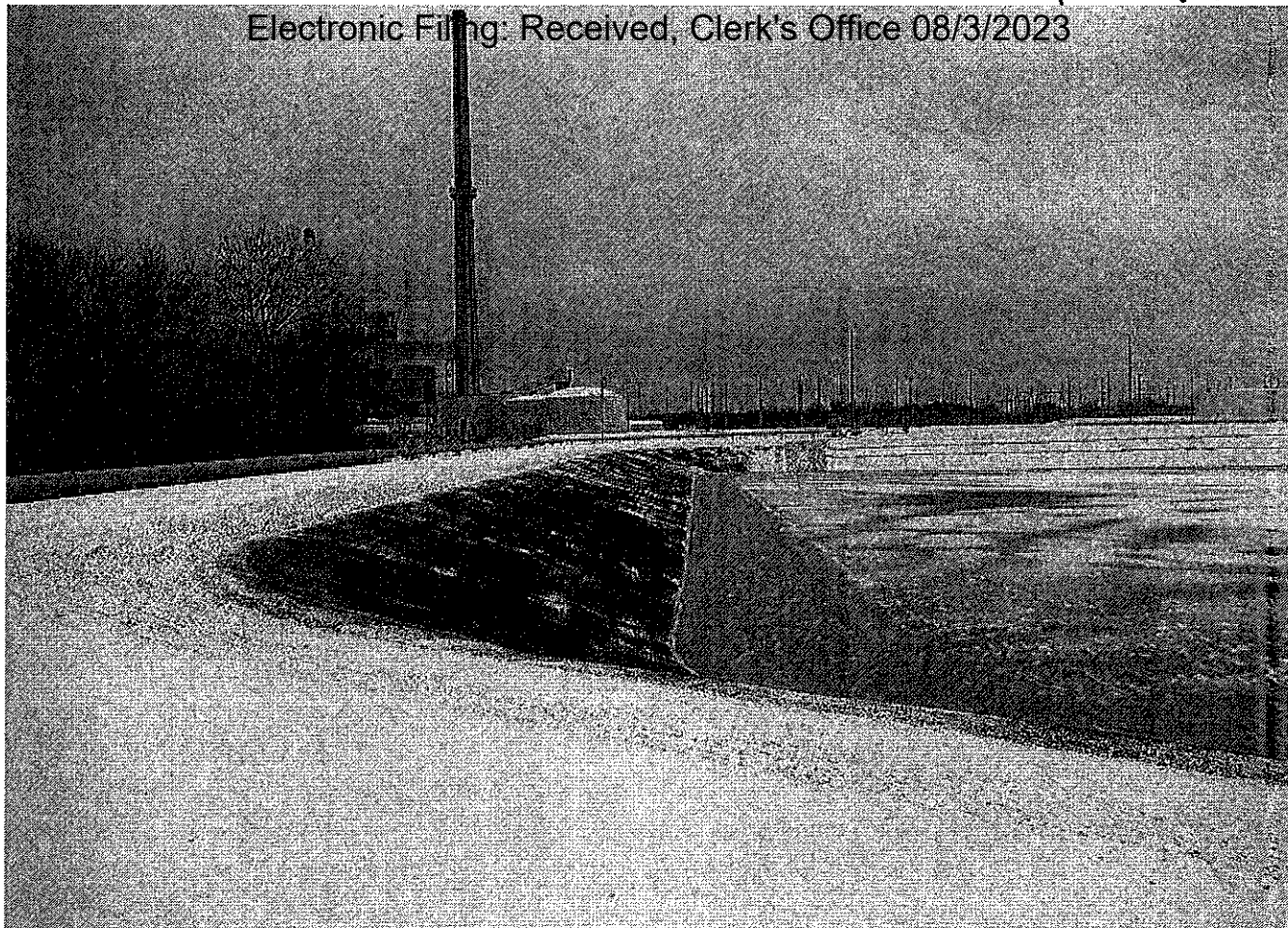
Electronic Filing Received, Clerk's Office 08/3/2023



FEB 18, 2019

2/3

Electronic Filing: Received, Clerk's Office 08/3/2023



FEB 18, 2019 363

Electronic Filing: Received Clerk's Office 08/3/2023



PROJECT
 LOCATION
 OWNER

AMEREN
 MEREDITH

Date of Inspection: FEB 25, 2019	<input type="checkbox"/> Rain Event, 0.5" or Greater
Type of Inspection: WEEKLY	<input checked="" type="checkbox"/> Weekly Scheduled
Inspector's Name: STEPHEN POTTER	<input type="checkbox"/> Site Entrance/Exit
Qualifications/Position: CONSTRUCTION SUPERV	

Construction Area(s) identified and description of major observations relevant to implementation of the Storm Water Pollution Prevention Plan (SWPPP):

BAP & FAB areas

20°F OUTSIDE - NO SNOW / RAIN

Conditions:

Temporary vegetation installed within 7 days after construction (% germinated)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Final Vegetation installed after completion of construction (% germinated)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Straw mulch applied and crimped in place after seeding.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Straw bale check dam(s) in place.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Sediment removed after major rain event.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Silt fence placed, securely attached, intact (no tears, damage, etc.)	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Erosion control blankets placed.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Inlet Protection in place.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Vehicles tracking sediment or mud off site at entrance/exit areas.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Storage/containment areas - evidence of pollutants entering drainage system.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Will a Non-compliance report be submitted?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

Corrective Action Implementation (to be completed within 7 days of inspection):

NO PROBLEMS NOTED

SWPPP INSPECTION REPORT
PROJECT
LOCATION
OWNER

AMEREN
MERCED AREA

Date of Inspection:	
MARCH 4 2019	<input type="checkbox"/> Rain Event, 0.5" or Greater
Type of Inspection:	<input checked="" type="checkbox"/> Weekly Scheduled
WEEKLY	<input type="checkbox"/> Site Entrance/Exit
Inspector's Name:	STEVE POTTER
Qualifications/Position:	CONSTRUCTION SUPERV

Construction Area(s) identified and description of major observations relevant to implementation of the Storm Water Pollution Prevention Plan (SWPPP):

BAR & FAP INSPECTION/
0° F OUTSIDE, 1" SNOW

Conditions:

Temporary vegetation installed within 7 days after construction (% germinated)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Final Vegetation installed after completion of construction (% germinated)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Straw mulch applied and crimped in place after seeding.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Straw bale check dam(s) in place.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Sediment removed after major rain event.	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> N/A
	<input type="checkbox"/> No	
Silt fence placed, securely attached, intact (no tears, damage, etc.)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> N/A
	<input type="checkbox"/> No	
Erosion control blankets placed.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Inlet Protection in place.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Vehicles tracking sediment or mud off site at entrance/exit areas.	<input type="checkbox"/> Yes	
	<input checked="" type="checkbox"/> No	
Storage/containment areas - evidence of pollutants entering drainage system.	<input type="checkbox"/> Yes	
	<input checked="" type="checkbox"/> No	
Will a Non-compliance report be submitted?	<input type="checkbox"/> Yes	
	<input checked="" type="checkbox"/> No	

Corrective Action Implementation (to be completed within 7 days of inspection):

NO PROBLEMS NOTED.

SWPPP INSPECTION REPORT

PROJECT LOCATION OWNER
AMEREN
MEREDOSIA

Date of Inspection:	
MARCH 11, 2019	<input checked="" type="checkbox"/> Rain Event, 0.5" or Greater
Type of Inspection:	<input type="checkbox"/> Weekly Scheduled
	<input type="checkbox"/> Site Entrance/Exit
Inspector's Name:	STEPHEN POTTER
Qualifications/Position:	CONSTRUCTION SUPERVISOR

Construction Area(s) identified and description of major observations relevant to implementation of the Storm Water Pollution Prevention Plan (SWPPP):

2" OF RAIN 48 hours ago

CHECK FAP & BAP & AREA AROUND

Conditions:

Temporary vegetation installed within 7 days after construction (% germinated)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
	<input type="checkbox"/> No
Final Vegetation installed after completion of construction (% germinated)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
	<input type="checkbox"/> No
Straw mulch applied and crimped in place after seeding.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
	<input type="checkbox"/> No
Straw bale check dam(s) in place.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
	<input type="checkbox"/> No
Sediment removed after major rain event.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A
	<input type="checkbox"/> No
Silt fence placed, securely attached, intact (no tears, damage, etc.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A
	<input type="checkbox"/> No
Erosion control blankets placed.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
	<input type="checkbox"/> No
Inlet Protection in place.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
	<input type="checkbox"/> No
Vehicles tracking sediment or mud off site at entrance/exit areas.	<input type="checkbox"/> Yes
	<input checked="" type="checkbox"/> No
Storage/containment areas - evidence of pollutants entering drainage system.	<input type="checkbox"/> Yes
	<input checked="" type="checkbox"/> No
Will a Non-compliance report be submitted?	<input type="checkbox"/> Yes
	<input checked="" type="checkbox"/> No

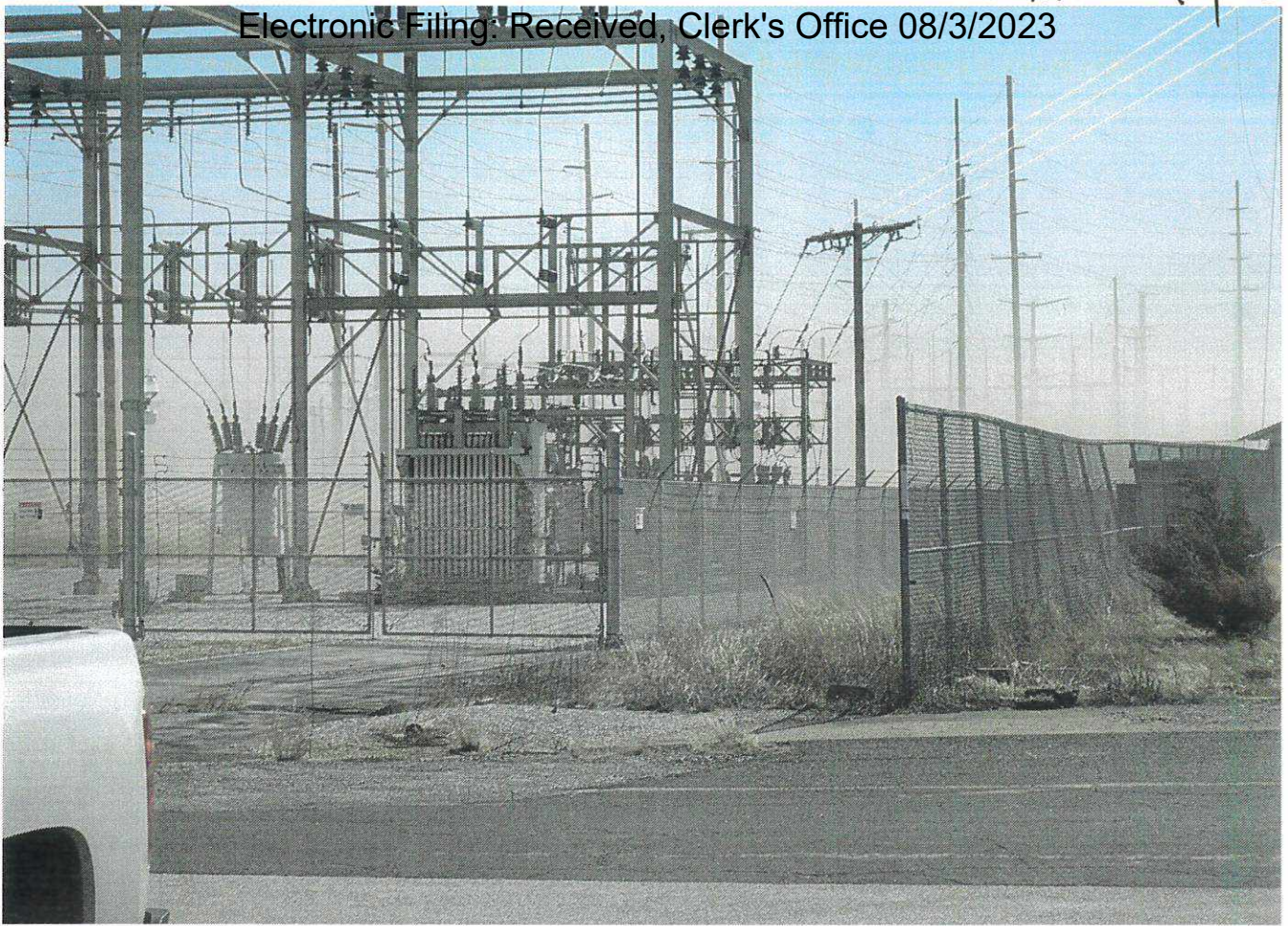
Corrective Action Implementation (to be completed within 7 days of inspection):

No PROBLEMS NOTED

**20 MPH WIND BLOWING SAND
 IN OLD COAL YD. TOWARD 69K yd.**

MAR 04 11, 2019

Electronic Filing: Received, Clerk's Office 08/3/2023



SWPPP INSPECTION REPORT

PROJECT
LOCATION
OWNER

AMEREM
MERE DOSZA

Date of Inspection:	<u>MARCH 18 2019</u>	<input type="checkbox"/> Rain Event, 0.5" or Greater
Type of Inspection:		<input checked="" type="checkbox"/> Weekly Scheduled
		<input type="checkbox"/> Site Entrance/Exit
Inspector's Name:	<u>STEVE POTTER</u>	
Qualifications/Position:	<u>CONSTRUCTION SUPERV.</u>	

Construction Area(s) identified and description of major observations relevant to implementation of the Storm Water Pollution Prevention Plan (SWPPP):

ASH POND & AREA INSPECTION
NO WIND TODAY

Conditions:

Temporary vegetation installed within 7 days after construction (% germinated)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Final Vegetation installed after completion of construction (% germinated)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Straw mulch applied and crimped in place after seeding.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Straw bale check dam(s) in place.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Sediment removed after major rain event.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Silt fence placed, securely attached, intact (no tears, damage, etc.)	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Erosion control blankets placed.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Inlet Protection in place.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Vehicles tracking sediment or mud off site at entrance/exit areas.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Storage/containment areas - evidence of pollutants entering drainage system.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Will a Non-compliance report be submitted?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

Corrective Action Implementation (to be completed within 7 days of inspection):

NO PROBLEMS NOTED
28°F LAST NIGHT
40°F DAYTIME.

SWPPP INSPECTION REPORT

PROJECT
LOCATION
OWNER

Date of Inspection:	MARCH 25 2019	<input checked="" type="checkbox"/> Rain Event, 0.5" or Greater
Type of Inspection:		<input type="checkbox"/> Weekly Scheduled
		<input type="checkbox"/> Site Entrance/Exit
Inspector's Name:	STEVE POTTER	
Qualifications/Position:	CONSTRUCTOR - SUPERV.	

Construction Area(s) identified and description of major observations relevant to implementation of the Storm Water Pollution Prevention Plan (SWPPP):

RAINED 1/2" YESTERDAY

INSPECT BOTH PONDS

Conditions:

Temporary vegetation installed within 7 days after construction (% germinated)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Final Vegetation installed after completion of construction (% germinated)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Straw mulch applied and crimped in place after seeding.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Straw bale check dam(s) in place.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Sediment removed after major rain event.	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> N/A
	<input type="checkbox"/> No	
Silt fence placed, securely attached, intact (no tears, damage, etc.)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> N/A
	<input type="checkbox"/> No	
Erosion control blankets placed.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Inlet Protection in place.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Vehicles tracking sediment or mud off site at entrance/exit areas.	<input type="checkbox"/> Yes	
	<input checked="" type="checkbox"/> No	
Storage/containment areas - evidence of pollutants entering drainage system.	<input type="checkbox"/> Yes	
	<input checked="" type="checkbox"/> No	
Will a Non-compliance report be submitted?	<input type="checkbox"/> Yes	
	<input checked="" type="checkbox"/> No	

Corrective Action Implementation (to be completed within 7 days of inspection):

No PROBLEMS NOTED

35° NIGHT

50° DAY

28° CONDENSER PIT (FROZE)

SWPPP INSPECTION REPORT

PROJECT
LOCATION
OWNER

Date of Inspection:	<input type="checkbox"/> Rain Event, 0.5" or Greater
APRIL 1, 2019	<input checked="" type="checkbox"/> Weekly Scheduled
Type of Inspection:	<input type="checkbox"/> Site Entrance/Exit
WEEKLY	
Inspector's Name:	STEVE POTTER
Qualifications/Position:	CONSTRUCTION SUPERV.

Construction Area(s) identified and description of major observations relevant to implementation of the Storm Water Pollution Prevention Plan (SWPPP):

INSPECT BOTH PONDS

Conditions:

Temporary vegetation installed within 7 days after construction (% germinated)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
	<input type="checkbox"/> No
Final Vegetation installed after completion of construction (% germinated)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
	<input type="checkbox"/> No
Straw mulch applied and crimped in place after seeding.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
	<input type="checkbox"/> No
Straw bale check dam(s) in place.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
	<input type="checkbox"/> No
Sediment removed after major rain event.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A
	<input type="checkbox"/> No
Silt fence placed, securely attached, intact (no tears, damage, etc.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A
	<input type="checkbox"/> No
Erosion control blankets placed.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
	<input type="checkbox"/> No
Inlet Protection in place.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
	<input type="checkbox"/> No
Vehicles tracking sediment or mud off site at entrance/exit areas.	<input type="checkbox"/> Yes
	<input checked="" type="checkbox"/> No
Storage/containment areas - evidence of pollutants entering drainage system.	<input type="checkbox"/> Yes
	<input checked="" type="checkbox"/> No
Will a Non-compliance report be submitted?	<input type="checkbox"/> Yes
	<input checked="" type="checkbox"/> No

Corrective Action Implementation (to be completed within 7 days of inspection):

NO PROBLEMS NOTED

SWPPP INSPECTION REPORT

PROJECT
LOCATION
OWNER

MERE DOSZA
AMEREN

Date of Inspection: APRIL 8 2019	<input type="checkbox"/> Rain Event, 0.5" or Greater
Type of Inspection: WEEKLY	<input checked="" type="checkbox"/> Weekly Scheduled
Inspector's Name: STEVE POTTER	<input type="checkbox"/> Site Entrance/Exit
Qualifications/Position: CONSTRUCTION SUPERV	

Construction Area(s) identified and description of major observations relevant to implementation of the Storm Water Pollution Prevention Plan (SWPPP):

INSPECT BOTH PONDS

Conditions:

Temporary vegetation installed within 7 days after construction (% germinated)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
	<input type="checkbox"/> No
Final Vegetation installed after completion of construction (% germinated)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
	<input type="checkbox"/> No
Straw mulch applied and crimped in place after seeding.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
	<input type="checkbox"/> No
Straw bale check dam(s) in place.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
	<input type="checkbox"/> No
Sediment removed after major rain event.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A
	<input type="checkbox"/> No
Silt fence placed, securely attached, intact (no tears, damage, etc.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A
	<input type="checkbox"/> No
Erosion control blankets placed.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
	<input type="checkbox"/> No
Inlet Protection in place.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
	<input type="checkbox"/> No
Vehicles tracking sediment or mud off site at entrance/exit areas.	<input type="checkbox"/> Yes
	<input checked="" type="checkbox"/> No
Storage/containment areas - evidence of pollutants entering drainage system.	<input type="checkbox"/> Yes
	<input checked="" type="checkbox"/> No
Will a Non-compliance report be submitted?	<input type="checkbox"/> Yes
	<input checked="" type="checkbox"/> No

Corrective Action Implementation (to be completed within 7 days of inspection):

NO PROBLEMS NOTED

SWPPP INSPECTION REPORT

PROJECT
LOCATION
OWNER

Date of Inspection:	APRIL 15 2019	<input type="checkbox"/> Rain Event, 0.5" or Greater
Type of Inspection:	WEEKLY	<input checked="" type="checkbox"/> Weekly Scheduled
Inspector's Name:	STEVE POTTER	<input type="checkbox"/> Site Entrance/Exit
Qualifications/Position:	CONSTRUCTION SUPERV	

Construction Area(s) identified and description of major observations relevant to implementation of the Storm Water Pollution Prevention Plan (SWPPP):

INSPECT BOTH PONDS

Conditions:

Temporary vegetation installed within 7 days after construction (% germinated)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Final Vegetation installed after completion of construction (% germinated)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Straw mulch applied and crimped in place after seeding.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Straw bale check dam(s) in place.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Sediment removed after major rain event.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Silt fence placed, securely attached, intact (no tears, damage, etc.)	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Erosion control blankets placed.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Inlet Protection in place.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Vehicles tracking sediment or mud off site at entrance/exit areas.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Storage/containment areas - evidence of pollutants entering drainage system.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Will a Non-compliance report be submitted?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

Corrective Action Implementation (to be completed within 7 days of inspection):

NO PROB NOTED.

BLANKENSHIP & GSI ON SITE TOMORROW

SWPPP INSPECTION REPORT

PROJECT
LOCATION
OWNER

Meardosie
Amyra

Date of Inspection:	<i>4-22-19</i>	<input type="checkbox"/> Rain Event, 0.5" or Greater
Type of Inspection:	<i>Weekly</i>	<input checked="" type="checkbox"/> Weekly Scheduled
Inspector's Name:	<i>Ross Wilson</i>	<input type="checkbox"/> Site Entrance/Exit
Qualifications/Position:	<i>Foreman</i>	

Construction Area(s) identified and description of major observations relevant to implementation of the Storm Water Pollution Prevention Plan (SWPPP) :

Both Ponds

Conditions:

Temporary vegetation installed within 7 days after construction (% germinated)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Final Vegetation installed after completion of construction (% germinated)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Straw mulch applied and crimped in place after seeding.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Straw bale check dam(s) in place.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Sediment removed after major rain event.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Silt fence placed, securely attached, intact (no tears, damage, etc.)	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Erosion control blankets placed.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Inlet Protection in place.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Vehicles tracking sediment or mud off site at entrance/exit areas.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Storage/containment areas - evidence of pollutants entering drainage system.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Will a Non-compliance report be submitted?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

Corrective Action Implementation (to be completed within 7 days of inspection):

No Prob noted

SWPPP INSPECTION REPORT

PROJECT
LOCATION
OWNER

Meredosia
Ameron

Date of Inspection:	<i>4-29-19</i>	<input type="checkbox"/> Rain Event, 0.5" or Greater
Type of Inspection:	<i>Weekly</i>	<input checked="" type="checkbox"/> Weekly Scheduled
Inspector's Name:	<i>Ross Wilson</i>	<input type="checkbox"/> Site Entrance/Exit
Qualifications/Position:	<i>Foreman</i>	

Construction Area(s) identified and description of major observations relevant to implementation of the Storm Water Pollution Prevention Plan (SWPPP):

Both Ponds

Conditions:

Temporary vegetation installed within 7 days after construction (% germinated)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Final Vegetation installed after completion of construction (% germinated)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Straw mulch applied and crimped in place after seeding.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Straw bale check dam(s) in place.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Sediment removed after major rain event.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Silt fence placed, securely attached, intact (no tears, damage, etc.)	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Erosion control blankets placed.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Inlet Protection in place.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Vehicles tracking sediment or mud off site at entrance/exit areas.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Storage/containment areas - evidence of pollutants entering drainage system.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Will a Non-compliance report be submitted?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

Corrective Action Implementation (to be completed within 7 days of inspection):

No Prob noted

SWPPP INSPECTION REPORT

PROJECT *Mercedosia*
 LOCATION
 OWNER *Ameren*

Date of Inspection:	
<i>5-6-19</i>	<input type="checkbox"/> Rain Event, 0.5" or Greater
Type of Inspection:	<input checked="" type="checkbox"/> Weekly Scheduled
<i>Weekly</i>	<input type="checkbox"/> Site Entrance/Exit
Inspector's Name:	<i>Ross Wilson</i>
Qualifications/Position:	<i>Foreman</i>

Construction Area(s) identified and description of major observations relevant to implementation of the Storm Water Pollution Prevention Plan (SWPPP):

Both Ponds

Conditions:

Temporary vegetation installed within 7 days after construction (% germinated)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Final Vegetation installed after completion of construction (% germinated)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Straw mulch applied and crimped in place after seeding.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Straw bale check dam(s) in place.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Sediment removed after major rain event.	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> N/A
	<input type="checkbox"/> No	
Silt fence placed, securely attached, intact (no tears, damage, etc.)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> N/A
	<input type="checkbox"/> No	
Erosion control blankets placed.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Inlet Protection in place.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Vehicles tracking sediment or mud off site at entrance/exit areas.	<input checked="" type="checkbox"/> Yes	
	<input type="checkbox"/> No	
Storage/containment areas - evidence of pollutants entering drainage system.	<input checked="" type="checkbox"/> Yes	
	<input type="checkbox"/> No	
Will a Non-compliance report be submitted?	<input type="checkbox"/> Yes	
	<input checked="" type="checkbox"/> No	

Corrective Action Implementation (to be completed within 7 days of inspection):

No Prob noted

SWPPP INSPECTION REPORT
PROJECT
LOCATION
OWNER

ASH POND
MEREDOSZA
AMEREN

Date of Inspection: May 16 2019	<input type="checkbox"/> Rain Event, 0.5" or Greater
Type of Inspection: WEEKLY	<input checked="" type="checkbox"/> Weekly Scheduled
Inspector's Name: STEVE POTTER	<input type="checkbox"/> Site Entrance/Exit
Qualifications/Position: CONSTRUCTION SUPERV.	

Construction Area(s) identified and description of major observations relevant to implementation of the Storm Water Pollution Prevention Plan (SWPPP) :

OLD FAP & BAP AREAS

Conditions:

Temporary vegetation installed within 7 days after construction (% germinated)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Final Vegetation installed after completion of construction (% germinated)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Straw mulch applied and crimped in place after seeding.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Straw bale check dam(s) in place.	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> N/A
	<input type="checkbox"/> No	
Sediment removed after major rain event.	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> N/A
	<input type="checkbox"/> No	
Silt fence placed, securely attached, intact (no tears, damage, etc.)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> N/A
	<input type="checkbox"/> No	
Erosion control blankets placed.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Inlet Protection in place.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Vehicles tracking sediment or mud off site at entrance/exit areas.	<input type="checkbox"/> Yes	
	<input checked="" type="checkbox"/> No	
Storage/containment areas - evidence of pollutants entering drainage system.	<input type="checkbox"/> Yes	
	<input checked="" type="checkbox"/> No	
Will a Non-compliance report be submitted?	<input type="checkbox"/> Yes	
	<input checked="" type="checkbox"/> No	

Corrective Action Implementation (to be completed within 7 days of inspection):

WEEKLY INSPECTIONS WHILE

BLANKENSHIP OFF SITE. WILL RETURN

NEXT MONTH FOR SAND / GLUE FINISH.

SWPPP INSPECTION REPORT
PROJECT
LOCATION
OWNER

ASH POND
MERE DOSIA
AMEREN

Date of Inspection: MAY 20 2019	<input type="checkbox"/> Rain Event, 0.5" or Greater
Type of Inspection: WEEKLY	<input checked="" type="checkbox"/> Weekly Scheduled
Inspector's Name: STEVE POTTER	<input type="checkbox"/> Site Entrance/Exit
Qualifications/Position: CONSTRUCTION SUPERV	

Construction Area(s) identified and description of major observations relevant to implementation of the Storm Water Pollution Prevention Plan (SWPPP) :

OLD FAP & BAP AREA

Conditions:

Temporary vegetation installed within 7 days after construction (% germinated)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Final Vegetation installed after completion of construction (% germinated)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Straw mulch applied and crimped in place after seeding.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Straw bale check dam(s) in place.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Sediment removed after major rain event.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Silt fence placed, securely attached, intact (no tears, damage, etc.)	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Erosion control blankets placed.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Inlet Protection in place.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Vehicles tracking sediment or mud off site at entrance/exit areas.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Storage/containment areas - evidence of pollutants entering drainage system.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Will a Non-compliance report be submitted?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

Corrective Action Implementation (to be completed within 7 days of inspection):

No PROBLEMS NOTED.

SWPPP INSPECTION REPORT
PROJECT
LOCATION
OWNER

ASH POND
MCREDOSE
AMEREN

Date of Inspection:	<u>May 28 2019</u>	<input type="checkbox"/> Rain Event, 0.5" or Greater
Type of Inspection:	<u>WEEKLY</u>	<input checked="" type="checkbox"/> Weekly Scheduled
Inspector's Name:	<u>STEVE POTTER</u>	<input type="checkbox"/> Site Entrance/Exit
Qualifications/Position:	<u>CONSTRUCTION SUPERV.</u>	

Construction Area(s) identified and description of major observations relevant to implementation of the Storm Water Pollution Prevention Plan (SWPPP) :

BOTH ASH POND & AREAS

Conditions:

Temporary vegetation installed within 7 days after construction (% germinated)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Final Vegetation installed after completion of construction (% germinated)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Straw mulch applied and crimped in place after seeding.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Straw bale check dam(s) in place.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Sediment removed after major rain event.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Silt fence placed, securely attached, intact (no tears, damage, etc.)	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Erosion control blankets placed.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Inlet Protection in place.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Vehicles tracking sediment or mud off site at entrance/exit areas.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Storage/containment areas - evidence of pollutants entering drainage system.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Will a Non-compliance report be submitted?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

Corrective Action Implementation (to be completed within 7 days of inspection):

RAINED 1" 3 DAYS AGO.

NO PROBLEMS NOTED

FLOWER AT 26' GOING TO 28'.

SWPPP INSPECTION REPORT

PROJECT
LOCATION
OWNER

ASH POND
AMEREN
MERE DOSZA

Date of Inspection: JUNE 3, 2019	<input type="checkbox"/> Rain Event, 0.5" or Greater
Type of Inspection: WEEKLY	<input checked="" type="checkbox"/> Weekly Scheduled
Inspector's Name: STEVE POTTER	<input type="checkbox"/> Site Entrance/Exit
Qualifications/Position: CONSTRUCTION SUPERV	

Construction Area(s) identified and description of major observations relevant to implementation of the Storm Water Pollution Prevention Plan (SWPPP) :

BAP & FAP INSPECTION AREAS

(PHOTOS ATTACHED)

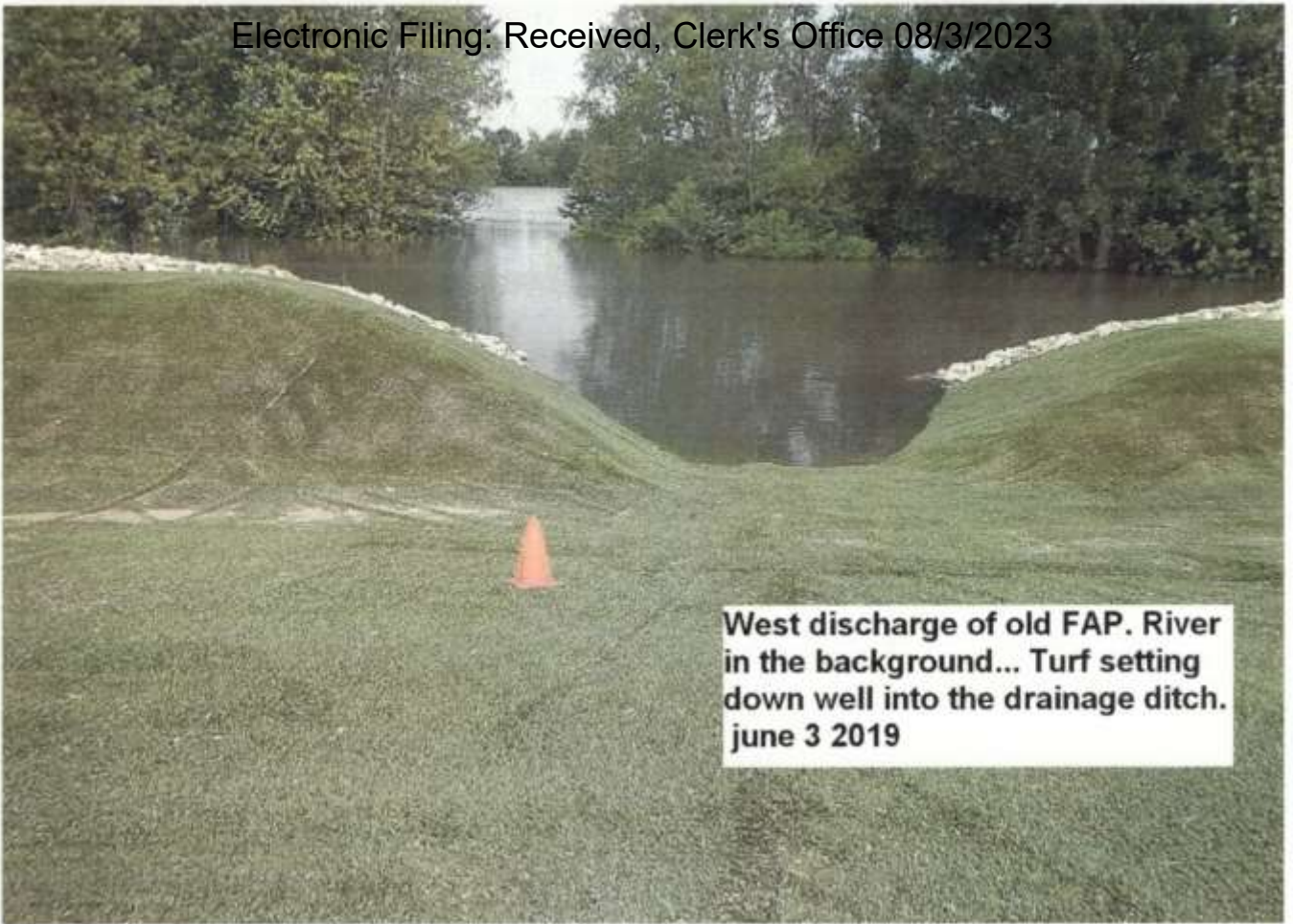
Conditions:

Temporary vegetation installed within 7 days after construction (_____ % germinated)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Final Vegetation installed after completion of construction (_____ % germinated)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Straw mulch applied and crimped in place after seeding.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Straw bale check dam(s) in place.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Sediment removed after major rain event.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Silt fence placed, securely attached, intact (no tears, damage, etc.)	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Erosion control blankets placed.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Inlet Protection in place.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Vehicles tracking sediment or mud off site at entrance/exit areas.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Storage/containment areas - evidence of pollutants entering drainage system.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Will a Non-compliance report be submitted?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

Corrective Action Implementation (to be completed within 7 days of inspection):

NO PROBLEM NOTED, RIVER AT 28' OR 446 ELEV.

TO CREST THUS @ 446.7'



West discharge of old FAP. River in the background... Turf setting down well into the drainage ditch. june 3 2019



Looking south from the NorthWest corner of the FAP cap. River to the far right of trees... june 3 2019

SWPPP INSPECTION REPORT
PROJECT
LOCATION
OWNER

ASH POND
MIGREDOSSIA
AMEREN

Date of Inspection: JUNE 10 2019	<input type="checkbox"/> Rain Event, 0.5" or Greater
Type of Inspection: WEEKLY	<input checked="" type="checkbox"/> Weekly Scheduled
Inspector's Name: STEVE POTTER	<input type="checkbox"/> Site Entrance/Exit
Qualifications/Position: CONSTRUCTION SUPERV.	

Construction Area(s) identified and description of major observations relevant to implementation of the Storm Water Pollution Prevention Plan (SWPPP) :

BAP & RAP area inspections

Conditions:

Temporary vegetation installed within 7 days after construction (% germinated)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Final Vegetation installed after completion of construction (% germinated)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Straw mulch applied and crimped in place after seeding.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Straw bale check dam(s) in place.	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> N/A
	<input type="checkbox"/> No	
Sediment removed after major rain event.	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> N/A
	<input type="checkbox"/> No	
Silt fence placed, securely attached, intact (no tears, damage, etc.)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> N/A
	<input type="checkbox"/> No	
Erosion control blankets placed.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No	
Inlet Protection in place.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> N/A
	<input type="checkbox"/> No	
Vehicles tracking sediment or mud off site at entrance/exit areas.	<input type="checkbox"/> Yes	
	<input checked="" type="checkbox"/> No	
Storage/containment areas - evidence of pollutants entering drainage system.	<input type="checkbox"/> Yes	
	<input checked="" type="checkbox"/> No	
Will a Non-compliance report be submitted?	<input type="checkbox"/> Yes	
	<input checked="" type="checkbox"/> No	

Corrective Action Implementation (to be completed within 7 days of inspection):

NO PROBLEMS NOTED

GAVE TOUR TO LOBBIG & MEREMAC ENGR

SWPPP INSPECTION REPORT
PROJECT
LOCATION
OWNER

ASH POND
MERE DOSIA
AMEREN

Date of Inspection:	JUNE 17 2019	<input checked="" type="checkbox"/> Rain Event, 0.5" or Greater
Type of Inspection:	WEEKLY	<input type="checkbox"/> Weekly Scheduled
Inspector's Name:	STEVE POTTER	<input type="checkbox"/> Site Entrance/Exit
Qualifications/Position:	CONSTRUCTION SUPERV	

Construction Area(s) identified and description of major observations relevant to implementation of the Storm Water Pollution Prevention Plan (SWPPP) :

CHECK FAP & BAP AREAS

2 INCHES OF RAIN OVER WEEKEND

Conditions:

Temporary vegetation installed within 7 days after construction (% germinated)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Final Vegetation installed after completion of construction (% germinated)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Straw mulch applied and crimped in place after seeding.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Straw bale check dam(s) in place.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Sediment removed after major rain event.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Silt fence placed, securely attached, intact (no tears, damage, etc.)	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Erosion control blankets placed.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Inlet Protection in place.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Vehicles tracking sediment or mud off site at entrance/exit areas.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Storage/containment areas - evidence of pollutants entering drainage system.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Will a Non-compliance report be submitted?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

Corrective Action Implementation (to be completed within 7 days of inspection):

NO PROBLEM NOTED

RIVER @ 23 FT

11 FT DEEP IN BAP AREA

SWPPP INSPECTION REPORT
PROJECT
LOCATION
OWNER

ASH POND
MERCEDOSIA
AMEREN

Date of Inspection: JUNE 24 2019	<input checked="" type="checkbox"/> Rain Event, 0.5" or Greater
Type of Inspection: WEEKLY	<input type="checkbox"/> Weekly Scheduled
Inspector's Name: STEVE POTTER	<input type="checkbox"/> Site Entrance/Exit
Qualifications/Position: CONSTRUCT. SUPERV	

Construction Area(s) identified and description of major observations relevant to implementation of the Storm Water Pollution Prevention Plan (SWPPP) :

RAINED 2" SATURDAY

INSPECT FAP & BA AREAS

Conditions:

Temporary vegetation installed within 7 days after construction (% germinated)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
	<input type="checkbox"/> No
Final Vegetation installed after completion of construction (% germinated)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
	<input type="checkbox"/> No
Straw mulch applied and crimped in place after seeding.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
	<input type="checkbox"/> No
Straw bale check dam(s) in place.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A
	<input type="checkbox"/> No
Sediment removed after major rain event.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A
	<input type="checkbox"/> No
Silt fence placed, securely attached, intact (no tears, damage, etc.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A
	<input type="checkbox"/> No
Erosion control blankets placed.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
	<input checked="" type="checkbox"/> No
Inlet Protection in place.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
	<input type="checkbox"/> No
Vehicles tracking sediment or mud off site at entrance/exit areas.	<input type="checkbox"/> Yes
	<input checked="" type="checkbox"/> No
Storage/containment areas - evidence of pollutants entering drainage system.	<input type="checkbox"/> Yes
	<input checked="" type="checkbox"/> No
Will a Non-compliance report be submitted?	<input type="checkbox"/> Yes
	<input checked="" type="checkbox"/> No

Corrective Action Implementation (to be completed within 7 days of inspection):

**COUPLE SMALL WASHOUTS 3" DEEP -
20' LONG INTO STRAW BLANKETS.**

**NO BIG PROBLEMS NOTED.
RIVER RISING - 2.3 FT.**

SWPPP INSPECTION REPORT
PROJECT
LOCATION
OWNER

ASH POND
MERCEDOSA
AMEREN

Date of Inspection: JULY 1 2019	<input checked="" type="checkbox"/> Rain Event, 0.5" or Greater
Type of Inspection: WEEKLY	<input type="checkbox"/> Weekly Scheduled
Inspector's Name: STEVE POTTER	<input type="checkbox"/> Site Entrance/Exit
Qualifications/Position: CONSTRUCTION SUPERV.	

Construction Area(s) identified and description of major observations relevant to implementation of the Storm Water Pollution Prevention Plan (SWPPP):

RAINED SAT ...
INSPECT BAP & FAP.

Conditions:

Temporary vegetation installed within 7 days after construction (% germinated)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
	<input type="checkbox"/> No
Final Vegetation installed after completion of construction (% germinated)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
	<input type="checkbox"/> No
Straw mulch applied and crimped in place after seeding.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
	<input type="checkbox"/> No
Straw bale check dam(s) in place.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A
	<input type="checkbox"/> No
Sediment removed after major rain event.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A
	<input type="checkbox"/> No
Silt fence placed, securely attached, intact (no tears, damage, etc.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A
	<input type="checkbox"/> No
Erosion control blankets placed.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
	<input type="checkbox"/> No
Inlet Protection in place.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
	<input type="checkbox"/> No
Vehicles tracking sediment or mud off site at entrance/exit areas.	<input type="checkbox"/> Yes
	<input checked="" type="checkbox"/> No
Storage/containment areas - evidence of pollutants entering drainage system.	<input type="checkbox"/> Yes
	<input checked="" type="checkbox"/> No
Will a Non-compliance report be submitted?	<input type="checkbox"/> Yes
	<input checked="" type="checkbox"/> No

Corrective Action Implementation (to be completed within 7 days of inspection):

No new problems

small wash out @ NE BAP ROAD

river dropping 22 ft

SWPPP INSPECTION REPORT

PROJECT
LOCATION
OWNER

ASH POND
MCREPOSTA
AMEREN

Date of Inspection:	<input checked="" type="checkbox"/> Rain Event, 0.5" or Greater <input type="checkbox"/> Weekly Scheduled <input type="checkbox"/> Site Entrance/Exit
JULY 8 2019	
Type of Inspection:	
WEEKLY	
Inspector's Name:	STEVE POTTER
Qualifications/Position:	CONSTRUCTION SUPERV

Construction Area(s) identified and description of major observations relevant to implementation of the Storm Water Pollution Prevention Plan (SWPPP) :

BAP & FAR AREA

RAINED 3 DAYS AGO

Conditions:

Temporary vegetation installed within 7 days after construction (% germinated)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
Final Vegetation installed after completion of construction (% germinated)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
Straw mulch applied and crimped in place after seeding.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
Straw bale check dam(s) in place.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A
Sediment removed after major rain event.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A
Silt fence placed, securely attached, intact (no tears, damage, etc.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A
Erosion control blankets placed.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
Inlet Protection in place.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
Vehicles tracking sediment or mud off site at entrance/exit areas.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Storage/containment areas - evidence of pollutants entering drainage system.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Will a Non-compliance report be submitted?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Corrective Action Implementation (to be completed within 7 days of inspection):

NO PROB NOTED

REVER @ 19.5 Ft

SWPPP INSPECTION REPORT
 PROJECT
 LOCATION
 OWNER

ASH POND
 MEREDITH
 AMEREN

Date of Inspection:	<u>7-15-2019</u>	<input type="checkbox"/> Rain Event, 0.5" or Greater
Type of Inspection:	<u>WEEKLY</u>	<input checked="" type="checkbox"/> Weekly Scheduled
Inspector's Name:	<u>STEPHEN POWER</u>	<input type="checkbox"/> Site Entrance/Exit
Qualifications/Position:	<u>CONSTRUCTION SUPERV</u>	

Construction Area(s) identified and description of major observations relevant to implementation of the Storm Water Pollution Prevention Plan (SWPPP) :

OLD FAP & BAP AREAS.

NO RAIN FOR A WEEK

Conditions:

Temporary vegetation installed within 7 days after construction (% germinated)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
Final Vegetation installed after completion of construction (% germinated)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
Straw mulch applied and crimped in place after seeding.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
Straw bale check dam(s) in place.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A
Sediment removed after major rain event.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A
Silt fence placed, securely attached, intact (no tears, damage, etc.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A
Erosion control blankets placed.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
Inlet Protection in place.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
Vehicles tracking sediment or mud off site at entrance/exit areas.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Storage/containment areas - evidence of pollutants entering drainage system.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Will a Non-compliance report be submitted?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Corrective Action Implementation (to be completed within 7 days of inspection):

REVER @ 17 ft.

SWPPP INSPECTION REPORT
PROJECT
LOCATION
OWNER

ASH Pond
Meredith
Amgren

Date of Inspection:	
JULY 22 2019	<input type="checkbox"/> Rain Event, 0.5" or Greater
Type of Inspection:	<input checked="" type="checkbox"/> Weekly Scheduled
WEEKLY	<input type="checkbox"/> Site Entrance/Exit
Inspector's Name:	STEPHEN POTTER
Qualifications/Position:	CONST. SUPERV

Construction Area(s) identified and description of major observations relevant to implementation of the Storm Water Pollution Prevention Plan (SWPPP) :

FAP & BAP areas

Conditions:

Temporary vegetation installed within 7 days after construction (% germinated)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Final Vegetation installed after completion of construction (% germinated)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Straw mulch applied and crimped in place after seeding.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Straw bale check dam(s) in place.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Sediment removed after major rain event.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Silt fence placed, securely attached, intact (no tears, damage, etc.)	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Erosion control blankets placed.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Inlet Protection in place.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Vehicles tracking sediment or mud off site at entrance/exit areas.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Storage/containment areas - evidence of pollutants entering drainage system.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Will a Non-compliance report be submitted?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

Corrective Action Implementation (to be completed within 7 days of inspection):

No Prob

RIVER 12 ft.

SWPPP INSPECTION REPORT
PROJECT
LOCATION
OWNER

ASH ROAD
MEREDUSA
AMEREN

Date of Inspection: JULY 29 2019	<input type="checkbox"/> Rain Event, 0.5" or Greater
Type of Inspection: WEEKLY	<input checked="" type="checkbox"/> Weekly Scheduled
Inspector's Name: STEVEN POTTER	<input type="checkbox"/> Site Entrance/Exit
Qualifications/Position: CONST. SUPERV.	

Construction Area(s) identified and description of major observations relevant to implementation of the Storm Water Pollution Prevention Plan (SWPPP) :

FAP & BAP areas

Conditions:

Temporary vegetation installed within 7 days after construction (% germinated)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Final Vegetation installed after completion of construction (% germinated)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Straw mulch applied and crimped in place after seeding.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Straw bale check dam(s) in place.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Sediment removed after major rain event.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Silt fence placed, securely attached, intact (no tears, damage, etc.)	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Erosion control blankets placed.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Inlet Protection in place.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Vehicles tracking sediment or mud off site at entrance/exit areas.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Storage/containment areas - evidence of pollutants entering drainage system.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Will a Non-compliance report be submitted?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

Corrective Action Implementation (to be completed within 7 days of inspection):

No Prob.

REVER 9 ft.

SWPPP INSPECTION REPORT
PROJECT
LOCATION
OWNER

ASH POND
MEREDORA
AMEREN

Date of Inspection: Aug 5 2019	<input type="checkbox"/> Rain Event, 0.5" or Greater
Type of Inspection: WEEKLY	<input checked="" type="checkbox"/> Weekly Scheduled
Inspector's Name: STEPHEN POTTER	<input type="checkbox"/> Site Entrance/Exit
Qualifications/Position: CONST. SUPERV.	

Construction Area(s) identified and description of major observations relevant to implementation of the Storm Water Pollution Prevention Plan (SWPPP) :

FAP & BAP areas

Conditions:

Temporary vegetation installed within 7 days after construction (% germinated)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Final Vegetation installed after completion of construction (% germinated)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Straw mulch applied and crimped in place after seeding.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Straw bale check dam(s) in place.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Sediment removed after major rain event.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Silt fence placed, securely attached, intact (no tears, damage, etc.)	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Erosion control blankets placed.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Inlet Protection in place.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> N/A
Vehicles tracking sediment or mud off site at entrance/exit areas.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Storage/containment areas - evidence of pollutants entering drainage system.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Will a Non-compliance report be submitted?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

Corrective Action Implementation (to be completed within 7 days of inspection):

No Prob REVER 6ft.

SWPPP INSPECTION REPORT
 PROJECT
 LOCATION
 OWNER

ASH POND
 MEREDOSA
 AMEREN

Date of Inspection: Aug 12 2019	<input type="checkbox"/> Rain Event, 0.5" or Greater
Type of Inspection: WEEKLY	<input checked="" type="checkbox"/> Weekly Scheduled
Inspector's Name: STEPHEN POTTER	<input type="checkbox"/> Site Entrance/Exit
Qualifications/Position: CONST. SUPERV	

Construction Area(s) identified and description of major observations relevant to implementation of the Storm Water Pollution Prevention Plan (SWPPP) :

FAP & BAR AREAS

Conditions:

Temporary vegetation installed within 7 days after construction (% germinated)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
Final Vegetation installed after completion of construction (% germinated)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
Straw mulch applied and crimped in place after seeding.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
Straw bale check dam(s) in place.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A
Sediment removed after major rain event.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A
Silt fence placed, securely attached, intact (no tears, damage, etc.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A
Erosion control blankets placed.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
Inlet Protection in place.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
Vehicles tracking sediment or mud off site at entrance/exit areas.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Storage/containment areas - evidence of pollutants entering drainage system.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Will a Non-compliance report be submitted?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Corrective Action Implementation (to be completed within 7 days of inspection):

NO PROB.

BLANKENSHIP ON SITE FOR SAND & GIVE.

SWPPP INSPECTION REPORT
PROJECT
LOCATION
OWNER

ASH POND
MERCED COUNTY
AMERICAN

Date of Inspection: Aug 19 2019	<input type="checkbox"/> Rain Event, 0.5" or Greater
Type of Inspection: WEEKLY	<input checked="" type="checkbox"/> Weekly Scheduled
Inspector's Name: STEVE POTTER	<input type="checkbox"/> Site Entrance/Exit
Qualifications/Position: CONST. SUPERV	

Construction Area(s) identified and description of major observations relevant to implementation of the Storm Water Pollution Prevention Plan (SWPPP) :

FAP & BAP

Conditions:

Temporary vegetation installed within 7 days after construction (% germinated)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
Final Vegetation installed after completion of construction (% germinated)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
Straw mulch applied and crimped in place after seeding.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
Straw bale check dam(s) in place.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A
Sediment removed after major rain event.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A
Silt fence placed, securely attached, intact (no tears, damage, etc.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
Erosion control blankets placed.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A
Inlet Protection in place.	<input type="checkbox"/> Yes <input type="checkbox"/> N/A
Vehicles tracking sediment or mud off site at entrance/exit areas.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Storage/containment areas - evidence of pollutants entering drainage system.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Will a Non-compliance report be submitted?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Corrective Action Implementation (to be completed within 7 days of inspection):

No PWS

END OF JOB



APPENDIX G

AS-BUILT DRAWINGS

MEDINA VALLEY COGEN, LLC MEREDOSIA POWER STATION ASH POND CLOSURES

PRIME CONSULTANT /
GEOTECHNICAL ENG.
Geotechnology, Inc.
11816 Lakeland Rd, Suite 150
St. Louis, MO 63146
(314) 997-7440

OWNER/DEVELOPER
INFORMATION:
AMEREN ENERGY MEDINA VALLEY COGEN, LLC
CONTACT: MIKE WAGSTAFF, P.E.
11149 LINDBERGH BUSINESS CT.
SUNSET HILLS, MO 63123
(314) 957-3202

LOCAL UTILITY COMPANIES:
ELECTRIC
AMEREN ENERGY MEDINA VALLEY COGEN, LLC
800 SOUTH WASHINGTON STREET
MEREDOSIA, IL 62665

BENCHMARK INFORMATION:

PROJECT BENCHMARK:
POINT NUMBER 49:
N: 1150664.1865 E: 2185146.9920
ELEVATION: 447.42'
COORDINATE SYSTEM: ILLINOIS STATE PLANE WEST COORDINATE

DESCRIPTION:
BENCHMARK DISK SET IN TOP OF CONCRETE MONUMENT. THE BENCHMARK IS 80 FEET SOUTH OF THE CENTERLINE OF THE WABASH RAILWAY, 72.8 FEET WEST OF A POWERPOLE, 51.5 FEET WEST OF A RAILROAD CROSSING SIGNAL, AND 30.2 FEET NORTHEAST OF A POWERPOLE WITH A TRANSFORMER.

SURVEY CONTROL:
HORIZONTAL AND VERTICAL CONTROL HAS BEEN ESTABLISHED BY GPS OBSERVATION USING TRIMBLE'S "VRS NOW" NETWORK, WGS 84, NAVD 88 ADJUSTMENTS. STATE PLANE COORDINATE VALUES ARE ON THE ILLINOIS WEST PROJECTION LABELED IN FEET.
VERTICAL ELEVATIONS ARE ON USGS DATUM. NO SCALE FACTOR USED FOR THIS PROJECT. DIFFERENCE BETWEEN STATE PLANE AND GROUND DISTANCE IN PROJECT AREA IS 0.12' IN 1,500'.

SITE BENCHMARK:
POINT NUMBER 42:
N: 1149451.8579 E: 2183917.1853
ELEVATION: 454.90'
COORDINATE SYSTEM: ILLINOIS STATE PLANE WEST COORDINATE
DESCRIPTION: BENCHMARK IS A 5/8" DIA. IRON ROD LOCATED AT THE SOUTHWEST SIDE OF THE AMEREN POWER PLANT.

CIVIL ENGINEER

CDG Engineers, Inc.
One Campbell Plaza
St. Louis, MO 63139
(314) 781-7770

GLS SURVEYORS

Gateway Land Services, Inc.
4 West Drive Suite 110
Chesterfield, MO 63017
(314) 881-9556

LEGEND

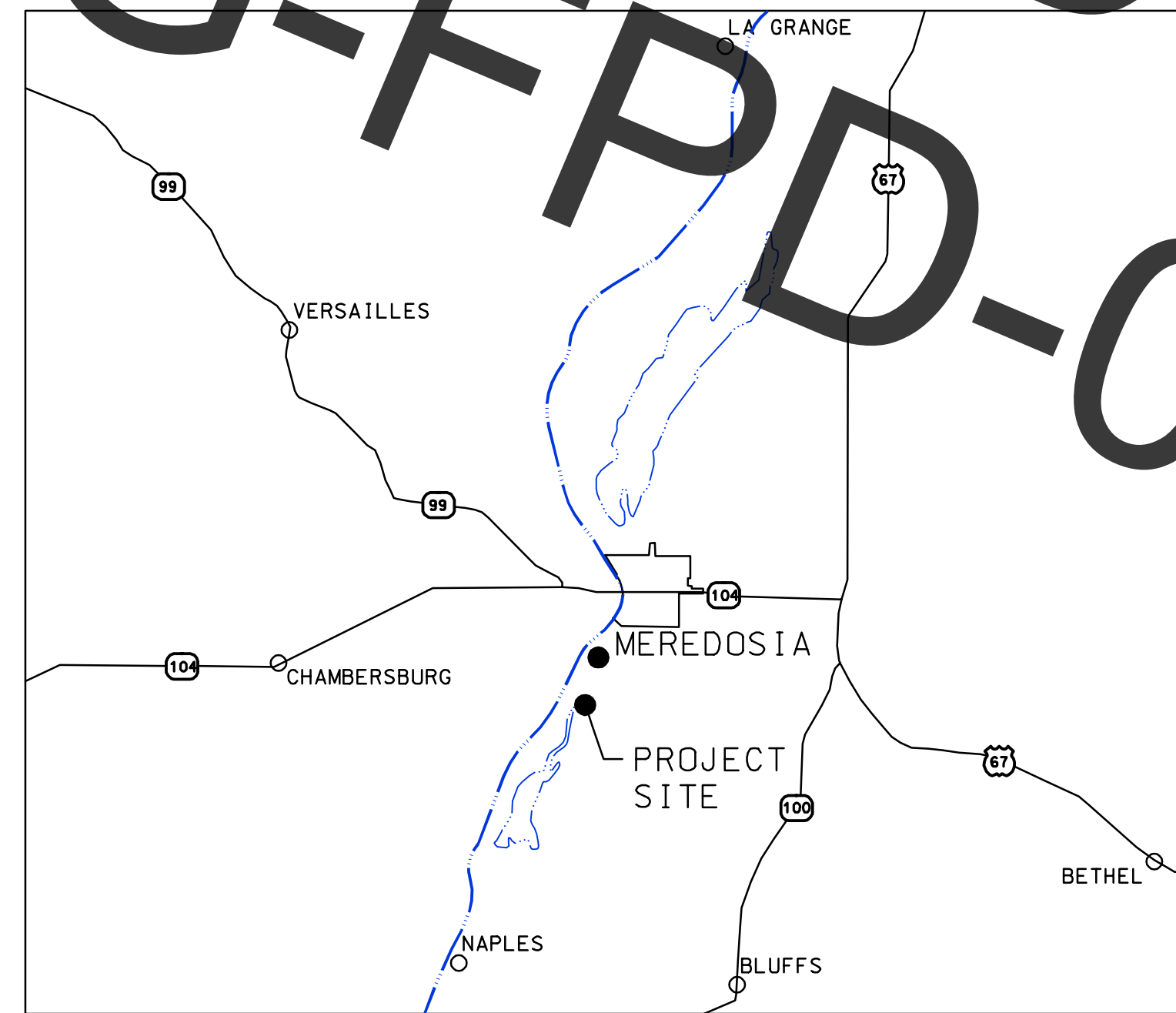
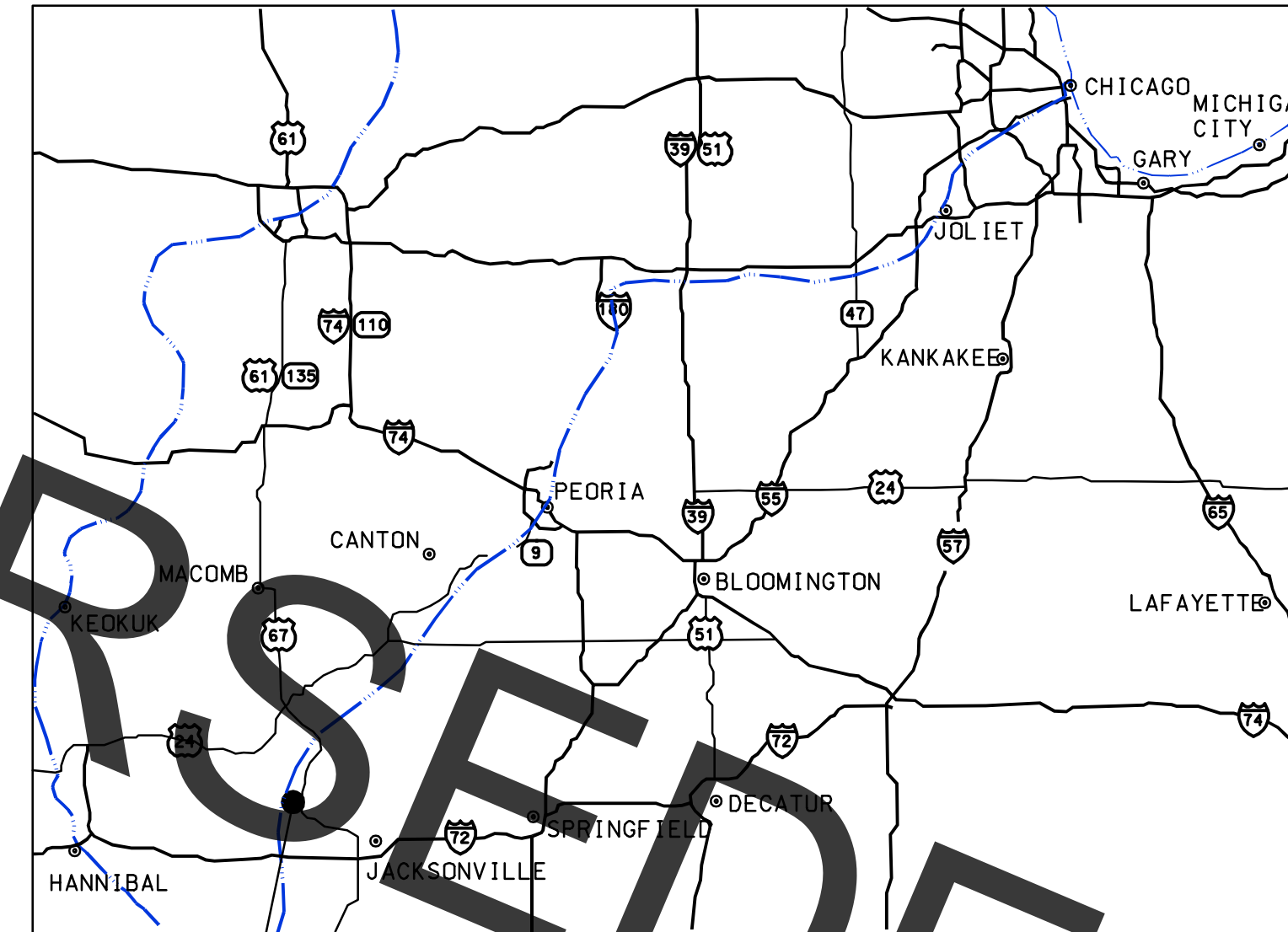
- CONTROL POINT
- BENCHMARK
- SIGN
- EXISTING MANHOLE
- LIGHT STAND
- ELECTRICAL TOWER
- ELECTRIC MANHOLE
- GAS MARKER
- FIRE HYDRANT
- POWER POLE
- PROPOSED POWER POLE
- POINT NUMBER
- STEEL POLE
- GUY WIRE
- FENCE
- GATE
- BUSH
- TREE
- ELEVATION SPOT
- ELEVATION EXISTING
- ELEVATION PROPOSED
- FLOW DIRECTION/SLOPE
- ANCHOR TRENCH
- MONITORING WELL
- ROCK BLANKET
- ENERGY DISSIPATOR
- EXISTING SOIL
- EXISTING ASH MATERIAL

ABBREVIATIONS

- BID PACKAGE
- CENTER LINE
- CORRAGATED METAL PIPE
- CAST IRON PIPE
- PORTLAND CEMENT CONCRETE
- DIAMETER
- DO NOT DISTURB
- ELEVATION
- END OF PIPE/END OF PAVEMENT
- EXISTING
- FINISH GRADE
- HORIZONTAL
- LIGHT POLE
- LEFT
- MINIMUM
- OFFSET
- POINT OF INTERSECTION
- PROPERTY LINE
- PROPOSED
- FLOW (CSI)
- RADIUS
- REINFORCED CONCRETE PIPE
- RIGHT-OF-WAY
- RIGHT
- RIGHT
- STATION
- TANGENT
- TO BE ABANDONED
- TO BE REMOVED
- TO BE REMOVED AND REPLACED
- USE IN PLACE
- UNLESS OTHERWISE NOTED
- VERTICAL
- WITH

- EXISTING ANCHOR WIRE
- EXISTING UNDERGROUND ELECTRIC
- EXISTING WATER LINE
- EXISTING GAS LINE
- EXISTING SEWER LINE
- EXISTING UNDERGROUND TELEPHONE LINES
- EXISTING OVERHEAD ELECTRIC
- PROPOSED MINOR CONTOUR
- PROPOSED MAJOR CONTOUR
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- LIMITS OF DISTURBANCE
- EXISTING RAILROAD
- EXISTING STORM SEWER
- EXISTING PIPELINE
- EXISTING CHAIN LINK FENCE
- PROPOSED CHAIN LINK FENCE
- CLOSURETURF™ LIMITS
- LIMITS OF DISTURBANCE
- CLOSURETURF™ WITH ARMORFILL™ DITCH
- CLOSURETURF™

NOTE: NOT ALL OF THE SYMBOLS ARE USED IN THESE DRAWINGS.



DRAWING LIST	
NUMBER	TITLE
T-001	TITLE SHEET
T-002	PLANT VICINITY MAP
T-003	GENERAL NOTES
C-101	SITE INDEX MAP
C-102	SITE PLAN
C-103	SITE PLAN
C-104	SITE PLAN
C-105	SITE PLAN
C-106	SITE PLAN
C-107	SITE PLAN
C-108	NOT USED
C-109	NOT USED
C-110	SITE PROFILE
C-111	PROFILES
C-301	DETAILS
C-302	DETAILS
C-303	DETAILS
C-304	DETAILS
C-305	DETAILS
C-601	DRAINAGE AREA MAP
C-602	SWPPP PLAN
C-603	SWPPP DETAILS
C-701	AS-BUILT AERIAL TOPOGRAPHY
C-702	AS-BUILT AERIAL TOPOGRAPHY
C-703	AS-BUILT AERIAL TOPOGRAPHY

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THE UNDERGROUND UTILITIES SHOWN HEREIN WERE PLOTTED FROM AVAILABLE INFORMATION AND DO NOT NECESSARILY REFLECT THE ACTUAL EXISTENCE, NONEXISTENCE, SIZE, TYPE, NUMBER, OR LOCATION OF THESE OR OTHER UTILITIES. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACTUAL LOCATION OF ALL UNDERGROUND UTILITIES, SHOWN OR NOT SHOWN, AND SHALL LOCATE THE UTILITIES IN THE FIELD PRIOR TO ANY GRADING, EXCAVATION, OR CONSTRUCTION IMPROVEMENTS.

AS-BUILTS

REV	PROJ ID	DATE	DRWN	RVM	APPD
2	15093	3/8/19	HWB	MMV	MW
1	15093	12/20/17	MMV	SGH	MW
0	15093	8/12/16	MMV	MWB	MW

MEDINA VALLEY COGEN, LLC
ASH POND CLOSURE
AS-BUILT PLANS
TITLE SHEET

MEREDOSIA POWER STATION

T-001

2

SCALE RATIO = 1

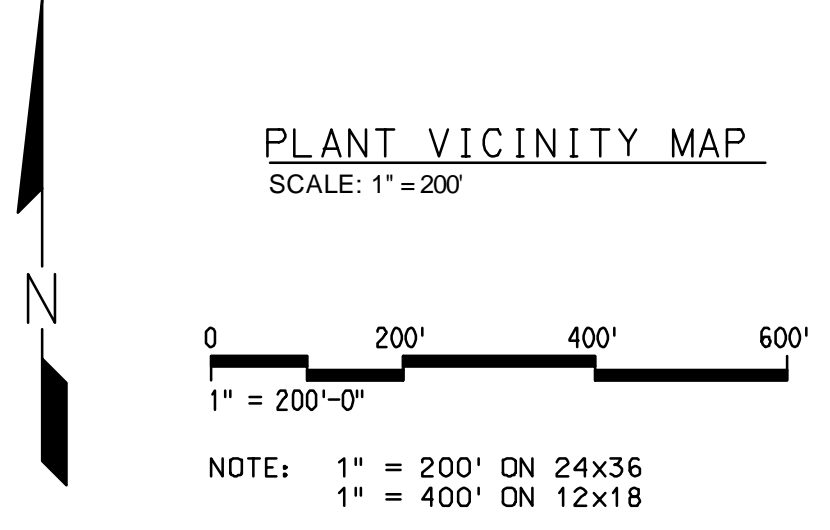


SUPERSEDED BY:
MD-DWG-FPD-000001 002

GENERAL NOTES:

- EXISTING CONTOURS ARE SHOWN AT 2' INTERVALS. EXISTING CONTOURS WERE CREATED BY AERVIEW BY USING ORTHOPHOTOS. PHOTOGRAPHY WAS DONE ON 10/12/2015.

PLANT VICINITY MAP
SCALE: 1" = 200'



*****AS-BUILTS*****

THE UNDERGROUND UTILITIES SHOWN HEREIN WERE PLOTTED FROM AVAILABLE INFORMATION AND DO NOT NECESSARILY REFLECT THE ACTUAL EXISTENCE, NONEXISTENCE, SIZE, TYPE, NUMBER, OR LOCATION OF THESE OR OTHER UTILITIES. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACTUAL LOCATION OF ALL UNDERGROUND UTILITIES, SHOWN OR NOT SHOWN, AND SHALL LOCATE THE UTILITIES IN THE FIELD PRIOR TO ANY GRADING, EXCAVATION, OR CONSTRUCTION IMPROVEMENTS.

REV	PROJ ID	DATE	DRWN	RVM	APPD
2	15093	3/8/19	HWB	MMV	MW
1	15093	12/20/17	MMV	SGH	MW
0	15093	8/12/16	MMV	MWB	MW

MEDINA VALLEY COGEN, LLC
ASH POND CLOSURE
AS-BUILT PLANS
PLANT VICINITY MAP

MEREDOSIA POWER STATION



T-002

REV 2

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GENERAL NOTES:

Scope of Work

The following paragraph is to help the Contractor understand the overall project scope of work. This information should be used in conjunction with the specifications and the overall drawings. It is not the intent of this information to be all inclusive.

The scope of work for this project encompasses the work required to grade and close, the Coal Pile, Bottom Ash Pond, and Fly Ash Pond. This includes selective demolition, clearing and grubbing, installation of fences and gates, relocation of utilities, the regrading of the Coal Pile, the dewatering and regrading of Bottom Ash Pond, dewatering and regrading of Fly Ash Pond, installation of synthetic turf, construction of access roads, placement of rock bladders, finish grading, shaping of ditches, and the seeding and restoration of all disturbed areas not covered by synthetic turf.

Staging Area and Proposed Construction Office

- The location for the proposed construction offices and the staging area is shown on Sheet T-002.

Grading Balance and Proposed Contours

- The intent and scope of this project is to regrade the Coal Pile, Bottom Ash Pond, and Fly Ash Pond to conform to the grades and slopes as shown on the drawings. Sheet T-101, Grading/Site Plan, shows quantities of material. Any additional cut shall be distributed evenly throughout the grading area of the Fly Ash Pond so as to produce a balance. There shall be no haul-off of material from the site.
Ash material removal includes coal fines, bottom ash, fly ash, ash/soil/rock mixture from the Coal Pile, Bottom Ash Pond, Fly Ash Pond, and Eastern Fly Ash Stockpile.
Note that the cut/fill calculations were performed with a cut and fill factor of one (1), because of the variability of the ash in regards to 'shrinkage' & 'swell'.
In order to accommodate a final balanced cut and fill grade, the Contractor may adjust the final grade elevations provided that the profile slopes of the ditches are not reduced less than the minimum slopes as shown on the drawings and that the drainage areas stay the same in coverage. The drainage area map, Sheets C-601, has been provided in this drawing set as a reference.

Dewatering

- The Contractor shall dewater and monitor settlement of the ash as necessary in order to achieve final placement of the ash in accordance with the specifications and plans.
Geotechnical studies indicate known supersaturated and liquefiable materials within the Bottom Ash Pond and Fly Ash Pond on-site.
Water that is removed from Ash Ponds, from dewatering operations, must be discharged in an approved manner under the direction of Ameren personnel. Water conditioning may be implemented in order to balance pH and remove suspended solids (TSS).
Dewatering well points within the Bottom Ash Pond need to be pumped and drained to a settling basin within the Fly Ash Pond prior to being discharged through the regulated NPDES Outfall 004 location in the Fly Ash Pond (shown on T-002).
There is a standing pond of water located at the southwest end of the Fly Ash Pond. This pond is equipped with an existing NPDES outflow structure. The structure is used to control the overflow elevation of the standing water. The Contractor may utilize this water for dust control for grading operations.
The Contractor must submit a dewatering plan for this project to Ameren. The plan must be approved by Ameren personnel prior to implementation.
At no time shall dewatering be discharged to the Illinois River. All dewatering activities must go through the regulated NPDES Outfall 004 at the southwest corner of the Fly Ash Pond before leaving site.

Survey Control

- The description of the site benchmark location is shown on Sheet T-001. The site benchmark is located at the southwest side of the Ameren Power Plant as a 3/4" dia. iron rod.
PROTECT THIS BENCHMARK FROM DISTURBANCE. The elevation of this benchmark has been established as the overall vertical control for this project.

Proposed Grading Contours and Ditch Elevations

- A profile grade, both existing and proposed, has been provided for ClosureTurf™ and the primary ClosureTurf™ with ArmorFill™ ditches for the Fly Ash Pond. See Sheets C-110 through C-112.
Contractor to be provided with AutoCAD files for construction layout, use coordinates as shown on drawings.

Utility Relocation

- Utility scope of work includes:
Relocate powerpoles and overhead electric lines
Install underground electric to panel box
Install powerpole flashing
Install dust-to-down lights

Seeding and Mulching

- Seeding and mulching shall occur in all areas within limits of disturbance and outside ClosureTurf™ limits. These areas include but not limited to:

- Coal Pile
Bottom Ash Pond
Eastern Fly Ash Stockpile
Construction Staging Areas

Stormwater Pollution Prevention Plan and Land Disturbance Permit

- A land disturbance permit, as required by the State of Illinois and the County of Morgan, is not required. A Stormwater Pollution Prevention Plan has been prepared by Ameren. The contractor shall utilize the plan. See Sheets C-601, C-602, & C-603 for reference only.

- All drainage from the grading operations must be monitored onsite.

Demolition

- Contractor to coordinate demolition activities with Ameren personnel.
Demolished materials remaining on-site shall be disposed of within the Fly Ash Pond and comply with specifications Section 02200.
Removal of chainlink fencing shall include all fencing materials including but not limited to the mesh, posts, supports, barbed wire, foundations, etc.
Contractor may salvage any materials within the scope of demolition, such as, metal piping, chainlink fencing, rock blanket, powerpoles, lightpoles, etc. Salvage materials must be approved by Ameren personnel before leaving project site.

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AS-BUILT DRAWING-FRPD-0000001 003

AS-BUILTS

THE UNDERGROUND UTILITIES SHOWN HEREIN WERE PLOTTED FROM AVAILABLE INFORMATION AND DO NOT NECESSARILY REFLECT THE ACTUAL EXISTENCE, NONEXISTENCE, SIZE, TYPE, NUMBER, OR LOCATION OF THESE OR OTHER UTILITIES. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACTUAL LOCATION OF ALL UNDERGROUND UTILITIES, SHOWN OR NOT SHOWN, AND SHALL LOCATE THE UTILITIES IN THE FIELD PRIOR TO ANY GRADING, EXCAVATION, OR CONSTRUCTION IMPROVEMENTS.

Table with columns: REV, PROJ ID, DATE, DRWN, RVW, APPD. Includes rows for AS-BUILT CONDITION and FOR CONSTRUCTION.

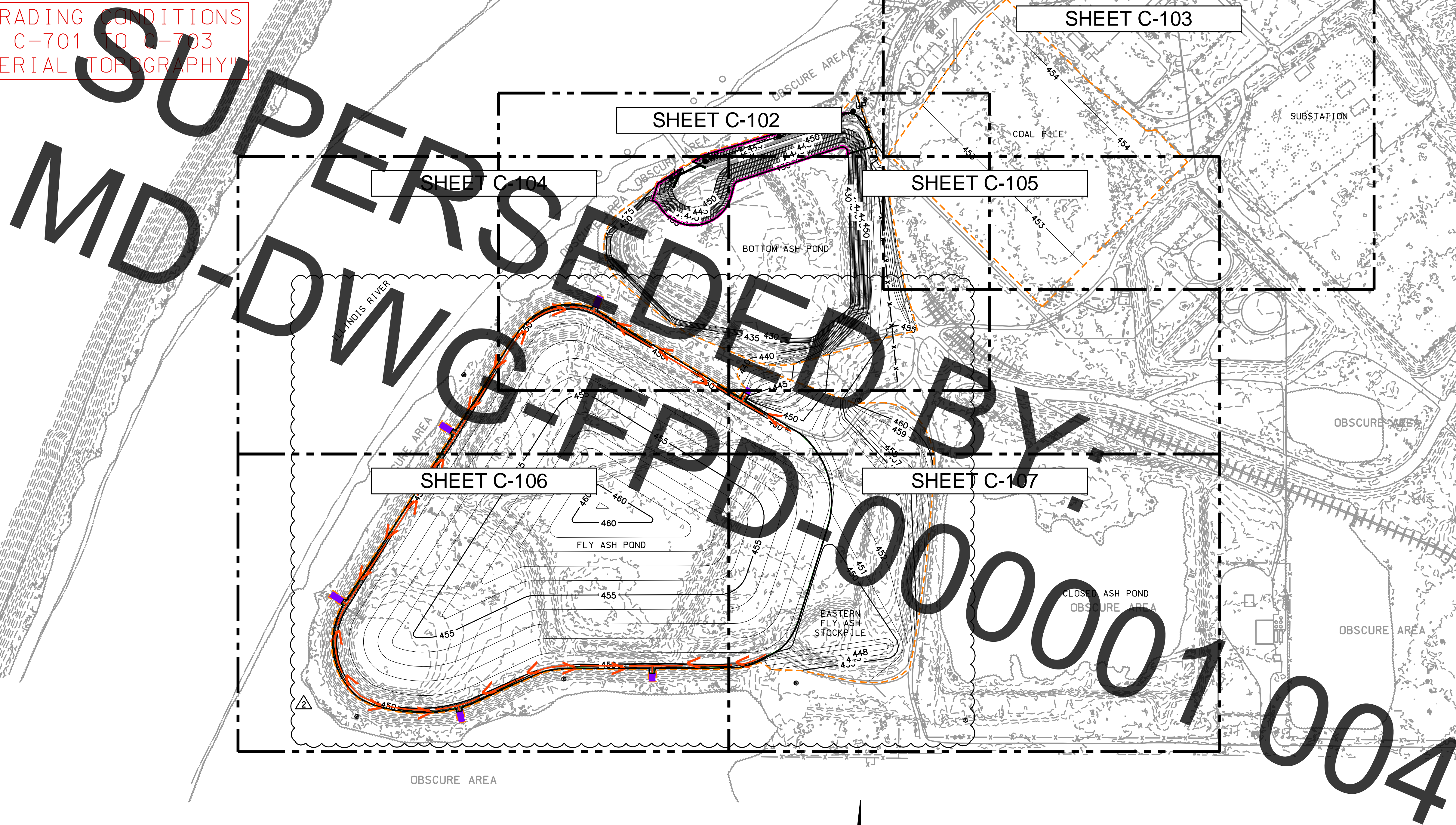
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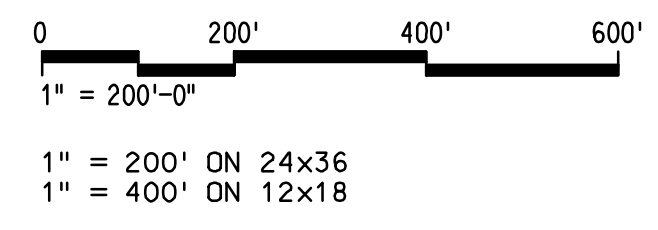
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PROPOSED CONTOURS	---	500
EXISTING RAILROAD	—+—+—+—+—	
LIMITS OF DISTURBANCE	---	
CLOSURETURF™ LIMITS	---	
CLOSURETURF™ WITH ARMORFILL™ DITCH	→→→→	
FLOW DIRECTION/SLOPE	→	3.60%
ANCHOR TRENCH	---	
ROCK BLANKET	---	
ENERGY DISSIPATOR	---	

FOR FINAL GRADING CONDITIONS
SEE SHEET C-701 TO C-703
"AS-BUILT AERIAL TOPOGRAPHY"



EARTHWORK SUMMARY			
	ON-SITE		OFF-SITE
LOCATION	ASH MATERIAL REMOVAL (CY)	ASH BACKFILL (CY)	SOIL BACKFILL (CY)
COAL PILE	38,491		
BOTTOM ASH POND	301,388	11,272	161,356
EAST FLY ASH STOCKPILE	98,609		5,720
FLY ASH POND		427,216	
TOTALS:	438,488	438,488	167,076

- GENERAL NOTES:**
- EXISTING CONTOURS ARE SHOWN AT 2' INTERVALS. EXISTING CONTOURS WERE CREATED BY AEROVIEW BY USING ORTHOPHOTOS. PHOTOGRAPHY WAS FLOWN ON 10/12/2015.
 - ASH MATERIAL REMOVAL INCLUDES COAL FINES, BOTTOM ASH, FLY ASH, ASH/SOIL/ROCK MIXTURE FROM THE COAL PILE, BOTTOM ASH POND, FLY ASH POND, AND EASTERN FLY ASH STOCKPILE.
 - ASH BACKFILL WITHIN BOTTOM ASH POND SHALL ONLY BE BOTTOM ASH MATERIAL.
 - SOIL BACKFILL MAY CONSIST OF CLAY, SAND, SILT. SEE PROJECT SPECIFICATIONS.
 - BOTTOM ASH POND SHALL BE EXCAVATED TO ELEVATION 424.0' WITH EXCAVATED MATERIAL BEING DEPOSITED INTO THE FLY ASH POND. OFF-SITE BORROW SOIL SHALL BE BACKFILLED TO ELEVATION 430.0' WITHIN THE BOTTOM ASH POND.



*****AS-BUILTS*****

THE UNDERGROUND UTILITIES SHOWN HEREIN WERE PLOTTED FROM AVAILABLE INFORMATION AND DO NOT NECESSARILY REFLECT THE ACTUAL EXISTENCE, NONEXISTENCE, SIZE, TYPE, NUMBER, OR LOCATION OF THESE OR OTHER UTILITIES. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACTUAL LOCATION OF ALL UNDERGROUND UTILITIES, SHOWN OR NOT SHOWN, AND SHALL LOCATE THE UTILITIES IN THE FIELD PRIOR TO ANY GRADING, EXCAVATION, OR CONSTRUCTION IMPROVEMENTS.

REV	PROJ ID	DATE	DRWN	RVW	APPD
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2	15093	7/5/18	MMV	SGH	MW
1	15093	12/20/17	MMV	SGH	MW
0	15093	8/12/16	MMV	MWB	MW

MEDINA VALLEY COGEN, LLC
ASH POND CLOSURE
AS-BUILT PLANS
SITE INDEX MAP

MEREDOSIA POWER STATION
C-101
3



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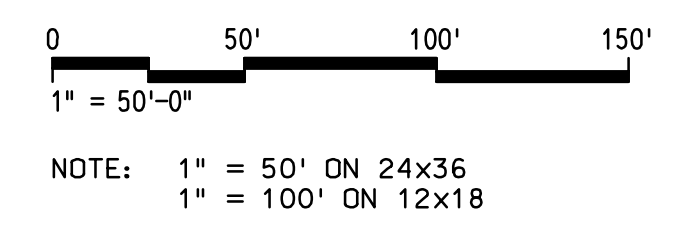
- LEGEND:**
- EXISTING CONTOURS
 - PROPOSED CONTOURS
 - EXISTING RAILROAD
 - LIMITS OF DISTURBANCE
 - CLOSURETURF™ LIMITS
 - CLOSURETURF™ WITH ARMORFILL™ DITCH
 - FLOW DIRECTION/SLOPE
 - ANCHOR TRENCH
 - ROCK BLANKET
 - ENERGY DISSIPATOR

FOR FINAL GRADING CONDITIONS
SEE SHEET C-701 TO C-705
"AS-BUILT AERIAL TOPOGRAPHY"

MD-DWG-FPD-0000010005

- GENERAL NOTES:**
- EXISTING CONTOURS ARE SHOWN AT 2' INTERVALS. EXISTING CONTOURS WERE CREATED BY AERVIEW BY USING ORTHOPHOTOS. PHOTOGRAPHY WAS FLOWN ON 10/12/2015.
 - CONTRACTOR TO FIELD LOCATE UNDERGROUND UTILITIES AND GAS LINES PRIOR TO EXCAVATING.
 - CHAINLINK FENCING ALONG SHEETPIILING TO REMAIN IN PLACE TO CORNER POSTS. CONTRACTOR TO MINIMIZE DISTURBANCE DURING CONSTRUCTION ACTIVITIES.

- DEMOLITION NOTES:**
- REMOVE AND DISPOSE OF NPDES OUTFLOW STRUCTURE AND OUTLET PIPE. BACKFILL AND COMPACT ALL VOIDS WITH SOIL.
 - REMOVE AND DISPOSE OF APPROXIMATELY 2063 LF OF ALL CHAINLINK FENCE MATERIALS.
 - REMOVE AND DISPOSE OF INFLOW STRUCTURE, CONCRETE VAULT STRUCTURE, AND INLET PIPE. BACKFILL AND COMPACT ALL VOIDS WITH SOIL.
 - REMOVE AND DISPOSE OF ALL LIGHT POLES (TYP.).
 - REMOVE SLUICE PIPES, STEAMLINE PIPES, AND FOUNDATIONS TO LIMITS OF DEMOLITION LINE.



THE UNDERGROUND UTILITIES SHOWN HEREIN WERE PLOTTED FROM AVAILABLE INFORMATION AND DO NOT NECESSARILY REFLECT THE ACTUAL EXISTENCE, NONEXISTENCE, SIZE, TYPE, NUMBER, OR LOCATION OF THESE OR OTHER UTILITIES. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACTUAL LOCATION OF ALL UNDERGROUND UTILITIES, SHOWN OR NOT SHOWN, AND SHALL LOCATE THE UTILITIES IN THE FIELD PRIOR TO ANY GRADING, EXCAVATION, OR CONSTRUCTION IMPROVEMENTS.

REV	PROJ ID	DATE	DRWN	RVW	APPD
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2	15093	7/5/18	MMV	SGH	MM
1	15093	12/20/17	MMV	SGH	MM
0	15093	8/12/16	MMV	MWB	MM

MEDINA VALLEY COGEN, LLC
ASH POND CLOSURE
AS-BUILT PLANS
SITE PLAT

MEREDOSIA POWER STATION

Ameren MISSOURI

C-102

3

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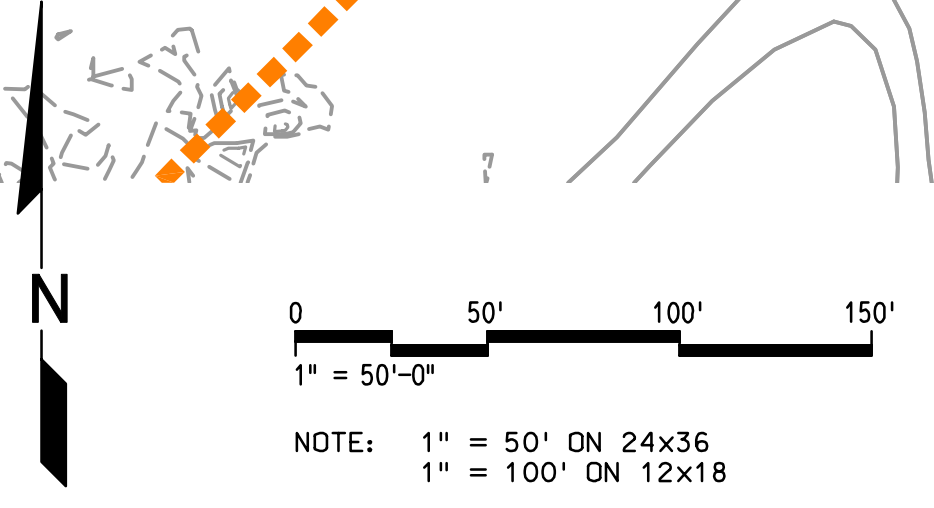
- EXISTING CONTOURS
- PROPOSED CONTOURS
- EXISTING RAILROAD
- LIMITS OF DISTURBANCE
- CLOSURETURF™ LIMITS
- CLOSURETURF™ WITH ARMORFILL™ DITCH
- FLOW DIRECTION/SLOPE
- ANCHOR TRENCH
- ROCK BLANKET
- ENERGY DISSIPATOR

**SUPERSEDED BY
MD-DWG-FPD-000001-0006**

FOR FINAL GRADING CONDITIONS
SEE SHEET C-701 TO C-703
"AS-BUILT AERIAL TOPOGRAPHY"

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- GENERAL NOTES:**
- EXISTING CONTOURS ARE SHOWN AT 2' INTERVALS. EXISTING CONTOURS WERE CREATED BY AEROSURF BY USING ORTHOPHOTOS. PHOTOGRAPHY WAS FLOWN ON 10/12/2015.
 - CONTRACTOR TO FIELD LOCATE UNDERGROUND UTILITIES & GAS LINES PRIOR TO EXCAVATION.
 - CONTRACTOR TO STRIP OFF 18"-24" OF COAL PILE AND GRADE TO PROPOSED CONTOURS AS SHOWN. ALLOW SITE TO DRAIN FREELY WITH OUT WATER PONDING. DEPOSIT WASTE MATERIAL IN FLY ASH POND.



THE UNDERGROUND UTILITIES SHOWN HEREIN WERE PLOTTED FROM AVAILABLE INFORMATION AND DO NOT NECESSARILY REFLECT THE ACTUAL EXISTENCE, NONEXISTENCE, SIZE, TYPE, NUMBER, OR LOCATION OF THESE OR OTHER UTILITIES. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACTUAL LOCATION OF ALL UNDERGROUND UTILITIES, SHOWN OR NOT SHOWN, AND SHALL LOCATE THE UTILITIES IN THE FIELD PRIOR TO ANY GRADING, EXCAVATION, OR CONSTRUCTION IMPROVEMENTS.

*****AS-BUILTS*****

REV	PROJ ID	DATE	DRWN	RVW	APPD
1	15093	12/20/17	MMV	SGH	MW
2	15093	3/8/19	HWB	MMV	MW

AS-BUILT CONDITION

REV	PROJ ID	DATE	DRWN	RVW	APPD
0	15093	8/12/16	MMV	MWB	MW

FOR CONSTRUCTION

FOR SUBMITTAL TO I-EPA

MEDINA VALLEY COGEN, LLC			C-103	2
ASH POND CLOSURE				
AS-BUILT PLANS				
SITE PLAN		MEREDOSIA POWER STATION		

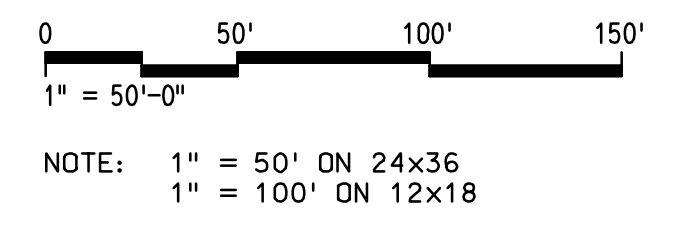
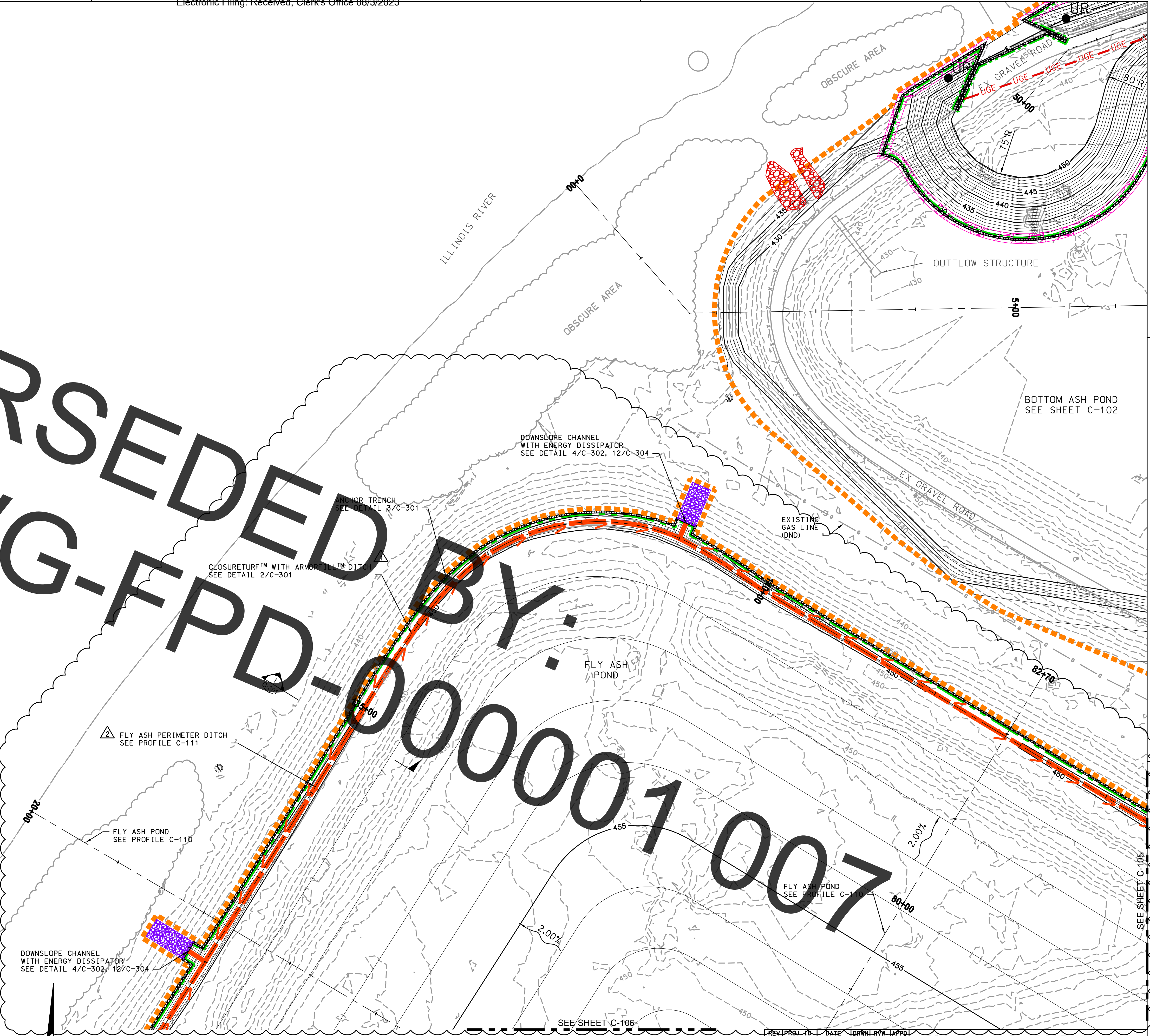
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MD-DWG-FPD-000001007

FOR FINAL GRADING CONDITIONS
SEE SHEET C-701 TO C-703
"AS-BUILT AERIAL TOPOGRAPHY"

LEGEND:

EXISTING CONTOURS		500
PROPOSED CONTOURS		500
EXISTING RAILROAD		
LIMITS OF DISTURBANCE		
CLOSURETURF™ LIMITS		
CLOSURETURF™ WITH ARMORFILL™ DITCH		
FLOW DIRECTION/SLOPE		3.60%
ANCHOR TRENCH		
ROCK BLANKET		
ENERGY DISSIPATOR		

- GENERAL NOTES:**
- EXISTING CONTOURS ARE SHOWN AT 2' INTERVALS. EXISTING CONTOURS WERE CREATED BY AEROVUE BY USING ORTHOPHOTOS. PHOTOGRAPHY WAS FLOWN ON 10/12/2015.
 - CONTRACTOR TO FIELD LOCATED UNDERGROUND UTILITIES & GAS LINES PRIOR TO EXCAVATION.



*****AS-BUILTS*****

THE UNDERGROUND UTILITIES SHOWN HEREIN WERE PLOTTED FROM AVAILABLE INFORMATION AND DO NOT NECESSARILY REFLECT THE ACTUAL EXISTENCE, NONEXISTENCE, SIZE, TYPE, NUMBER, OR LOCATION OF THESE OR OTHER UTILITIES. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACTUAL LOCATION OF ALL UNDERGROUND UTILITIES, SHOWN OR NOT SHOWN, AND SHALL LOCATE THE UTILITIES IN THE FIELD PRIOR TO ANY GRADING, EXCAVATION, OR CONSTRUCTION IMPROVEMENTS.

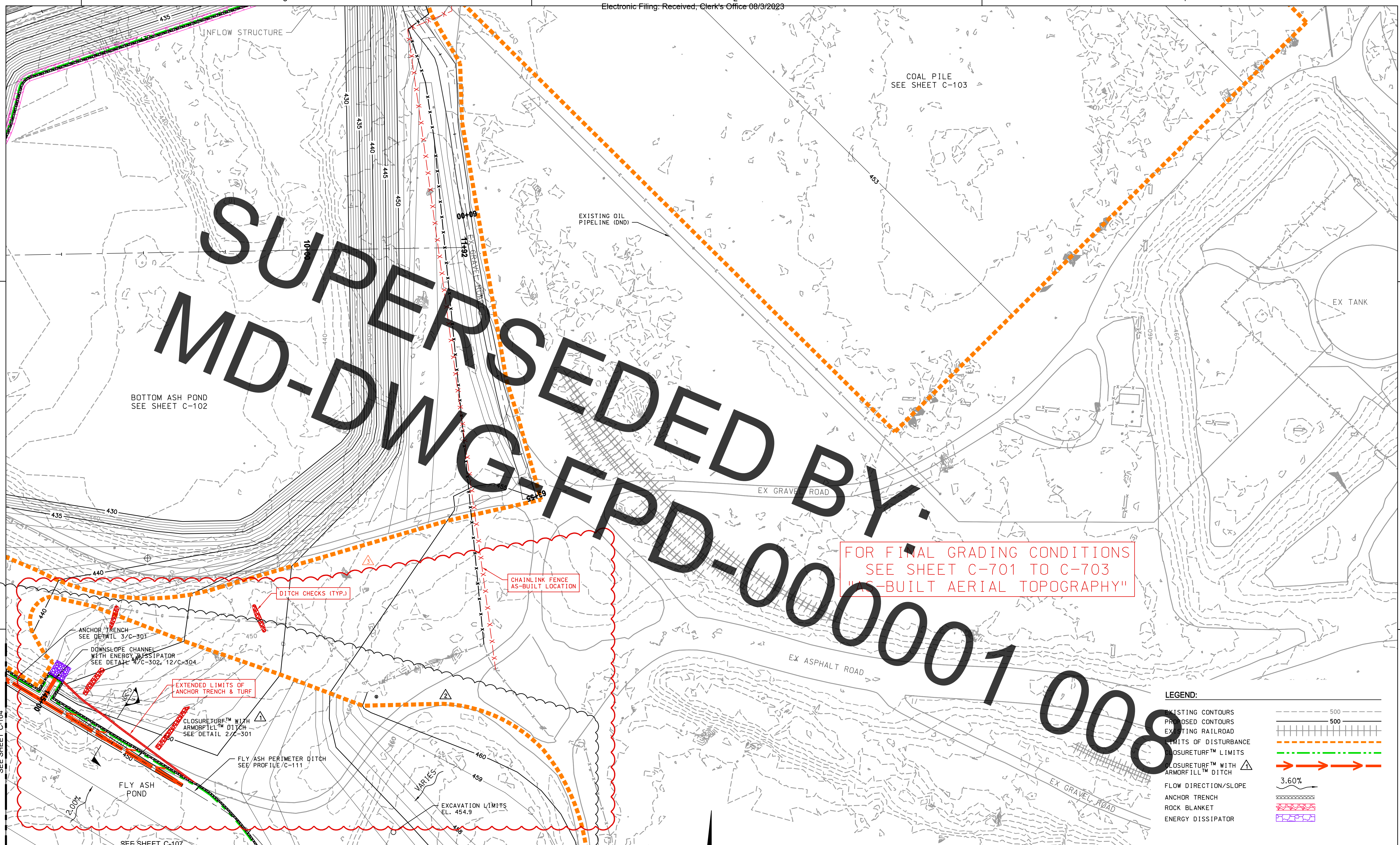
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3	15093	3/8/19	HWB	MMV	MM	
AS-BUILT CONDITION						
2	15093	7/5/18	MMV	SGH	MM	MEREDOSIA POWER STATION
REVISED CONTOURS						
1	15093	12/20/17	MMV	SGH	MM	Amen MISSOURI
FOR CONSTRUCTION						
0	15093	8/12/16	MMV	MWB	MM	
SUBMITTAL TO I-EPA						C-104
						REV 3



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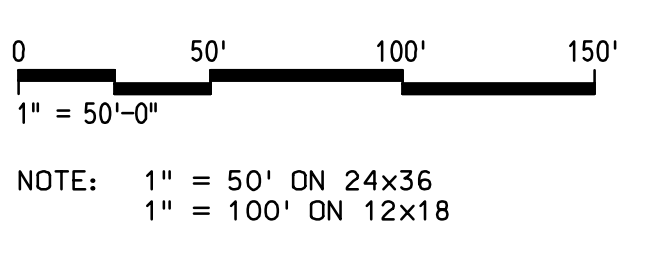
FOR FINAL GRADING CONDITIONS
SEE SHEET C-701 TO C-703
"AS-BUILT AERIAL TOPOGRAPHY"



LEGEND:

EXISTING CONTOURS	---
PROPOSED CONTOURS	---
EXISTING RAILROAD	
LIMITS OF DISTURBANCE	---
CLOSURE TM LIMITS	---
CLOSURE TM WITH ARMORFILL TM DITCH	---
FLOW DIRECTION/SLOPE	---
ANCHOR TRENCH	---
ROCK BLANKET	---
ENERGY DISSIPATOR	---

- GENERAL NOTES:
- EXISTING CONTOURS ARE SHOWN AT 2' INTERVALS. EXISTING CONTOURS WERE CREATED BY AEROVIEW BY USING ORTHOPHOTOS. PHOTOGRAPHY WAS FLOWN ON 10/12/2015.
 - CONTRACTOR TO FIELD LOCATE UNDERGROUND UTILITIES & GAS LINES PRIOR TO EXCAVATION.



AS-BUILTS

THE UNDERGROUND UTILITIES SHOWN HEREIN WERE PLOTTED FROM AVAILABLE INFORMATION AND DO NOT NECESSARILY REFLECT THE ACTUAL EXISTENCE, NONEXISTENCE, SIZE, TYPE, NUMBER, OR LOCATION OF THESE OR OTHER UTILITIES. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACTUAL LOCATION OF ALL UNDERGROUND UTILITIES, SHOWN OR NOT SHOWN, AND SHALL LOCATE THE UTILITIES IN THE FIELD PRIOR TO ANY GRADING, EXCAVATION, OR CONSTRUCTION IMPROVEMENTS.

REV	PROJ ID	DATE	DRWN	RVW	APPD
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2	15093	7/5/18	MMV	SGH	MW
1	15093	12/20/17	MMV	SGH	MW
0	15093	8/12/16	MMV	MWB	MW

MEDINA VALLEY COGEN, LLC
ASH POND CLOSURE
AS-BUILT PLANS
SITE PLAN

MEREDOSIA POWER STATION

Ameren MISSOURI

C-105

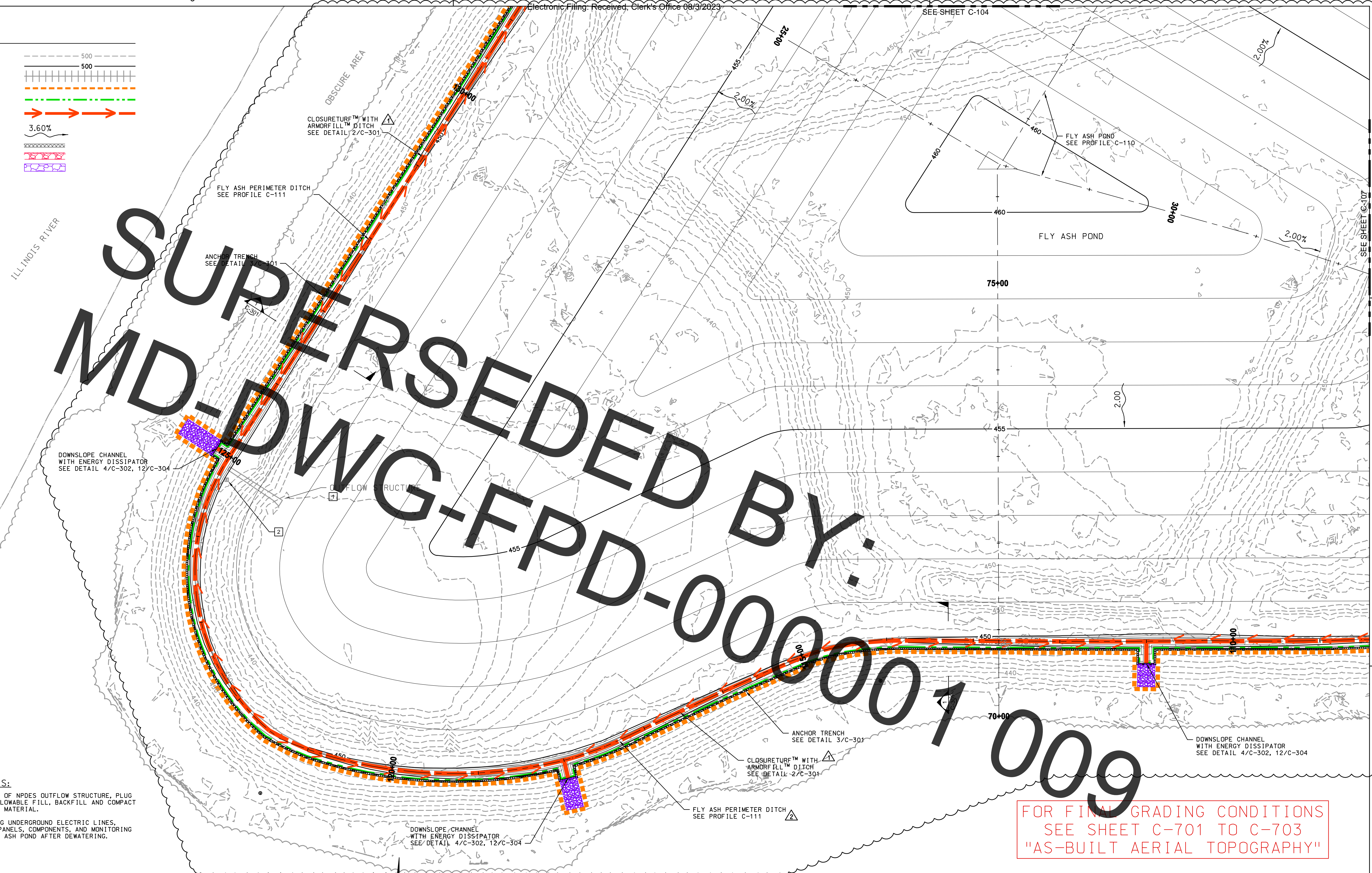
REV 3

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LEGEND:

- EXISTING CONTOURS
- PROPOSED CONTOURS
- EXISTING RAILROAD
- LIMITS OF DISTURBANCE
- CLOSURETURF™ LIMITS
- CLOSURETURF™ WITH ARMORFILL™ DITCH
- FLOW DIRECTION/SLOPE
- ANCHOR TRENCH
- ROCK BLANKET
- ENERGY DISSIPATOR



SUPERSEDED BY
 MD-DWG-FPD-000001009

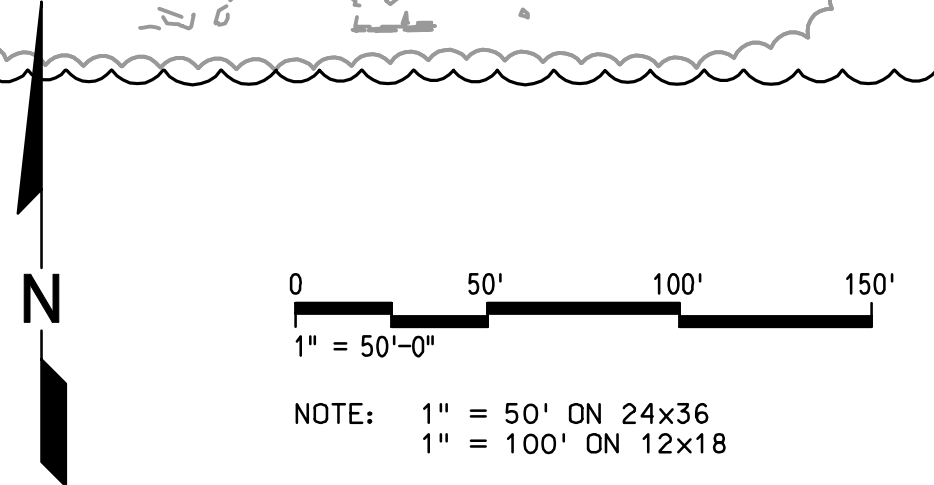
FOR FINAL GRADING CONDITIONS
 SEE SHEET C-701 TO C-703
 "AS-BUILT AERIAL TOPOGRAPHY"

DEMOLITION NOTES:

- 1 REMOVE AND DISPOSE OF NPDES OUTFLOW STRUCTURE, PLUG OUTLET PIPE WITH FLOWABLE FILL, BACKFILL AND COMPACT ALL VOIDS WITH ASH MATERIAL.
- 2 REMOVE ALL EXISTING UNDERGROUND ELECTRIC LINES, ELECTRICAL BOXES, PANELS, COMPONENTS, AND MONITORING EQUIPMENT FROM FLY ASH POND AFTER DEWATERING.

GENERAL NOTES:

1. EXISTING CONTOURS ARE SHOWN AT 2' INTERVALS. EXISTING CONTOURS WERE CREATED BY AEROVIEW BY USING ORTHOPHOTOS. PHOTOGRAPHY WAS FLOWN ON 10/12/2015.
2. CONTRACTOR TO FIELD LOCATE UNDERGROUND UTILITIES & GAS LINES PRIOR TO EXCAVATING.



AS-BUILTS

THE UNDERGROUND UTILITIES SHOWN HEREIN WERE PLOTTED FROM AVAILABLE INFORMATION AND DO NOT NECESSARILY REFLECT THE ACTUAL EXISTENCE, NONEXISTENCE, SIZE, TYPE, NUMBER, OR LOCATION OF THESE OR OTHER UTILITIES. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACTUAL LOCATION OF ALL UNDERGROUND UTILITIES, SHOWN OR NOT SHOWN, AND SHALL LOCATE THE UTILITIES IN THE FIELD PRIOR TO ANY GRADING, EXCAVATION, OR CONSTRUCTION IMPROVEMENTS.

REV	PROJ ID	DATE	DRWN	RVW	APPD
3	15093	3/8/19	HWB	MMV	MW
AS-BUILT CONDITION					
2	15093	7/5/18	MMV	SGH	MW
REVISED CONTOURS					
1	15093	12/20/17	MMV	SGH	MW
FOR CONSTRUCTION					
0	15093	8/12/16	MMV	MWB	MW
SUBMITTAL TO I-EPA					

MEDINA VALLEY COGEN, LLC AS-BUILT PLANS SITE PLAN	MEREDOSIA POWER STATION
	C-106
SCALE RATIO = 1	REV 3

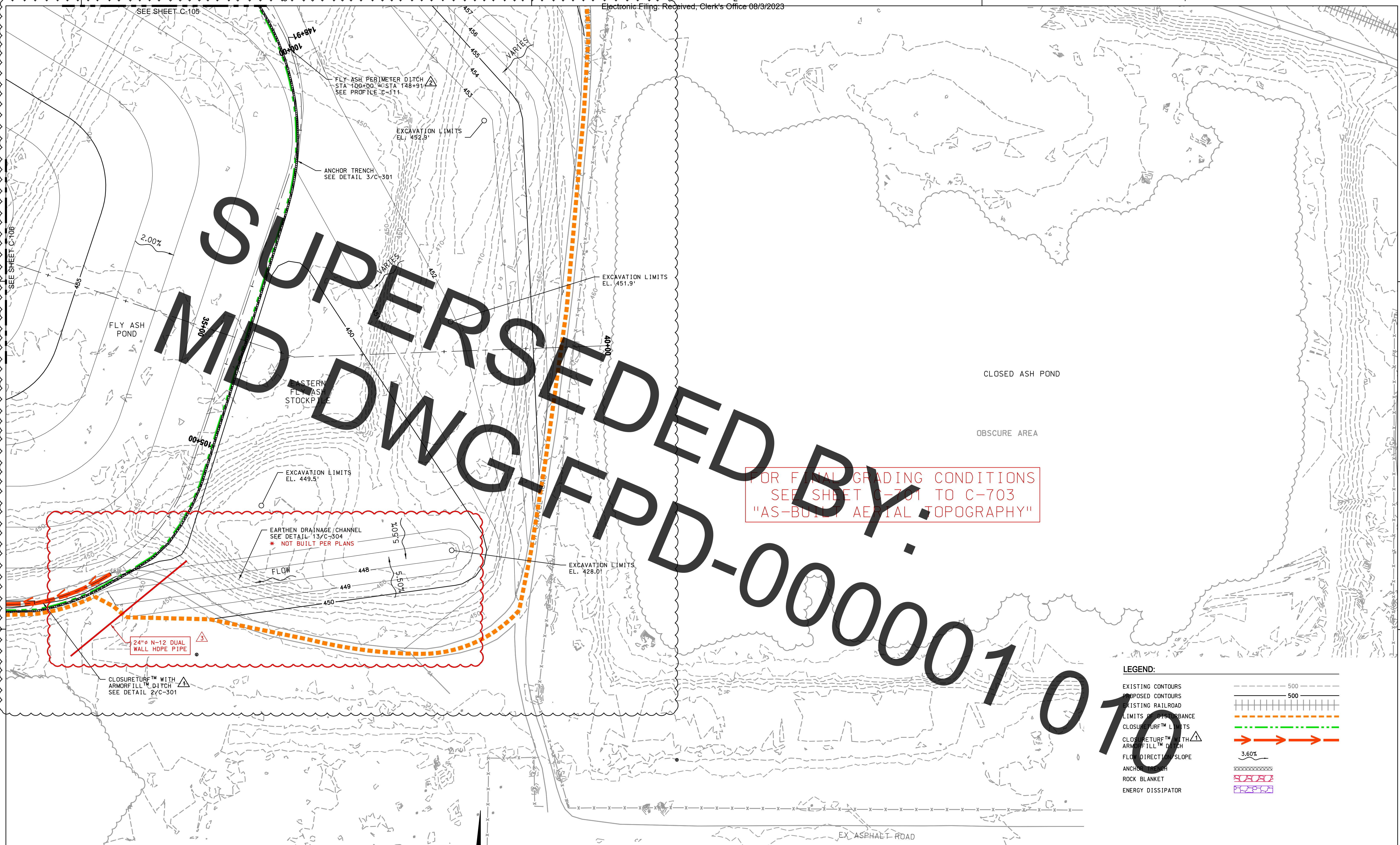
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SEE SHEET C-105



FOR FINAL GRADING CONDITIONS
SEE SHEET C-701 TO C-703
"AS-BUILT AERIAL TOPOGRAPHY"

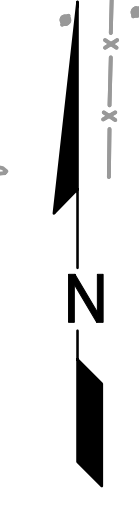
LEGEND:

- EXISTING CONTOURS
- PROPOSED CONTOURS
- EXISTING RAILROAD
- LIMITS OF DISTURBANCE
- CLOSURETURF™ LIMITS
- CLOSURETURF™ WITH ARMORFILL™ DITCH
- FLOW DIRECTION/SLOPE
- ANCHOR TRENCH
- ROCK BLANKET
- ENERGY DISSIPATOR

- GENERAL NOTES:
1. EXISTING CONTOURS ARE SHOWN AT 2' INTERVALS. EXISTING CONTOURS WERE CREATED BY AERVIEW BY USING ORTHOPHOTOS. PHOTOGRAPHY WAS FLOWN ON 10/12/2015.
 2. CONTRACTOR TO FIELD LOCATE UNDERGROUND UTILITIES & GAS LINES PRIOR TO EXCAVATING.



NOTE: 1" = 50' ON 24x36
1" = 100' ON 12x18



AS-BUILTS

THE UNDERGROUND UTILITIES SHOWN HEREIN WERE PLOTTED FROM AVAILABLE INFORMATION AND DO NOT NECESSARILY REFLECT THE ACTUAL EXISTENCE, NONEXISTENCE, SIZE, TYPE, NUMBER, OR LOCATION OF THESE OR OTHER UTILITIES. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACTUAL LOCATION OF ALL UNDERGROUND UTILITIES, SHOWN OR NOT SHOWN, AND SHALL LOCATE THE UTILITIES IN THE FIELD PRIOR TO ANY GRADING, EXCAVATION, OR CONSTRUCTION IMPROVEMENTS.

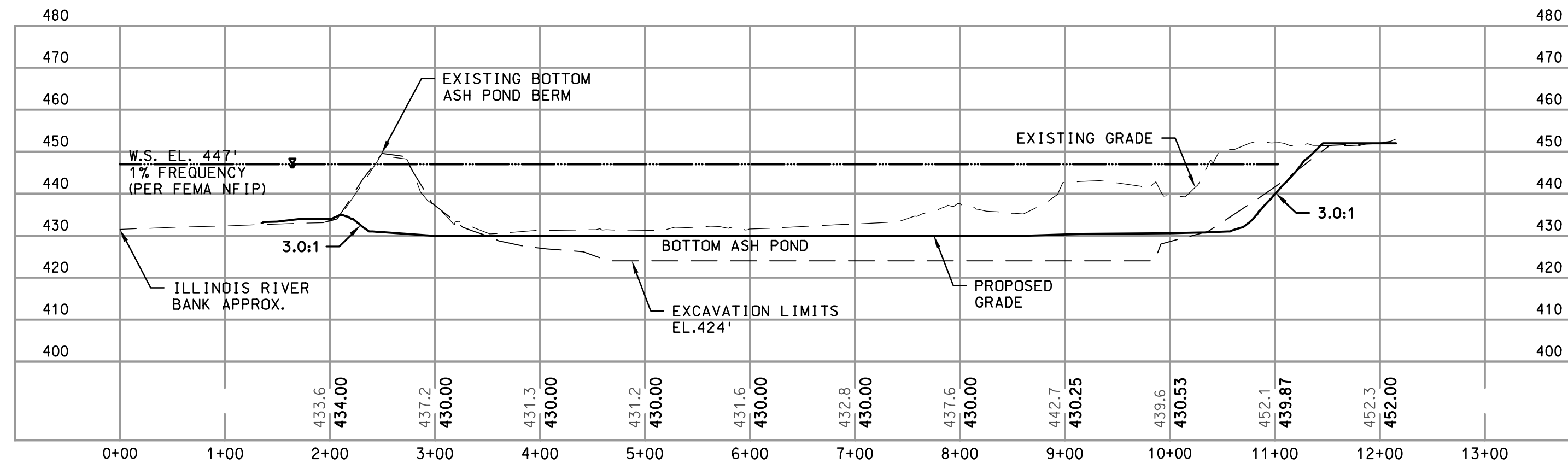
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1	15093	12/20/17	MMV	SGH	MW
0	15093	8/12/16	MMV	MWB	MW

MEDINA VALLEY COGEN, LLC
ASH POND CLOSURE
AS-BUILT PLANS
SITE PLAN

MEREDOSIA POWER STATION

C-107
REV 3





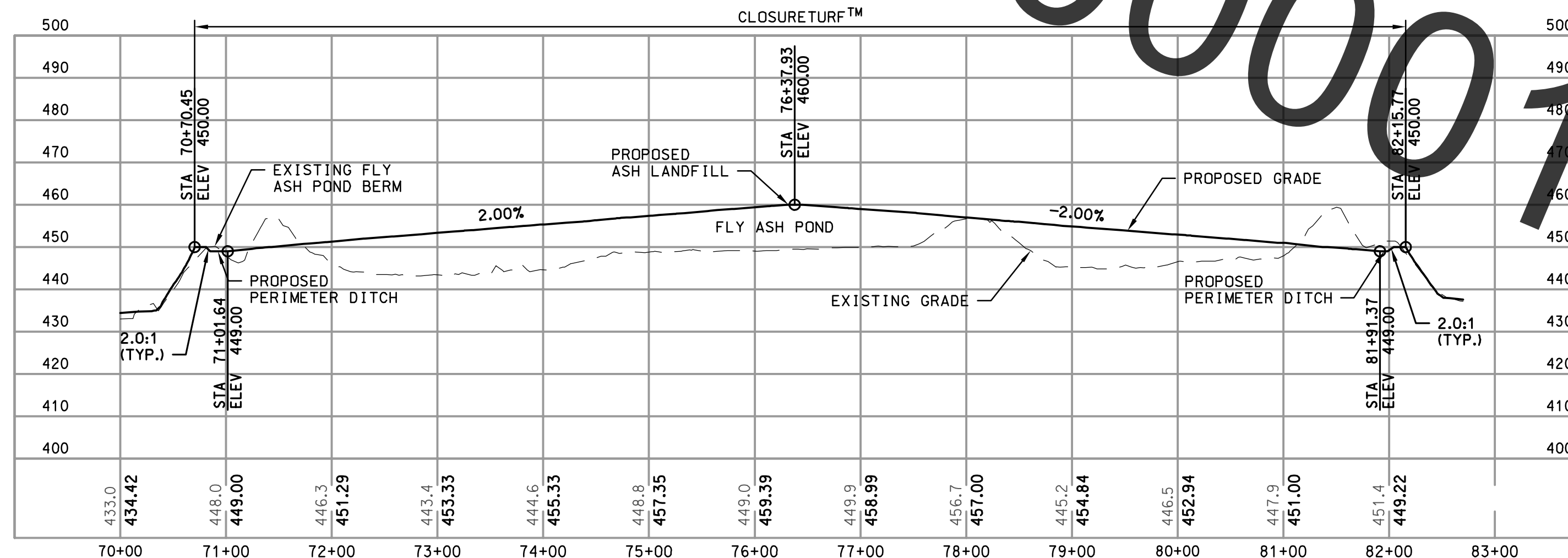
3 BOTTOM ASH POND (WEST - EAST) PROFILE
 SCALE: 1" = 100' HOR., 1" = 25' VER.
 NOTE: 1" = 100' ON 24x36
 1" = 200' ON 12x18

FOR FINAL GRADING CONDITIONS
 SEE SHEET C-701 TO C-703
 "AS-BUILT AERIAL TOPOGRAPHY"



3 **2** FLY ASH POND (WEST - EAST) PROFILE
 SCALE: 1" = 100' HOR., 1" = 25' VER.
 NOTE: 1" = 100' ON 24x36
 1" = 200' ON 12x18

FOR FINAL GRADING
 SEE SHEET C-703



3 **2** FLY ASH POND (SOUTH - NORTH) PROFILE
 SCALE: 1" = 100' HOR., 1" = 25' VER.
 NOTE: 1" = 100' ON 24x36
 1" = 200' ON 12x18

AS-BUILTS

SUPERSEDED BY: MD-DWG-FPD-000001

THE UNDERGROUND UTILITIES SHOWN HEREIN WERE PLOTTED FROM AVAILABLE INFORMATION AND DO NOT NECESSARILY REFLECT THE ACTUAL EXISTENCE, NONEXISTENCE, SIZE, TYPE, NUMBER, OR LOCATION OF THESE OR OTHER UTILITIES. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACTUAL LOCATION OF ALL UNDERGROUND UTILITIES, SHOWN OR NOT SHOWN, AND SHALL LOCATE THE UTILITIES IN THE FIELD PRIOR TO ANY GRADING, EXCAVATION, OR CONSTRUCTION IMPROVEMENTS.

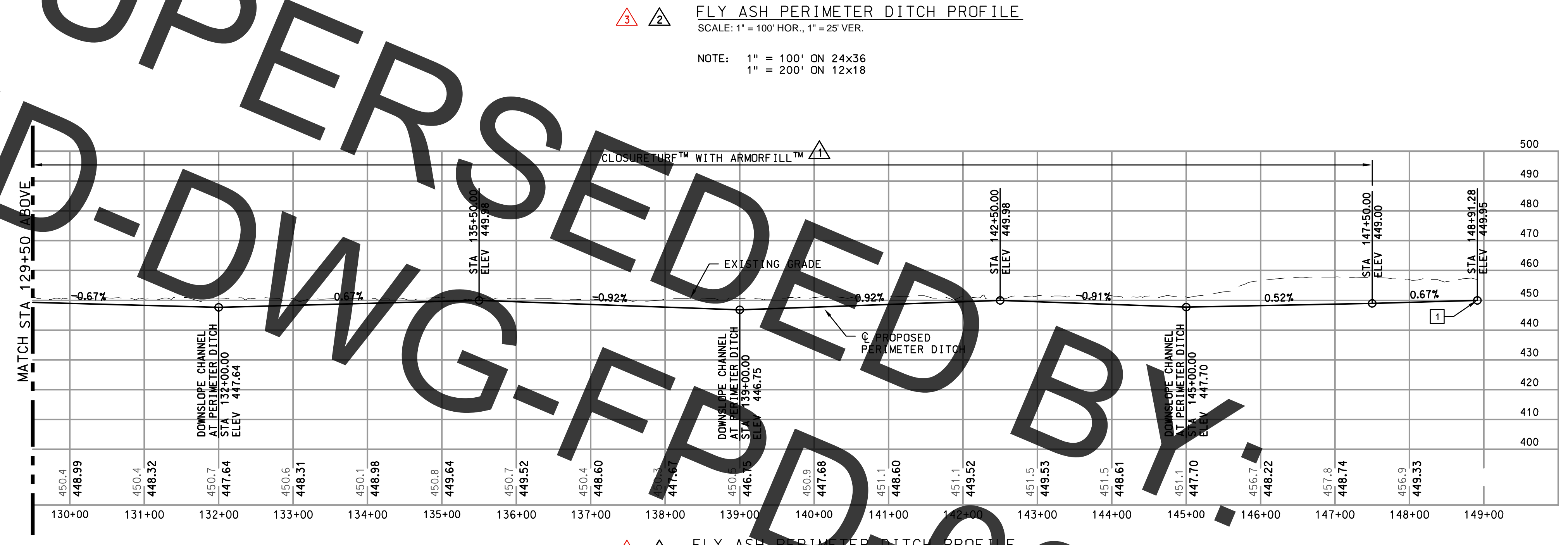
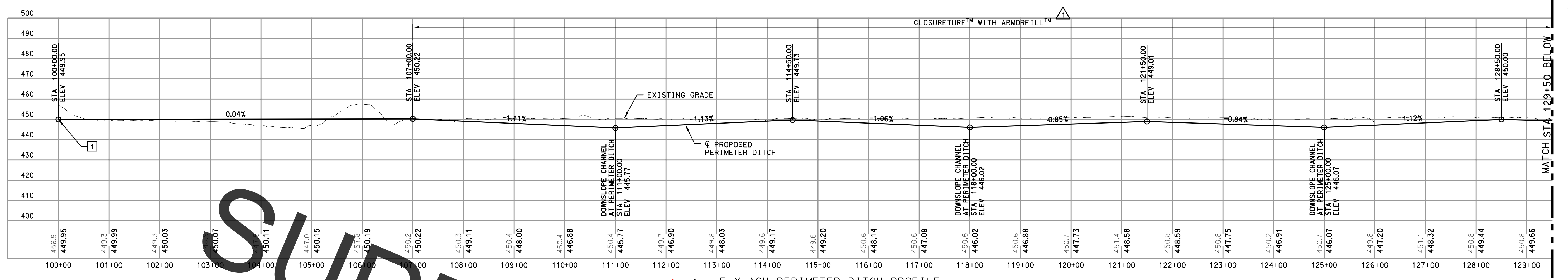
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MEDINA VALLEY COGEN, LLC
 AS-BUILT PLANS
 SITE PROFILE

MERDOSIA POWER STATION

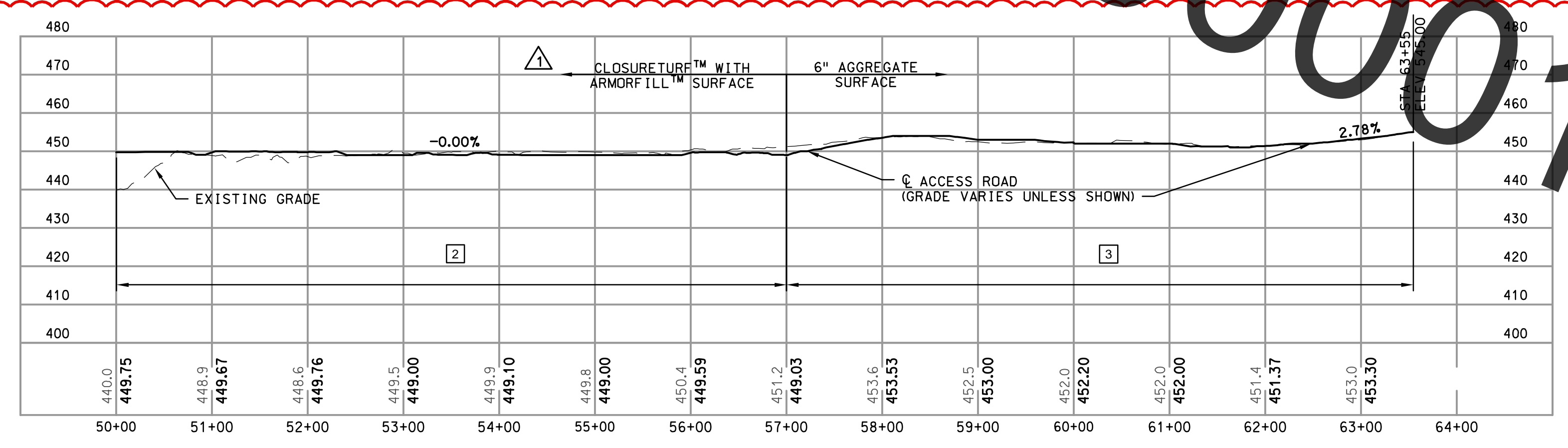
C-110





KEYED NOTES:

- 1 STA. 100+00 = STA. 148+91.21
- 2 CONTRACTOR TO EXCAVATE TOP 36" OF BOTTOM ASH BERM AND DISCARD WASTE MATERIAL TO FLY ASH POND. CONTRACTOR SHALL THEN PLACE CLOSURETURF OVER ASH BERM, THEN PLACE 12" SOIL UNDERNEATH 24" AGGREGATE FROM STA 50+00 TO 57+00. (SEE DETAIL 6/C-303)
- 3 CONTRACTOR TO EXCAVATE TOP 18" OF ACCESS ROAD BETWEEN STA 57+00 TO STA 63+55 AND DISCARD WASTE MATERIAL TO FLY ASH POND. CONTRACTOR SHALL THEN PLACE 6" AGGREGATE OVER 12" COMPACTED SUBGRADE. (SEE DETAIL 10/C-304)



FOR FINAL GRADING CONDITIONS SEE SHEET C-701 TO C-703 AS-BUILT AERIAL TOPOGRAPHY"

*****AS-BUILTS*****

THE UNDERGROUND UTILITIES SHOWN HEREIN WERE PLOTTED FROM AVAILABLE INFORMATION AND DO NOT NECESSARILY REFLECT THE ACTUAL EXISTENCE, NONEXISTENCE, SIZE, TYPE, NUMBER, OR LOCATION OF THESE OR OTHER UTILITIES. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACTUAL LOCATION OF ALL UNDERGROUND UTILITIES, SHOWN OR NOT SHOWN, AND SHALL LOCATE THE UTILITIES IN THE FIELD PRIOR TO ANY GRADING, EXCAVATION, OR CONSTRUCTION IMPROVEMENTS.

REV	PROJ ID	DATE	DRWN	RVW	APPD
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2	15093	7/5/18	MMV	SGH	MW
1	15093	12/20/17	MMV	SGH	MW
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MEDINA VALLEY COGEN, LLC
ASH POND CLOSURE
AS-BUILT PLANS
PROFILES

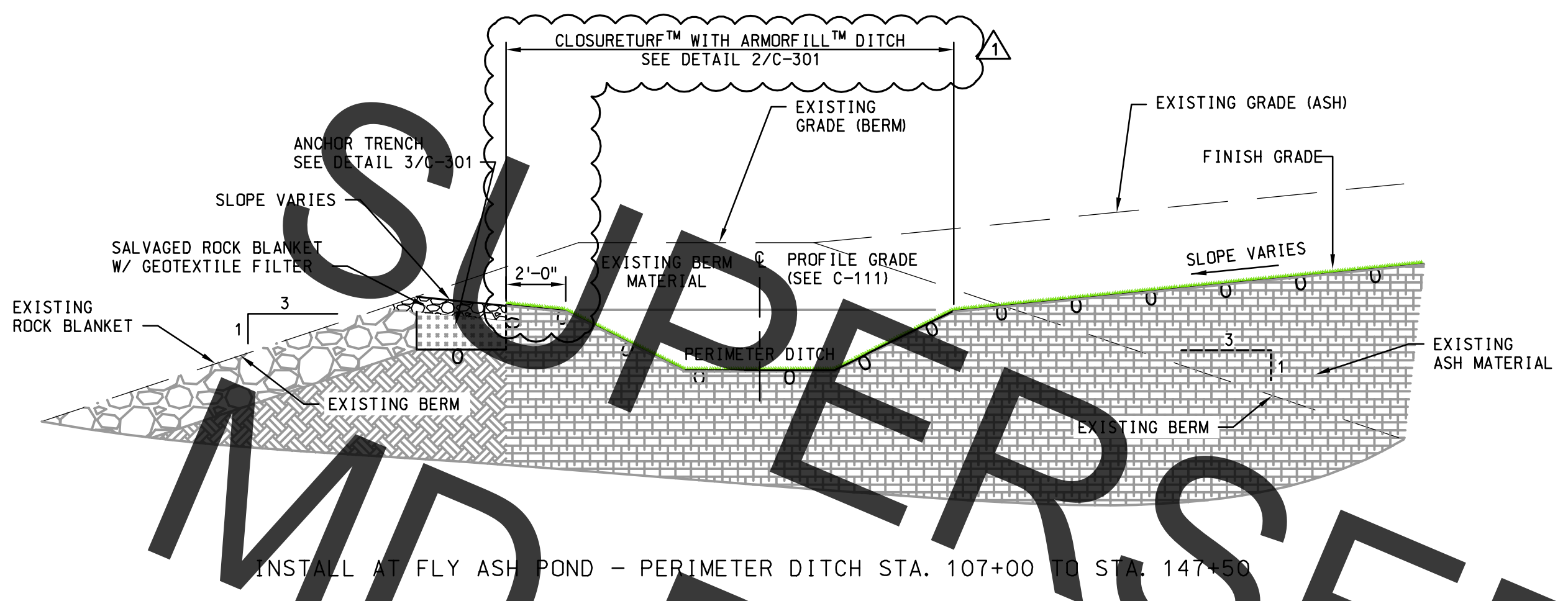
MEREDOSIA POWER STATION

Ameren MISSOURI

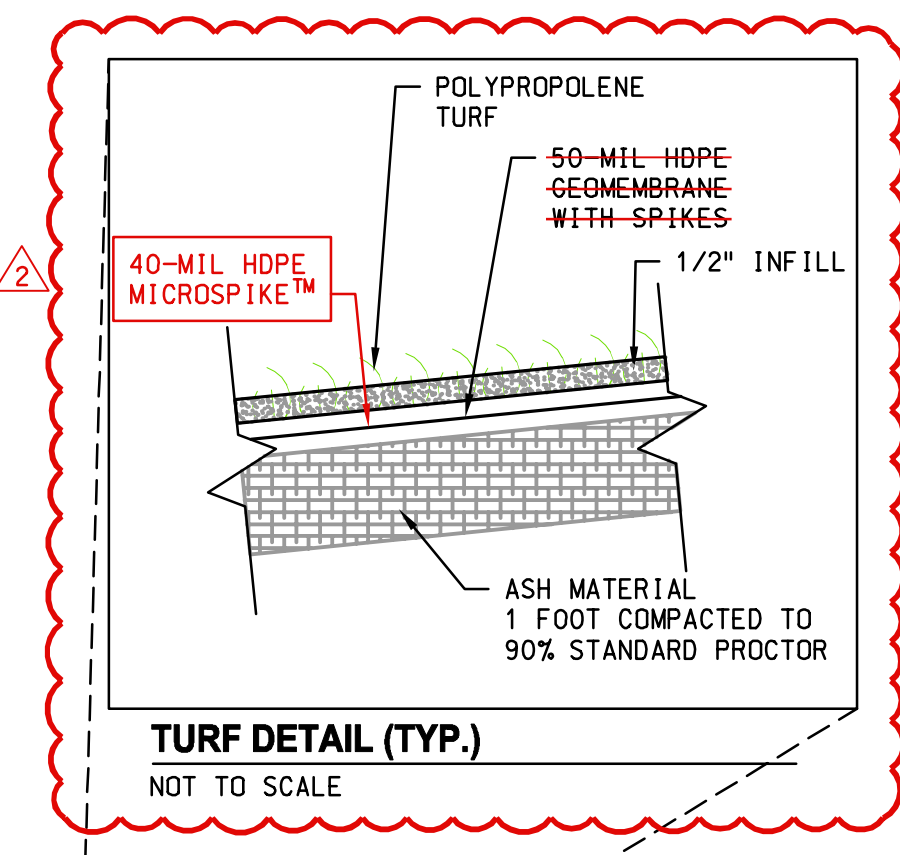
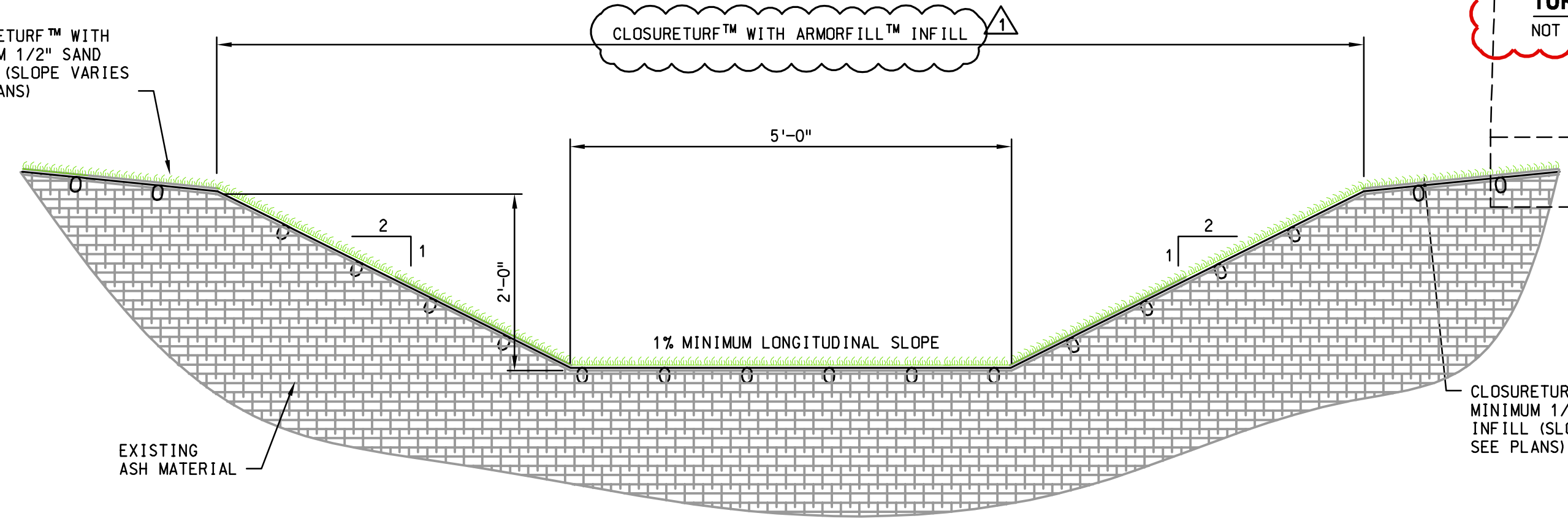
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3

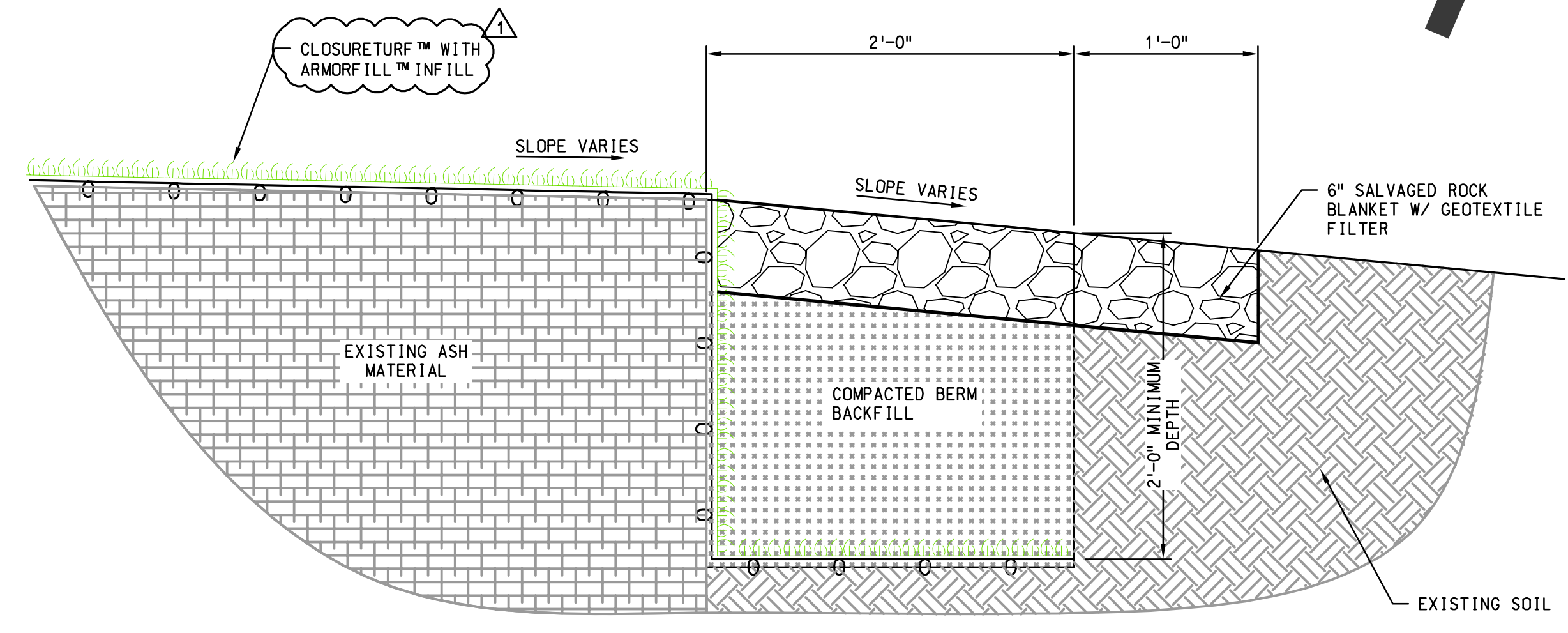




INSTALL AT FLY ASH POND - PERIMETER DITCH STA. 107+00 TO STA. 147+50



SUPERSEDED BY:
 MD-DWG-FPD-000001 013



NOTE: SHALLOW SIDE ANCHOR TRENCH TO BE MINIMUM 2'-0\"/>

ANCHOR TRENCH (TYP.) NOT TO SCALE

AS-BUILTS

THE UNDERGROUND UTILITIES SHOWN HEREIN WERE PLOTTED FROM AVAILABLE INFORMATION AND DO NOT NECESSARILY REFLECT THE ACTUAL EXISTENCE, NONEXISTENCE, SIZE, TYPE, NUMBER, OR LOCATION OF THESE OR OTHER UTILITIES. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACTUAL LOCATION OF ALL UNDERGROUND UTILITIES, SHOWN OR NOT SHOWN, AND SHALL LOCATE THE UTILITIES IN THE FIELD PRIOR TO ANY GRADING, EXCAVATION, OR CONSTRUCTION IMPROVEMENTS.

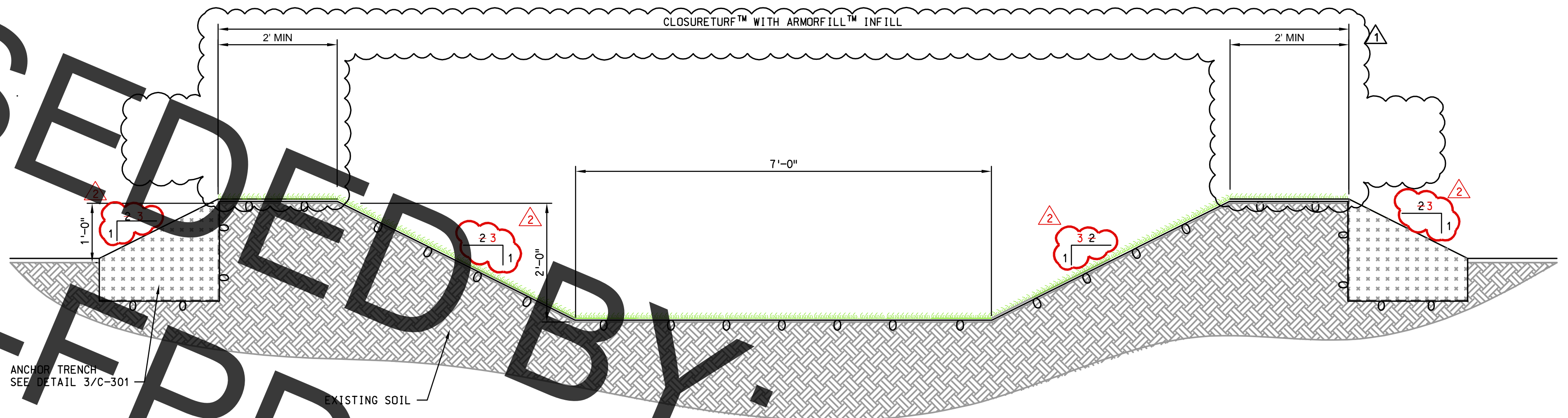
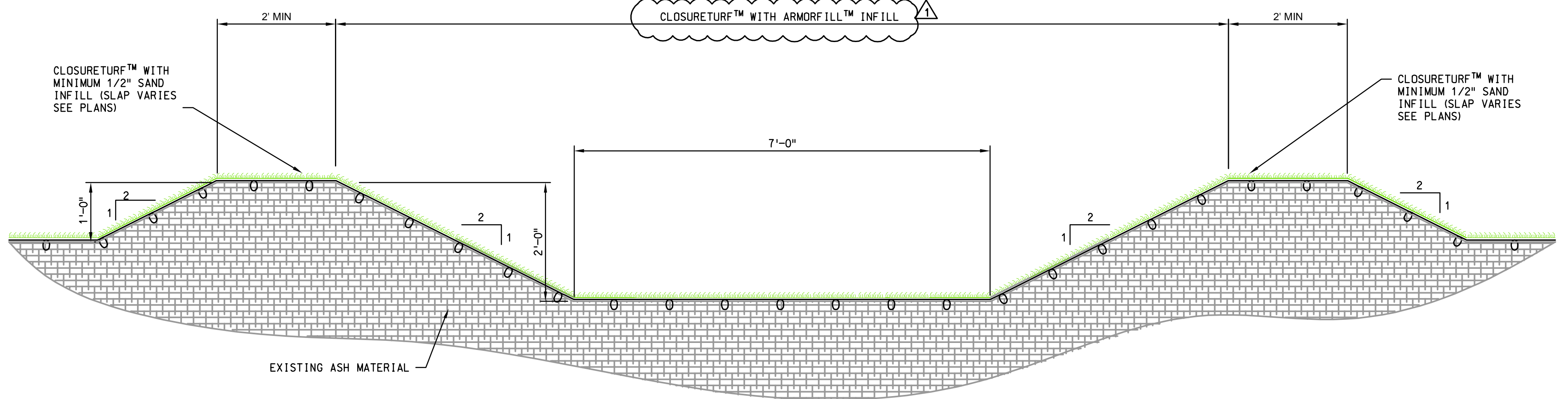
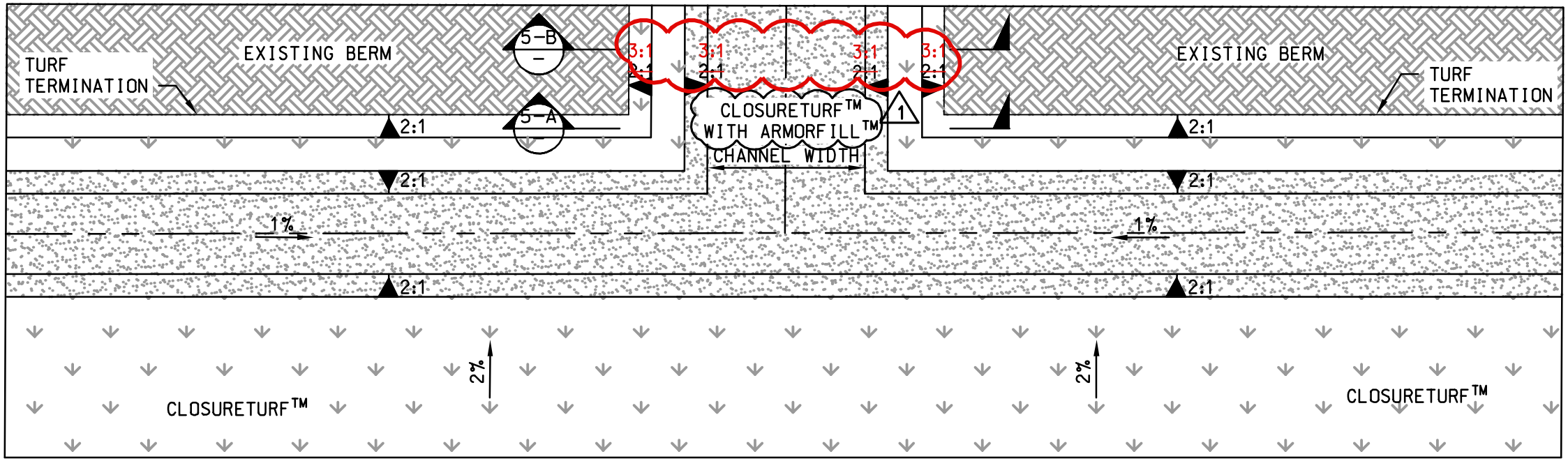
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0	15093	8/12/16	MMV	MWB	MW

MEDINA VALLEY COGEN, LLC			C-301	2
ASH POND CLOSURE				
AS-BUILT PLANS				
DETAILS		MEREDOSIA POWER STATION		
FOR CONSTRUCTION				
SUBMITTAL TO 1-EPA				

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PLOT SCALE FACTOR 1





SUPERSEDED BY.
MD-DWG-FPD-000001 014

AS-BUILTS

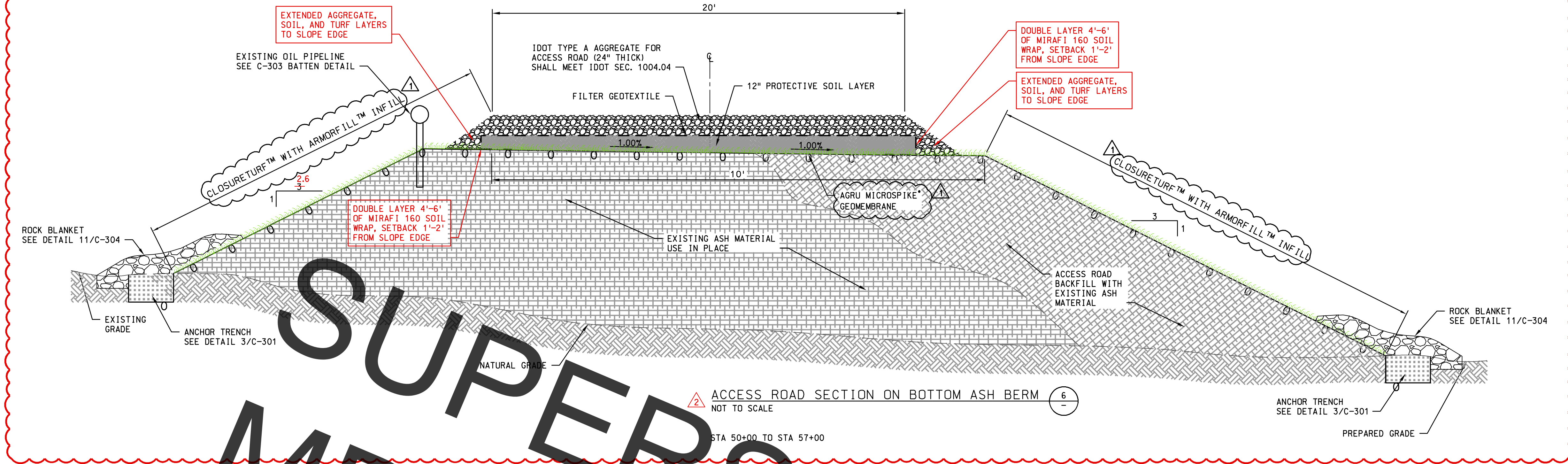
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REV	PROJ ID	DATE	DRWN	RVW	APPD
2	15093	3/8/19	HWB	MMV	MW
1	15093	12/20/17	MMV	SGH	MW
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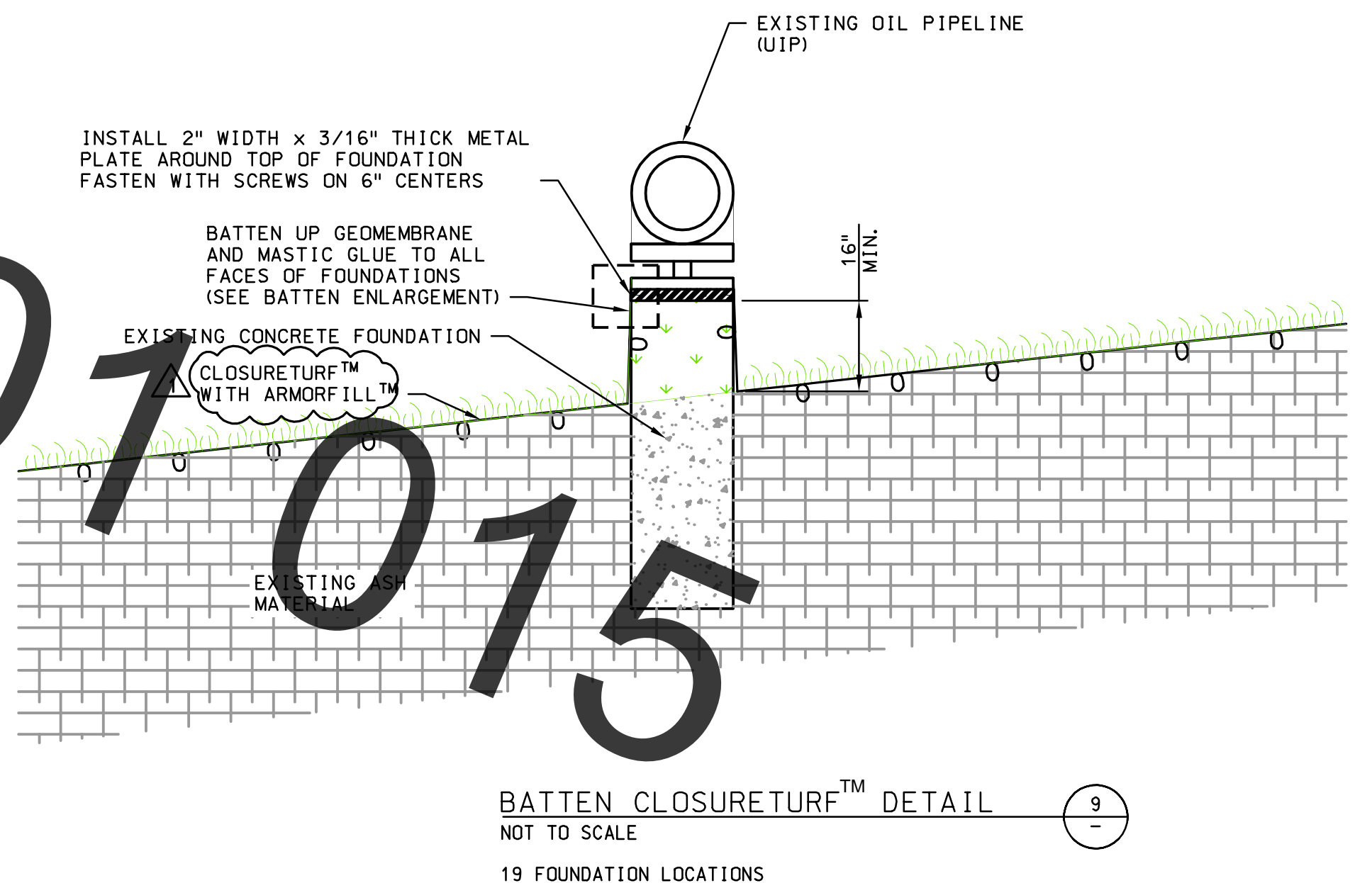
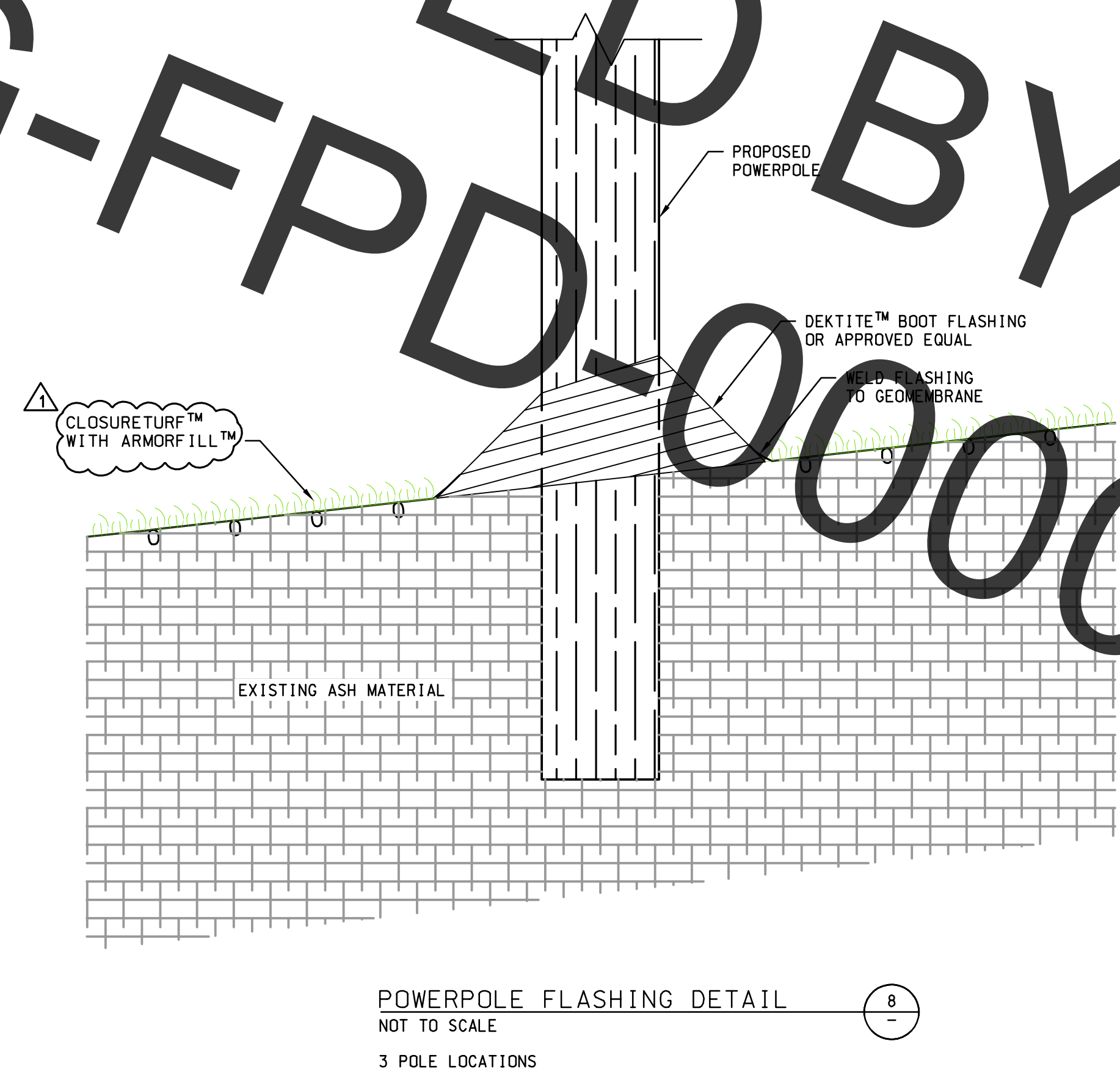
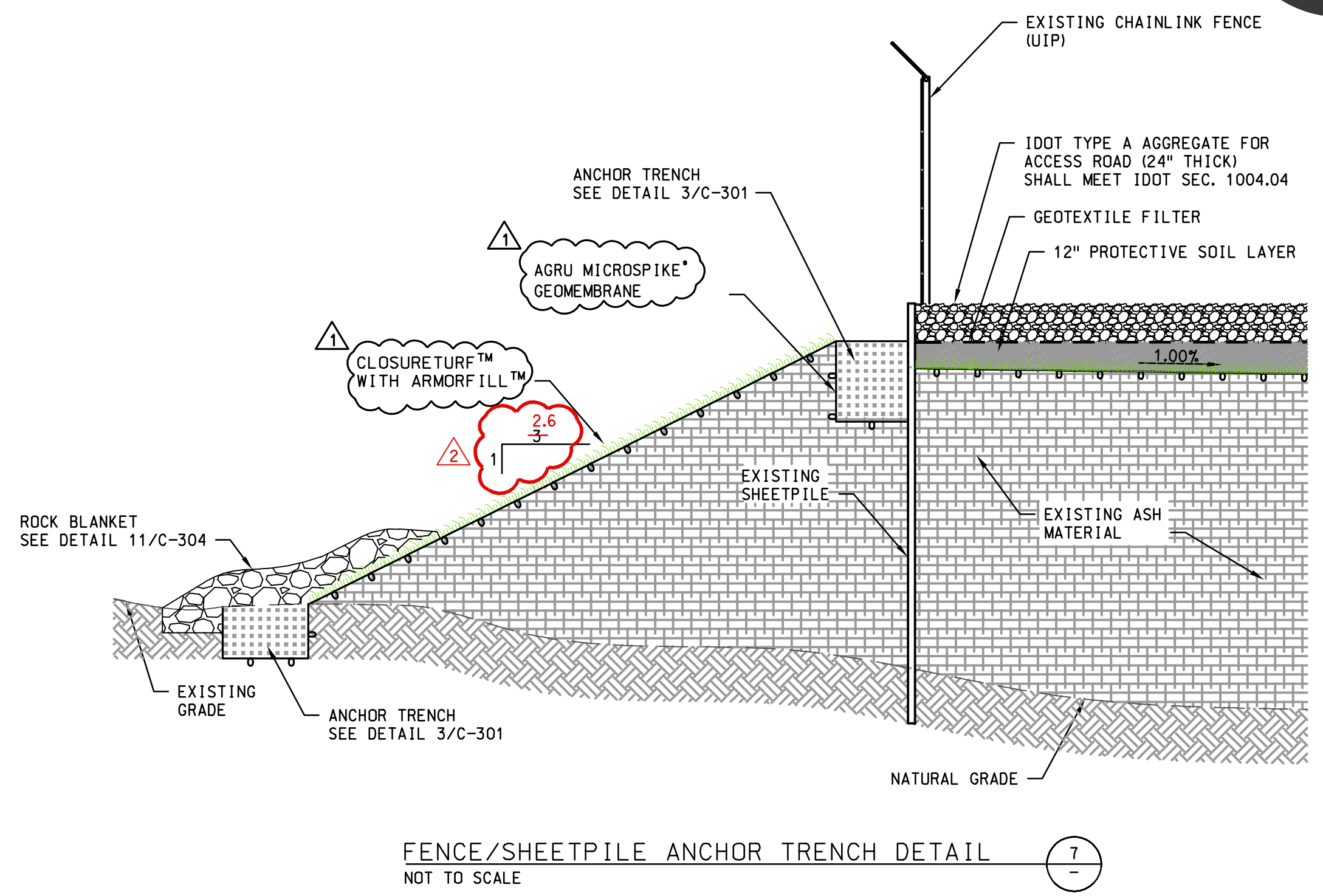
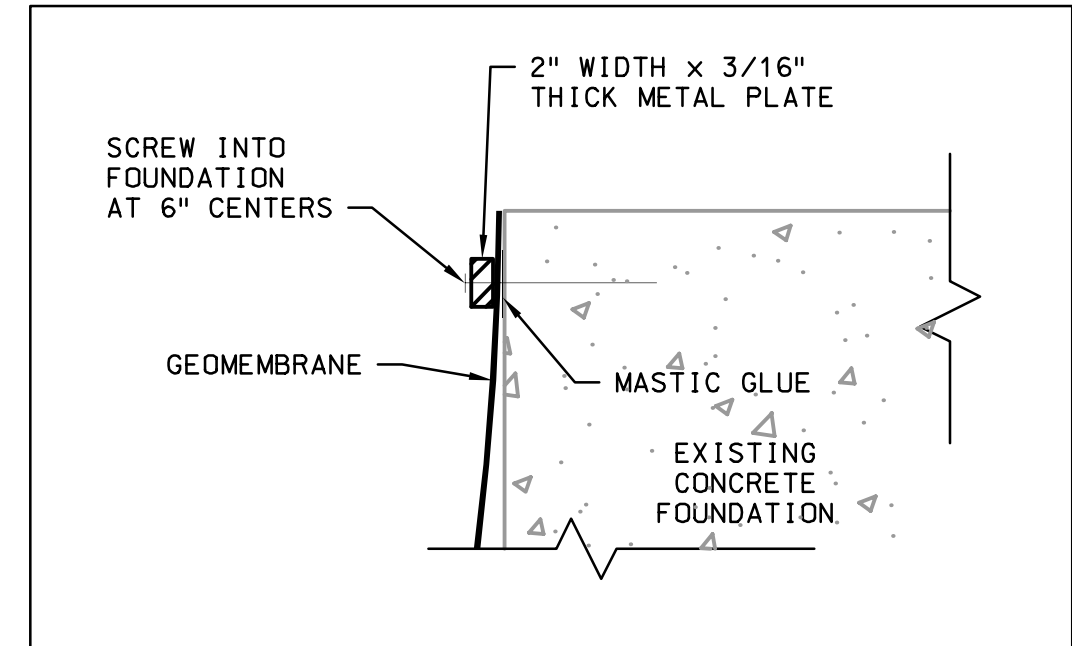
MEDINA VALLEY COGEN, LLC		AMEREN MISSOURI	C-302	REV 2
ASH POND CLOSURE				
GENERAL PLANS		MEREDOSIA POWER STATION		
DETAILS				



PLOT SCALE FACTOR 1



**SUPERSEDED BY:
MD-DWG-FPD-000001-015**



*****AS-BUILTS*****

REV	PROJ ID	DATE	DRWN	RVM	APPD
2	15093	3/8/19	HWB	MMV	MM
1	15093	12/20/17	MMV	SGH	MM
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AS-BUILT CONDITION
FOR CONSTRUCTION
SUBMITTAL TO I-EPA

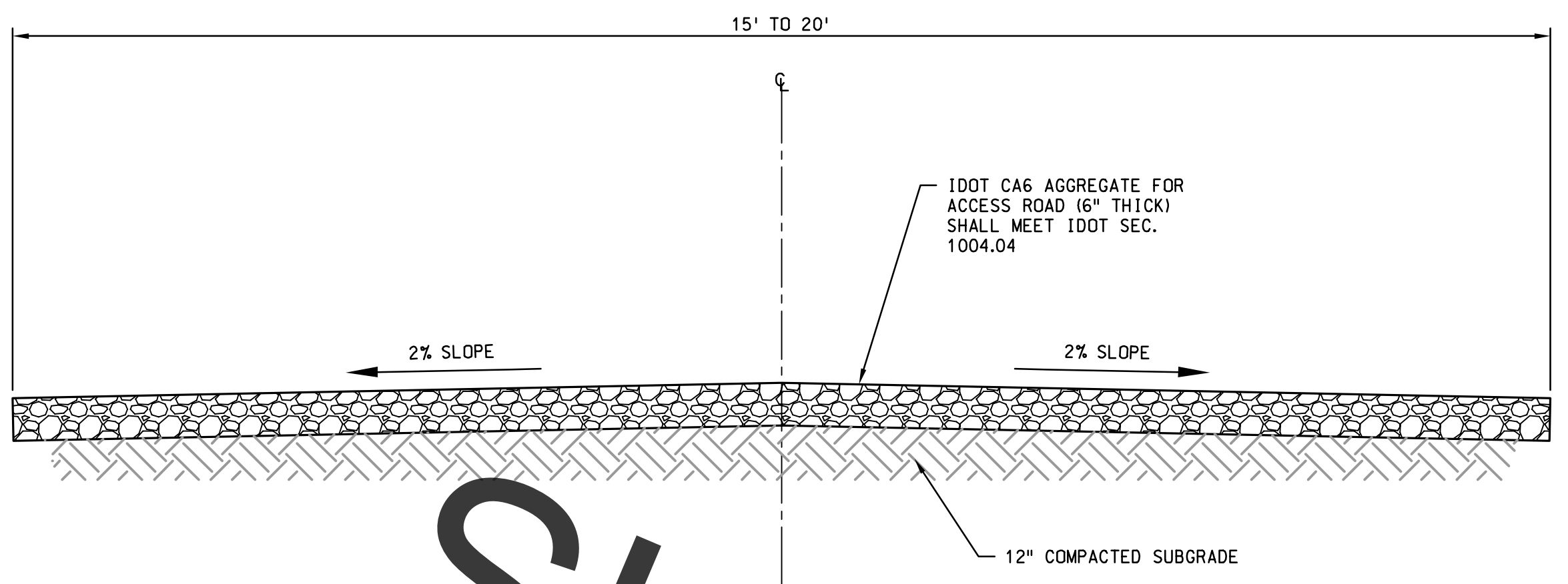
MEDINA VALLEY COGEN, LLC
ASH POND CLOSURE
GENERAL PLANS
DETAILS
MEREDOSIA POWER STATION
C-303
2

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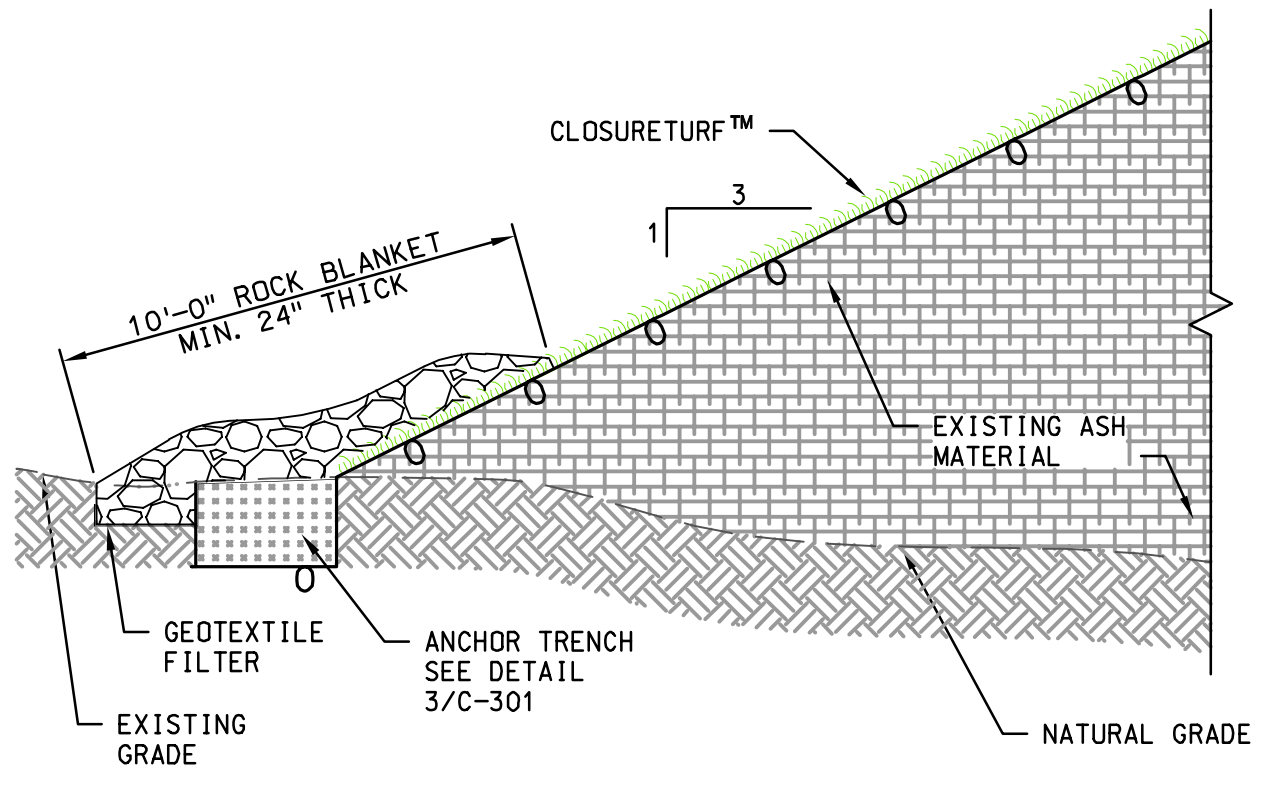
PLOT SCALE FACTOR 1

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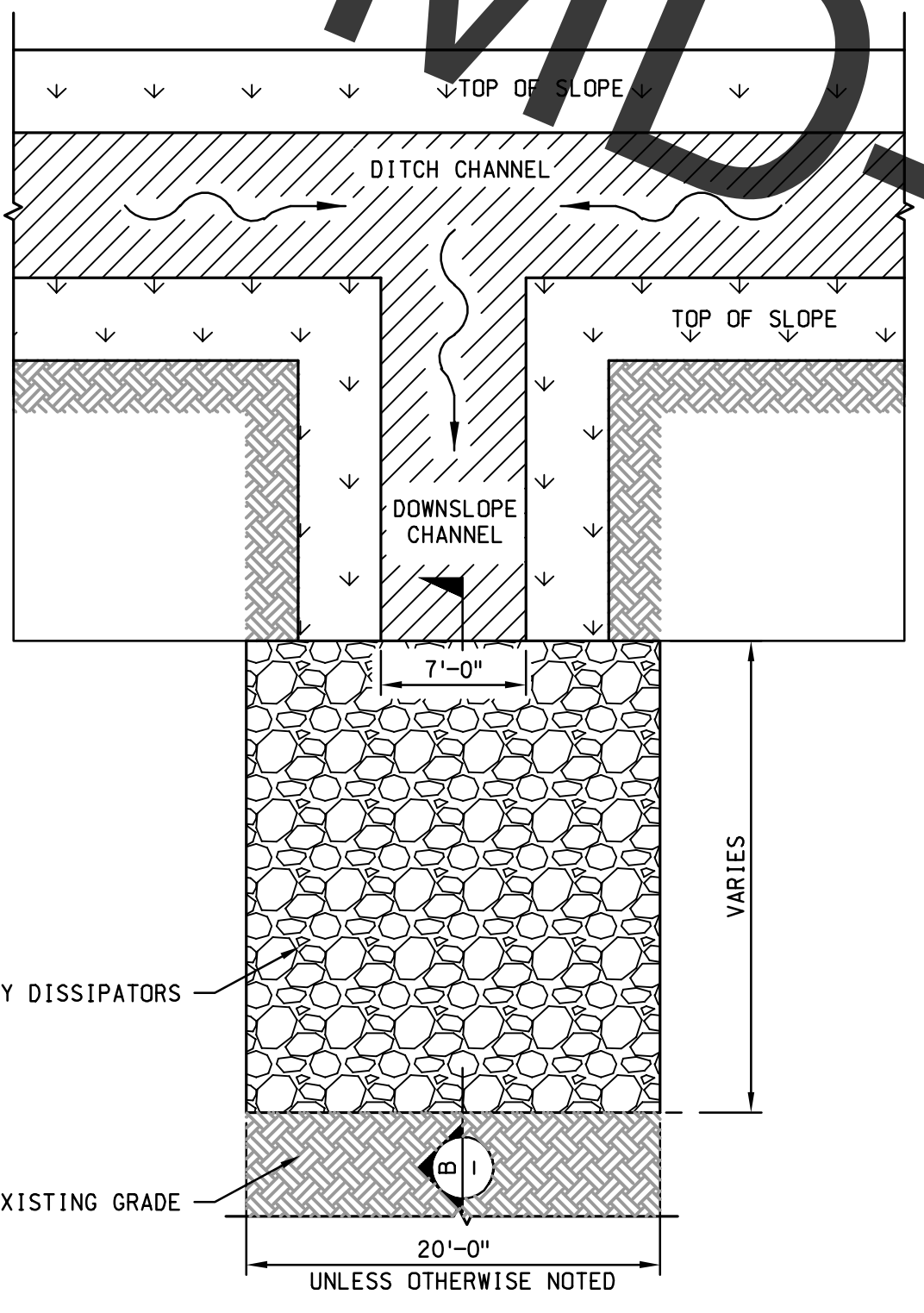
NOTE: 10% MAX. LONGITUDINAL SLOPE. SEE PAVEMENT DETAIL FOR AGGREGATE.

TYPICAL SECTION - GRAVEL ACCESS ROAD (10)
NOT TO SCALE
STA. 57+00 TO STA. 63+55
SEE SHEET C-111 FOR ACCESS ROAD PROFILE

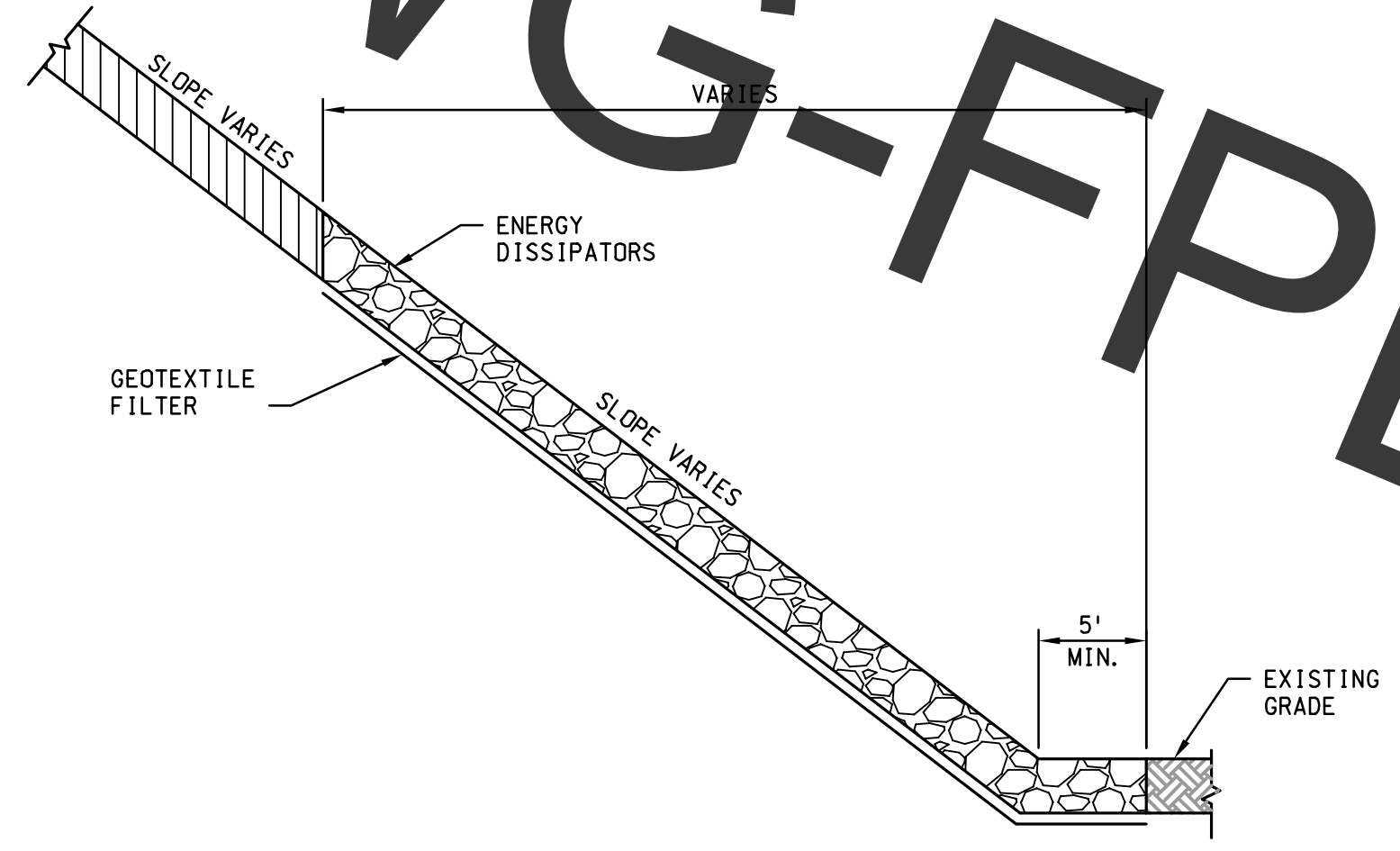


ROCK BLANKET DETAIL (11)
NOT TO SCALE

NOTE: USE ALONG ACCESS ROAD TOE OF SLOPE.
SPECIFICATION:
ROCK BLANKET
IDOT RR-6
DEPTH = 2'
ENGINEER TO VISUALLY APPROVE ROCK SIZES.



PLAN

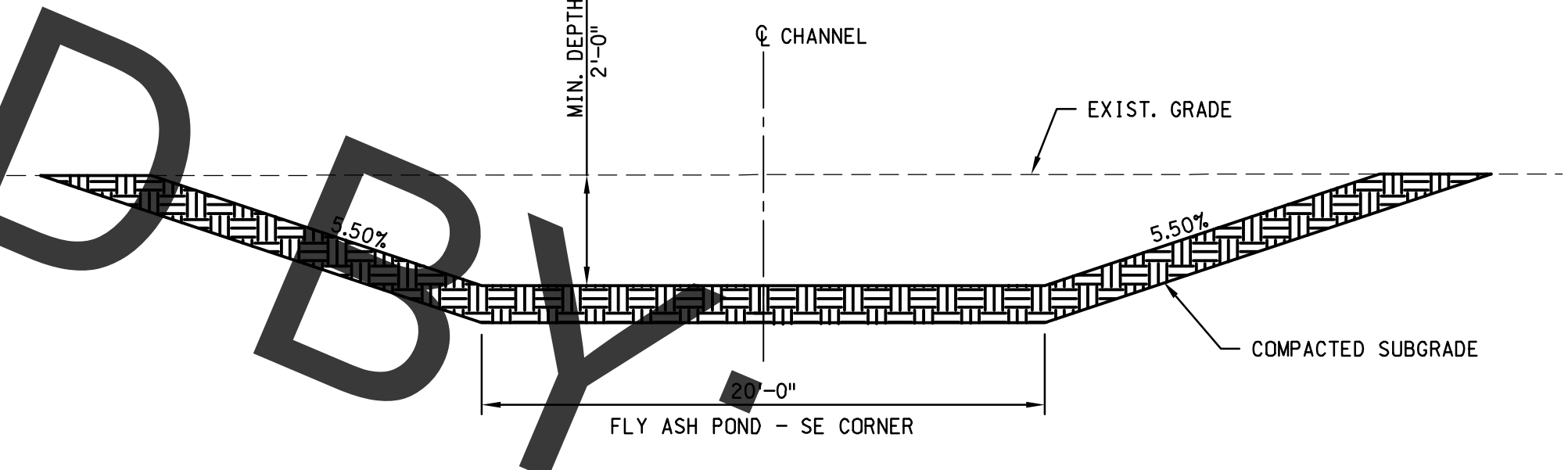


PROFILE (12)

ENERGY DISSIPATOR @ DITCH DOWNSLOPE CHANNEL (TYP.) (12)
NOT TO SCALE



NOTE:
ENERGY DISSIPATORS AT SPECIFIED LOCATIONS SHALL HAVE THE FOLLOWING ROCK SIZES AND DEPTHS OF ROCK:
ENERGY DISSIPATOR
SPECIFICATION:
CRUSHED STONE
IDOT RR-4
DEPTH = 2'
D50 = 15"
6\"/>



EARTHEN DRAINAGE CHANNEL DETAIL (13)
NOT TO SCALE

NOTE: MAINTAIN 1 FOOT OF FREEBOARD & 0.50% MIN. LONGITUDINAL SLOPE

*****AS-BUILTS*****

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MEDINA VALLEY COGEN, LLC
ASH POND CLOSURE
GENERAL PLANS
DETAILS

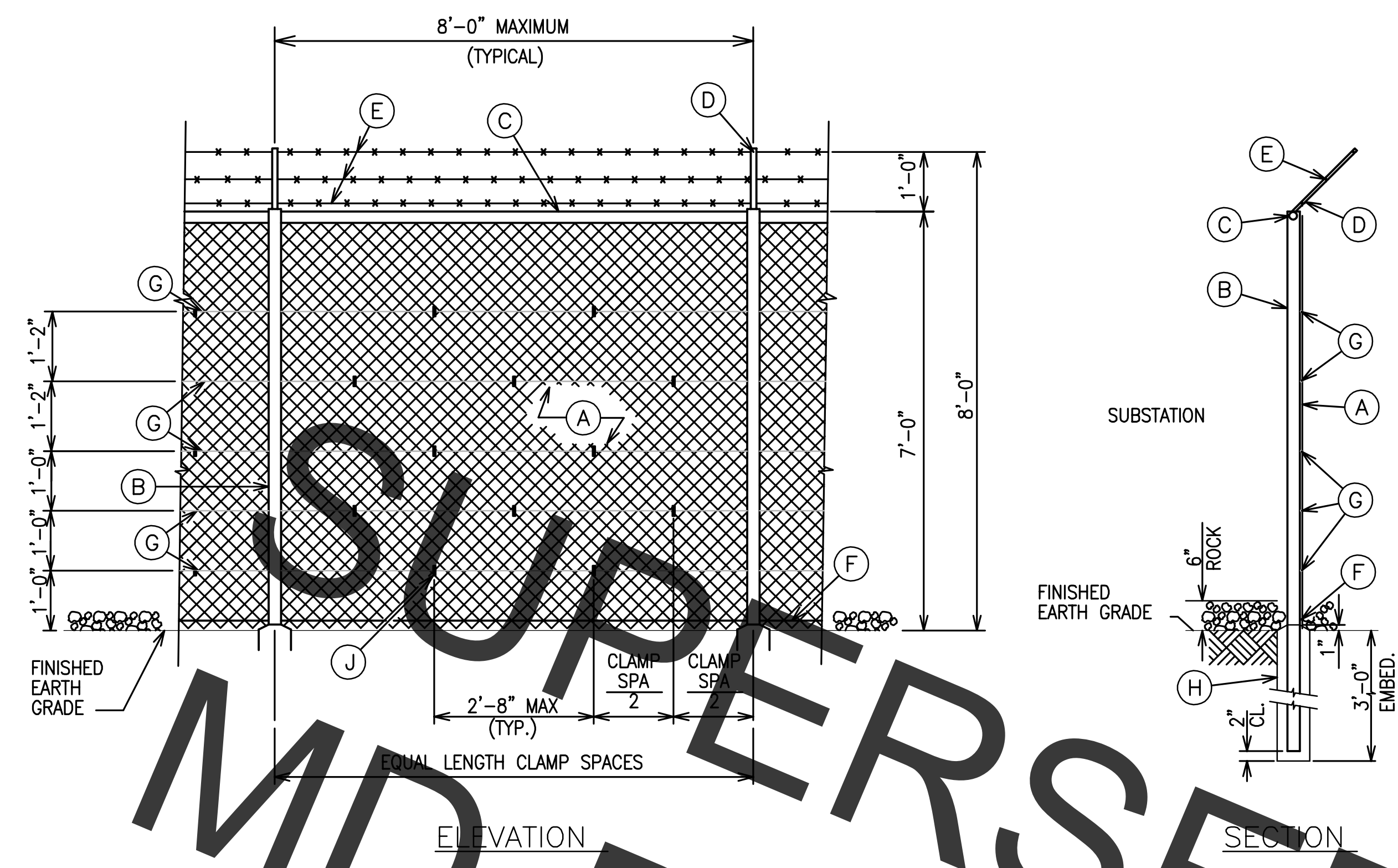
MEREDOSIA POWER STATION

Ameren MISSOURI
C-304
REV 2

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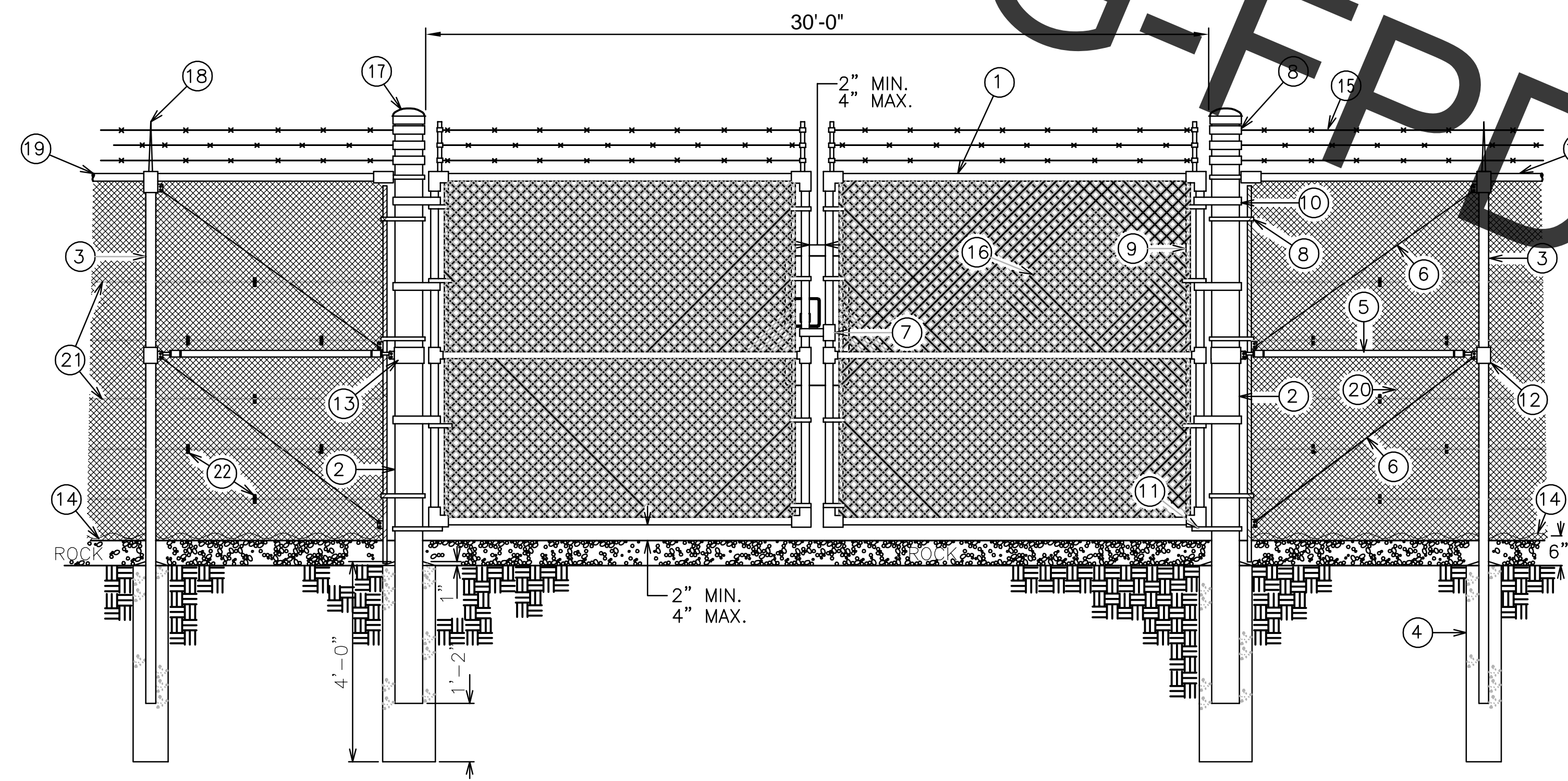
PLOT SCALE FACTOR 1





- MATERIAL LIST - NEW FENCE**
- (A) CHAINLINK FABRIC - #9 GAUGE STEEL WIRE, WOVEN 1" MESH SIZE FENCE, W/ A CLASS II ALUM. COATING.
 - (B) LINE POST - 23/8" O.D. ALLIED SS-40 OR WHEATLAND WT-40 GALV. STEEL PIPE
TERMINAL POST - 4" O.D ALLIED SS-40 OR WHEATLAND WT-40 GALV. STEEL PIPE
DRIVE GATE POST - 65/8" O.D. ASTM A53 GALV. STEEL PIPE
 - (C) TOP RAIL - 15/8" O.D. ALLIED SS-40 OR WHEATLAND WT-40 GALV. STEEL PIPE
 - (D) EXTENSION ARM - ARRANGED TO CARRY 3 STRANDS OF BARBED WIRE, 45' TO OUTSIDE
 - (E) BARBED WIRE - COPPERWELD STEEL CO. "ALUMOWELD" FOUR POINT TYPE LIGHT WEIGHT
 - (F) BOTTOM TENSION WIRE - #7 GAUGE ALUMINUM COATED SPRING COIL WIRE OR CRIMPED WIRE
 - (G) SECURITY CABLE - 1/2" DIA. 6x19 GALV. WIRE ROPE CLAMPED TO INSIDE OF CHAIN LINK FABRIC
 - (H) FOOTING - LINE POST: MINIMUM 10" DIA. TERMINAL POST: MINIMUM 15" DIA. GATE POST: MINIMUM 15" DIA.
 - (J) WIRE ROPE CLAMP - 1/2" MALLEABLE GALVANIZED WIRE ROPE CLIPS WITH NUTS ON SUBSTATION SIDE OF FENCE FABRIC. BURR THREADS AFTER INSTALLATION. STAGGER SPACING AT ADJACENT CABLES AS SHOWN.
- NOTE: FENCE SHALL BE PER SPEC. NO 02821, EXCEPT AS SHOWN.

MD-DWG-FPD-000001017



- ITEM DESCRIPTION**
1. GATE ASSEMBLY PIPE FRAME, FABRIC, LATCH & FITTINGS
 2. GATE POST 65/8" O.D. PIPE
 3. LINE POST 23/8" O.D. PIPE
 4. 4500 PSI. CONCRETE
 5. BRACE RAIL (LENGTH AS REQUIRED)
 6. TRUSS ROD W/TRUSS TIGHTENER
 7. LATCH FOR GATE FRAMES
 8. BAND FOR TENSION BAR, BARBED WIRE, TRUSS ROD
 9. TENSION BARS
 10. TOP GATE HINGE
 11. BOTTOM GATE HINGE
 12. BAND W/2 ATTACHMENTS FOR BRACE RAIL & TRUSS
 13. BAND FOR BRACE 65/8" O.D. PIPE
 14. TENSION WIRE
 15. BARBED WIRE
 16. 2" FENCE FABRIC W/GRAY PLASTIC PRIVACY SLITS
 17. GATE POST CAP
 18. EXTENSION ARMS
 19. TOP RAIL
 20. 84" FENCE FABRIC - 1" MESH
 21. SECURITY CABLE - 1/2" DIA. 6x19 GALV. WIRE ROPE CLAMPED TO INSIDE OF CHAIN LINK FABRIC
 22. WIRE ROPE CLAMP - 1/2" MALLEABLE GALVANIZED WIRE ROPE CLIPS WITH NUTS ON SUBSTATION SIDE OF FENCE FABRIC.

TYPICAL VEHICLE GATE SECTION
NOT TO SCALE

AS-BUILTS

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2	15093	3/8/19	HWB	MMV	MW
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0	15093	8/12/16	MMV	MWB	MW

AS-BUILT CONDITION
FOR CONSTRUCTION
SUBMITTAL TO 1-EPA

MEDINA VALLEY COGEN, LLC ASH POND CLOSURE GENERAL PLANS DETAILS	
MEREDOSIA POWER STATION	
Ameren MISSOURI	C-305
SCALE RATIO = 1	2

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PLOT SCALE FACTOR 1



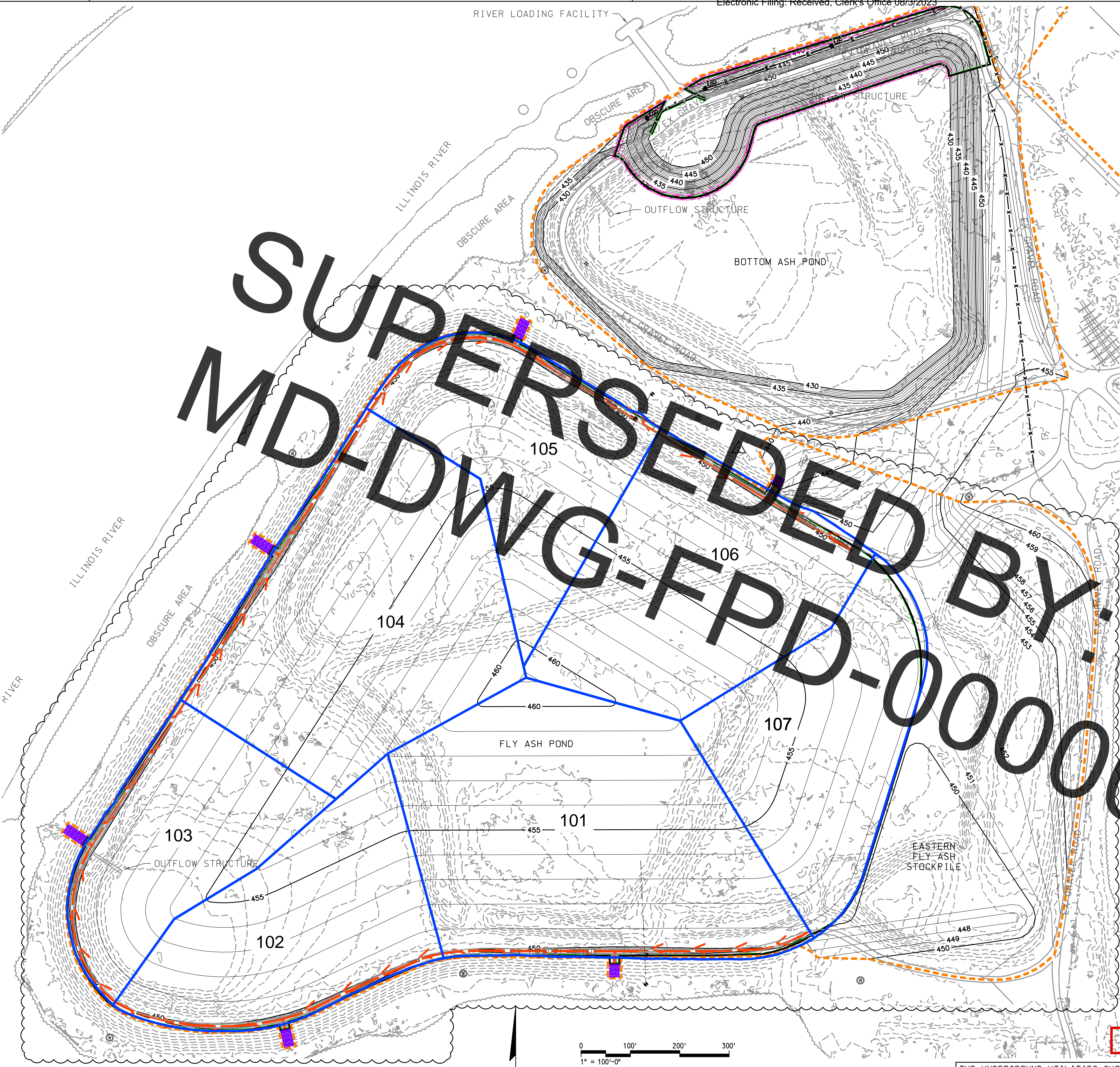
**SUPERSEDED BY
MD-DWG-FPD-000001018**

DITCH FLOW CAPACITIES				
CHANNEL	LONGITUDINAL SLOPE	DEPTH OF FLOW	VELOCITY	FLOW RATE
5' BOTTOM WIDTH 2:1 SIDE SLOPES	1%	1.00 FT	3.47 FPS	24.2 CFS
	1%	1.50 FT	4.31 FPS	51.7 CFS
	1%	2.00 FT	5.03 FPS	90.6 CFS

FOR FINAL GRADING CONDITIONS
SEE SHEET C-701 TO C-703 FOR
"AS-BUILT AERIAL TOPOGRAPHY"

LEGEND:

- EXISTING CONTOURS: --- 500 ---
- PROPOSED CONTOURS: ——— 500 ———
- EXISTING RAILROAD: [Symbol]
- LIMITS OF DISTURBANCE: [Symbol]
- CLOSURETURF™ LIMITS: [Symbol]
- CLOSURETURF™ WITH ARMORFILL™ DITCH: [Symbol]
- FLOW DIRECTION/SLOPE: 3.60%
- ANCHOR TRENCH: [Symbol]
- ROCK BLANKET: [Symbol]
- ENERGY DISSIPATOR: [Symbol]
- DRAINAGE AREA—TURF FLOWS ARE FOR 20 YR/15 MIN STORM
- DRAINAGE AREA NUMBER: 100



NOTE: 1" = 100' ON 24x36
1" = 200' ON 12x18



AS-BUILTS

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0	15093	8/12/16	MMV	MWB	MW

MEDINA VALLEY COGEN, LLC
ASH POND CLOSURE
AS-BUILT PLANS
DRAINAGE AREA MAP

MEREDOSIA POWER STATION

	C-601	REV 3
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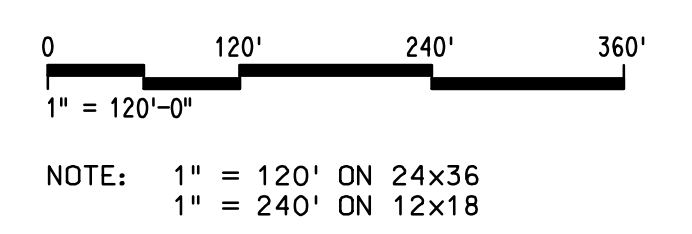
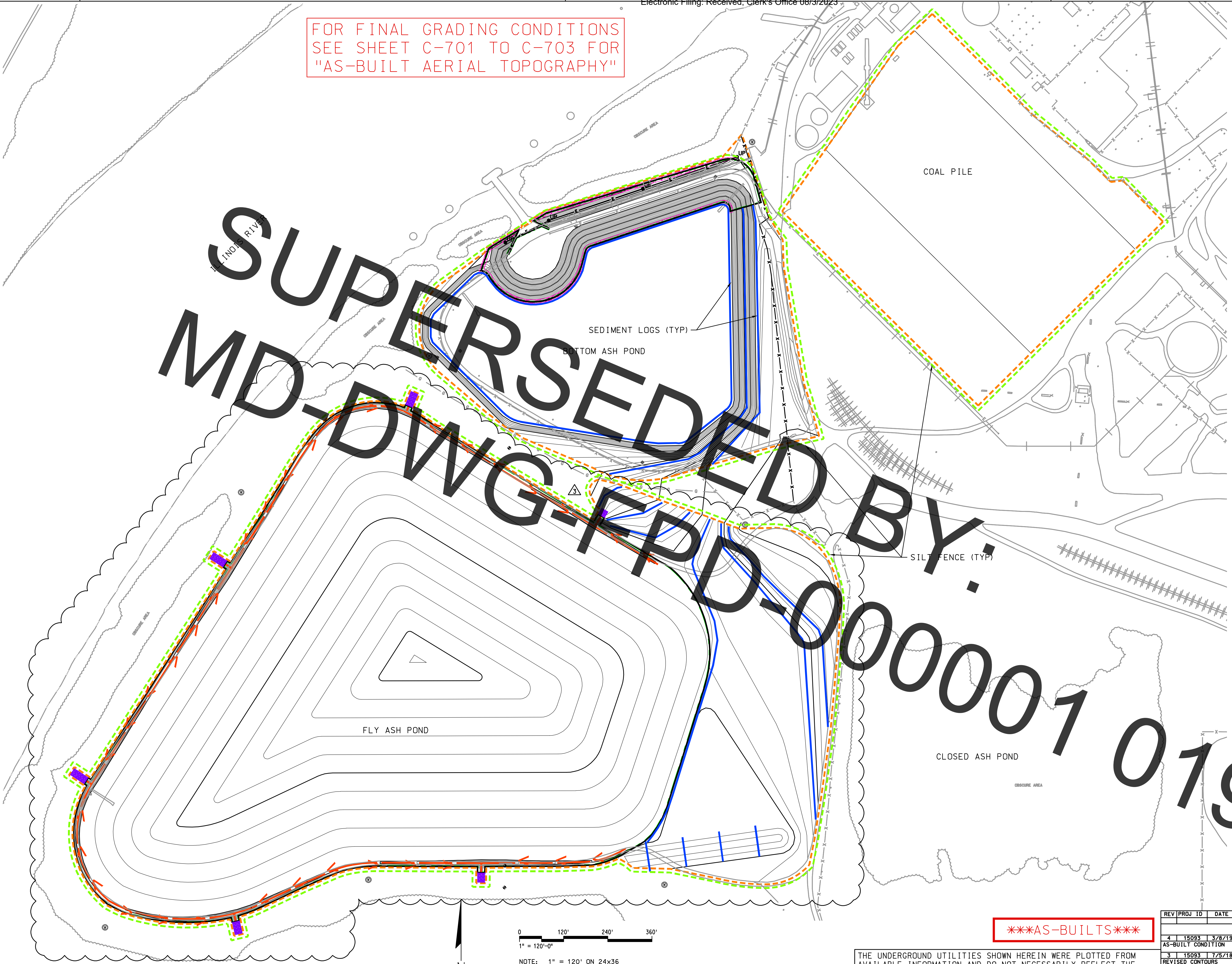
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FOR FINAL GRADING CONDITIONS
SEE SHEET C-701 TO C-703 FOR
"AS-BUILT AERIAL TOPOGRAPHY"

- LEGEND:**
- CLOSUREURF™ WITH ARMORFILL™ DITCH
 - CURLEX™ 20" SEDIMENT LOGS™ (OR APPROVED EQUAL) SEE SHEET C-603
 - SILT FENCE SEE SHEET C-603
 - ROCK BLANKET SEE SHEET C-304

**SUPERSEDED
MD-DWG-APPD BY:
D-000001 019**



*****AS-BUILTS*****

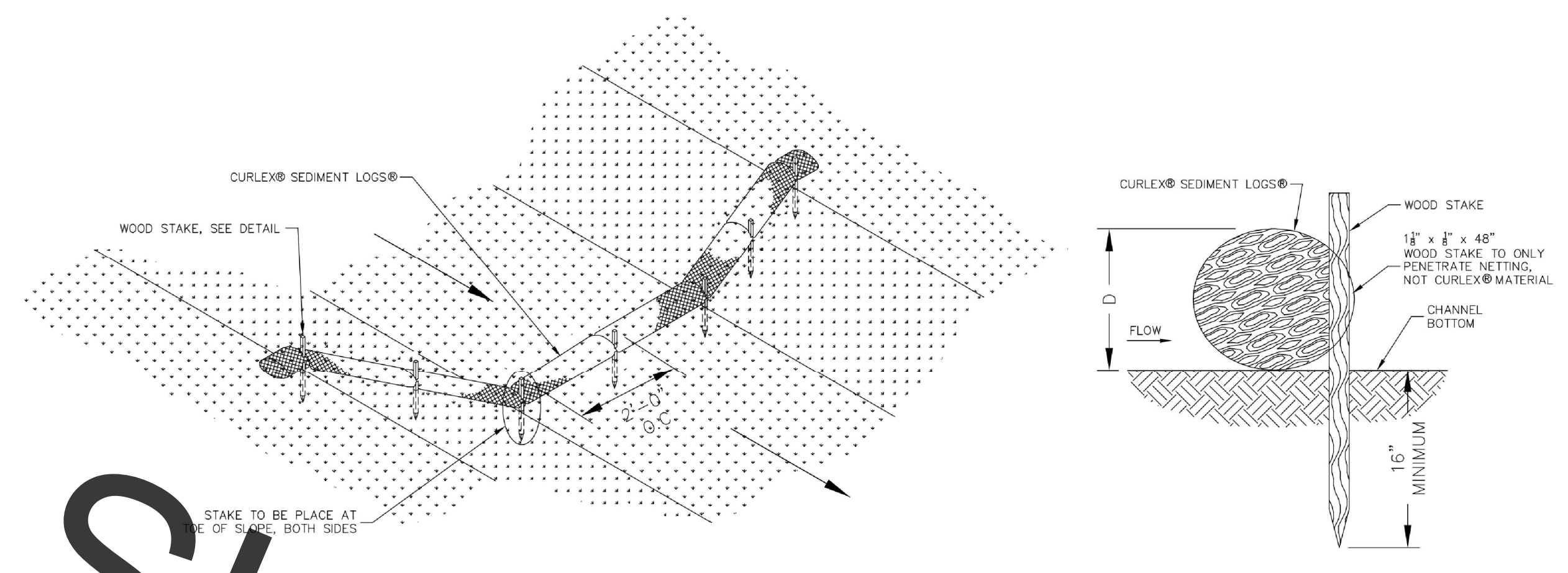
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0	15093	8/12/16	MMV	MWB	MW

MEDINA VALLEY COGEN, LLC			C-602	REV 4
ASH POND CLOSURE				
AS-BUILT PLANS				
SWPPP PLAN		MEREDOSIA POWER STATION		
SUBMITTAL TO I-EPA		SCALE RATIO = 1		

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$$\left[\frac{\text{DISTANCE BETWEEN CHANNEL BOTTOM AND TOP OF INSTALLED CURLEX SEDIMENT LOGS (DEPTH)}}{\text{CHANNEL GRADIENT (\%)}} \right] \times 100 = \text{CURLEX SEDIMENT LOGS SPACING (ft)}$$

MD-DWG-APPD-000001

SILT FENCE WITH WIRE SUPPORT PLAN

ELEVATION

FABRIC ANCHOR DETAIL

STATIC SLICE INSTALLATION **TRENCH INSTALLATION**

Labels: Mesh Support 6' Square (Max.), (Typ) Fasteners 1/4" Dia. No. 10 Gage. Wire 4 Per Post or Staples 6" (o.c.), 8' Max (Typ), 2' Min, 18" Min (Typ), Filter Fabric, Direction of Flow, Rolling with Tire 1-4 Times, Undisturbed Ground Line, 6" Min, 10" Min, 6" Min, 6" Min, Compacted Backfill.

NOTES:

- Silt Fence shall be installed prior to any grading work in the area to be protected. They shall be maintained throughout the construction period and removed in conjunction with the final grading and site stabilization. Silt fence shall be placed on the flattest area available.
- Filter fabric shall meet the requirements of material specification 592 Geotextile Table 1 or 2, Class I with equivalent opening size of at least 30 for nonwoven and 40 for woven.
- Fence posts shall be either standard steel post or wood post with a minimum cross-sectional area of 3.0 sq. in.

REFERENCE Project _____ Date _____		STANDARD DWG. NO. IUM-620A(W)
Designed _____ Date _____		SHEET 1 OF 2
Checked _____ Date _____		DATE 3-16-2012
Approved _____ Date _____		

SILT FENCE WITH WIRE SUPPORT PLAN

ELEVATION

FABRIC ANCHOR DETAIL

STATIC SLICE INSTALLATION **TRENCH INSTALLATION**

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REFERENCE Project _____ Date _____		STANDARD DWG. NO. IUM-620A(W)
Designed _____ Date _____		SHEET 1 OF 2
Checked _____ Date _____		DATE 3-16-2012
Approved _____ Date _____		

STABILIZED CONSTRUCTION ENTRANCE PLAN

PLAN VIEW

SIDE ELEVATION

Labels: Existing Ground, Wash Rack (Optional), Coarse Aggregate, Existing Pavement, 10' Min, Positive Drainage To Sediment Trapping Device, 10' Min, 3' Min, 5:1 Slope, Existing pavement, Filter Fabric, Mountable Berm (Optional), Existing Ground, 6' Min.

NOTES:

- Filter fabric shall meet the requirements of material specification 592 GEOTEXTILE, Table 1 or 2, Class I, II or IV and shall be placed over the cleared area prior to the placing of rock.
- Rock or reclaimed concrete shall meet one of the following IDOT coarse aggregate gradation, CA-1, CA-2, CA-3 or CA-4 and be placed according to construction specification 25 ROCKFILL using placement Method 1 and Class III compaction.
- Any drainage facilities required because of washing shall be constructed according to manufacturers specifications.
- If wash racks are used they shall be installed according to the manufacturer's specifications.

REFERENCE Project _____ Date _____		STANDARD DWG. NO. IL-630
Designed _____ Date _____		SHEET 1 OF 2
Checked _____ Date _____		DATE 8-18-94
Approved _____ Date _____		

STABILIZED CONSTRUCTION ENTRANCE PLAN

SECTION A-A

SECTION B-B

Labels: 14' Min, 3' Min, 3' Min, Filter Fabric, Reinforced Concrete, Drain Space, 6'-7'.

REFERENCE Project _____ Date _____		STANDARD DWG. NO. IL-630
Designed _____ Date _____		SHEET 2 OF 2
Checked _____ Date _____		DATE 8-18-94
Approved _____ Date _____		

*****AS-BUILTS*****

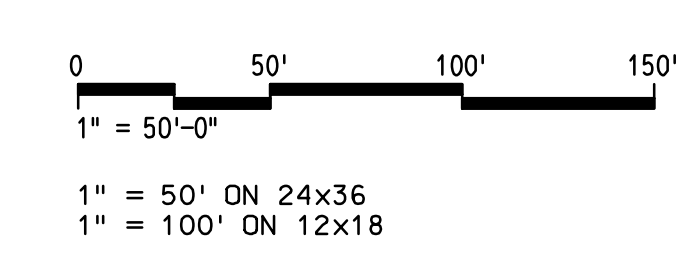
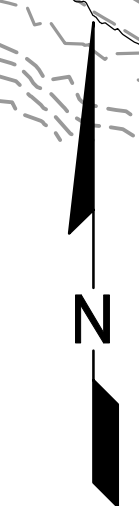
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REV	PROJ ID	DATE	DRWN	RWV	APPD	MEDINA VALLEY COGEN, LLC ASH POND CLOSURE AS-BUILT PLANS SWPPP DETAILS
2	15093	3/8/19	HWB	MMV	MW	
AS-BUILT CONDITION						MEREDOSIA POWER STATION
1	15093	12/20/17	MMV	SGH	MW	
FOR CONSTRUCTION						Ameren MISSOURI
0	15093	8/12/16	MMV	MWB	MW	
SUBMITTAL TO I-EPA						C-603
SCALE RATIO = 1						2

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SUPERSEDED BY
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1" = 50'-0"
1" = 50' ON 24x36
1" = 100' ON 12x18

AS-BUILTS

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REV	PROJ ID	DATE	DRWN	RW	APPD
0	15093	3/8/19	HWB	MMV	MW

MEDINA VALLEY COGEN, LLC
ASH POND CLOSURE
AS-BUILT PLANS
AS-BUILT AERIAL TOPOGRAPHY

MEREDOSIA POWER STATION



C-701

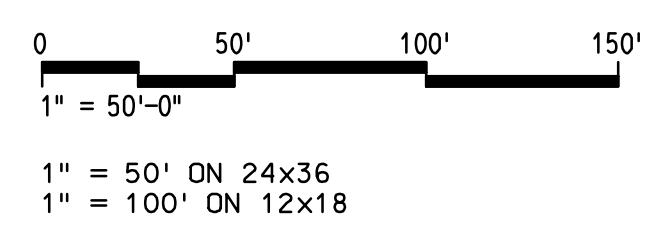
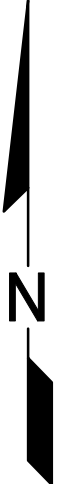
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**SUPERSEDED BY
MD-DWG-FPD-000001 022**



*****AS-BUILTS*****

THE UNDERGROUND UTILITIES SHOWN HEREIN WERE PLOTTED FROM AVAILABLE INFORMATION AND DO NOT NECESSARILY REFLECT THE ACTUAL EXISTENCE, NONEXISTENCE, SIZE, TYPE, NUMBER, OR LOCATION OF THESE OR OTHER UTILITIES. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACTUAL LOCATION OF ALL UNDERGROUND UTILITIES, SHOWN OR NOT SHOWN, AND SHALL LOCATE THE UTILITIES IN THE FIELD PRIOR TO ANY GRADING, EXCAVATION, OR CONSTRUCTION IMPROVEMENTS.

REV	PROJ ID	DATE	DRWN	RW	APPD
0	15093	3/8/19	HWB	MMV	MW
AS-BUILT CONDITION					

MEDINA VALLEY COGEN, LLC	
ASH POND CLOSURE	
AS-BUILT PLANS	
AS-BUILT AERIAL TOPOGRAPHY	
MERDOSIA POWER STATION	
Ameren MISSOURI	C-702
REV 0	APPD



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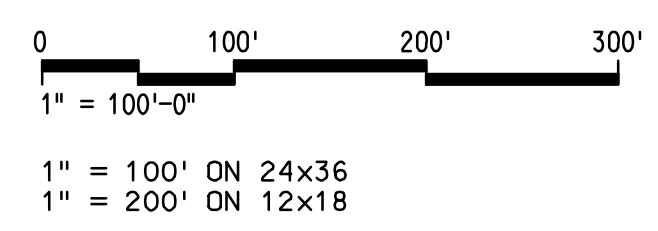
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SUPERSEDED BY:
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AS-BUILTS

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REV	PROJ ID	DATE	DRWN	RW	APPD
0	15093	3/8/19	HWB	MMV	MW

MEDINA VALLEY COGEN, LLC
ASH POND CLOSURE
AS-BUILT PLANS
AS-BUILT AERIAL TOPOGRAPHY

MEREDOSIA POWER STATION

C-703		REV 0
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