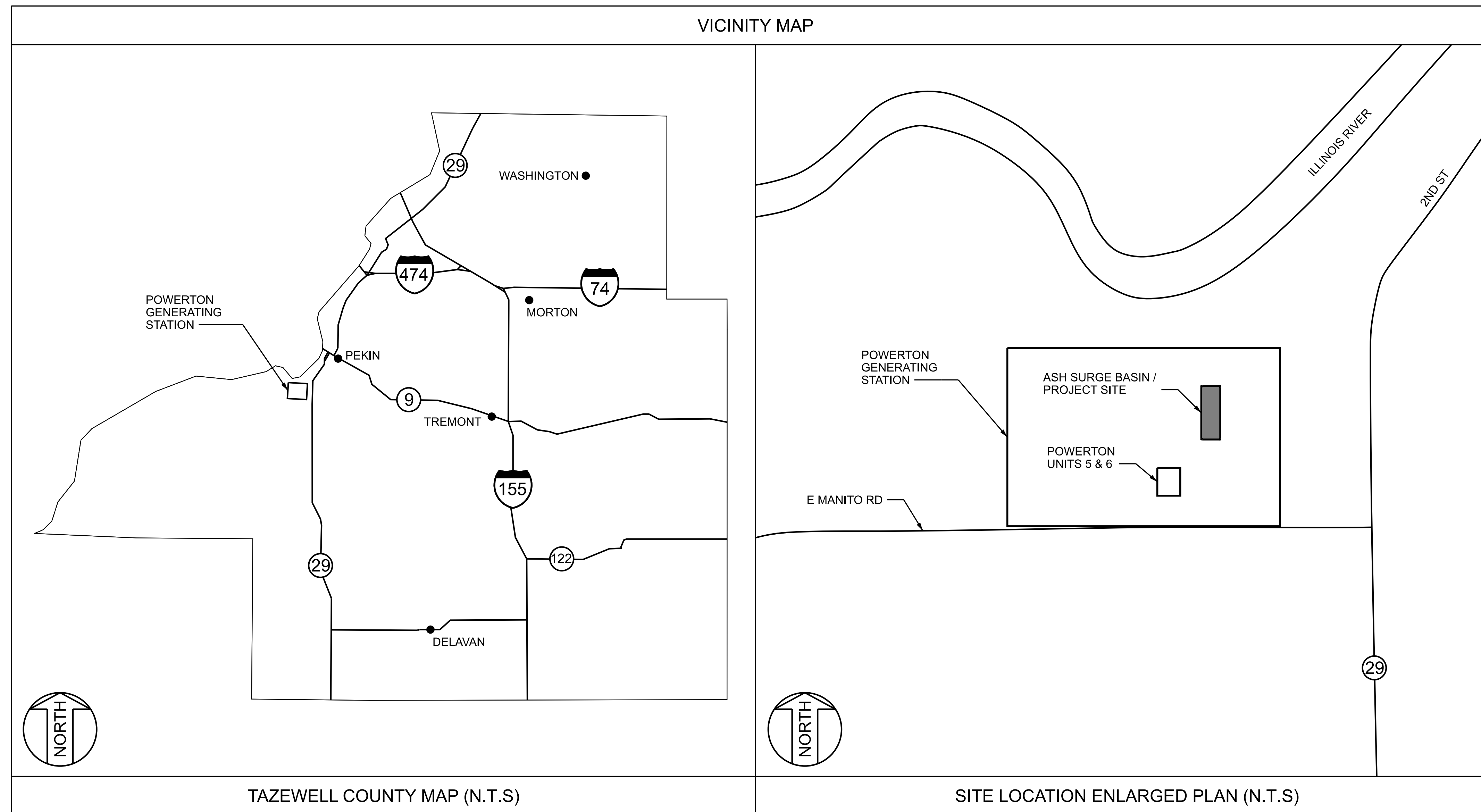


MIDWEST GENERATION, LLC POWERTON GENERATING STATION ASH SURGE BASIN RETROFIT PROJECT



PREPARED FOR:
MIDWEST GENERATION, LLC
POWERTON GENERATING STATION
13082 E. MANITO RD.
PEKIN, IL 61554

PREPARED BY:
SARGENT & LUNDY
55 E. MONROE ST.
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HOLD INFORMATION	
NO.	DESCRIPTION

CONTRACTOR/INSTALLER SHALL TAKE ALL APPROPRIATE PRECAUTIONS TO ENSURE THE SAFETY OF ALL PEOPLE LOCATED ON THE WORK SITE INCLUDING CONTRACTOR'S/INSTALLER'S PERSONNEL (OR THAT OF ITS SUB-CONTRACTOR(S)) PERFORMING THE WORK.

RELEASE INFORMATION		
REV.	DATE	DESCRIPTION
0A	03-21-2023	FOR CLIENT COMMENT
0B	03-24-2023	FOR PUBLIC COMMENT

ISSUE PURPOSE: PUBLIC COMMENT
SPECIFICATION: P-1802
PROJECT NO.: 12661-152

CAD FILE NAME: POW-ASB-CSK-001.DGN
PREPARED BY: M. KARNIA / J. CHAVEZ
REVIEWED BY: T. DEHLIN
APPROVED BY: -

ANY MODIFICATION OR ADDITION TO THIS DRAWING BY AN ORGANIZATION OTHER THAN SARGENT & LUNDY, IS NOT THE RESPONSIBILITY OF SARGENT & LUNDY.



PROJECT
**POWERTON
GENERATING STATION
ASH SURGE BASIN RETROFIT**

DRAWING TITLE
COVER SHEET

DRAWING NUMBER	REVISION
POW-ASB-CSK-001	0B
SHEET 1 OF 1	

POWERTON ASH SURGE BASIN RETROFIT PROJECT DRAWING LIST	
DWG NO.	DRAWING TITLE
POW-ASB-CSK-001	COVER SHEET
POW-ASB-CSK-002	GENERAL NOTES
POW-ASB-CSK-003	EXISTING CONDITIONS
POW-ASB-CSK-004	EXCAVATION PLAN
POW-ASB-CSK-005	EXCAVATION SECTIONS & DETAILS
POW-ASB-CSK-006	STRUCTURAL FILL GRADING PLAN
POW-ASB-CSK-007	COMPOSITE LINER & LEACHATE COLLECTION SYSTEM PLAN
POW-ASB-CSK-008	COMPOSITE LINER & LEACHATE COLLECTION SYSTEM SECTIONS & DETAILS - SHEET 1
POW-ASB-CSK-009	COMPOSITE LINER & LEACHATE COLLECTION SYSTEM SECTIONS & DETAILS - SHEET 2

CONTRACTOR/INSTALLER SHALL TAKE ALL APPROPRIATE PRECAUTIONS TO ENSURE THE SAFETY OF ALL PEOPLE LOCATED ON THE WORK SITE, INCLUDING CONTRACTOR'S/INSTALLER'S PERSONNEL (OR THAT OF ITS SUBCONTRACTOR(S)) PERFORMING THE WORK.
UNDERGROUND OR EMBEDDED UTILITIES MAY BE LOCATED WITHIN OR ADJACENT TO THE AREA IN WHICH EXCAVATION, DEMOLITION, FOUNDATION, OR MODIFICATION WORK IS TO BE PERFORMED. REFERENCES RELATING TO THE UNDERGROUND OR EMBEDDED UTILITIES ARE PROVIDED TO ASSIST THE CONTRACTOR/INSTALLER IN THE FIELD LOCATING THOSE UTILITIES AND OTHER POSSIBLE UNDERGROUND OR EMBEDDED INTERFERENCES WITH THE WORK.
THE CONTRACTOR/INSTALLER SHALL EXERCISE DUE CAUTION DURING ALL EXCAVATION/FOUNDATION/DEMOLITION WORK.

**PRELIMINARY
NOT FOR CONSTRUCTION**

PL127830(01)168(4)E:\Share\INFO CENTER\DISCIPLINE REF MATERIAL\LIC\DESIGN\2-Powerton - CCR\Ash Surge Basin Closure Drawings\POW-ASB-CSK-001.dgn
 Form: G:\CADD\1-1-106_ANSI (Imperial)\MicroStation Border - Size E - 34 x 44
 Revision: 11A, Revision Date: 04-30-2010

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GENERAL NOTES

- ALL WORK SHALL BE PERFORMED BY A GENERAL WORK (GW) CONTRACTOR ACCORDING TO THE REQUIREMENTS OF SPECIFICATION P-1802 UNLESS OTHERWISE NOTED ON THE DESIGN DRAWINGS.
- THE GW CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR AND HAVE CONTROL AND CHARGE OF CONSTRUCTION MEANS, METHODS, TECHNIQUES, WORK SEQUENCING, AND PROCEDURES IN CONNECTION WITH THE WORK. THE GW CONTRACTOR SHALL CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, COMPOSED OF THE DESIGN DRAWINGS AND SPECIFICATIONS.
- ALL WORK DONE BY GW CONTRACTOR PURSUANT TO THESE DRAWINGS SHALL: (A) CONFORM TO THE GOVERNING CONTRACT DOCUMENTS; (B) BE PERFORMED EXCLUSIVELY BY ITS TRAINED, COMPETENT PERSONNEL OR, WHERE PERMITTED, THAT OF ITS SUBCONTRACTOR(S); AND (C) COMPLY WITH ALL APPLICABLE SAFETY LAWS, REGULATIONS, PROGRAMS AND PRACTICES TO ENSURE THE SAFETY OF ALL PEOPLE LOCATED ON THE WORK SITE, INCLUDING THE GW CONTRACTOR'S PERSONNEL (OR THAT OF ITS SUBCONTRACTOR(S)) PERFORMING THE WORK.
- THE GW CONTRACTOR SHALL PERFORM INSTALLATION AND REMOVAL WORK IN A NEAT AND SKILLFUL MANNER, CAREFULLY TERMINATING WORK NEAR MATERIAL TO REMAIN IN PLACE. PRECAUTIONS SHALL BE TAKEN NOT TO DAMAGE OR DEFACE WORK, EXISTING FACILITIES, AND/OR MATERIAL TO REMAIN IN PLACE. THE GW CONTRACTOR SHALL BE RESPONSIBLE FOR ANY SUCH DAMAGE OR REPAIR THEREOF.
- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF FEDERAL, STATE, OR LOCAL CODES, STANDARDS, AND SPECIFICATIONS.
- ANY WORK FOUND DEFECTIVE OR NOT IN COMPLIANCE WITH THE REQUIREMENTS OF THE PROJECT SPECIFICATIONS OR THE DESIGN DRAWINGS SHALL BE REPLACED/FIXED AT NO ADDITIONAL COST TO THE OWNER.
- COMPACTION:**
SEE SPECIFICATION P-1802 FOR COMPACTION AND EARTHWORK REQUIREMENTS.
- SOIL EROSION AND SEDIMENTATION CONTROL:**
PROPER SOIL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSTALLED TO MEET THE APPLICABLE REGULATORY CODES AND THE PERMIT REQUIREMENTS.
- CONSTRUCTION QUALITY ASSURANCE:**
 - MATERIALS AND CONSTRUCTION PROCEDURES WILL BE SUBJECT TO INSPECTION AND TESTING BY A CONSTRUCTION QUALITY ASSURANCE (CQA) CONTRACTOR EMPLOYED BY THE OWNER. SUCH INSPECTIONS AND TESTS WILL NOT RELIEVE THE GW CONTRACTOR OF THE RESPONSIBILITY FOR PROVIDING MATERIALS AND INSTALLATION IN COMPLIANCE WITH SPECIFIED REQUIREMENTS.
 - THE OWNER RESERVES THE RIGHT, AT ANY TIME BEFORE FINAL ACCEPTANCE, TO REJECT MATERIALS OR WORKMANSHIP NOT COMPLYING WITH SPECIFIED REQUIREMENTS. THE GW CONTRACTOR SHALL CORRECT THE DEFICIENCIES WHICH THE INSPECTIONS AND TESTS HAVE INDICATED ARE NOT IN COMPLIANCE WITH SPECIFIED REQUIREMENTS.
 - CQA ACTIVITIES WILL BE PERFORMED AS DESCRIBED ON THE DESIGN DRAWINGS AND IN SPECIFICATION P-1802.
- TOPOGRAPHIC MAP & COORDINATES:**
 - EXISTING TOPOGRAPHY FOR THE PROJECT SITE SHOWN ON THE DESIGN DRAWINGS WAS PREPARED IN 2022 BY RUETTIGER, TONELLI & ASSOCIATES, INC.
 - THE PLANT COORDINATE SYSTEM SHOWN ON THE DESIGN DRAWINGS IS BASED ON THE ILLINOIS STATE PLANE, WEST ZONE, NORTH AMERICAN DATUM OF 1983 (2011) (NAD 83/2011), U.S. SURVEY FEET.
- HORIZONTAL AND VERTICAL CONTROL:**
 - THE BASIS FOR HORIZONTAL CONTROL IS AS DESCRIBED IN NOTE 10.
 - THE BASIS FOR VERTICAL CONTROL IS THE LOCAL PLANT DATUM.
 - THE FOLLOWING PERMANENT BENCHMARKS FOR HORIZONTAL AND VERTICAL CONTROL HAVE BEEN ESTABLISHED AT THE PROJECT SITE. THE CONTRACTOR SHALL NOTIFY THE OWNER OF ANY DISCREPANCIES IN EXISTING BENCHMARK LOCATIONS AND/OR ELEVATIONS.

ID#	NORTHING	EASTING	ELEVATION
528	1,412,067.47	2,432,531.82	465.02
1193	1,412,960.21	2,432,343.81	459.51
 - GW CONTRACTOR IS RESPONSIBLE FOR SETTING ADDITIONAL MONUMENTS AND CONTROL POINTS THAT THEY DEEM NECESSARY FOR COMPLETION OF THE WORK.
- GEOTECHNICAL WORK:**
A STRUCTURAL STABILITY AND FACTOR OF SAFETY ASSESSMENT FOR THE ASH SURGE AND BYPASS BASINS WAS PREPARED BY GEOSYNTEC CONSULTANTS IN OCTOBER 2016. SITE SPECIFIC SOIL DATA AND GEOTECHNICAL RECOMMENDATIONS ARE PROVIDED AND REFERENCED THEREIN.
- EXISTING CONDITIONS:**
 - DIMENSIONS OF EXISTING WORK SHALL BE VERIFIED BY THE GW CONTRACTOR PRIOR TO THE START OF WORK IN ACCORDANCE WITH THE SPECIFICATION AS FIELD CONDITIONS MAY VARY FROM INFORMATION SHOWN ON THE DESIGN DRAWINGS. DIMENSIONS NOTED FOR REFERENCE (REF) INDICATE NOMINAL DIMENSIONS FOR THE EXISTING STRUCTURE, UTILITY, ETC. NEW WORK SHALL NOT BE LOCATED BASED ON THE REFERENCE DIMENSIONS.
 - PRIOR TO COMMENCING THE WORK, THE CONTRACTOR SHALL EXAMINE THE AREAS AND CONDITIONS UNDER WHICH THE RETROFIT WORK IS TO TAKE PLACE, AND NOTIFY THE OWNER IN WRITING OF CONDITIONS WHICH MAY IMPACT THE PROPER AND TIMELY COMPLETION OF THE WORK.
 - UNDERGROUND OR EMBEDDED UTILITIES MAY EXIST WITHIN THE AREA OF AND ADJACENT TO THE LIMITS OF THE WORK. THE LOCATION OR IDENTIFICATION OF SUCH UTILITIES HAS NOT BEEN VERIFIED BY THE OWNER OR BY S&L. GW CONTRACTOR IS RESPONSIBLE FOR FIELD LOCATING AND IDENTIFYING UNDERGROUND OR EMBEDDED UTILITIES AND ANY OTHER UNDERGROUND OR EMBEDDED UTILITY DIMENSIONS.
 - REFERENCES USED HAVE BEEN IDENTIFIED ON EXCAVATION/FOUNDATION/DEMOLITION DRAWINGS AND HAVE BEEN PROVIDED TO ASSIST THE GW CONTRACTOR IN THE FIELD LOCATING EXISTING UTILITIES AND OTHER POTENTIAL UNDERGROUND OR EMBEDDED INTERFERENCES. THESE REFERENCES ONLY SHOW THE APPROXIMATE LOCATION OF POTENTIAL UNDERGROUND OR EMBEDDED UTILITIES AND MAY NOT INDICATE OR REFLECT ALL EXISTING UNDERGROUND OR EMBEDDED UTILITIES OR THEIR ACTUAL LOCATIONS.
 - REFERENCES IDENTIFIED SHALL NOT SUBSTITUTE FOR THE GW CONTRACTOR'S OBLIGATION TO FIELD LOCATE ANY UNDERGROUND OR EMBEDDED UTILITIES OR INTERFERENCES THAT MAY AFFECT THE WORK.
 - DUE CAUTION SHALL BE TAKEN DURING ANY EXCAVATION/FOUNDATION/DEMOLITION WORK WITHIN THE AREA OF, AND ADJACENT TO THE LIMITS OF THE WORK DUE TO POSSIBLE INTERFERENCES THAT MAY NOT BE REFLECTED ON THE REFERENCES IDENTIFIED.
 - THE GW CONTRACTOR SHALL BE RESPONSIBLE FOR THE PRESERVATION AND RESTORATION OF THE EXISTING UTILITIES IF DAMAGED DURING CONSTRUCTION AT NO ADDITIONAL COST TO THE OWNER.

ABBREVIATIONS	
ROAD AND GRADING	
TR/D	TOP OF ROAD ELEVATION
EL OR ELEV	GRADE ELEVATION
INV	INVERT ELEVATION
HP	HIGH POINT
LP	LOW POINT
HPFS	HIGH POINT FINISH SURFACING
BC	BEGINNING OF CURVE (HORIZONTAL CURVE)
EC	END OF CURVE (HORIZONTAL CURVE)
PI	POINT OF INTERSECTION (HORIZONTAL CURVE)
PT	POINT OF TANGENT
PC	POINT OF CURVE
STA	STATION
VC	VERTICAL CURVE
BVC	BEGINNING OF VERTICAL CURVE
EVC	END OF VERTICAL CURVE
PIVC	POINT OF INTERSECTION OF VERT. CURVE
PRC	POINT OF REVERSE CURVE
PCC	POINT OF COMPOUND CURVE
R	RADIUS
T	TANGENT
L	LENGTH OF CURVE
D	DEGREE OF CURVE
I	INTERIOR/DEFLECTION ANGLE OF CURVE
UN	UNLESS NOTED
ROW	RIGHT OF WAY
OHL	OVERHEAD LINE
OC	ON CENTER
WL	WATER LEVEL
HWL	HIGH WATER LEVEL
YR	YEAR
DS	DOWNSTREAM
US	UPSTREAM
CL	CENTERLINE
AC	ACRE
N.T.S.	NOT TO SCALE
LWL	LOW WATER LEVEL

SYMBOLS	
	CENTERLINE OF NATURAL DRAINAGE PATTERN
	VALLEY LINE OR "V" DITCH
	SWALE
	CENTERLINE OF TRAPEZOIDAL DRAINAGE
	TRAPEZOIDAL DRAINAGE DITCH WITH BOTTOM WIDTH GREATER THAN 2'. BOTTOM WIDTH AND SIDE SLOPE SHOWN ON PLAN OR DETAIL
	RIPRAP EROSION PROTECTION
	PIPE CULVERT
	CULVERT NUMBER SHOWN
	TOP OF EMBANKMENT SLOPE OR DITCH SIDE SLOPE AND DIRECTION OF SLOPE
	HORIZONTAL TO VERTICAL SLOPE WHEN SLOPE IS CONSTANT
	SLOPE VARIES
	SLOPE IS NOT CONSTANT
	DIRECTION OF ROAD OR AREA SLOPE. PERCENT OF SLOPE SHOWN WHERE APPLICABLE
	TOP OF DIKE
	RADIUS OF CURVATURE
	SECTION NUMBER (FIRST NUMBER=DRAWING SECOND NUMBER=SECTION NUMBER)
	CHAIN LINK FENCE
	WATER LINE
	BURIED GAS LINE
	BURIED ELECTRICAL CABLE
	INDEX CONTOUR
	INTERMEDIATE CONTOUR
	ELEVATION CONTOUR
	EXISTING DEPRESSION
	SPOT ELEVATION
	VERTICAL CONTROL POINT
	HORIZONTAL CONTROL POINT
	EXISTING FIRE HYDRANT
	EXISTING UTILITY POLE
	EXISTING UTILITY POLE WITH GUY
	WOOD OR BRUSH OUTLINE
	GRATING
	SINGLE SIGN ON POST
	DOUBLE SIGN ON POST
	GUARD POST

SYMBOLS & ABBREVIATIONS	
EROSION CONTROL SYMBOLS	
	SILT FENCE
	INLET PROTECTION
	ROCK CHECK
SEWERS AND UNDERGROUND PIPE	
CB	CATCH BASIN
CO	CLEANOUT
MH	MANHOLE
RE	RIM ELEVATION
CL	CENTERLINE
S	SLOPE
BOP	BOTTOM OF PIPE
PVC	POLY VINYL CHLORIDE PIPE
HDPE	HIGH DENSITY POLYETHYLENE PIPE
RCP	REINFORCED CONCRETE PIPE
CMP	CORRUGATED METAL PIPE
CHDPE	CORRUGATED HIGH DENSITY POLYETHYLENE PIPE
CISP	CAST IRON SOIL PIPE
DIWP	DUCTILE IRON WATER PIPE
STL	CARBON STEEL PIPE
IP	IN PLACE
SWS	STORM WATER SEWER
OWS	OILY WATER SEWER
SAN	SANITARY SEWER
PWS	PROCESS WASTE SEWER
C.S.	CARBON STEEL
ROAD, PAVEMENT AND SURFACING SYMBOLS	
	ASPHALT OR CONCRETE PAVED ROAD. OUTER LINES SHOW OVERALL WIDTH. INTERIOR LINES SHOW EDGES OF PAVEMENT.
	ROCK SURFACED ROAD
	ISOLATION JOINT
	THICKENED EDGE ISOLATION JOINT
	THICKENED EDGE EXPANSION JOINT
	PAVEMENT THICKENED EDGE
	CONTRACTION JOINT
	CONCRETE PAVING
	CRUSHED ROCK SURFACING
	ASPHALT PAVEMENT
	6" THICK CRUSHED STONE GROUND COVER SURFACING
	4" THICK SEEDED TOPSOIL

UNDERGROUND OR EMBEDDED UTILITIES MAY BE LOCATED WITHIN OR ADJACENT TO THE AREA IN WHICH EXCAVATION, DEMOLITION, FOUNDATION, OR MODIFICATION WORK IS TO BE PERFORMED. REFERENCES RELATING TO THE UNDERGROUND OR EMBEDDED UTILITIES ARE PROVIDED TO ASSIST THE CONTRACTOR/INSTALLER IN THE FIELD LOCATING THOSE UTILITIES AND OTHER POSSIBLE UNDERGROUND OR EMBEDDED INTERFERENCES WITH THE WORK.

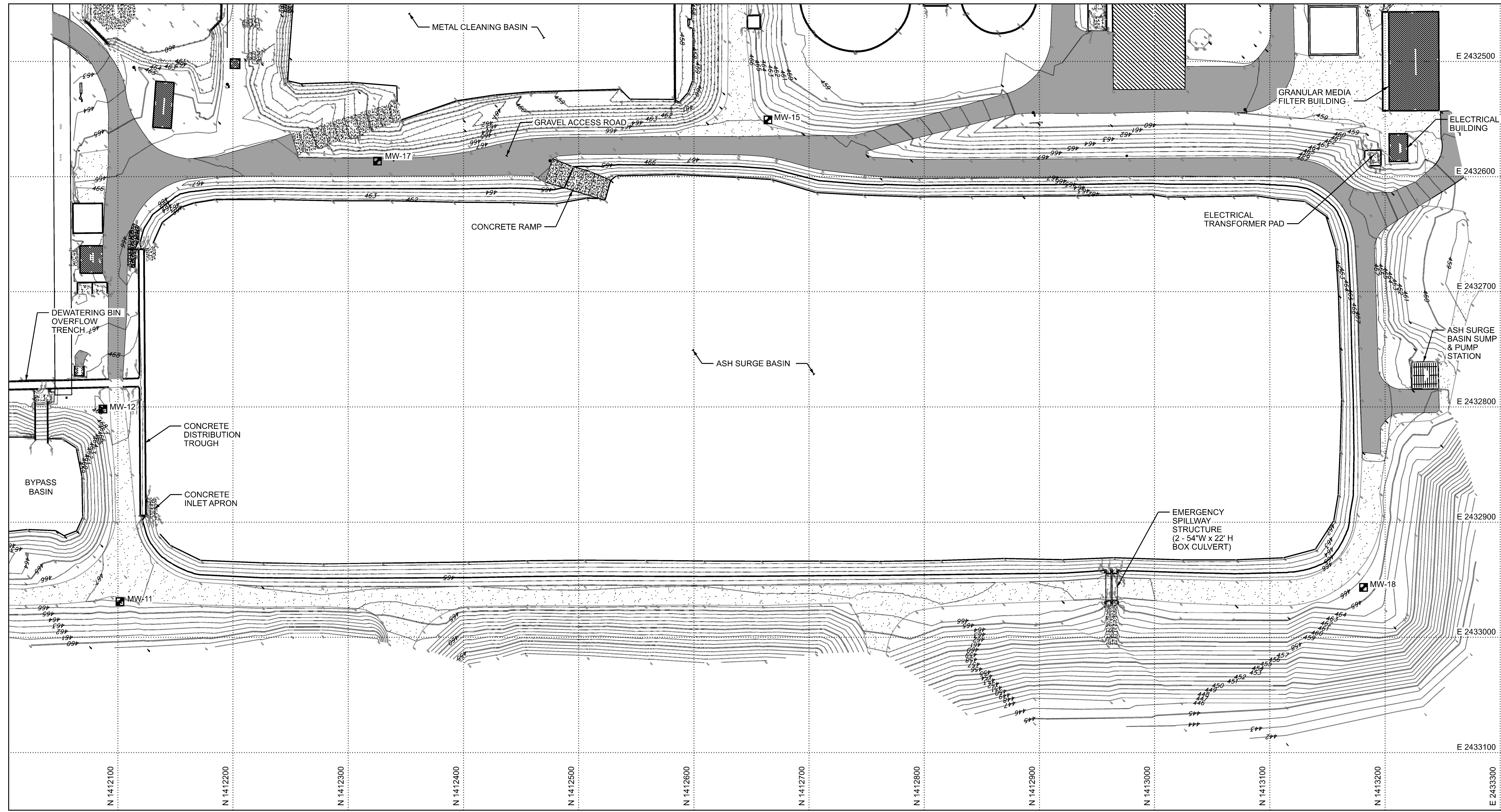
THE CONTRACTOR/INSTALLER SHALL EXERCISE DUE CAUTION DURING ALL EXCAVATION/FOUNDATION/DEMOLITION WORK.

HOLD INFORMATION		
NO.	DESCRIPTION	
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RELEASE INFORMATION		
REV.	DATE	DESCRIPTION
0A	03-21-2023	FOR CLIENT COMMENT
0B	03-24-2023	FOR PUBLIC COMMENT
ISSUE PURPOSE: PUBLIC COMMENT		
SPECIFICATION: P-1802		
PROJECT NO.: 12661-152		
CAD FILE NAME: POW-ASB-CSK-002.DGN		
PREPARED BY: M. KARNIA / J. CHAVEZ		
REVIEWED BY: T. DEHLIN		
APPROVED BY: --		
ANY MODIFICATION OR ADDITION TO THIS DRAWING BY AN ORGANIZATION OTHER THAN SARGENT & LUNDY, IS NOT THE RESPONSIBILITY OF SARGENT & LUNDY.		
 SARGENT & LUNDY ^{LLC} 55 EAST MONROE STREET CHICAGO, ILLINOIS 60603-5780		
 MWG Midwest Generation, LLC		
PROJECT		
POWERTON GENERATING STATION ASH SURGE BASIN RETROFIT		
DRAWING TITLE		
GENERAL NOTES		
DRAWING NUMBER		
POW-ASB-CSK-002		
REVISION		
0B		
SHEET 1 OF 1		

PRELIMINARY
NOT FOR CONSTRUCTION

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HOLD INFORMATION	
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0B	03-24-2023	FOR PUBLIC COMMENT

ISSUE PURPOSE: PUBLIC COMMENT
 SPECIFICATION: P-1802
 PROJECT NO.: 12661-152

CAD FILE NAME: POW-ASB-CSK-003.DGN
 PREPARED BY: M. KARNIA / J. CHAVEZ
 REVIEWED BY: T. DEHLIN
 APPROVED BY: --

ANY MODIFICATION OR ADDITION TO THIS DRAWING BY AN ORGANIZATION OTHER THAN SARGENT & LUNDY, IS NOT THE RESPONSIBILITY OF SARGENT & LUNDY.

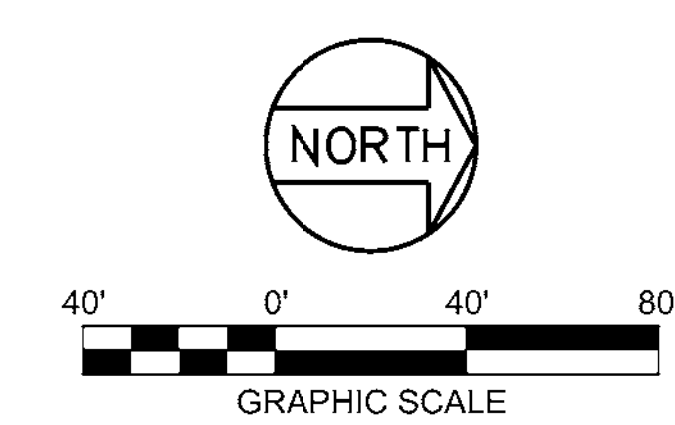


PROJECT
 POWERTON GENERATING STATION
 ASH SURGE BASIN RETROFIT

DRAWING TITLE	
EXISTING CONDITIONS	
DRAWING NUMBER	REVISION
POW-ASB-CSK-003	0B
SHEET 1 OF 1	1

NOTES	REFERENCE DRAWINGS	LEGEND
1. ALL WORK SHOWN ON THIS DRAWING SHALL BE FURNISHED AND INSTALLED BY SPECIFICATION P-1802 UNLESS NOTED OTHERWISE. 2. FOR GENERAL NOTES, ABBREVIATIONS, AND SYMBOLS, SEE DRAWING POW-ASB-CSK-002. 3. GW CONTRACTOR SHALL TAKE ADEQUATE PRECAUTIONS TO PROTECT AND AVOID DAMAGE TO THE EXISTING MONITORING WELLS. GW CONTRACTOR SHALL REPAIR ANY DAMAGE TO THE EXISTING MONITORING WELLS CAUSED BY ITS OPERATIONS AT NO ADDITIONAL COST TO THE OWNER.		■ MW-17 MONITORING WELL

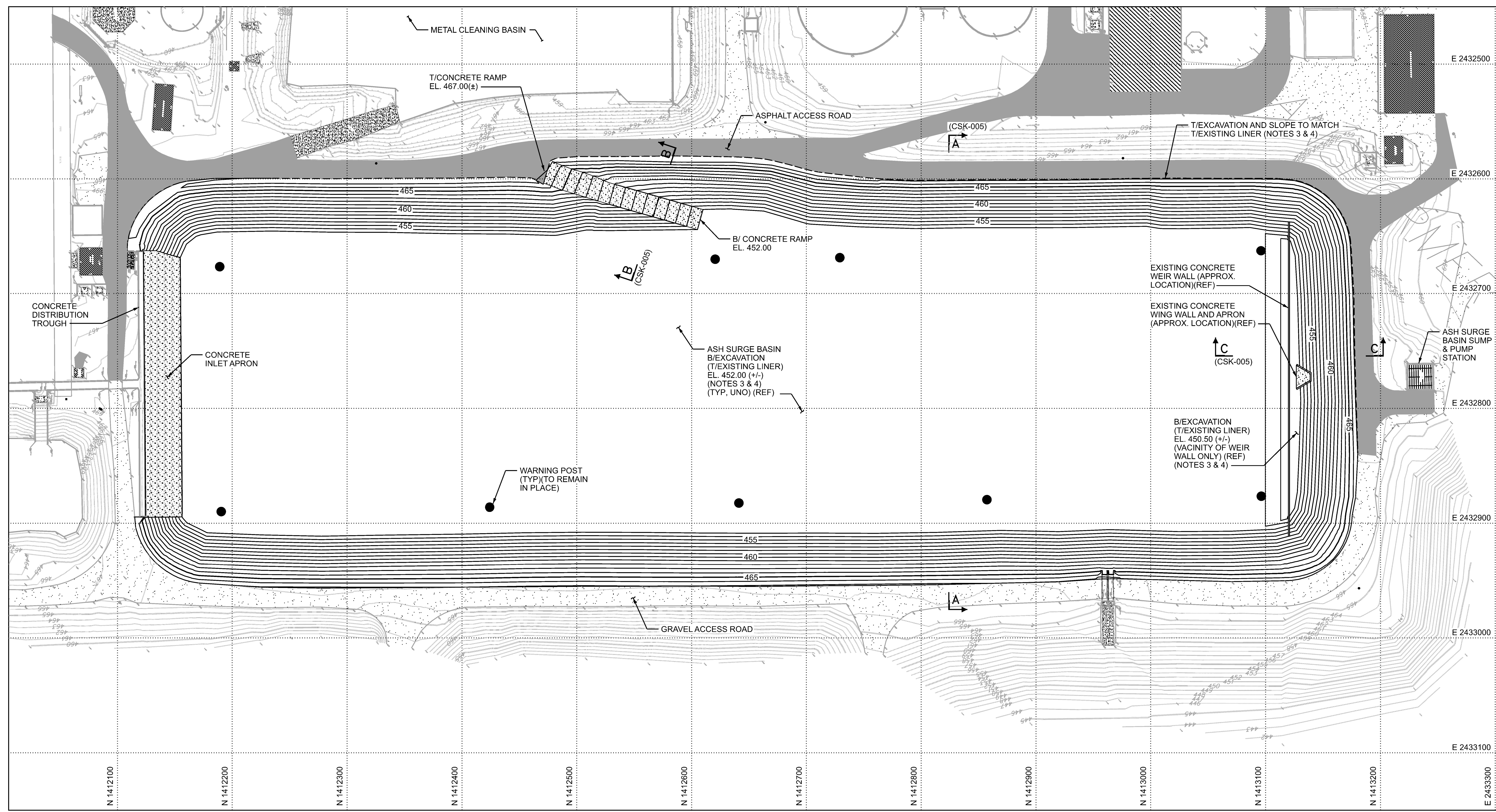
PRELIMINARY
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CONTRACTOR/INSTALLER SHALL TAKE ALL APPROPRIATE PRECAUTIONS TO ENSURE THE SAFETY OF ALL PEOPLE LOCATED ON THE WORK SITE, INCLUDING CONTRACTOR'S/INSTALLER'S PERSONNEL (OR THAT OF ITS SUBCONTRACTOR(S)) PERFORMING THE WORK.
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 Form: GDC-CAD-01-01-006_ANSI (Imperial) Microstation Border - Size E - 34 x 44
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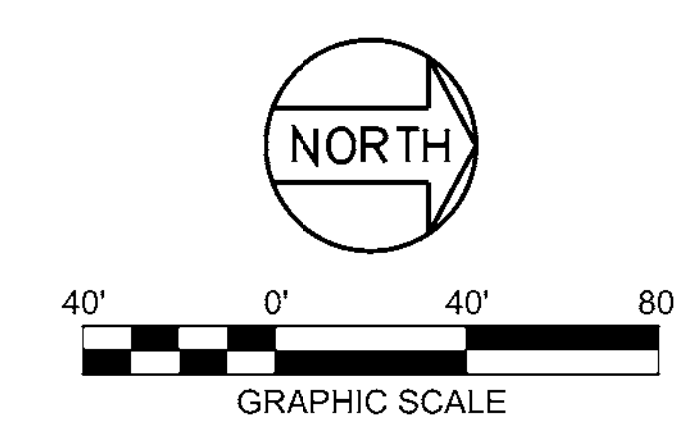


NOTES

1. ALL WORK SHOWN ON THIS DRAWING SHALL BE FURNISHED AND INSTALLED BY SPECIFICATION P-1802 UNLESS NOTED OTHERWISE.
2. FOR GENERAL NOTES, ABBREVIATIONS, AND SYMBOLS, SEE DRAWING POW-ASB-CSK-002.
3. MATERIAL REMOVAL / EXCAVATION:
 - A. ALL MATERIAL ABOVE THE EXISTING GEOMEMBRANE LINER SHALL BE REMOVED. BOTTOM-OF-EXCAVATION (I.E., TOP-OF-EXISTING LINER SURFACE) SHOWN ON THIS DRAWING IS APPROXIMATE.
 - B. DURING REMOVAL OF MATERIAL FROM THE ASH SURGE BASIN, GW CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO AVOID DAMAGING THE BASIN'S EXISTING GEOMEMBRANE LINER. GW CONTRACTOR SHALL PROVIDE ADEQUATE TEMPORARY BALLASTING AS NECESSARY TO PREVENT UPLIFT OF THE GEOMEMBRANE BY WIND BY THE USE OF SANDBAGS AND/OR OTHER MEANS WHICH WILL NOT DAMAGE THE GEOMEMBRANE. FOR ALL AREAS OF EXISTING LINER THAT ARE DAMAGED, THE GW CONTRACTOR SHALL:
 - I. TAKE APPROPRIATE MEASURES TO PREVENT ANY FLUID OR SOLID MATERIALS FROM ENTERING THE SUBGRADE BELOW THE LINER.
 - II. NOTIFY THE OWNER IMMEDIATELY.
 - III. INSPECT THE EXPOSED SOILS BELOW THE LINER TO DETERMINE WHETHER ANY FLUIDS, CCR CONSTITUENTS, OR CCR-MIXED SOILS HAVE BEEN RELEASED INTO THE BASIN SUBGRADE. IF SUCH MATERIAL HAS BEEN RELEASED INTO THE BASIN SUBGRADE, THE GW CONTRACTOR SHALL REMOVE THE IMPACTED SOILS UNTIL THE AFFECTED AREA HAS BEEN DECONTAMINATED. CONTAMINATED SOILS REMOVED FROM THE BASIN SUBGRADE SHALL BE REPLACED WITH STRUCTURAL FILL IN ACCORDANCE WITH PROJECT SPECIFICATIONS.
 - IV. REPAIR THE DAMAGED GEOMEMBRANE LINER AREA IN ACCORDANCE WITH PROJECT SPECIFICATIONS.
 - C. MATERIAL REMOVED FROM THE ASH SURGE BASIN AREA SHALL BE DISPOSED OF AS FOLLOWS:
 - I. ALL DRY WASTE SHALL BE DISPOSED OF IN AN OFF-SITE DISPOSAL FACILITY PERMITTED TO RECEIVE CCR WASTE. ALL OFF SITE TRANSPORTATION OF MATERIAL REMOVED FROM THE BYPASS BASIN SHALL BE PERFORMED IN ACCORDANCE WITH 35 ILL. ADM. CODE 845.740(C)(1).
 - II. ALL LIQUID WASTE SHALL BE DISPOSED OF IN THE BYPASS BASIN.
 - D. GW CONTRACTOR SHALL DEVELOP AND IMPLEMENT FUGITIVE DUST CONTROLS DURING MATERIAL REMOVAL FROM THE BYPASS BASIN AREA IN ACCORDANCE WITH 35 ILL. ADM. CODE 845.740(C)(2).
 - E. GW CONTRACTOR SHALL DEVELOP AND IMPLEMENT MEASURES TO PREVENT CONTAMINATION OF SURFACE WATER, GROUNDWATER, SOIL, AND SEDIMENTS DURING MATERIAL REMOVAL FROM THE ASH SURGE BASIN AREA IN ACCORDANCE WITH 35 ILL. ADM. CODE 845.740(C)(4).
 - F. AT THE END OF EACH MONTH DURING WHICH MATERIAL REMOVAL FROM THE ASH SURGE BASIN AREA, GW CONTRACTOR SHALL PREPARE A REPORT DOCUMENTING THE GW CONTRACTOR'S PROGRESS IN REMOVING CCR AND CCR-MIXED SOILS FROM THE AREA. THE MONTHLY REPORT SHALL BE PREPARED IN ACCORDANCE WITH THE RECORDKEEPING REQUIREMENTS STIPULATED IN 35 ILL. ADM. CODE 845.740(D).
4. LINER & CONCRETE DECONTAMINATION:
 - A. AFTER REMOVAL OF MATERIAL ABOVE THE EXISTING GEOMEMBRANE LINER AND REPAIR OF ANY DAMAGED AREAS, THE GW CONTRACTOR SHALL DECONTAMINATE THE LINER AND POND APPURTENANT STRUCTURES. AT A MINIMUM, THE EXPOSED GEOMEMBRANE SHALL BE PRESSURE WASHED IN A SYSTEMATIC MANNER TO REMOVE ALL CCR AND RESIDUALS OF CCR. WASH AND RINSE WATER SHALL BE COLLECTED AND DISPOSED OF IN THE BYPASS BASIN OR AS OTHERWISE DIRECTED BY THE OWNER.
 - B. AS AN AREA WITHIN THE ASH SURGE BASIN IS DECONTAMINATED, THE GW CONTRACTOR AND CQA CONTRACTOR (P-1803) SHALL VISUALLY INSPECT THE SUBJECT AREA WITH THE OWNER'S REPRESENTATIVE(S) TO ENSURE THE AREA IS NO LONGER CONTAMINATED WITH CCR CONSTITUENTS AND REMAINS COMPETENT FOR RE-USE (I.E., NO REPAIRS ARE REQUIRED).
 - C. UPON COMPLETION OF DECONTAMINATION ACTIVITIES FOR A GIVEN AREA OF EXISTING GEOMEMBRANE LINER BY THE GW CONTRACTOR, THE CQA CONTRACTOR (P-1803) SHALL:
 - I. PERFORM AN ELECTRICAL LEAK LOCATION SURVEY OVER THE DECONTAMINATED LINER AREA IN ACCORDANCE WITH ASTM D7953. IF THE SURVEY LOCATES A BREACH (HOLE, PUNCTURE, TEAR, DEFECT, ETC.) IN THE GEOMEMBRANE, THE CQA CONTRACTOR SHALL NOTIFY THE OWNER AND GW CONTRACTOR IMMEDIATELY, AND THE GW CONTRACTOR SHALL ADDRESS THE BREACH IN ACCORDANCE WITH NOTE 3.B.
 - II. CUT-OUT AND REMOVE A MINIMUM OF ONE SAMPLE PER ACRE OF THE DECONTAMINATED GEOMEMBRANE LINER. THE GW CONTRACTOR SHALL REPAIR THE GEOMEMBRANE LINER AT ALL SAMPLE LOCATIONS IN ACCORDANCE WITH PROJECT SPECIFICATIONS.
 - III. ALL SAMPLES SHALL BE ANALYZED BY A CERTIFIED LABORATORY IN ACCORDANCE WITH EPA SW-846 TEST METHOD 1311: TOXICITY CHARACTERISTIC LEACHING PROCEDURE. IF THE CONCENTRATIONS OF CCR CONSTITUENTS MEASURED BY THIS TEST METHOD MEET THE GROUNDWATER PROTECTION STANDARDS SPECIFIED IN THE OPERATING PERMIT ISSUED BY THE ILLINOIS EPA FOR THE ASH SURGE BASIN, THEN THE AREA OF EXISTING GEOMEMBRANE LINER REPRESENTED BY THAT SAMPLE IS CONSIDERED TO BE DECONTAMINATED. OTHERWISE, THAT AREA OF EXISTING GEOMEMBRANE LINER IS NOT CONSIDERED TO BE DECONTAMINATED.
 - D. GW CONTRACTOR SHALL RECLEAN ANY AREAS THAT ANALYTICAL TESTING INDICATES ARE NOT DECONTAMINATED (I.E., ANALYTICAL TESTING OF A COLLECTED SAMPLE DETECTS AT LEAST ONE CCR CONSTITUENT EXCEEDS THE CONSTITUENT'S GROUNDWATER PROTECTION STANDARD LISTED IN THE OPERATING PERMIT ISSUED BY THE ILLINOIS EPA FOR THE ASH SURGE BASIN). AFTER RECLEANING A GIVEN AREA, THE CQA CONTRACTOR (P-1803) SHALL COLLECT AND TEST ONE ADDITIONAL SAMPLE FROM THE AREA PER NOTE 4.C.
 - E. LINER DECONTAMINATION IS CONSIDERED COMPLETE WHEN ALL COLLECTED LINER SAMPLES MEET THE DECONTAMINATION CRITERIA IN NOTE 4.C.III.

REFERENCE DRAWINGS

CSK-005	EXCAVATION SECTIONS & DETAILS
D21132C020-03	ASH SURGE BASIN LINER REPLACEMENT LINER SUBGRADE PREPARATION



PRELIMINARY
NOT FOR CONSTRUCTION

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HOLD INFORMATION	
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RELEASE INFORMATION		
REV.	DATE	DESCRIPTION
0A	03-21-2023	FOR CLIENT COMMENT
0B	03-24-2023	FOR PUBLIC COMMENT

ISSUE PURPOSE: PUBLIC COMMENT
SPECIFICATION: P-1802
PROJECT NO.: 12661-152

CAD FILE NAME: POW-ASB-CSK-004.DGN
PREPARED BY: M. KARNIA / J. CHAVEZ
REVIEWED BY: T. DEHLIN
APPROVED BY: --

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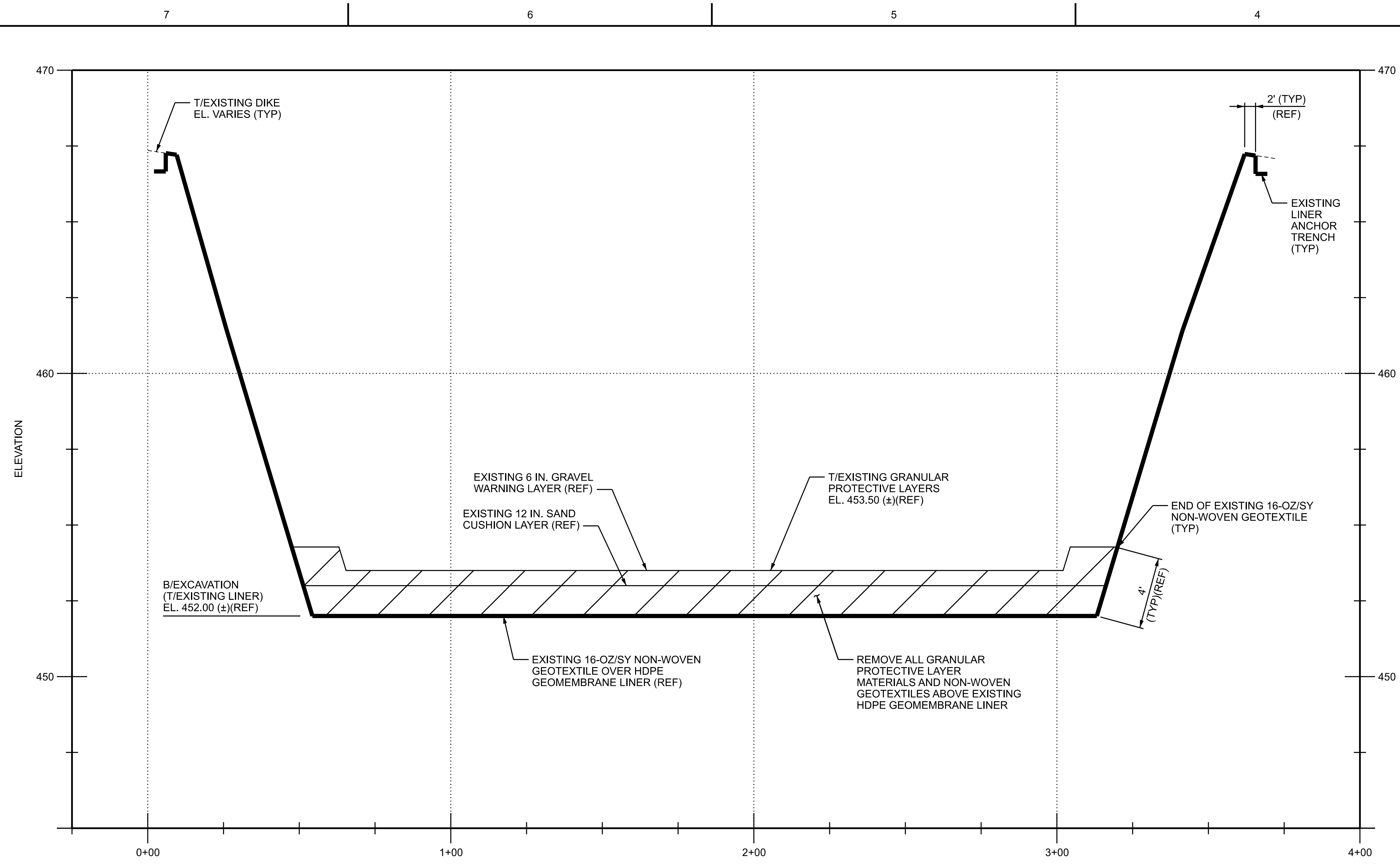


PROJECT
**POWERTON
GENERATING STATION
ASH SURGE BASIN RETROFIT**

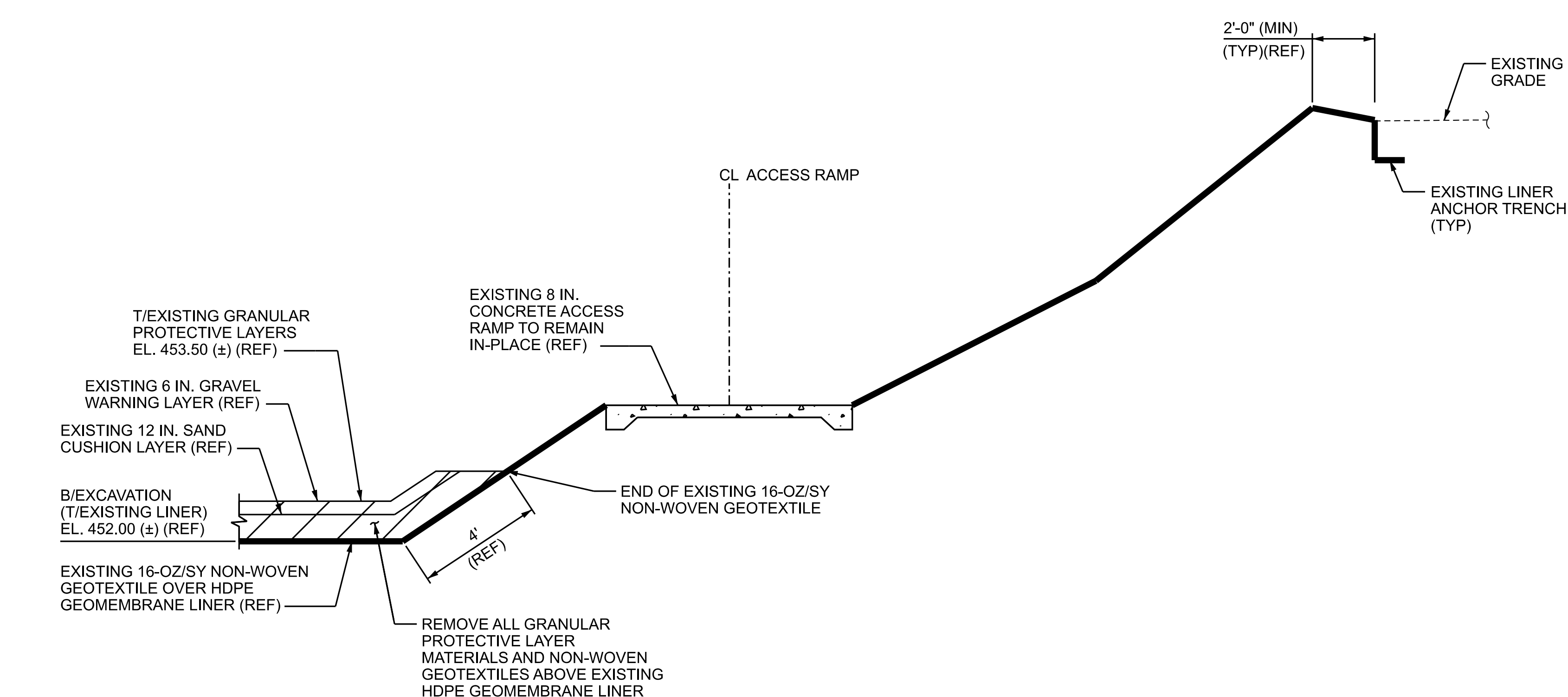
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DRAWING NUMBER	REVISION
POW-ASB-CSK-004	0B
SHEET 1 OF 1	1

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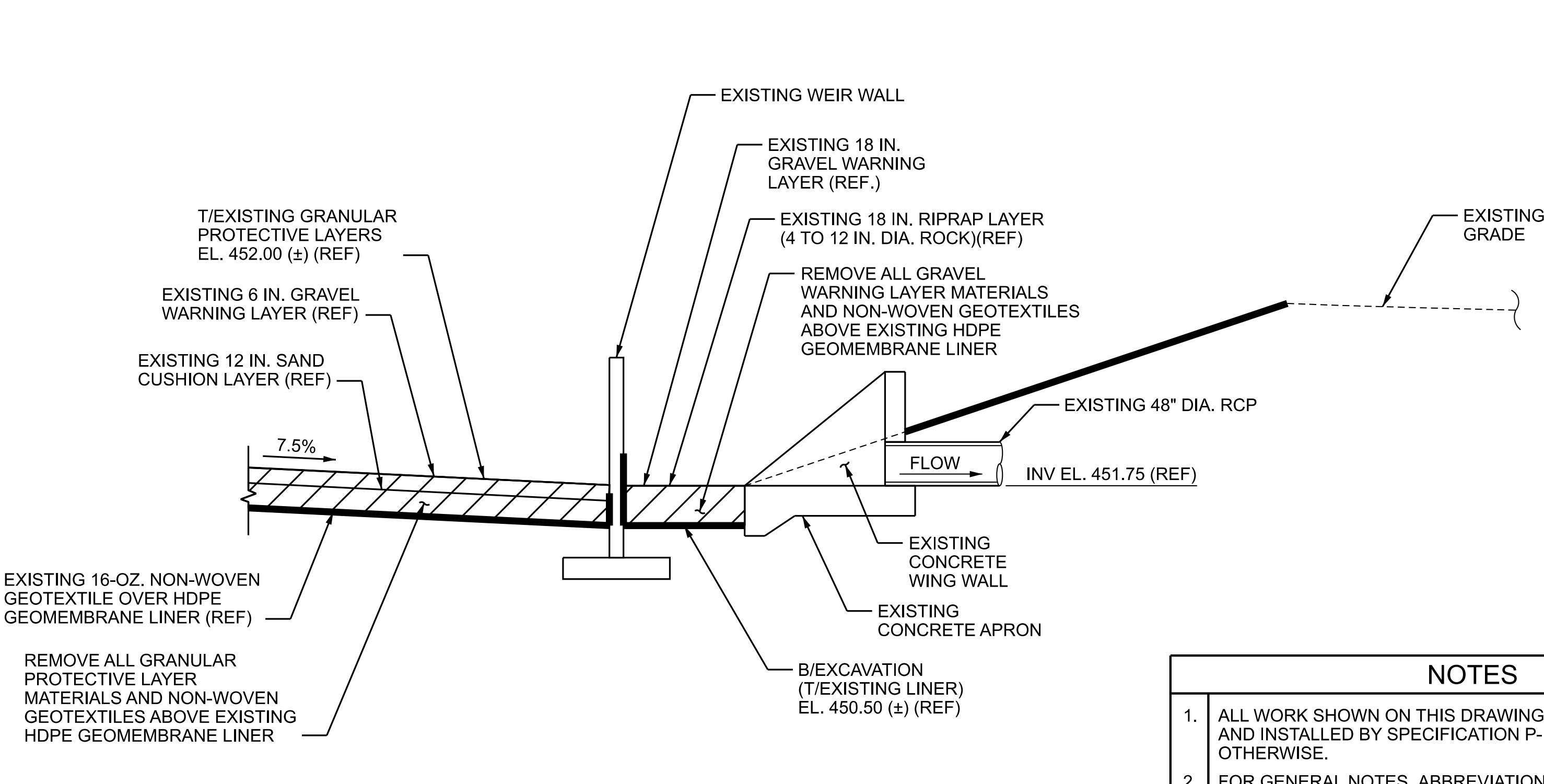
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POW-ASB-CSK-004.dgn



SECTION A
HORIZONTAL SCALE: 1"=20'
VERTICAL SCALE: 1"=2'
(CSK-004)



SECTION B
SCALE: N.T.S.
(CSK-004)



SECTION C
SCALE: N.T.S.
(CSK-004)

- NOTES**
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 - FOR GENERAL NOTES, ABBREVIATIONS, AND SYMBOLS, SEE DRAWING POW-ASB-CSK-002.

REFERENCE DRAWINGS

CSK-004	ASH SURGE BASIN EXCAVATION PLAN
D211320C31-03	ASH SURGE BASIN LINER REPLACEMENT DETAILS AND SECTIONS
D211320C32-04	ASH SURGE BASIN LINER REPLACEMENT DETAILS AND SECTIONS
3B-0-2093	WASTE WATER TREATMENT FACILITY WING WALL PLANS, SECTIONS & DETAILS

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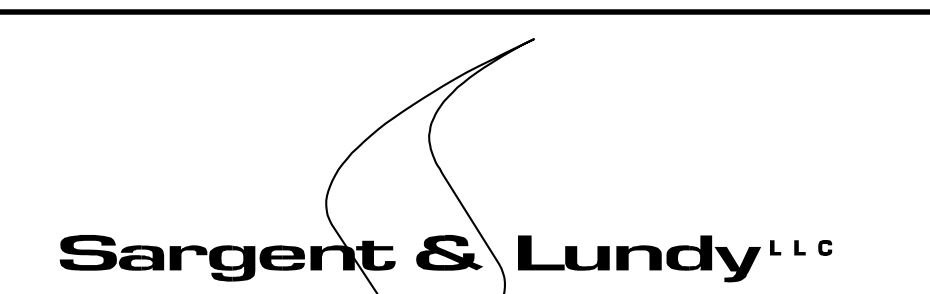
THE CONTRACTOR/INSTALLER SHALL EXERCISE DUE CAUTION DURING ALL EXCAVATION/FOUNDATION/DEMOLITION WORK.

PRELIMINARY
NOT FOR CONSTRUCTION

HOLD INFORMATION		
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REV.	DATE	DESCRIPTION
0A	03-21-2023	FOR CLIENT COMMENT
0B	03-24-2023	FOR PUBLIC COMMENT
ISSUE PURPOSE: PUBLIC COMMENT		
SPECIFICATION: P-1802		
PROJECT NO.: 12661-152		

CAD FILE NAME: POW-ASB-CSK-005.DGN
PREPARED BY: M. KARNIA / J. CHAVEZ
REVIEWED BY: T. DEHLIN
APPROVED BY: -

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SARGENT & LUNDY^{LLC}
55 EAST MONROE STREET
CHICAGO, ILLINOIS 60603-5780

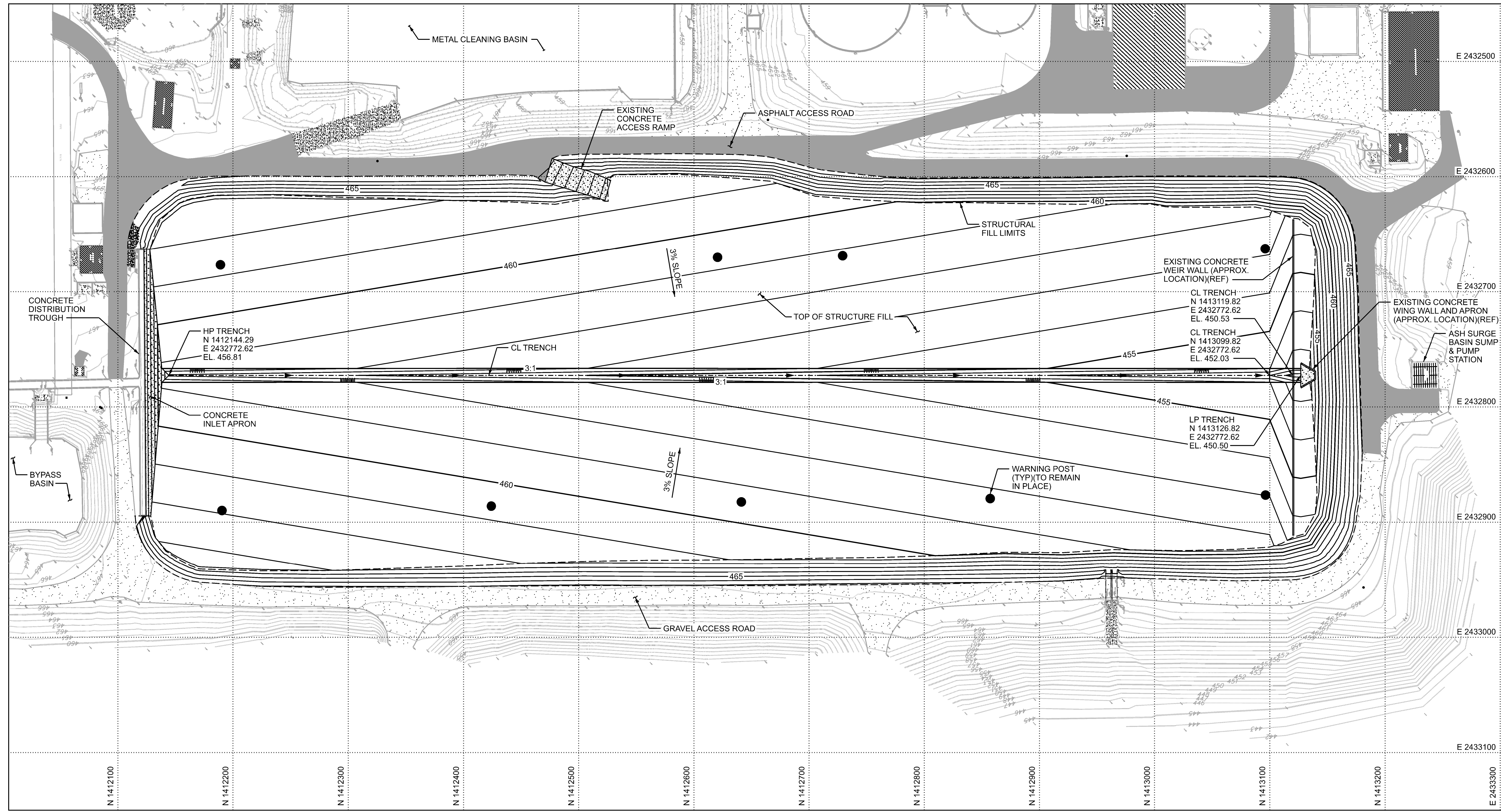
MWG
Midwest Generation, LLC

PROJECT
**POWERTON
GENERATING STATION
ASH SURGE BASIN RETROFIT**

DRAWING TITLE EXCAVATION SECTIONS & DETAILS	
DRAWING NUMBER POW-ASB-CSK-005	REVISION 0B
SHEET 1 OF 1	

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Revision: 11A, Revision Date: 04-30-2010

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HOLD INFORMATION	
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0A	03-21-2023	FOR CLIENT COMMENT
0B	03-24-2023	FOR PUBLIC COMMENT

ISSUE PURPOSE: PUBLIC COMMENT
 SPECIFICATION: P-1802
 PROJECT NO.: 12661-152

CAD FILE NAME: POW-ASB-CSK-006.DGN
 PREPARED BY: M. KARNIA / J. CHAVEZ
 REVIEWED BY: T. DEHLIN
 APPROVED BY: -

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PROJECT
**POWERTON
 GENERATING STATION
 ASH SURGE BASIN RETROFIT**

DRAWING TITLE	
STRUCTURAL FILL GRADING PLAN	
DRAWING NUMBER	REVISION
POW-ASB-CSK-006	0B
SHEET 1 OF 1	

LEGEND	
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— 459 —	MINOR CONTOUR

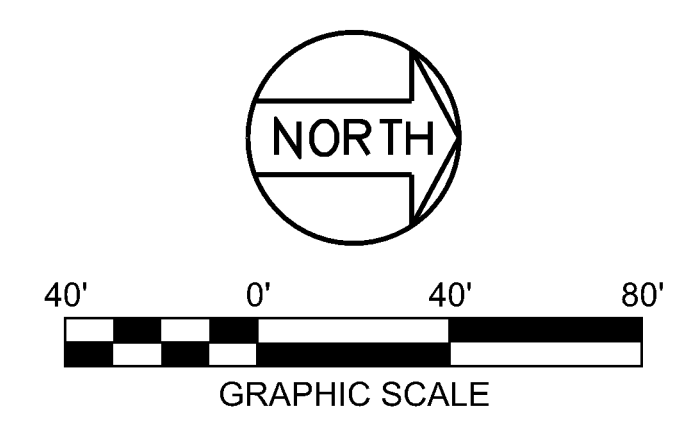
- NOTES**
- ALL WORK SHOWN ON THIS DRAWING SHALL BE FURNISHED AND INSTALLED BY SPECIFICATION P-1802 UNLESS NOTED OTHERWISE.
 - FOR GENERAL NOTES, ABBREVIATIONS, AND SYMBOLS, SEE DRAWING POW-ASB-CSK-002.

REFERENCE DRAWINGS	
CSK-004	EXCAVATION PLAN

CONTRACTOR/INSTALLER SHALL TAKE ALL APPROPRIATE PRECAUTIONS TO ENSURE THE SAFETY OF ALL PEOPLE LOCATED ON THE WORK SITE, INCLUDING CONTRACTOR'S/INSTALLER'S PERSONNEL (OR THAT OF ITS SUBCONTRACTOR(S)) PERFORMING THE WORK.

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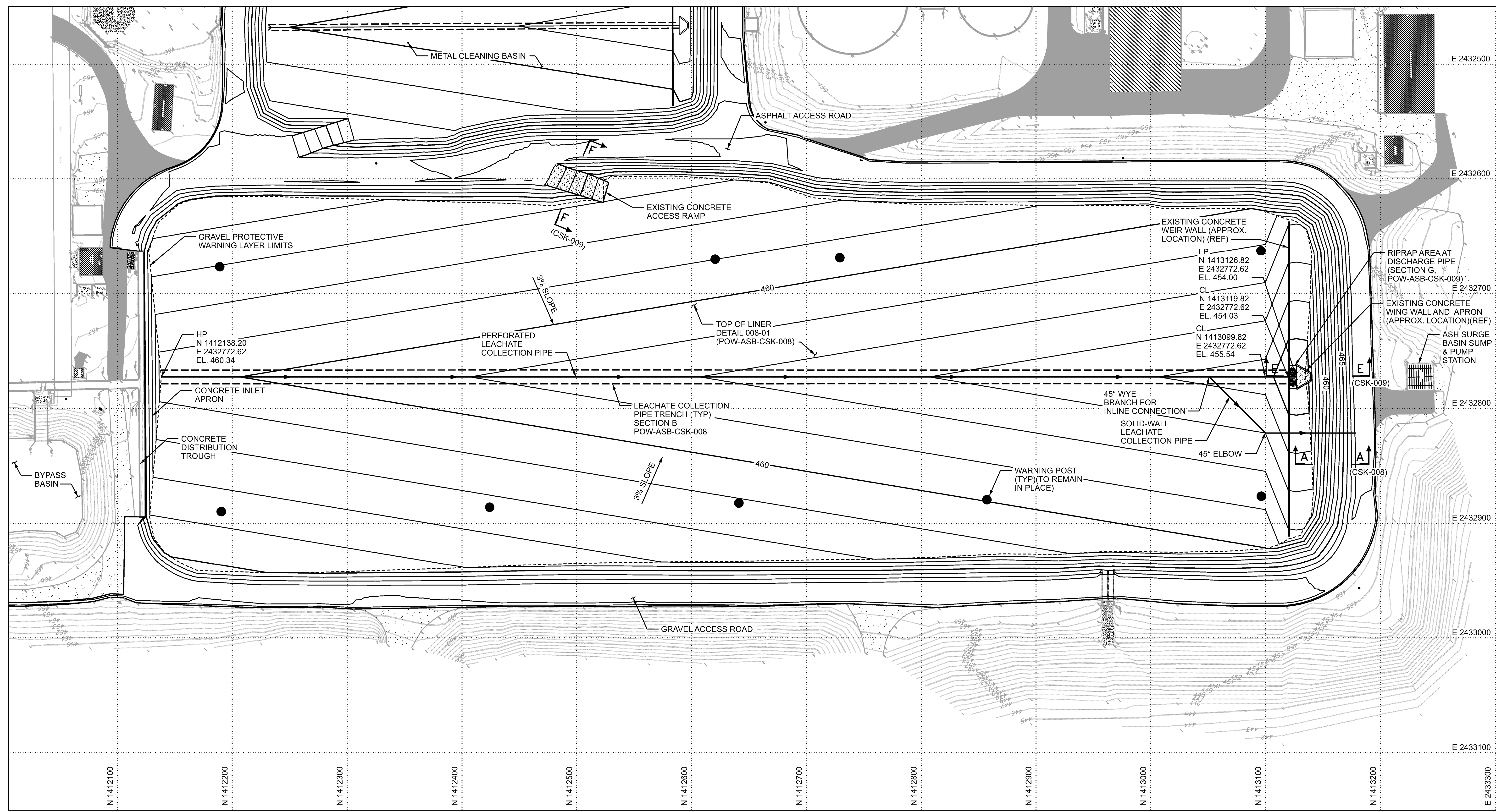
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 Revision: 11A, Revision Date: 04-30-2010

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HOLD INFORMATION	
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0A	03-21-2023	FOR CLIENT COMMENT
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ISSUE PURPOSE: PUBLIC COMMENT
 SPECIFICATION: P-1802
 PROJECT NO.: 12661-152

CAD FILE NAME: POW-ASB-CSK-006.DGN
 PREPARED BY: M. KARNIA / J. CHAVEZ
 REVIEWED BY: T. DEHLIN
 APPROVED BY: -

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PROJECT
 POWERTON GENERATING STATION
 ASH SURGE BASIN RETROFIT

DRAWING TITLE	
COMPOSITE LINER & LEACHATE COLLECTION SYSTEM PLAN	
DRAWING NUMBER	REVISION
POW-ASB-CSK-007	0B
SHEET 1 OF 1	

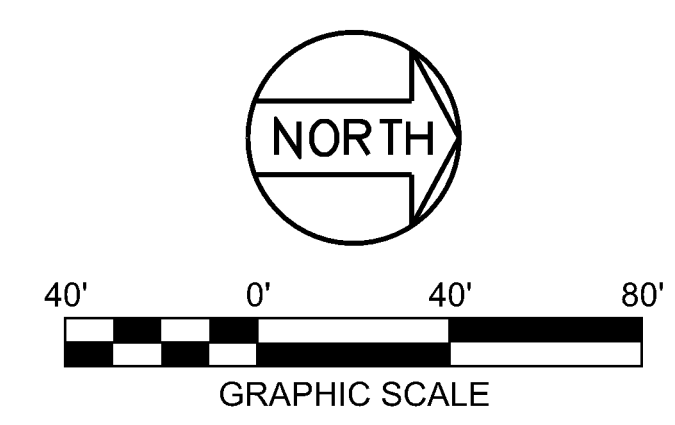
LEGEND	
— 460 —	MAJOR CONTOUR
— 459 —	MINOR CONTOUR

- NOTES**
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REFERENCE DRAWINGS

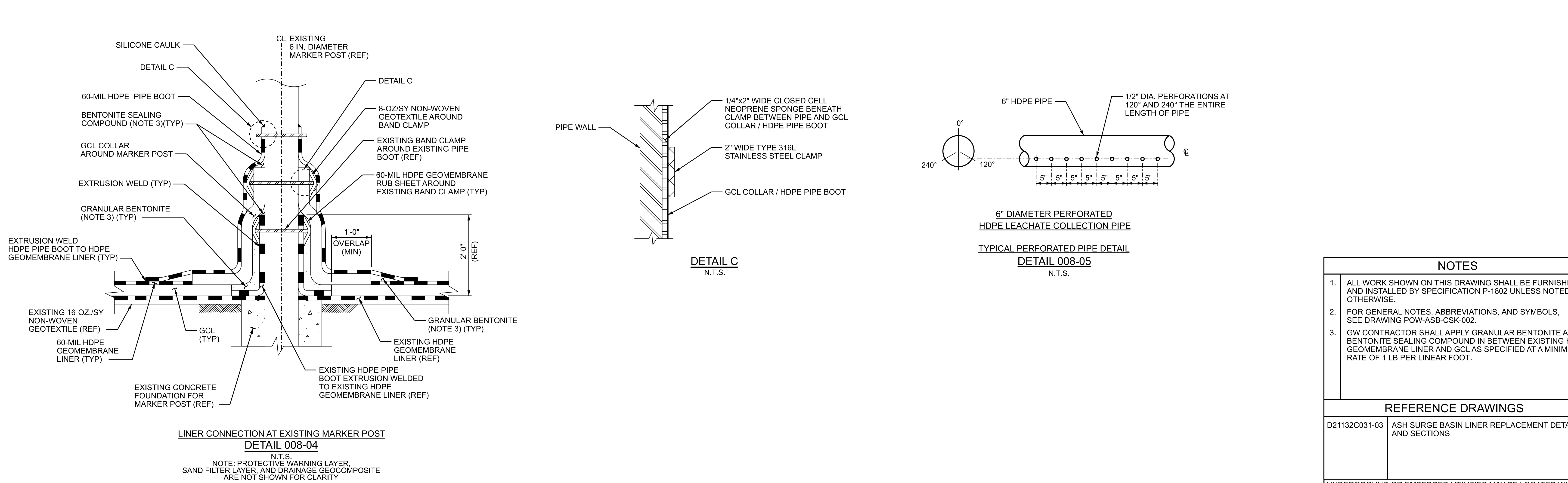
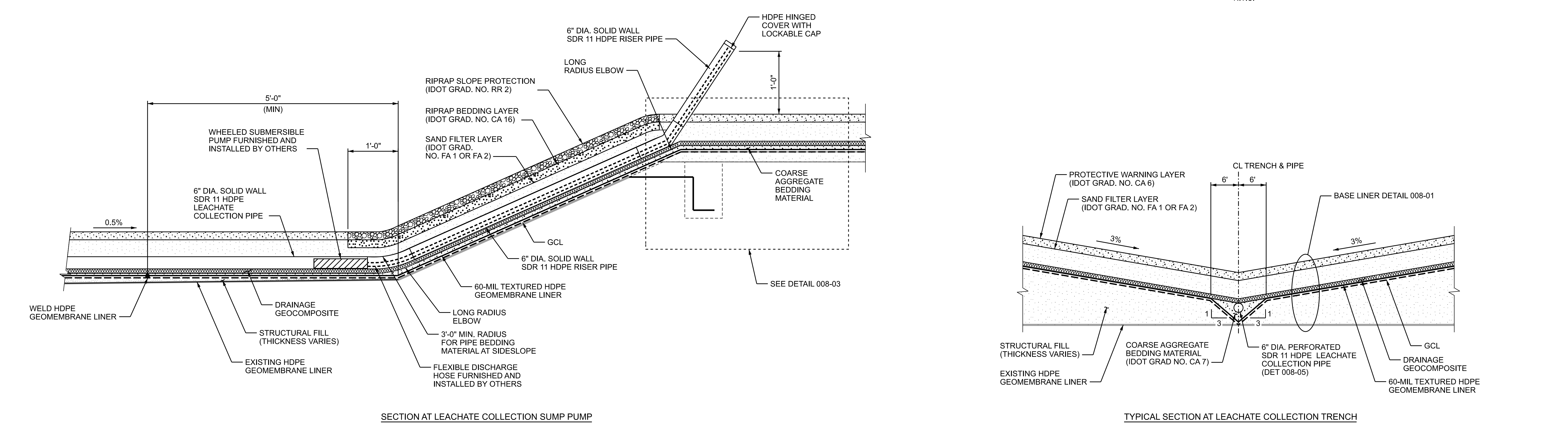
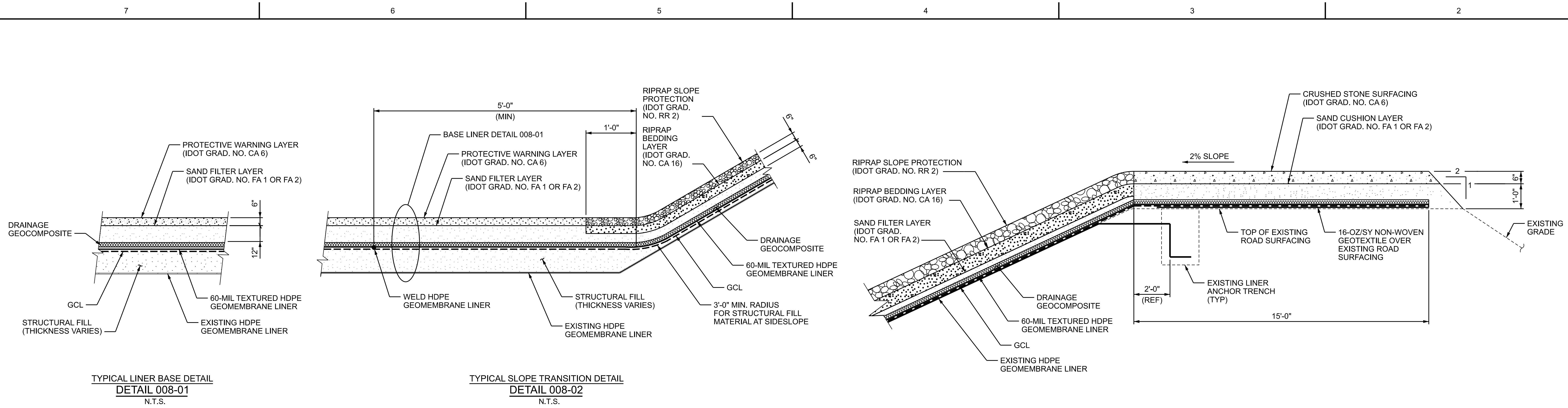
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0A	03-21-2023	FOR CLIENT COMMENT
0B	03-24-2023	FOR PUBLIC COMMENT
ISSUE PURPOSE: PUBLIC COMMENT		
SPECIFICATION: P-1802		
PROJECT NO.: 12661-152		
CAD FILE NAME: POW-ASB-CSK-008.DGN		
PREPARED BY: M. KARNIA / J. CHAVEZ		
REVIEWED BY: T. DEHLIN		
APPROVED BY: -		
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<p>SARGENT & LUNDY^{LLC} 55 EAST MONROE STREET CHICAGO, ILLINOIS 60603-5780</p>		
PROJECT		POWERTON GENERATING STATION ASH SURGE BASIN RETROFIT
DRAWING TITLE		COMPOSITE LINER & LEACHATE COLLECTION SYSTEM SECTIONS & DETAILS - SHEET 1
DRAWING NUMBER	REVISION	
POW-ASB-CSK-008	0B	
SHEET 1 OF 1		

NOTES

- ALL WORK SHOWN ON THIS DRAWING SHALL BE FURNISHED AND INSTALLED BY SPECIFICATION P-1802 UNLESS NOTED OTHERWISE.
- FOR GENERAL NOTES, ABBREVIATIONS, AND SYMBOLS, SEE DRAWING POW-ASB-CSK-002.
- GW CONTRACTOR SHALL APPLY GRANULAR BENTONITE AND BENTONITE SEALING COMPOUND IN BETWEEN EXISTING HDPE GEOMEMBRANE LINER AND GCL AS SPECIFIED AT A MINIMUM RATE OF 1 LB PER LINEAR FOOT.

REFERENCE DRAWINGS

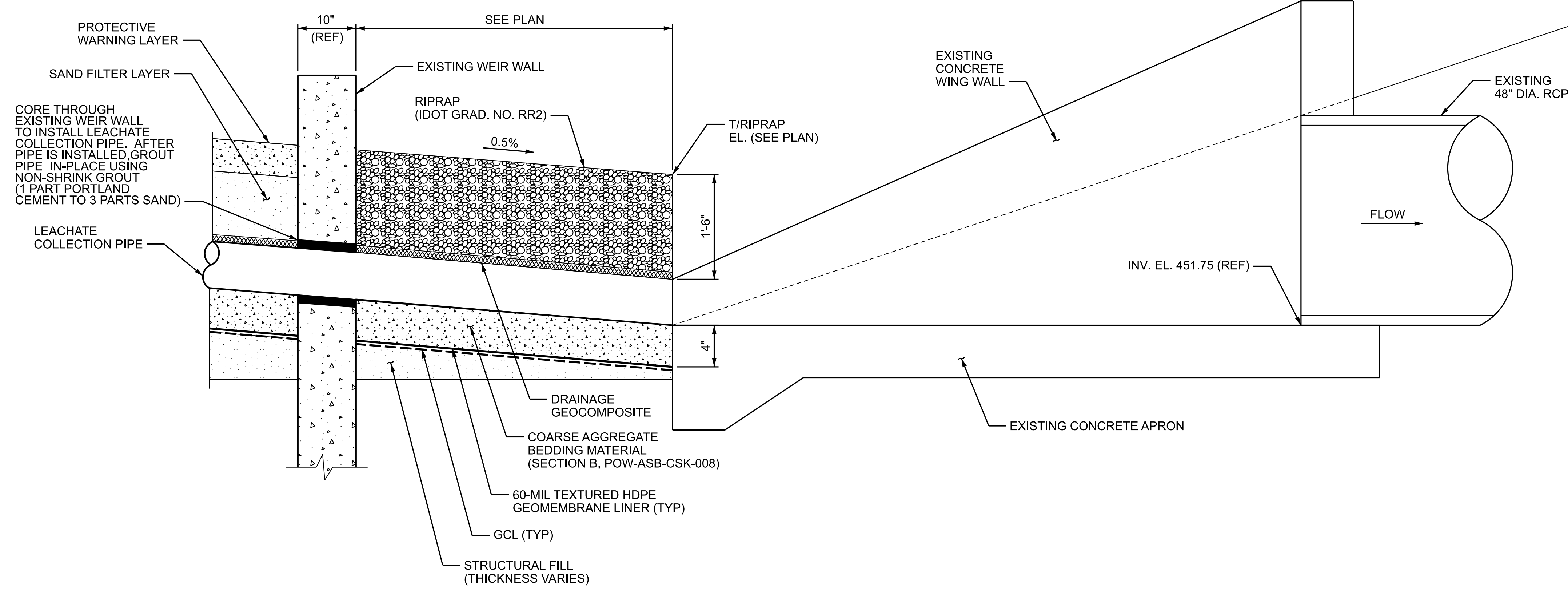
D21132C031-03	ASH SURGE BASIN LINER REPLACEMENT DETAILS AND SECTIONS
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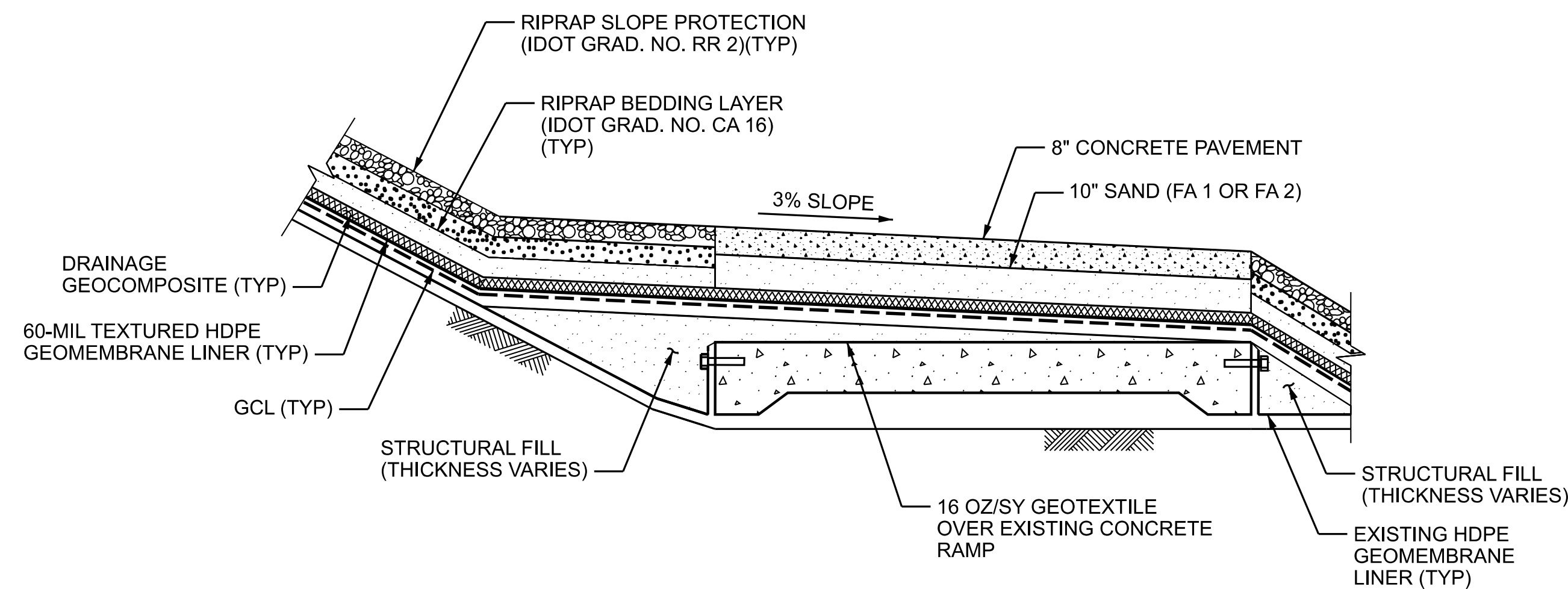
**PRELIMINARY
NOT FOR CONSTRUCTION**

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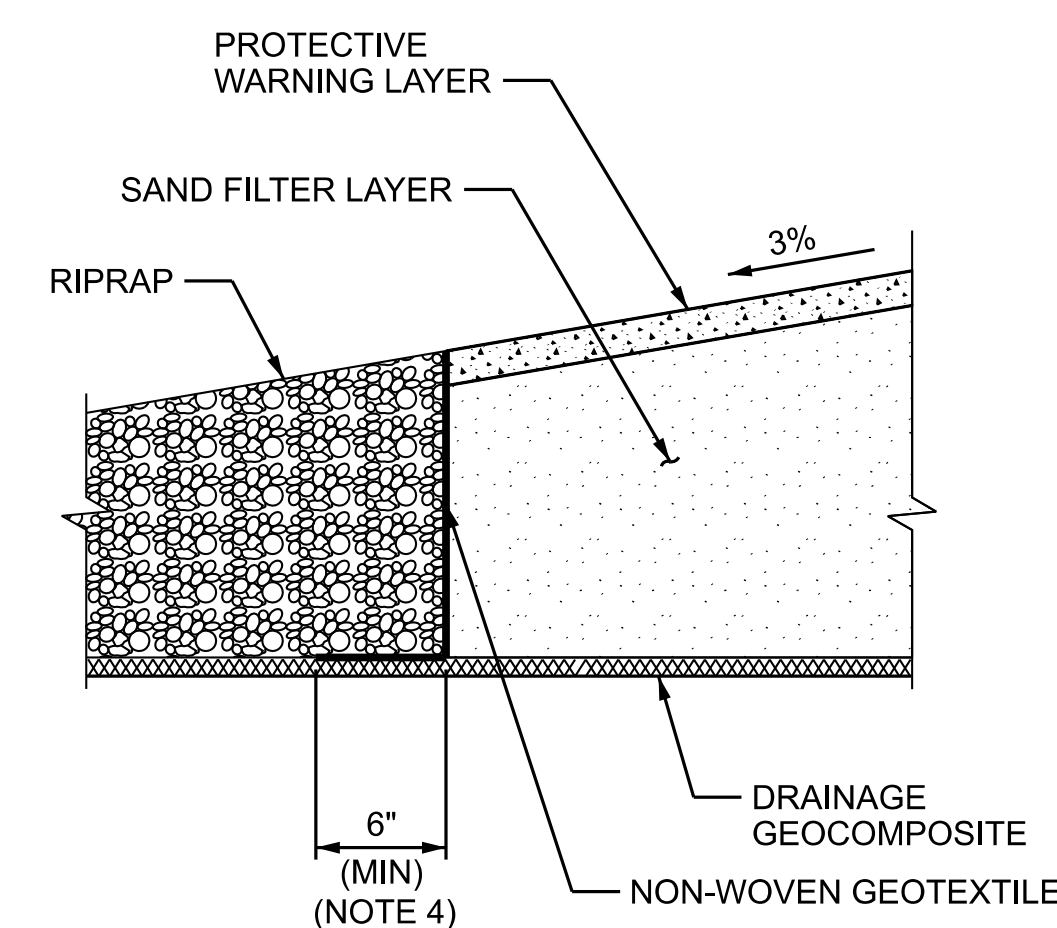
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SECTION E
N.T.S.



CONCRETE RAMP SECTION
SECTION F
N.T.S.



SECTION G
N.T.S.

- NOTES**
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 - NON-WOVEN GEOTEXTILE SHALL BE CONTINUOUSLY SEWN OR HEAT-BONDED TO GEOTEXTILE CAP OF UNDERLYING DRAINAGE GEOCOMPOSITE IN ACCORDANCE WITH GEOTEXTILE MANUFACTURER'S RECOMMENDATIONS.

REFERENCE DRAWINGS

D21132C031-03	ASH SURGE BASIN LINER REPLACEMENT DETAILS AND SECTIONS
3B-0-2093	WASTE WATER TREATMENT FACILITY WING WALL PLANS, SECTIONS & DETAILS

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ISSUE PURPOSE: PUBLIC COMMENT
SPECIFICATION: P-1802
PROJECT NO.: 12661-152

CAD FILE NAME: POW-ASB-CSK-009.DGN
PREPARED BY: M. KARNIA / J. CHAVEZ
REVIEWED BY: T. DEHLIN
APPROVED BY: -

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PROJECT
**POWERTON
GENERATING STATION
ASH SURGE BASIN RETROFIT**

DRAWING TITLE
**COMPOSITE LINER & LEACHATE
COLLECTION SYSTEM
SECTIONS & DETAILS - SHEET 2**

DRAWING NUMBER	REVISION
POW-ASB-CSK-009	0B
SHEET 1 OF 1	

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