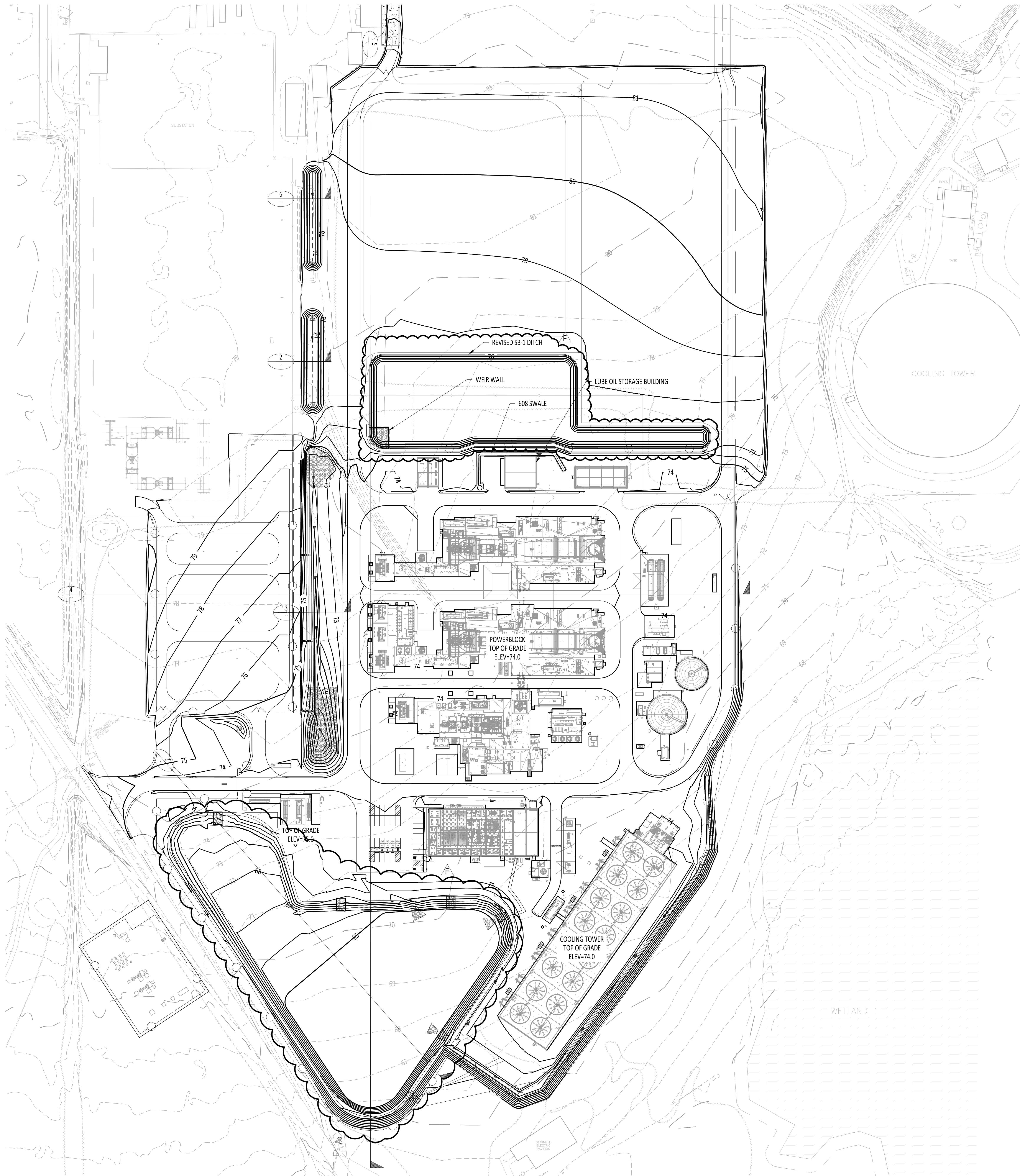




- NOTES:
1. REFER TO PLOT PLAN (PP-001) FOR EQUIPMENT LAYOUT.
 2. SEE P0015690-CS-001 FOR SITE SURFACING PLAN.
 3. SEE P0015690-CW-001 FOR STORM WATER PLAN.
 4. ALL ELEVATIONS SHOWN ON THIS SHEET IN FEET, AND ARE BASED ON NAVD 88 DATUM.
 5. REFER TO SHEET CD-001 FOR STORM WATER STRUCTURE DETAILS.
 6. TOP OF CONCRETE ELEVATION (FOR ALL STRUCTURES)=74.50, AND ADJACENT GRADE ELEVATION=74.00.

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F	RE-ISSUED FOR PERMIT - UPDATED			
	C. LAUGHLIN	A. LAMMERS	C. LAUGHLIN	10-20-22
E	RE-ISSUED FOR PERMIT - UPDATED			
	R. PILES	F. SMOCKS	R. PILES	12-18-20
D	RE-ISSUED FOR PERMIT - UPDATED			
	A. PITCHFORD	F. SMOCKS	A. GHOSH	03-26-20
C	RE-ISSUED FOR PERMIT - UPDATED			
	A. PITCHFORD	F. SMOCKS	A. GHOSH	07-17-19
B	RE-ISSUED FOR PERMIT - UPDATED			
	A. GHOSH	D. LEWIS	A. GHOSH	06-26-19
A	ISSUED FOR BID PERMIT			
	D. LEWIS	D. LEWIS	T. POSSON	11-30-16
REV	DESIGN BY	DRAWN BY	CHECKED BY	DATE

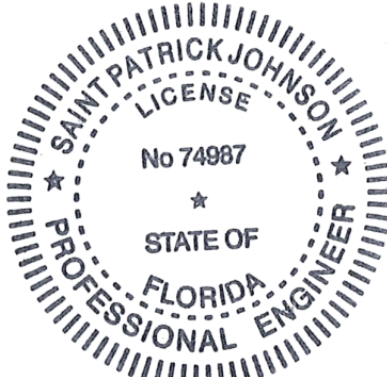


SEMINOLE ELECTRIC COOPERATIVE INC.

P2021 COMBINED CYCLE PROJECT



Kiewit Power
9401 Renner Boulevard
Lenexa, Kansas 66219



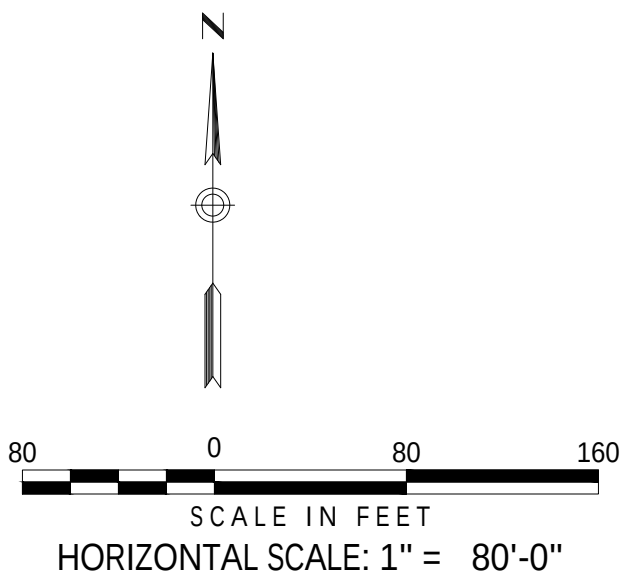
Saint P. Johnson Jr.

OVERALL GRADING PLAN
POST DEVELOPMENT

ENGINEER/DESIGN
ORIGINATOR D. LEWIS
LEAD ENG T. POSSON
ENG MGR F. BUSCH
PROJ MGR C. ANDERSON

DRAWING NUMBER

P0015690-CIV_CG-001



Operational Phase Site Acreage & Surfacing							
Sub Basin	Total Area		Pervious (acres)	Semi-Impervious - Gravel (acres)	Impervious - Road & Sidewalk (acres)	Impervious - Building (acres)	Impervious - Water Surface (Acres)
	(Acres)	(% Impervious/Semi-Impervious)					
SB-1^	18.31	72%	5.07	0.00	10.91	0.22	2.11
SB-2	4.05	89%	0.43	2.77	0.20	0.00	0.65
SB-3	5.89	100%	0.00	2.51	1.46	1.92	0.00
SB-4	4.10	42%	2.37	0.55	0.71	0.47	0.00
SB-5	12.57	56%	5.52	1.06	1.18	0.71	4.10
SB-6**	0.83	100%	0.00	0.00	0.83	0.00	0.00
Total Site	44.92	70%	13.39	6.89	14.46	3.32	6.86
OSB-1*	5.63	95%	0.28	0.00	5.35	0.00	0.00
Total Basin	50.55	73%	13.67	6.89	19.81	3.32	6.86
OSB-1 is an offsite basin that contributes to the onsite stormwater system. It is outside of the limits of disturbance. The surfacing is unchanged from pre-development conditions.							
SB-6 is the Fuel Gas Area on the southwest side of South Electric Avenue and will not drain to the pond and has therefore been excluded in the total site area calculation.							
^9.07 acres of gravel laydown in SB-1 is expected to be compacted at 95% or greater and is assumed to be impervious.^							

RETENTION POND (P-1) STAGE - STORAGE DATA						
ELEV. RANGE		CONTOUR AREA		INCREMENT		TOTAL
		AC	CF	AC-FT	CF	AC-FT
65.00		2.20				
	66.00	2.51	102,518	2.35	102,518	2.35
66.00						
	67.00	2.86	116,853	2.68	219,371	5.04
67.00						
	68.00	3.20	131,866	3.03	351,237	8.06
68.00						
	69.00	3.56	147,177	3.38	498,414	11.44
69.00						
	70.00	3.85	161,432	3.71	659,846	15.15
70.00						
WEIR EL	70.00					
TOP OF BANK	71.00	4.07	172,510	3.96	832,356	19.11

NOTES

- ELEVATIONS ARE REPORTED AS NAVD88, AND IN FEET.
- TOP OF CONCRETE/FINISHED FLOOR ELEVATION IS 74.50 NAVD 88. UNLESS NOTED OTHERWISE.
- WETLANDS SHOWN ON THESE DRAWINGS ARE FOR REFERENCE ONLY.
- ALL AREAS WITHIN LOOP ROAD OF EQUIPMENT AND BUILDING AREAS TO BE AGGREGATE SURFACED. ALL OTHER AREAS NOT INDICATED WITH SURFACING SHALL BE SEEDED/SODDED WITH BAHIA.
- ENERGY DISSIPATERS TO BE DESIGNED BY EPC CONTRACTOR TO NON-ERODIBLE DISCHARGE VELOCITIES.
- TEMPORARY CRAFT PARKING AND LAYDOWN AREAS WILL BE AGGREGATE SURFACED DURING CONSTRUCTION AND WILL BE RESTORED TO A PRE-DEVELOPMENT CONDITION (GRASS/AGGREGATE) OR GRASS SURFACE (AS SHOWN ON THIS PLAN) AFTER CONSTRUCTION.
- TEMPORARY VISUAL BARRIER SYSTEM SHALL BE FURNISHED AND INSTALLED BY CONTRACTOR TO PROTECT THE FLORIDA OUTSTANDING WETLANDS AS REQUIRED BY THE SITE CERTIFICATION APPLICATION.
- AT THE END OF CONSTRUCTION THE CONTRACTOR SHALL REMOVE ALL SEDIMENT BUILDUP FROM THE STORMWATER RETENTION POND. IN ADDITION, THE CONTRACTOR SHALL TEST THE POND TO CONFIRM THE FINAL INFILTRATION RATE.

LEGEND

SB-X	STORM WATER SUB BASIN AREA
---	WETLAND BUFFER
○	CHAIN LINK FENCE
×	EXISTING FENCE
→	DITCH FLOW INDICATOR
---	DRAINAGE AREA BOUNDARY
ASPHALT	
GRASS	
GRAVEL	
WETLANDS	
HAUL ROAD	

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D	RE-ISSUED FOR PERMIT - UPDATED	R. PILES	F. SMOCKS	R. PILES	12-18-20
C	RE-ISSUED FOR PERMIT - UPDATED	A. PITCHFORD	F. SMOCKS	A. GHOSH	03-26-20
B	RE-ISSUED FOR PERMIT - NO CHANGES	A. GHOSH	D. LEWIS	A. GHOSH	06-26-19
A	ISSUED FOR BID PERMIT	A. ROSS	A. ROSS	T. POSSON	06-03-19
REV	DESIGN BY		DRAWN BY	CHECKED BY	DATE

SEMINOLE ELECTRIC COOPERATIVE INC.

P2021 COMBINED CYCLE PROJECT

Kiewit

Kiewit Power
9401 Retner Boulevard
Lenexa, Kansas 66219

Saint Patrick Johnson
No 74987
FLORIDA
PROFESSIONAL ENGINEER

POST - DEVELOPMENT
PERMANENT FACILITIES PLAN

ENGINEER/DESIGN
ORIGINATOR
LEAD ENG
ENG MGR
PROJ MGR

D. LEWIS
T. POSSON
F. BUSCH
C. ANDERSON

DRAWING NUMBER

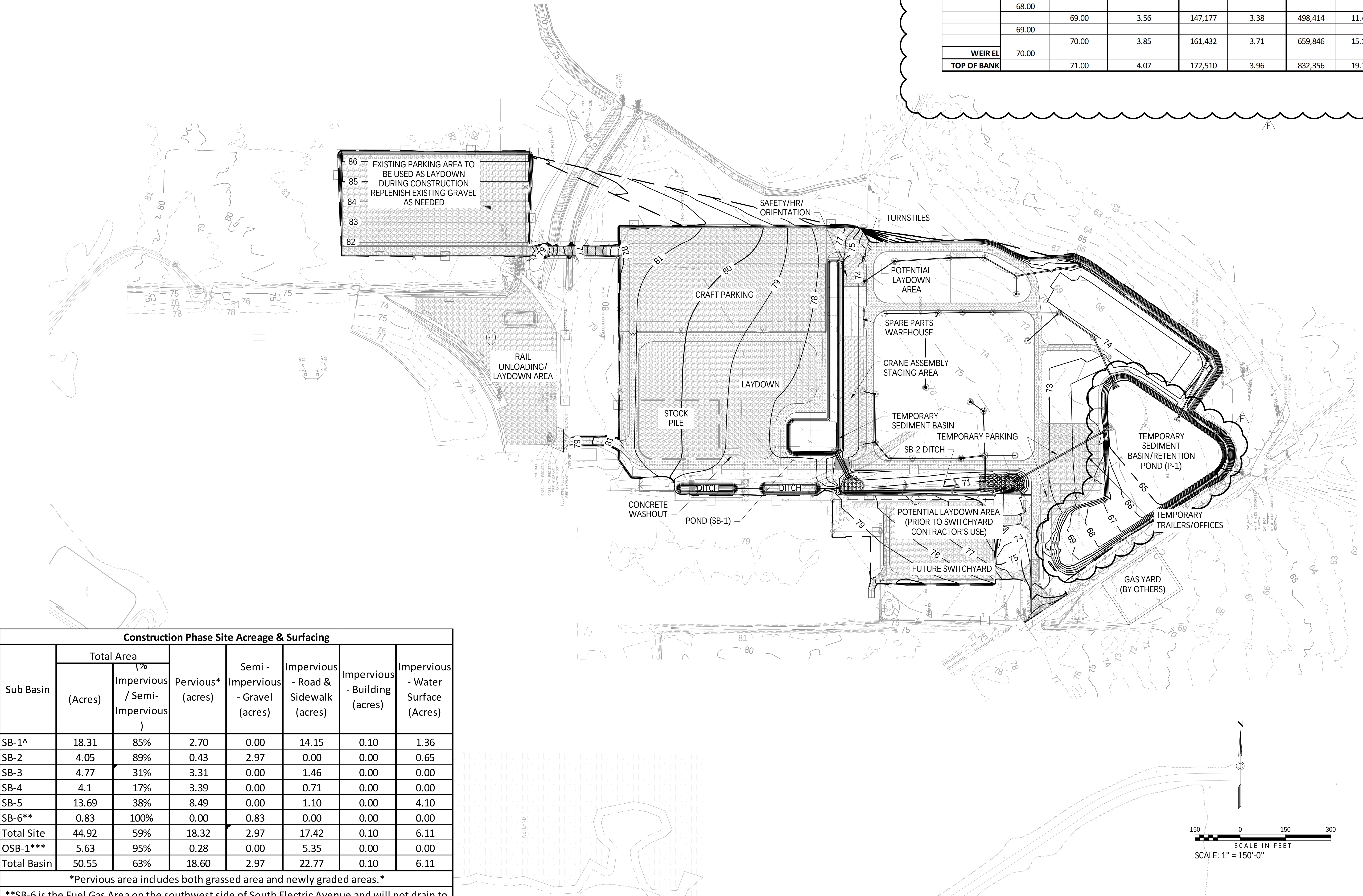
P0015690-CS-001

Oct 18, 2022 - 2:03pm Plotted By: Aaron Lammers R:\P\ENR\00015690-Seminole-Project\0015690-Civil\Permit\0015690-CV-CS-002.dwg Layout: 100

Construction Phase Site Acreage & Surfacing							
Sub Basin	Total Area		Pervious* (acres)	Semi - Impervious - Gravel (acres)	Impervious - Road & Sidewalk (acres)	Impervious - Building (acres)	Impervious - Water Surface (Acres)
	(Acres)	(% / Semi- Impervious)					
SB-1^	18.31	85%	2.70	0.00	14.15	0.10	1.36
SB-2	4.05	89%	0.43	2.97	0.00	0.00	0.65
SB-3	4.77	31%	3.31	0.00	1.46	0.00	0.00
SB-4	4.1	17%	3.39	0.00	0.71	0.00	0.00
SB-5	13.69	38%	8.49	0.00	1.10	0.00	4.10
SB-6**	0.83	100%	0.00	0.83	0.00	0.00	0.00
Total Site	44.92	59%	18.32	2.97	17.42	0.10	6.11
OSB-1***	5.63	95%	0.28	0.00	5.35	0.00	0.00
Total Basin	50.55	63%	18.60	2.97	22.77	0.10	6.11
Pervious area includes both grassed area and newly graded areas.							
**SB-6 is the Fuel Gas Area on the southwest side of South Electric Avenue and will not drain to							
***OSB-1 is an offsite basin that contributes to the onsite stormwater system. It is outside of the limits of disturbance. The surfacing is unchanged from pre-development conditions. ***							
^9.07 acres of gravel laydown in SB-1 is expected to be compacted at 95% or greater and is assumed to be impervious.^							

SB-1 DITCH STAGE - STORAGE DATA						
ELEV. RANGE		CONTOUR AREA		INCREMENT		TOTAL
		AC	CF	AC-FT	CF	AC-FT
73.00		0.34				
	74.00	0.63	21,245.00	0.49	21,245.00	0.49
74.00						
	75.00	0.74	29,897.50	0.69	51,142.50	1.17
75.00						
	76.00	0.85	34,624.50	0.79	85,767.00	1.97
76.00						
	77.00	0.96	39,410.00	0.90	125,177.00	2.87
77.00						
TOP OF BERM	77.50	1.02	21,524.75	0.49	146,701.75	3.37

SB-2 DITCH STAGE - STORAGE DATA						
ELEV. RANGE		CONTOUR AREA		INCREMENT		TOTAL
		AC	CF	AC-FT	CF	AC-FT
67.50		0.04				
	68.00	0.07	1,169.00	0.03	1,169.00	0.03
68.00						
	69.00	0.15	4,584.00	0.11	5,753.00	0.13
69.00						
	70.00	0.25	8,703.50	0.20	14,456.50	0.33
70.00						
	71.00	0.40	14,187.00	0.33	28,643.50	0.66
71.00						
	72.00	0.58	21,331.00	0.49	49,974.50	1.15
72.00						
	73.00	0.82	30,532.00	0.70	80,506.50	1.85



RETENTION POND (P-1) STAGE - STORAGE DATA						
ELEV. RANGE		CONTOUR AREA		INCREMENT		TOTAL
		AC	CF	AC-FT	CF	AC-FT
65.00		2.20				
	66.00	2.51	102,518	2.35	102,518	2.35
66.00						
	67.00	2.86	116,853	2.68	219,371	5.04
67.00						
	68.00	3.20	131,866	3.03	351,237	8.06
68.00						
	69.00	3.56	147,177	3.38	498,414	11.44
69.00						
	70.00	3.85	161,432	3.71	659,846	15.15
WEIR EL	70.00					
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 - TEMPORARY VISUAL BARRIER SYSTEM SHALL BE FURNISHED AND INSTALLED BY CONTRACTOR TO PROTECT THE FLORIDA OUTSTANDING WETLANDS AS REQUIRED BY THE SITE CERTIFICATION APPLICATION.
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- LEGEND
- GRASS AREA
 - GENERAL LAYDOWN AREA SURFACING
 - HEAVY HAUL ROAD
 - CRAFT PARKING AREA SURFACING
 - RAIL UNLOADING AREA SURFACING
 - ELEVATED WALKWAY
 - CONCRETE SURFACING
 - CRANE MAT SURFACING
 - NEWLY GRADED AREA
 - PROPOSED MAJOR CONTOUR
 - PROPOSED MINOR CONTOUR
 - EXISTING MAJOR CONTOUR
 - EXISTING MINOR CONTOUR
 - LIMITS OF GRADING
 - PROPOSED SILT FENCE
 - EXISTING CHAIN-LINK FENCE

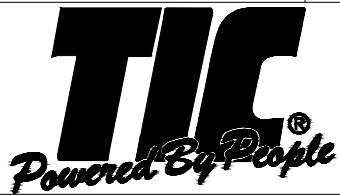
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C	RE-ISSUED FOR PERMIT - UPDATED	A. PITCHFORD	F. SMOCKS	A. GHOSH	07-29-19
B	RE-ISSUED FOR PERMIT - UPDATED	A. PITCHFORD	F. SMOCKS	A. GHOSH	07-17-19
A	ISSUED FOR BID PROPOSAL	D. LEWIS		T. POSSON	11-30-16
REV	DESIGN BY		DRAWN BY	CHECKED BY	DATE

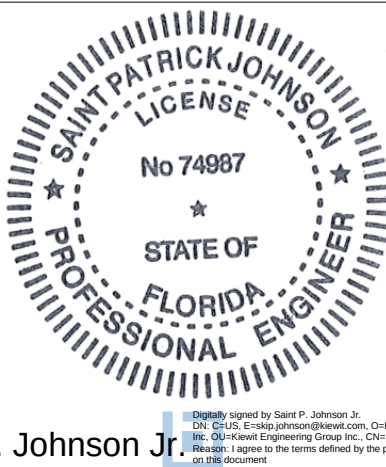


SEMINOLE ELECTRIC COOPERATIVE INC.

P2021 COMBINED CYCLE PROJECT



Kiewit Power
9401 Renner Boulevard
Lenexa, Kansas 66219



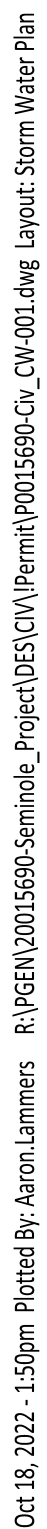
Saint P. Johnson J

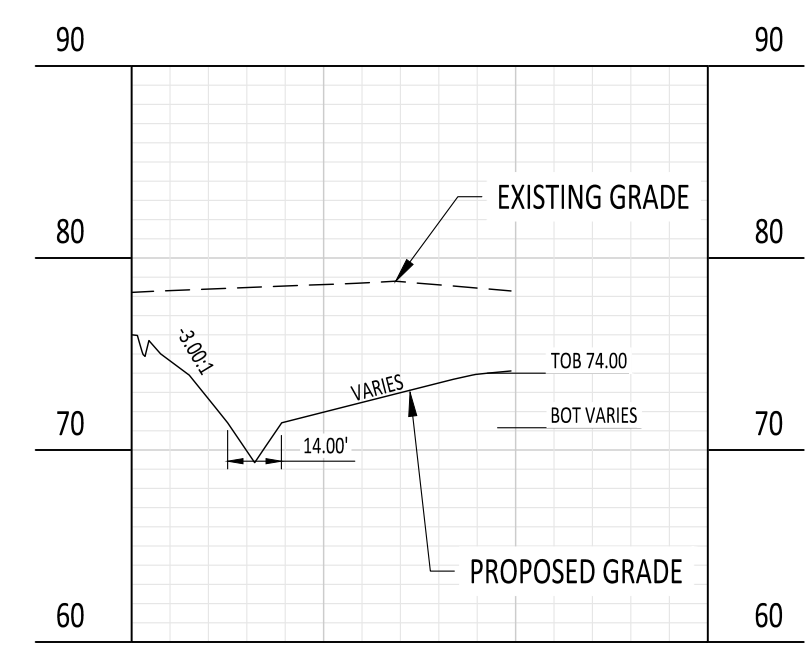
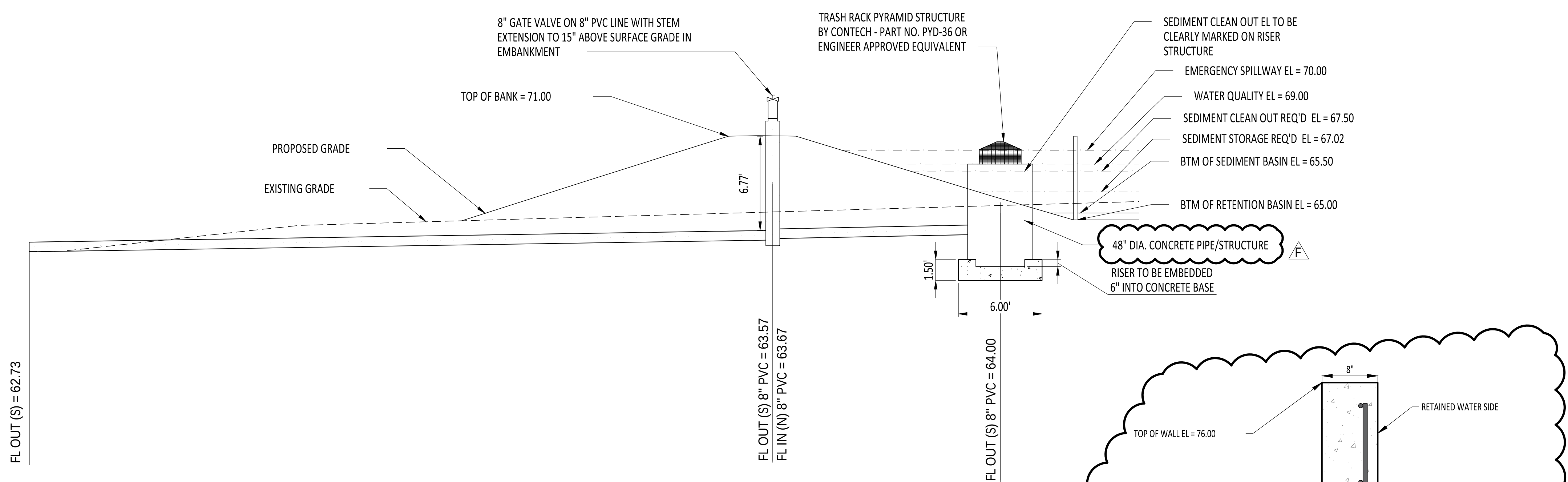
TEMPORARY - DURING CONSTRUCTION
SITE USE PLAN

ENGINEER/DESIGN
ORIGINATOR D. LEWIS
LEAD ENG T. POSSON
ENG MGR F. BUSCH
PROJ MGR C. ANDERSON

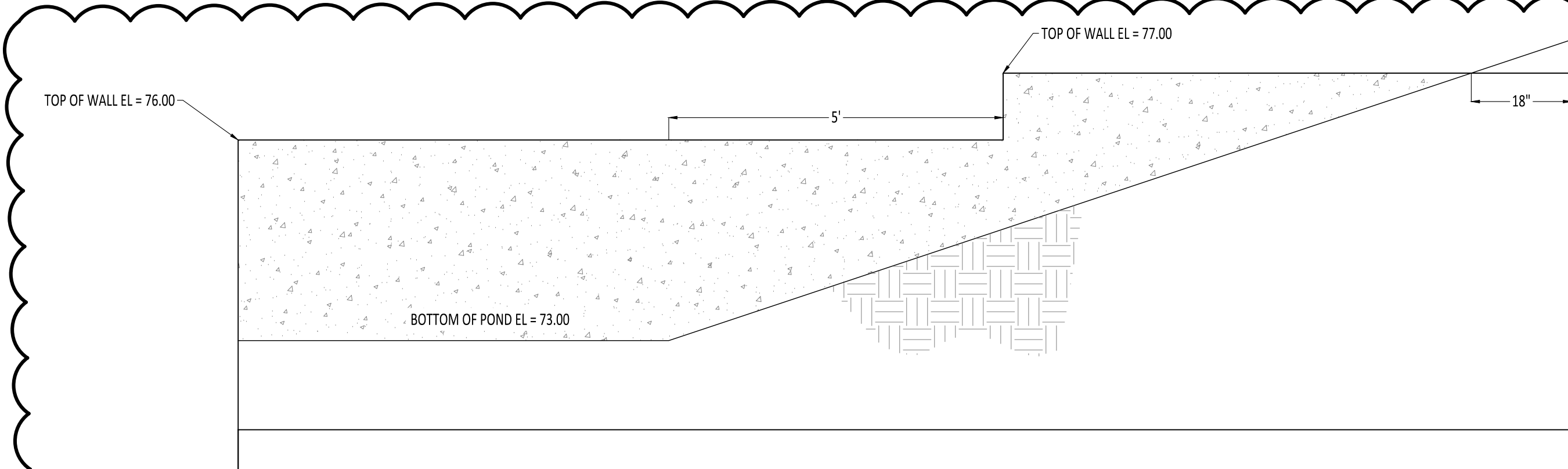
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P0015690-CS-002

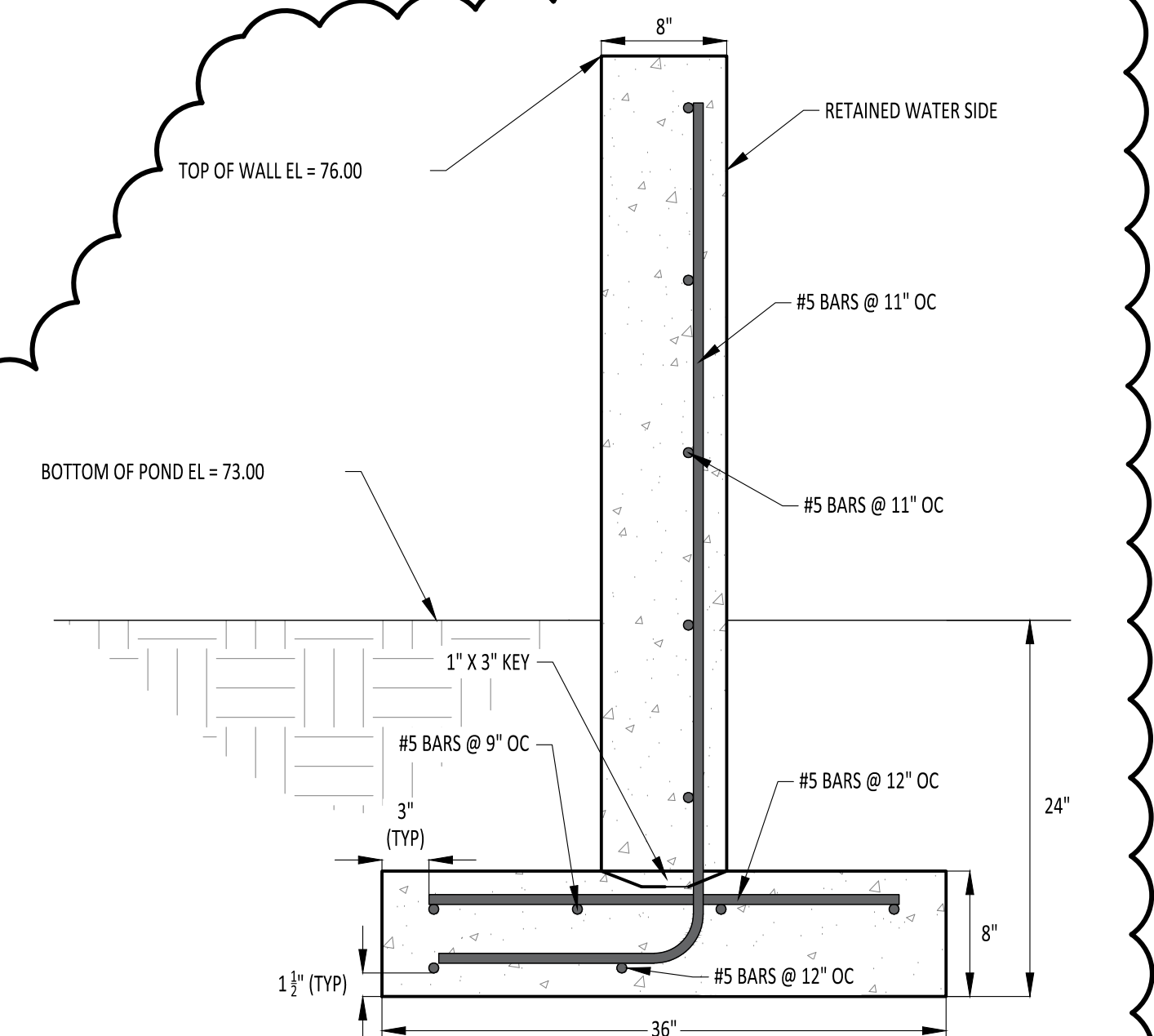




STORM WATER MANAGEMENT DITCH - SECTION 3



WEIR WALL
SECTION B-B



WEIR WALL
SECTION A-A

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A	ISSUED FOR BID PROPOSAL				
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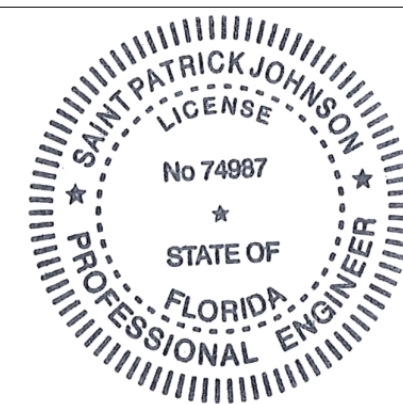
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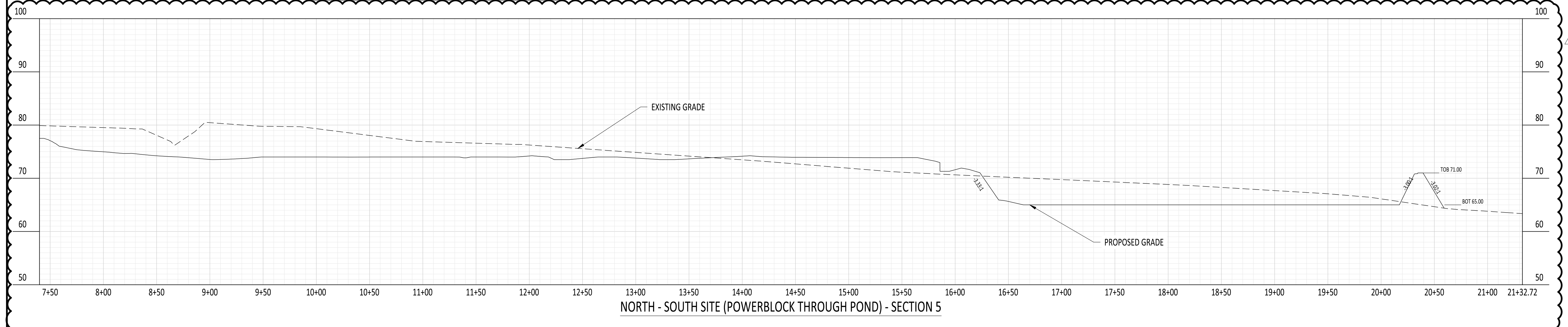
Saint P. Johnson Jr.

SECTIONS AND DETAILS

ENGINEER/DESIGN ORIGINATOR	D. LEWIS
LEAD ENG	T. POSSON
ENG MGR	F. BUSCH
PROJ MGR	C. ANDERSON

DRAWING NUMBER

P0015690-CM-001



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