

MWVG

Midwest Generation, LLC

Powerton Generating Station

2025 Inflow Design Flood Control System Plan for Metal Cleaning Basin

Revision 0

October 13, 2025

Issue Purpose: Use

Project No.: A12661.205

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EXECUTIVE SUMMARY

This report presents the 2025 inflow design flood control system plan for the Metal Cleaning Basin at Midwest Generation, LLC's (MWG) Powerton Generating Station ("Powerton" or the "Station"). This annual plan, prepared by Sargent & Lundy (S&L) on behalf of MWG, documents how the inflow design flood control system for the Metal Cleaning Basin has been designed and constructed to meet the hydrologic and hydraulic capacity requirements for coal combustion residual (CCR) surface impoundments promulgated by 35 Ill. Adm. Code 845.510.

To complete this assessment, S&L re-evaluated the bases of the most recent hydrologic and hydraulic calculations prepared for the Metal Cleaning Basin, which were completed in March 2022. These calculations were performed using a 1,000-year design storm and by conservatively assuming that (1) the surface water elevation in the basin at the time of the design storm event was 2.5 feet higher than the basin's normal operating level (EL. 462.00 feet above mean sea level (amsl)) to account for unanticipated transient discharges into the basin and (2) the basin's outlet pipe was full at the time of the storm event. To verify the results of the March 2022 hydrologic and hydraulic calculations were still valid, S&L determined (1) whether any changes to the calculation inputs have occurred since March 2022 and (2) whether identified changes warrant updating the calculations. Where no changes were noted for a given input, or where identified changes were determined to have no impact to the results and conclusions of the 2022 hydrologic and hydraulic calculations, the previous evaluation of that input was considered to still be valid for this 2025 inflow design flood control system plan.

Per the basin's 2025 hazard potential classification assessment prepared in accordance with 35 Ill. Adm. Code 845.440(a)(1), the Metal Cleaning Basin remains classified as a Class 2 CCR surface impoundment. Therefore, the inflow design flood event for the Metal Cleaning Basin remains the 1,000-year storm per 35 Ill. Adm. Code 845.510(a)(3). Moreover, Powerton continues to primarily use the Metal Cleaning Basin for temporarily storing gas-side boiler cleaning wash water prior to treatment in the Station's Metal Cleaning Treatment System for the removal of dissolved metals and suspended solids. Finally, there have been no significant modifications to embankments for the Metal Cleaning Basin since March 2022.

Because there have been no significant modifications to the Metal Cleaning Basin and no changes to the basin's inflow design flood event since the latest hydrologic and hydraulic calculations were prepared in March 2022, the results and conclusions documented for the Metal Cleaning Basin's inflow design flood control systems in the March 2022 inflow design flood control system plan remain valid.

Table ES-1 presents the 2025 inflow design flood control system plan maximum surface elevation calculated for the Metal Cleaning Basin at Powerton in accordance with 35 Ill. Adm. Code 845.510(c)(1). Based on these results, water entering the Metal Cleaning Basin during the inflow design flood event will not overtop

the basin's dikes. The water level in the Metal Cleaning Basin during the design event was estimated to be 3.85 feet below the basin's dikes.

Table ES-1 – Summary of 2025 Hydrologic & Hydraulic Assessment Results for the Metal Cleaning Basin

CCR Surface Impoundment	Illinois Hazard Potential Classification	Inflow Design Flood	Maximum Surface Water Elevation	Basin Crest Elevation
Metal Cleaning Basin	Class 2	1,000 Year	463.15 feet	467.00 feet

1.0 PURPOSE

The Metal Cleaning Basin at Midwest Generation, LLC's (MWG) Powerton Generating Station ("Powerton" or the "Station") is a basin that is regulated as an existing coal combustion residual (CCR) surface impoundment under the Illinois Pollution Control Board's "Standards for the Disposal of Coal Combustion Residuals in CCR Surface Impoundment." These regulations are codified in Part 845 to Title 35 of the Illinois Administrative Code (35 Ill. Adm. Code 845, Ref. 1) and are also referred to herein as the "Illinois CCR Rule." Pursuant to 35 Ill. Adm. Code 845.510(c)(1), MWG must prepare an inflow design flood control system plan documenting how the inflow design flood control systems for the Metal Cleaning Basin have been designed and constructed to meet the hydrologic and hydraulic capacity requirements for CCR surface impoundment promulgated by 35 Ill. Adm. Code 845.510.

This report documents the 2025 inflow design flood control system plan prepared in accordance with the Illinois CCR Rule by Sargent & Lundy (S&L) on behalf of MWG for the Metal Cleaning Basin at Powerton. This report:

- Lists the inputs and assumptions used to determine whether the Metal Cleaning Basin can manage the inflow design flood,
- Discusses the methodology used to prepare the 2025 inflow design flood control system plan,
- Summarizes the results of the March 2022 hydrologic and hydraulic calculations performed to support the conclusion of whether the Metal Cleaning Basin meets the hydrologic and hydraulic requirements for CCR surface impoundments promulgated by the Illinois CCR Rule.
- Evaluates potential changes to the inputs used in the March 2022 hydrologic and hydraulic calculations to determine whether new or updated calculations are warranted, and
- Provides the results of the hydrologic and hydraulic calculations used to determine whether the Metal Cleaning Basin can manage the inflow design flood.

2.0 INPUTS

Inflow Design Flood Control System

Powerton primarily uses the Metal Cleaning Basin for temporarily storing gas-side boiler cleaning wash water prior to treatment in the Station's Metal Cleaning Treatment System for the removal of dissolved metals and suspended solids. As shown on the as-built construction plans of the Metal Cleaning Basin in Appendix A, which depict how the basin was lined with its existing high-density polyethylene geomembrane liner circa 2011, wash water from the Station enters the basin via three concrete aprons along the basin's southern embankment. Effluent from the basin overflows a concrete weir wall at the northern end of the basin and flows into a 30-in.-diameter reinforced concrete pipe that discharges into a sump north of and adjacent to the

basin. The top of the sump is level with the top of the basin's dikes. Finally, the Metal Cleaning Basin does not have an emergency spillway.

Inflow Design Flood Event

Per the basin's 2025 hazard potential classification assessment (Ref. 2), the Metal Cleaning Basin is classified as a Class 2 CCR surface impoundment pursuant to 35 Ill. Adm. Code 845.440(a)(1). Therefore, the inflow design flood event used in this hydrologic and hydraulic assessment of the Metal Cleaning Basin is based on the 1,000-year storm (Ref. 1, § 845.510(a)(3)). Per the National Oceanic and Atmospheric Administration's Atlas 14 (Ref. 3), the precipitation depth for the 1,000-year, 24-hour storm event at the Powerton site is 9.00 inches.

Site Topography

Topographic data for the Metal Cleaning Basin and the surrounding areas was obtained from Sheet No. C-020 in Appendix A.

Metal Cleaning Basin Conditions

The physical conditions for the Metal Cleaning Basin are based on observations made by S&L during a site visit on September 23, 2025, discussions with MWG personnel, the most recent annual inspection report prepared for the basin in accordance with 35 Ill. Adm. Code 845.540(b) (Ref. 6), and the as-built construction plans in Appendix A.

3.0 ASSUMPTIONS

There are no assumptions in this document that require verification.

4.0 METHODOLOGY

The inputs for the latest hydrologic and hydraulic calculations performed for the Metal Cleaning Basin, which were completed in March 2022, were reviewed to determine if any changes have occurred since these calculations were completed. Identified changes were then evaluated to determine if updates to these calculations were warranted. If no changes were identified, or if identified changes were determined to have no impact to the results and conclusions of these calculations, then the latest hydrologic and hydraulic calculations performed for the Metal Cleaning Basin were considered to still be valid for this 2025 inflow design flood control system plan.

5.0 HYDROLOGIC & HYDRAULIC ASSESSMENT

5.1 SUMMARY OF 2022 HYDROLOGIC & HYDRAULIC CALCULATIONS

The latest hydrologic and hydraulic calculations for Powerton’s Metal Cleaning Basin were completed in March 2022. The inputs, methodology, and results of these calculations are documented in the basin’s March 2022 inflow design flood control system plan (Ref. 5). As stated in the March 2022 plan, these calculations were performed by conservatively assuming that the surface water elevation in the basin at the time of the design storm event was 2.5 feet higher than the basin’s normal operating level (EL. 462.00 feet above mean sea level (amsl)) to account for unanticipated transient discharges into the basin. In addition, the analysis conservatively assumed that the basin’s outlet pipe was full at the time of the storm event and, therefore, the Metal Cleaning Basin would need to contain the inflow design flood without water overtopping the basin’s dikes (EL. 467.00 feet amsl). The results of this March 2022 assessment indicated that water entering the basin during the inflow design flood event would not overtop the basin’s dikes. Moreover, because the sump downstream of the Metal Cleaning Basin’s outlet pipe has the same height as the basin, water will not overtop the sump following the design event.¹ The freeboard in the basin during the design event was estimated to be 3.85 feet. Based on these results, it was concluded that the basin has adequate hydraulic capacity to retain the 1,000-year flood event without water overtopping the basin’s dikes and was therefore in conformance with 35 Ill. Adm. Code 845.510(a).

5.2 CHANGES TO INPUTS FOR MARCH 2022 HYDROLOGIC & HYDRAULIC CALCULATIONS

The following subsections summarize the evaluation conducted to determine if changes to the inputs used in the latest hydrologic and hydraulic calculation for the Metal Cleaning Basin have occurred since the calculations were completed in March 2022 that warrant updating the calculations.

5.2.1 CHANGES IN BASIN OPERATIONS

The operating conditions at the Metal Cleaning Basin described in Section 2.0 have not changed since the latest hydrologic and hydraulic calculations were prepared in March 2022. Thus, there have been no significant changes to the operations of this basin that warrant updating the March 2022 hydrologic and hydraulic calculations.

¹ In this scenario, it is conservatively assumed that the pumps in the Metal Cleaning Basin’s sump are offline. Therefore, the water level in the sump will equalize with the water level in the Metal Cleaning Basin following the design event.

5.2.2 CHANGES IN BASIN TOPOGRAPHY

Based on visual observations made by S&L during a site visit on September 23, 2025, review of the 2025 annual inspection report (Ref. 6), and reviews of Google Earth aerial images (Ref. 4), there have been no significant modifications to embankments for the Metal Cleaning Basin (mass excavations, mass fill placement, *etc.*) since the latest hydrologic and hydraulic calculations were completed in March 2022. Therefore, the topographic data (Sheet No. C-020 in Appendix A) used in these calculations are unchanged and remain valid for use in this 2025 assessment.

5.2.3 CHANGES TO INFLOW DESIGN FLOOD EVENT

Per the basin's 2025 hazard potential classification assessment (Ref. 2), the Metal Cleaning Basin is classified as a Class 2 CCR surface impoundment pursuant to 35 Ill. Adm. Code 845.440(a)(1). Therefore, the inflow design flood event remains the 1,000-year storm (Ref. 1, § 845.510(a)(3)). As documented in the basin's March 2022 inflow design flood control system plan (Ref. 5), the precipitation value for the 1,000-year, 24-hour storm event used in the latest hydrologic and hydraulic calculations completed for the Metal Cleaning Basin was 9.00 inches per NOAA's Atlas 14. As stated in Section 2.0, NOAA's 1,000-year, 24-hour precipitation value for the Powerton site remains 9.00 inches. Therefore, the inflow design flood event used in the March 2022 hydrologic and hydraulic calculations is unchanged and remains valid for use in this 2025 assessment.

5.3 RESULTS

Based on the preceding subsections, there have been no significant modifications to the Metal Cleaning Basin and no changes to the basin's inflow design flood event since the latest hydrologic and hydraulic calculations were prepared in March 2022. Therefore, the results and conclusions documented for the Metal Cleaning Basin's inflow design flood control systems in the March 2022 inflow design flood control system plan remain valid.

Table 5-1 summarizes the results from the hydrologic and hydraulic calculations performed for the Metal Cleaning Basin. Based on these results, water entering the Metal Cleaning Basin during the inflow design flood event will not overtop the basin's dikes. The water level in the Metal Cleaning Basin during the design event was estimated to be 3.85 feet below the basin's dikes.

Table 5-1 – Summary of Hydrologic & Hydraulic Assessment Results for the Metal Cleaning Basin

CCR Surface Impoundment	Illinois Hazard Potential Classification	Inflow Design Flood	Maximum Surface Water Elevation	Basin Crest Elevation
Metal Cleaning Basin	Class 2	1,000 Year	463.15 feet	467.00 feet

6.0 CONCLUSIONS

Based on the results in Table 5-1, the Metal Cleaning Basin has adequate hydraulic capacity to retain the 1,000-year flood event without water overtopping the basin’s dikes. Therefore, the Metal Cleaning Basin is able to collect and control the inflow design flood event specified in 35 Ill. Adm. Code 845.510(a)(3).

7.0 CERTIFICATION

I certify that:

- This inflow design flood control system plan was prepared by me or under my direct supervision.
- The work was conducted in accordance with the requirements of 35 Ill. Adm. Code 845.510.
- I am a registered professional engineer under the laws of the State of Illinois.

Certified By: Thomas Dehlin

Date: October 13, 2025

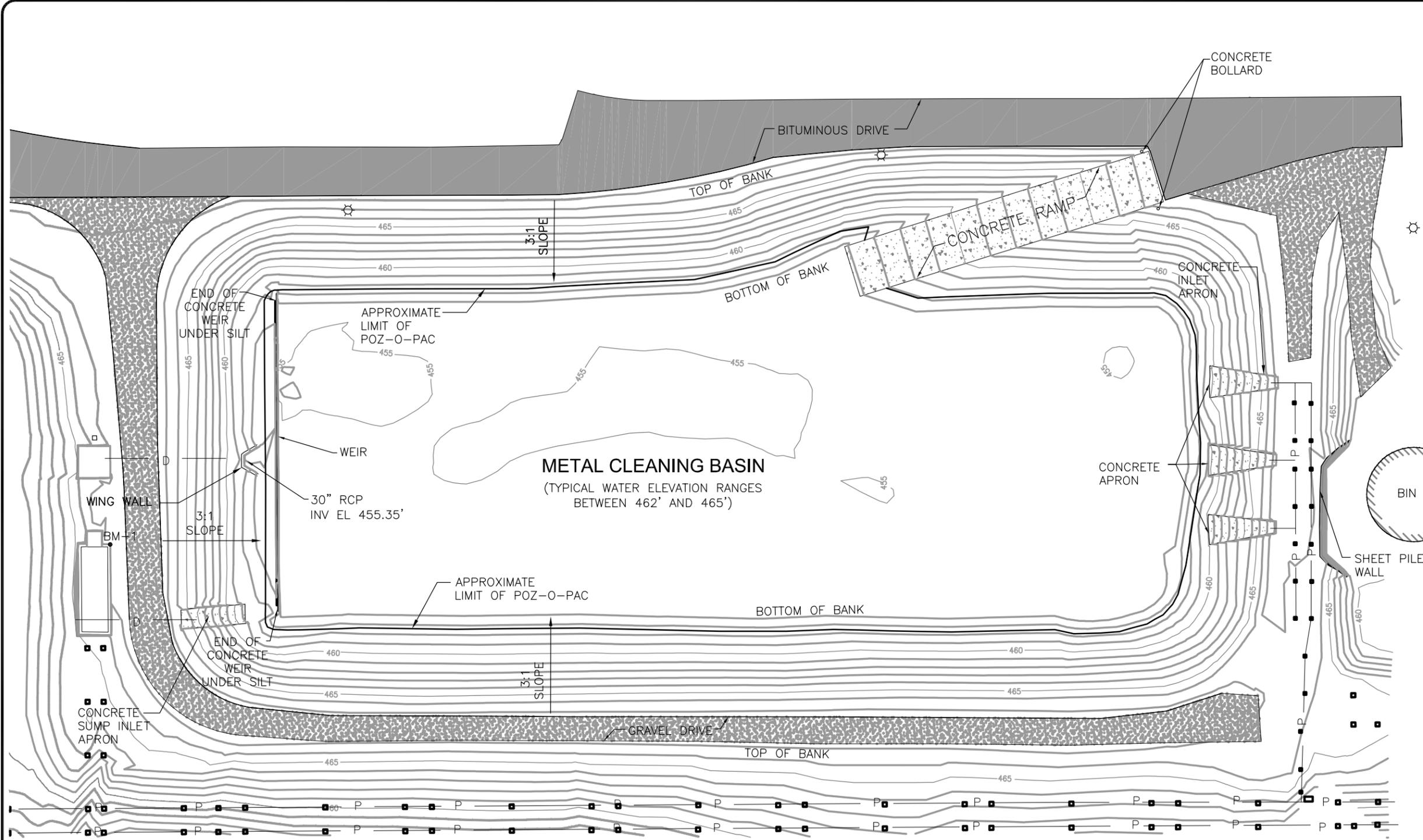
Seal:



8.0 REFERENCES

1. Illinois Pollution Control Board. "Standards for Disposal of Coal Combustion Residuals in CCR Surface Impoundments." 35 Ill. Adm. Code 845. Accessed October 6, 2025.
2. Civil & Environmental Consultants, Inc. "Hazard Potential Classification Assessment Report, Metal Cleaning Basin, Powerton Station." CEC Project No. 302-771.0325. June 2025.
3. National Oceanic and Atmospheric Administration. "Point Precipitation Frequency Estimates." NOAA Atlas 14, Volume 2, Version 3.
4. Google Earth Pro v7.3.0.3832. Accessed October 6, 2025.
5. Sargent & Lundy. "2022 Inflow Design Flood Control System Plan for Metal Cleaning Basin." S&L, Rev. 0. S&L Project No. 12661-130. March 2022.
6. Civil & Environmental Consultants, Inc. "Annual Inspection Report, Metal Cleaning Basin, Powerton Station." June 20, 2025.

APPENDIX A – 2011 AS-BUILT CONSTRUCTION PLANS



LEGEND

- UNDERGROUND DISCHARGE PIPE
- ABOVEGROUND PIPE RACK
- LIGHT POLE
- GROUND SURFACE CONTOUR

HORIZONTAL DATUM:
ILLINOIS STATE PLANE COORDINATE SYSTEM,
WEST ZONE, NAD83.

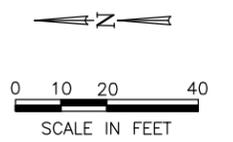
VERTICAL DATUM:
LOCAL PLANT DATUM

BENCHMARK-1:
SE CORNER TOP CONCRETE WALL
ELEVATION = 468.09 FT.

SOURCE NOTES:

THIS DRAWING WAS DEVELOPED FROM A SURVEY BY MAURER-STUTZ, INC. DATED 10/20/09, DRAWING NO. 23209009.

LOCATION OF EXISTING LINER TAKEN FROM MIDWEST GENERATION DRAWING NO. 5080 C5008, DATED 12-19-1978.



6.			
5.			
4.	RECORD DOCUMENTATION	06/16/11	HMS
3.	ISSUED FOR CONSTRUCTION	10/22/10	HMS
2.	ADDENDUM 1	10/22/09	HMS
1.	ISSUED FOR BID	10/05/09	HMS
0.	ISSUED FOR PERMIT	07/27/09	HMS
REVISION:		DATE:	APP'D BY:



PROJECT NO.
1965/4.0

DRAWN BY:
RLH/KNW 07/17/09

CHECKED BY:
RJG 07/17/09

APPROVED BY:
HMS 07/27/09

PRE-CONSTRUCTION CONDITIONS

METAL CLEANING BASIN LINER REPLACEMENT

MIDWEST GENERATION

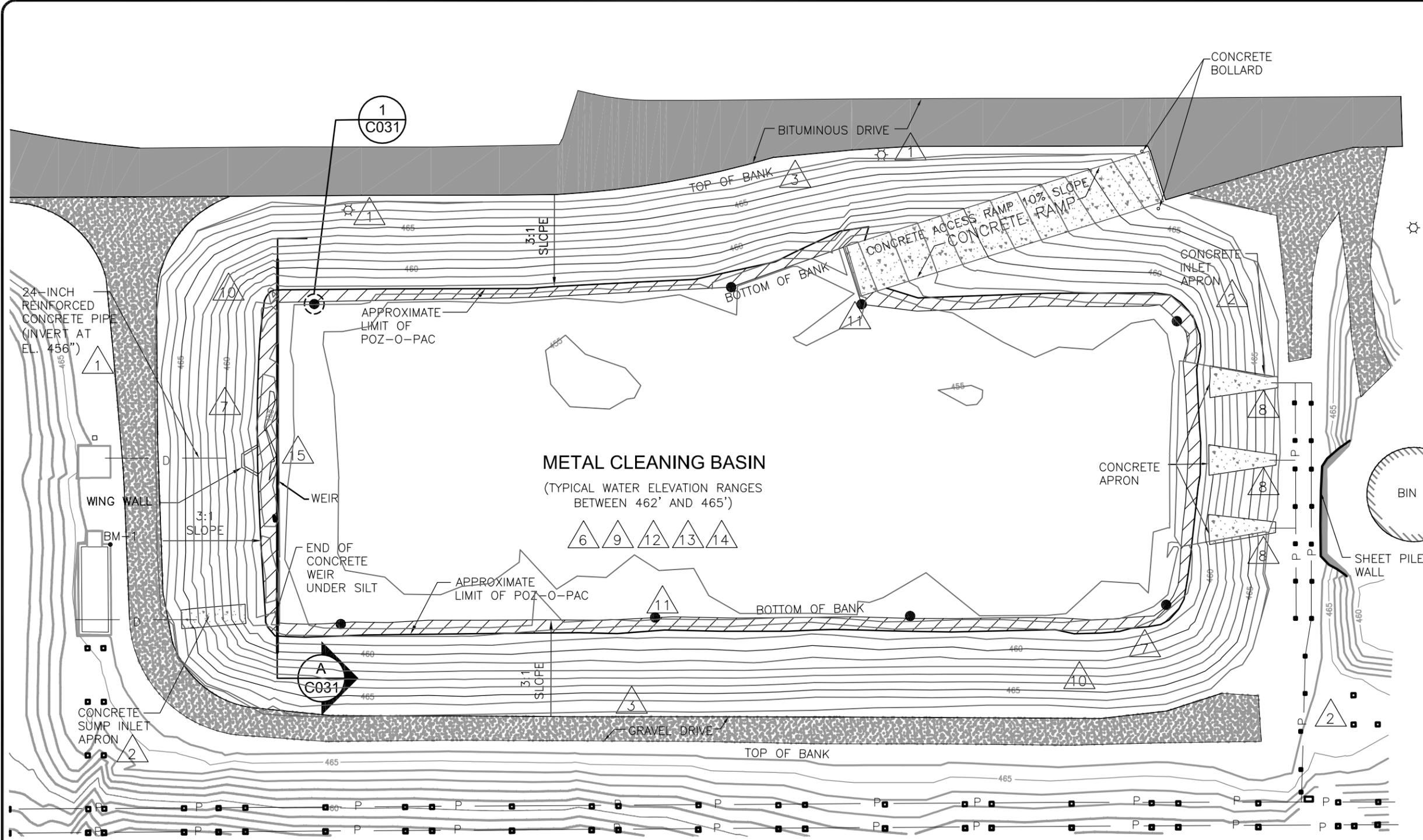
POWERTON POWER STATION

PEKIN, ILLINOIS

DRAWING NO: D1965C010-04

REFERENCE: .

SHEET NO.
C010



LEGEND

- UNDERGROUND DISCHARGE PIPE
- ABOVEGROUND PIPE RACK
- LIGHT POLE
- PREPARED SUBGRADE SURFACE CONTOUR
- MARKER POST LOCATION
- POZ-O-PAC REMOVAL AREA

- CONTRACTOR NOTES:**
1. CONTRACTOR SHALL FIELD VERIFY LOCATION OF UNDERGROUND PIPES WITH ASSISTANCE OF OWNER'S UTILITY LOCATOR.
 2. CONTRACTOR SHALL FIELD VERIFY LOCATION OF CONCRETE STRUCTURES AND ABOVE GROUND PIPING.
 3. CLEAR AND GRUB ALL BRUSH ALONG TOP OF SLOPE OF BASIN.
 4. CONTRACTOR SHALL STORE ALL GEOSYNTHETICS AND SUBGRADE MATERIALS IN ACCORDANCE WITH THE TECHNICAL SPECIFICATIONS.
 5. CONTRACTOR SHALL STORE AND STAGE EQUIPMENT AT LOCATION APPROVED BY OWNER.
 6. PROTECT ALL CONCRETE AND UTILITY STRUCTURES TO REMAIN IN PLACE THROUGHOUT PROJECT DURATION.
 7. REMOVE EXISTING 12-INCH POZ-O-PAC LAYER ALONG SIDE SLOPES. POZ-O-PAC LAYER AT BASE OF BASIN TO REMAIN IN PLACE, EXCEPT NORTH OF WEIR. CONTRACTOR SHALL REMOVE AN ADDITIONAL 6 INCHES OF SUBGRADE MATERIAL LOCATED BETWEEN THE WEIR AND THE WING WALL ALONG THE NORTH BOTTOM OF BANK, AS SHOWN ON SECTION B, SHEET C031.
 8. CONTRACTOR SHALL REMOVE INLET APRONS AND HAUL MATERIAL TO RECYCLING FACILITY.
 9. CONTRACTOR SHALL REMOVE ALL VEGETATION, ROCKS, AND OTHER DEBRIS FROM EXISTING LINER AND DISPOSE OF IN ACCORDANCE WITH THE TECHNICAL SPECIFICATIONS.
 10. CONTRACTOR SHALL REMOVE "SOFT" SUBGRADE MATERIAL BENEATH EXISTING HYPALON LINER, AS DIRECTED BY OWNER AND/OR ENGINEER. BACKFILL AREAS WITH FILL IN ACCORDANCE WITH THE TECHNICAL SPECIFICATIONS. CUT HYPALON LINER AS NEEDED TO REPAIR THE "SOFT" SUBGRADE AREAS.
 11. CONTRACTOR SHALL INSTALL MARKER POSTS ALONG THE TOE OF SLOPE AS SHOWN AND IN ACCORDANCE WITH THE TECHNICAL SPECIFICATIONS AND DETAIL 1 ON SHEET C031.
 12. SUBGRADE MUST BE APPROVED BY OWNER AND/OR ENGINEER PRIOR TO INSTALLATION OF GEOMEMBRANE.
 13. CONTRACTOR SHALL PLACE 16 OZ. NONWOVEN GEOTEXTILE OVER THE SUBGRADE IN ACCORDANCE WITH THE TECHNICAL SPECIFICATIONS.
 14. CONTRACTOR SHALL PROVIDE MEANS TO PROTECT SUBGRADE LAYER FROM EROSION, STORM WATER, AND HEAVY EQUIPMENT TRAFFIC. DAMAGE TO SUBGRADE LAYER SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
 15. CONTRACTOR SHALL EXTEND CONCRETE WEIR UP BY 18" IN ACCORDANCE WITH THE TECHNICAL SPECIFICATIONS AND SECTION A ON SHEET C031.

HORIZONTAL DATUM:
ILLINOIS STATE PLANE COORDINATE SYSTEM,
WEST ZONE, NAD83.

VERTICAL DATUM:
LOCAL PLANT DATUM

BENCHMARK-1:
SE CORNER TOP CONCRETE WALL
ELEVATION = 468.09 FT.

SOURCE NOTES:

THIS DRAWING WAS DEVELOPED FROM A SURVEY BY MAURER-STUTZ, INC. DATED 10/20/09, DRAWING NO. 23209009.

LOCATION OF EXISTING LINER TAKEN FROM MIDWEST GENERATION DRAWING NO. 5080 C5008, DATED 12-19-1978.
BASIN SUBGRADE AND SITE IMPROVEMENTS FROM A SURVEY PROVIDED BY MILLENNIA PROFESSIONAL SERVICES, MARCH 2011.

6.			
5.			
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3.	RECORD DOCUMENTATION	06/08/11	HMS
2.	ISSUED FOR CONSTRUCTION	10/22/10	HMS
1.	ISSUED FOR BID	10/05/09	HMS
0.	ISSUED FOR PERMIT	07/27/09	HMS
REVISION:		DATE:	APP'D BY:



PROJECT NO.
1965/4.0

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KNW 08/25/09

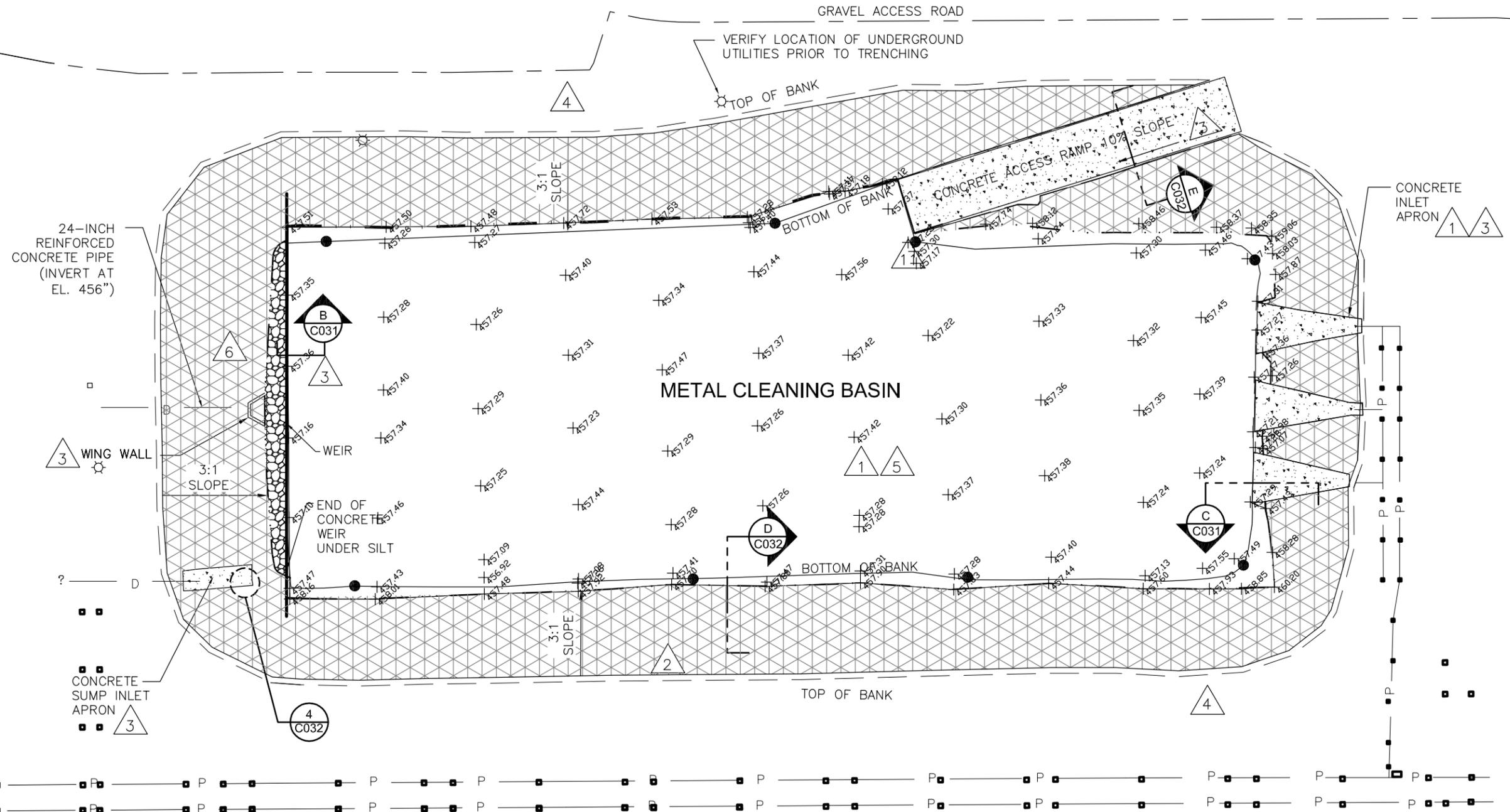
CHECKED BY:
RJG 10/05/09

APPROVED BY:
HMS 10/05/09

LINER SUBGRADE PREPARATION

METAL CLEANING BASIN LINER REPLACEMENT MIDWEST GENERATION POWERTRON POWER STATION PEKIN, ILLINOIS

DRAWING NO: D1965C020-03
SHEET NO. C020



LEGEND

- UNDERGROUND DISCHARGE PIPE
- ABOVEGROUND PIPE RACK
- ANCHOR TRENCH
- 12 OZ. NON-WOVEN GEOTEXTILE
- LIGHT POLE
- MARKER POST LOCATION
- TOP OF WARNING LAYER (ELEVATION, FT.)
- HDPE GEOMEMBRANE
- CONCRETE
- RIPRAP

CONTRACTOR NOTES:

- PRIOR TO GEOMEMBRANE INSTALLATION CONTRACTOR SHALL CONSTRUCT INLET APRONS WITH HDPE WELD STRIPS AROUND PERIMETER AND 12-INCH DEEP FOOTING AT TOP AND BOTTOM OF APRON TO MATCH PREEXISTING APRON CONSTRUCTION. APRON TO EXTEND AT MINIMUM 3 FEET BEYOND TOE OF BANK. SEE DETAIL.
- CONTRACTOR SHALL INSTALL 60 MIL HDPE, WHITE, TEXTURED GEOMEMBRANE IN ACCORDANCE WITH THE TECHNICAL SPECIFICATION PRIOR TO PLACEMENT OF THE WARNING LAYER. CONTRACTOR SHALL PROVIDE AND FOLLOW AN APPROVED GEOMEMBRANE LAYOUT PLAN.
- CONTRACTOR SHALL ATTACH GEOMEMBRANE TO STRUCTURES IN ACCORDANCE WITH THE TECHNICAL SPECIFICATION AND DETAILS ON SHEET C031 AND C032.
- GEOMEMBRANE SHALL BE ANCHORED INTO 2.5 FEET DEEP TRENCHES ALONG TOP OF BANK, AS SHOWN ON SHEET C031. CONTRACTOR SHALL ADVISE OWNER AND/OR ENGINEER IF PROPOSED LOCATION FOR ANCHOR TRENCH IS NOT FEASIBLE.
- CONTRACTOR SHALL PLACE 12-OZ. NON-WOVEN GEOTEXTILE, CUSHION MATERIAL AND WARNING LAYER MATERIAL OVER THE GEOMEMBRANE AT BASE AND 4 FEET ON SIDE SLOPES FOLLOWING ENGINEER APPROVAL AND PASSING QUALITY CONTROL RESULTS IN ACCORDANCE WITH TECHNICAL SPECIFICATIONS (SEE SHEET C031).
- CONTRACTOR SHALL PLACE RIPRAP 18 INCHES THICK, BETWEEN WEIR AND WING WALL ALONG THE BOTTOM OF BANK.
- CONTRACTOR SHALL PROVIDE SURVEY DOCUMENTATION OF THE ITEMS LISTED IN THE TECHNICAL SPECIFICATIONS.
- CONTRACTOR SHALL PERFORM A LEAK LOCATION SURVEY IN ACCORDANCE WITH TECHNICAL SPECIFICATIONS.
- RESTORE AREAS DISTURBED BY EQUIPMENT AND MATERIAL LAYDOWN.

HORIZONTAL DATUM:
ILLINOIS STATE PLANE COORDINATE SYSTEM,
WEST ZONE, NAD83.

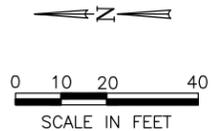
VERTICAL DATUM:
LOCAL PLANT DATUM

BENCHMARK-1:
SE CORNER TOP CONCRETE WALL
ELEVATION = 468.09 FT.

SOURCE NOTES:

THIS DRAWING WAS DEVELOPED FROM A SURVEY BY MAURER-STUTZ, INC. DATED 10/20/09, DRAWING NO. 23209009.

LOCATION OF EXISTING LINER TAKEN FROM MIDWEST GENERATION DRAWING NO. 5080 C5008, DATED 12-19-1978. BASIN SUBGRADE AND SITE IMPROVEMENTS FROM A SURVEY PROVIDED BY MILLENNIA PROFESSIONAL SERVICES, MARCH 2011.



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3.	RECORD DOCUMENTATION	06/08/11	HMS
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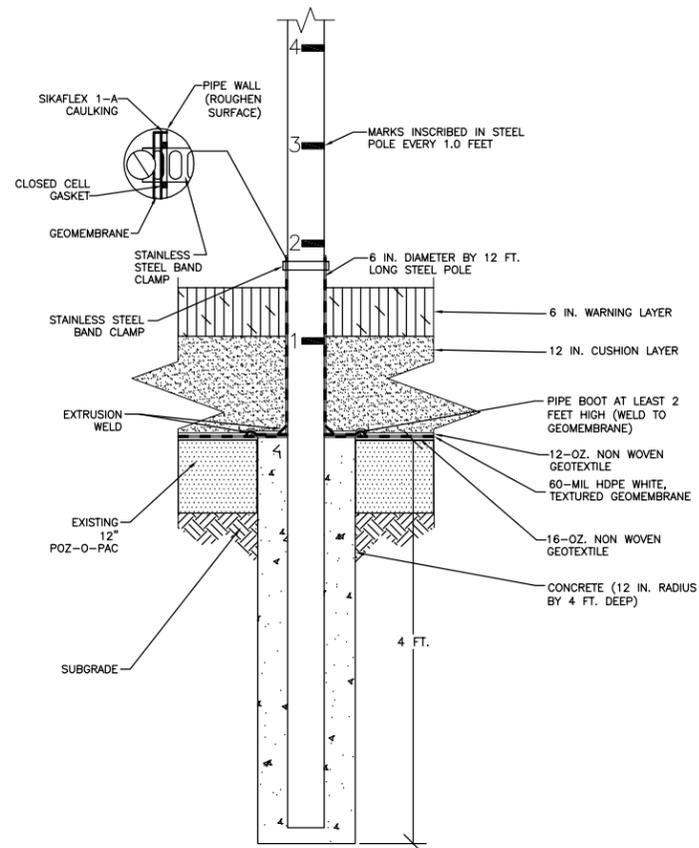
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RJG 10/05/09

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HMS 10/05/09

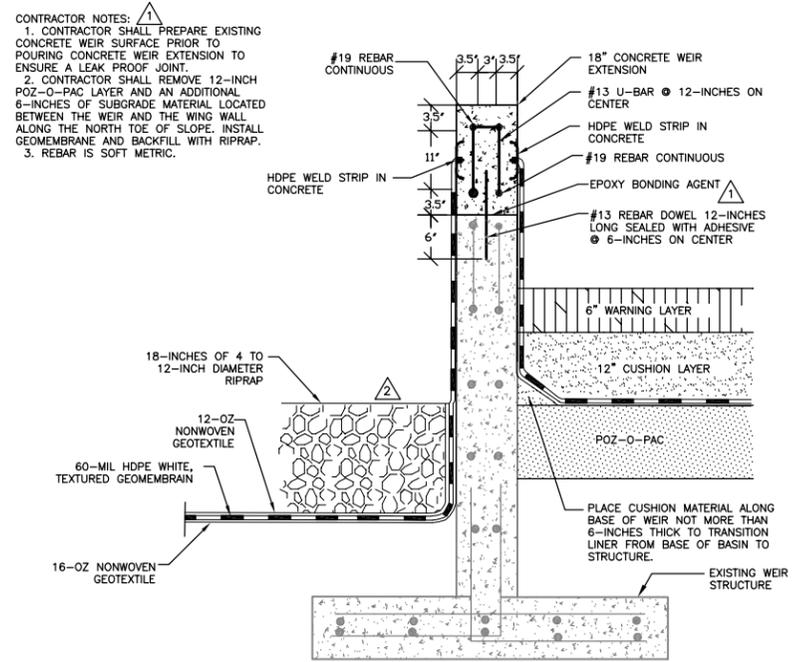
WARNING LAYER

METAL CLEANING BASIN LINER REPLACEMENT MIDWEST GENERATION POWERTON POWER STATION PEKIN, ILLINOIS

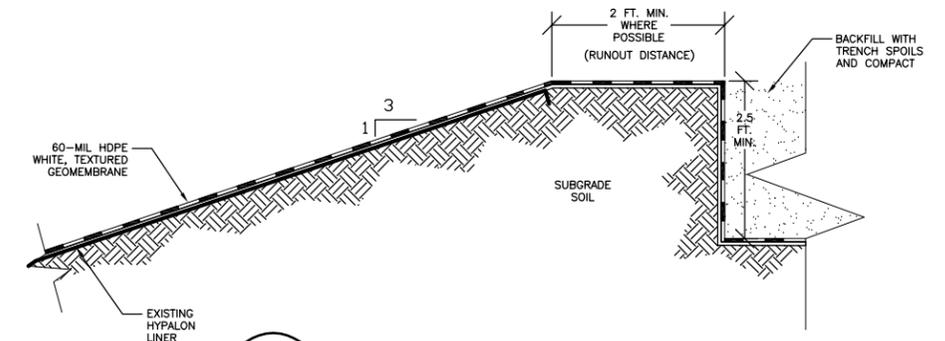
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SHEET NO. C030



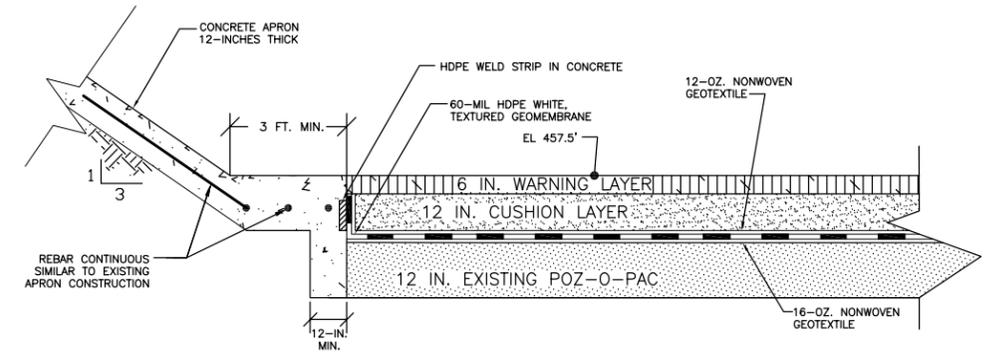
1 MARKER POST DETAIL
C020 NOT TO SCALE



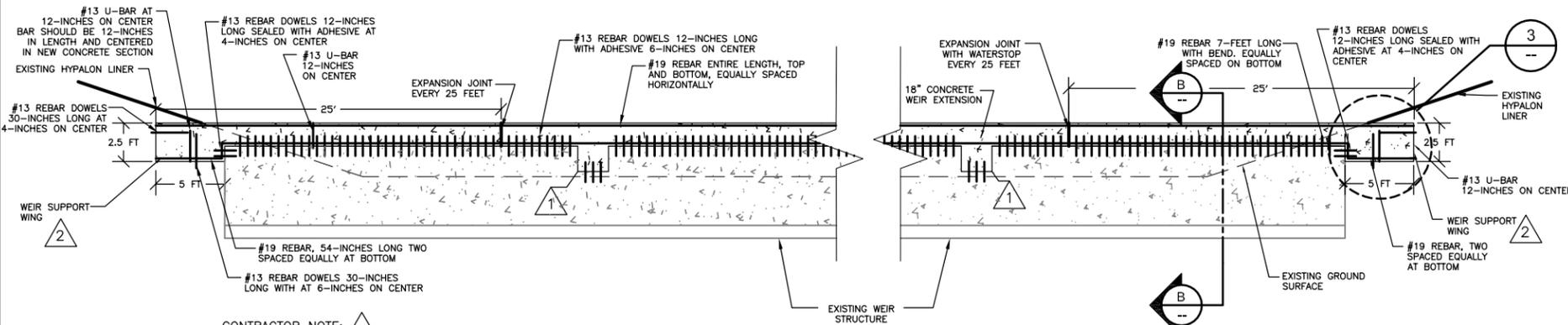
B CONCRETE WEIR EXTENSION DETAIL
NOT TO SCALE



2 ANCHOR TRENCH SECTION
C030 NOT TO SCALE



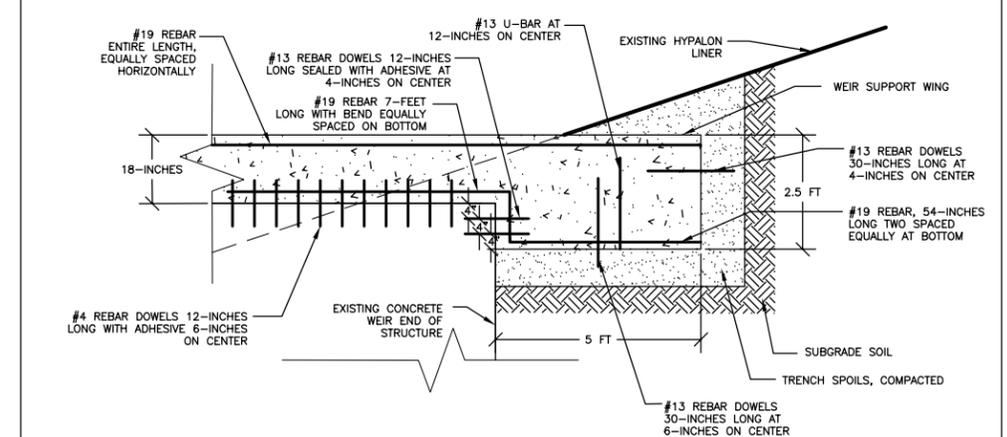
C CONCRETE INLET APRON SECTION
C030 NOT TO SCALE



CONTRACTOR NOTE: Δ

1. CONTRACTOR SHALL REMOVE METAL SLIDING GATES AND REPLACE WITH CONCRETE REBAR DOWELS AND ADHESIVE IN ACCORDANCE WITH THE TECHNICAL SPECIFICATION.
2. CONTRACTOR SHALL INSTALL WEIR SUPPORT WINGS AND BACKFILL WITH TRENCH SPOILS IN ACCORDANCE WITH THE TECHNICAL SPECIFICATIONS.
3. REBAR IS SOFT METRIC.

A CONCRETE WEIR EXTENSION SECTION
C020 NOT TO SCALE



3 WEIR SUPPORT WING DETAIL
NOT TO SCALE

6.			
5.			
4.			
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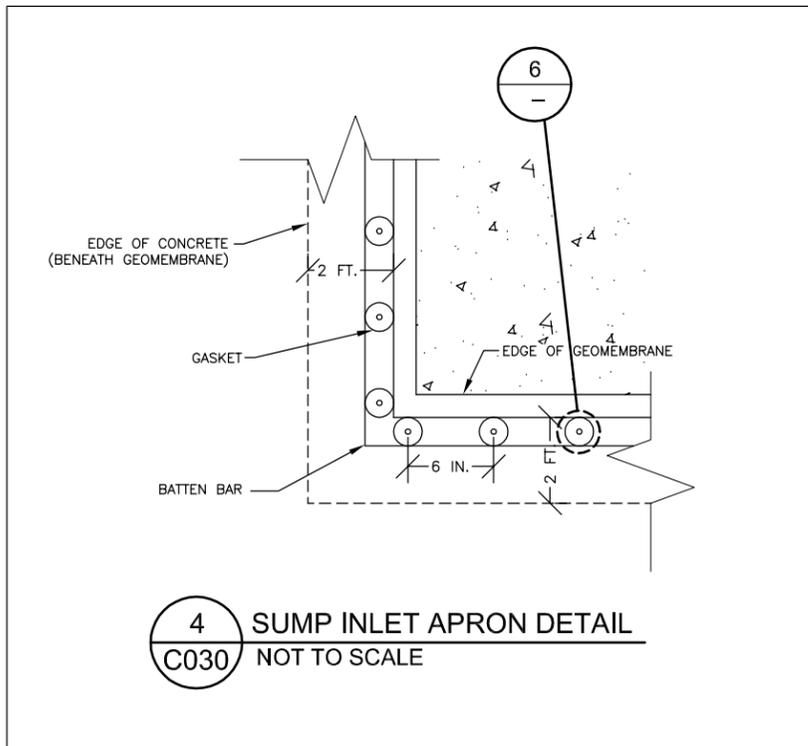


PROJECT NO.	1965/4.0
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APPROVED BY:	HMS 10/05/09

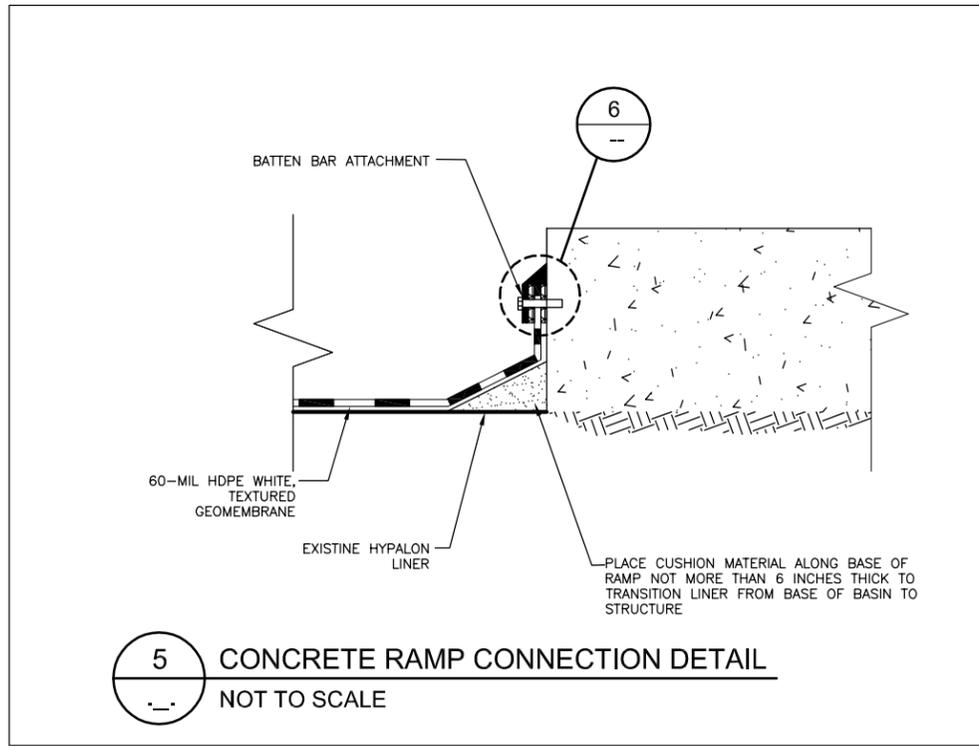
DETAILS AND SECTIONS
METAL CLEANING BASIN LINER REPLACEMENT
MIDWEST GENERATION
POWERTON POWER STATION
PEKIN, ILLINOIS

DRAWING NO: D1965C031-03
REFERENCE:.

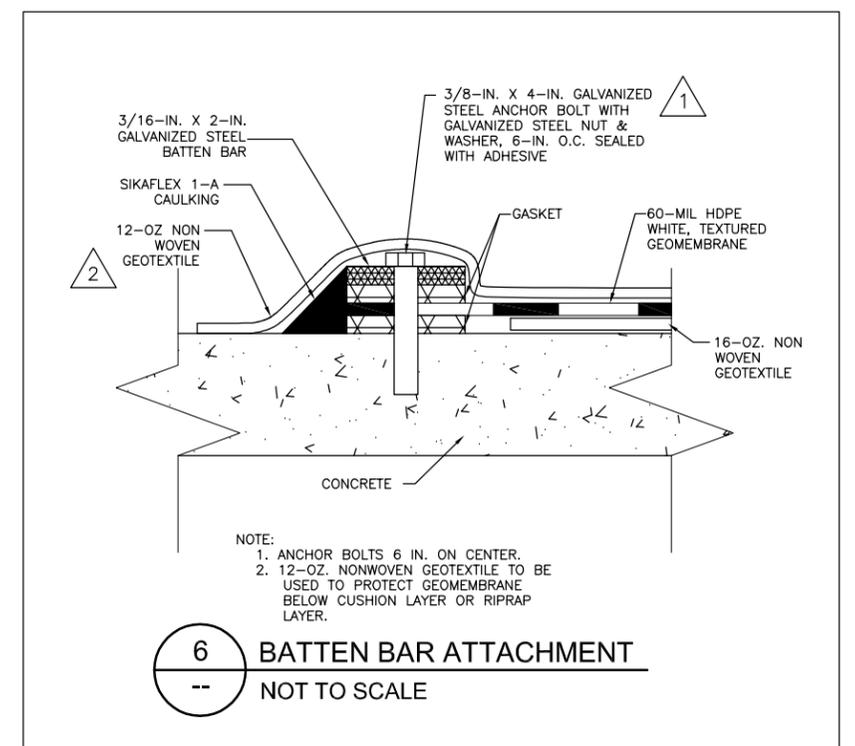
SHEET NO.
C031



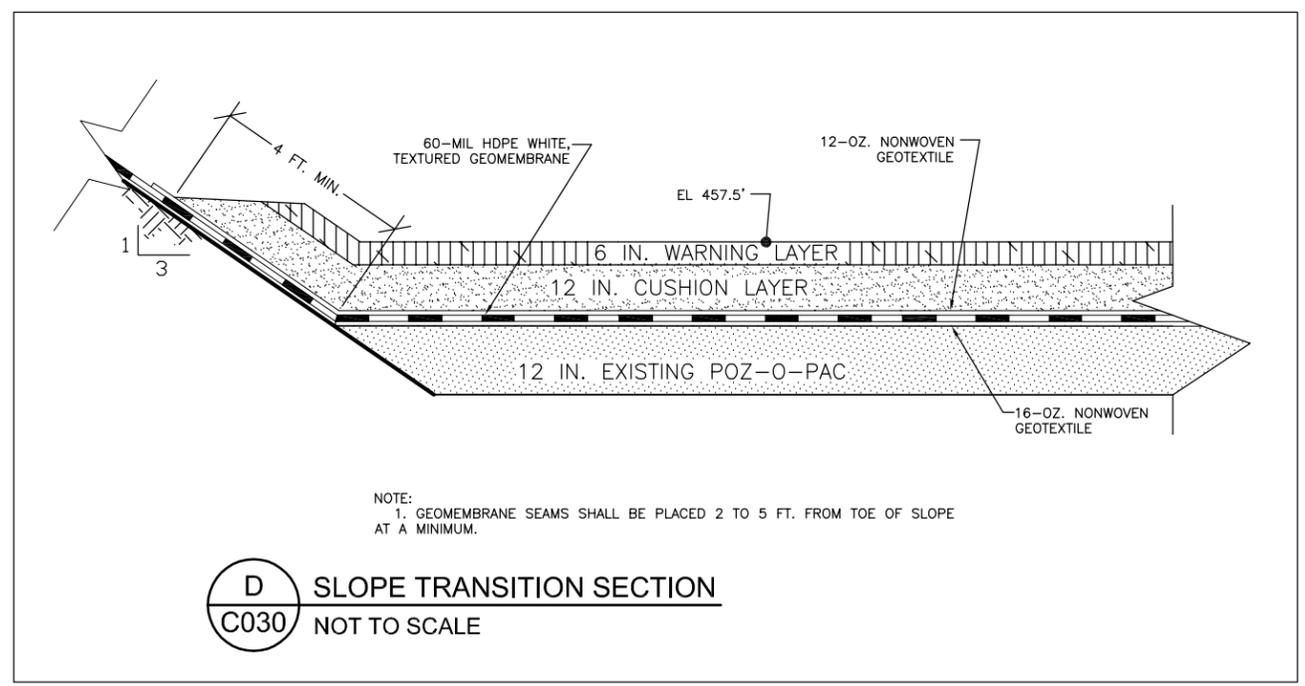
4 SUMP INLET APRON DETAIL
C030 NOT TO SCALE



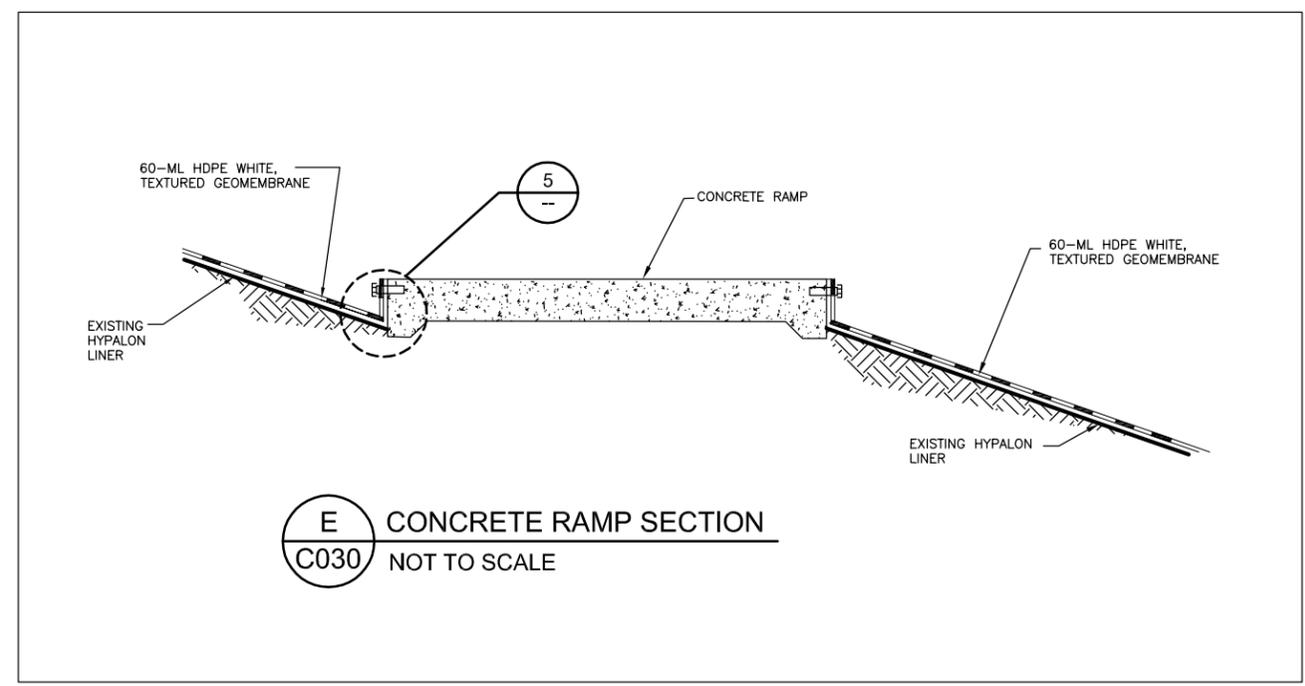
5 CONCRETE RAMP CONNECTION DETAIL
NOT TO SCALE



6 BATTEN BAR ATTACHMENT
NOT TO SCALE



D SLOPE TRANSITION SECTION
C030 NOT TO SCALE



E CONCRETE RAMP SECTION
C030 NOT TO SCALE

6.			
5.			
4.			
3.	RECORD DOCUMENTATION	06/08/11	HMS
2.	ISSUED FOR CONSTRUCTION	10/22/10	HMS
1.	ISSUED FOR BID	10/05/09	HMS
0.	ISSUED FOR PERMIT	07/27/09	HMS
REVISION:		DATE:	APP'D BY:



PROJECT NO.
1965/4.0
DRAWN BY:
KNW 08/25/09
CHECKED BY:
RJG 10/05/09
APPROVED BY:
HMS 10/05/09

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C032