

COST SUMMARY

Project:	HIDDEN FOR PRIVACY
Address:	HIDDEN FOR PRIVACY
Scope:	CONCRETE & REBAR
Date:	-

Website: www.alfasquareestimationa.com
Email: info@alfasquareestimations.com
Contact +17-869-476685



CSI DIV.	DESCRIPTION	TOTAL TRADE COST	REMARKS		
DIV. 01	GENERAL REQUIREMENTS	\$ -			
DIV. 03	CONCRETE	\$ -			
	SUBTOTAL	\$ -			
	OVERHEAD & PROFIT - 15%	\$ -			
	TOTAL BID	\$ -			
	EXCLUSIONS				
	ALL ITEMS NOT MENTIONED ABOVE ARE EXCLUDED				

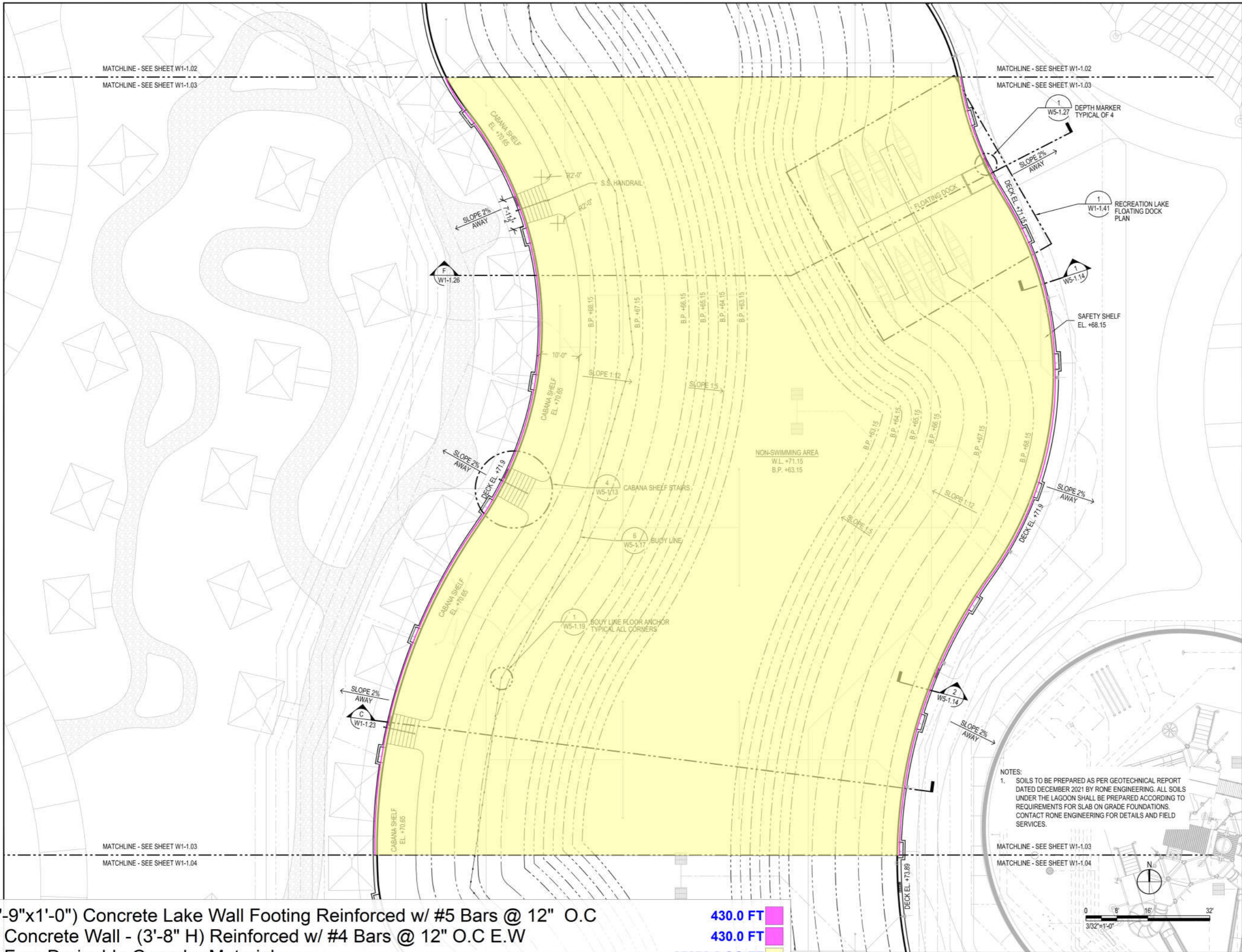
Estimate of Materials and Cost of Construction

Project: **HIDDEN FOR PRIVACY**
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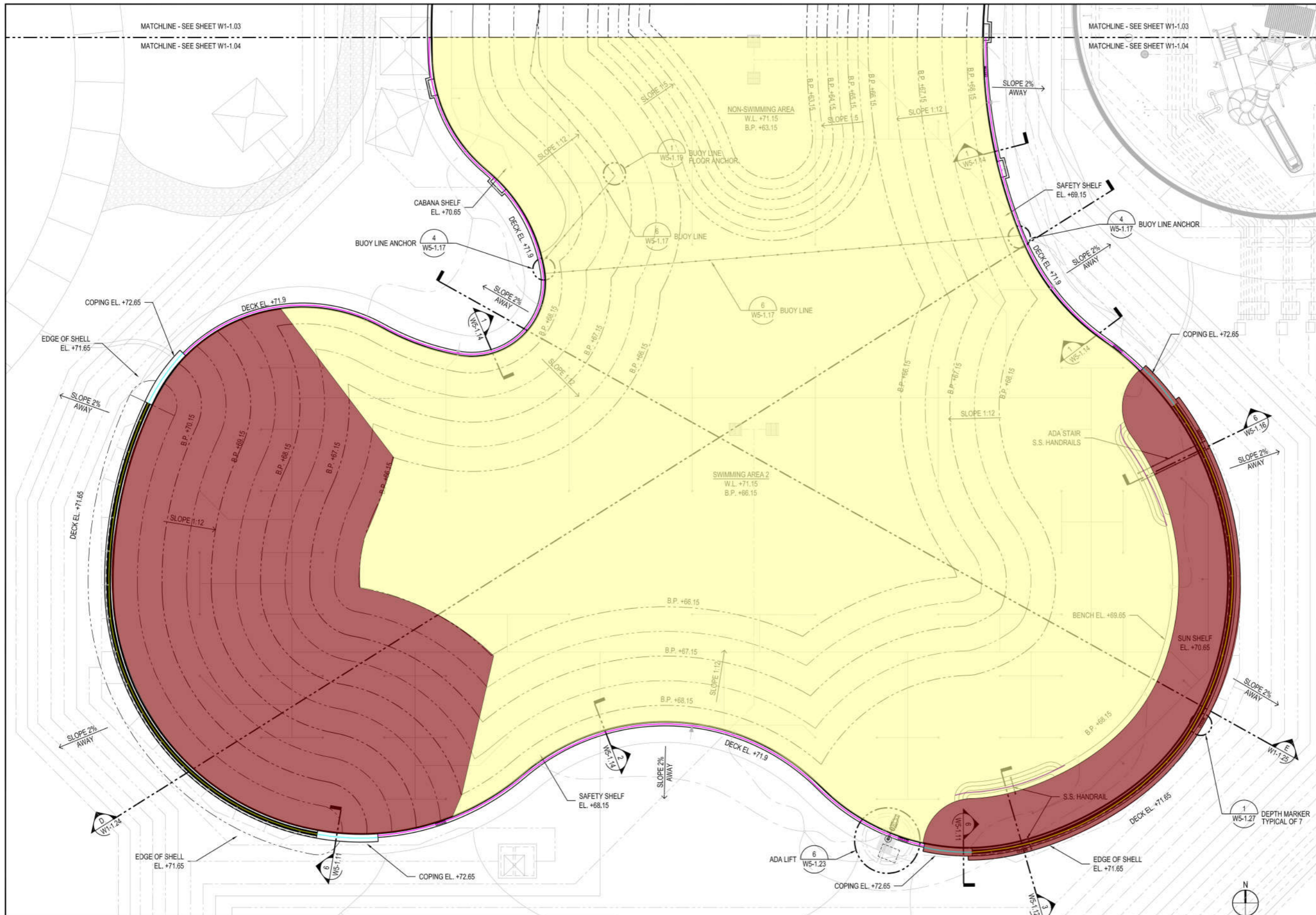
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SR #	REF. SHEET	DETAIL SHEET	DESCRIPTION	QTY.	WASTAGE	QTY WITH WASTAGE	UNIT	UNIT MANHOURS	MANHOUR RATE	UNIT LABOR RATE	TOTAL LABOR COST	UNIT MATERIAL	TOTAL MATERIAL COST	UNIT ITEM COST	TOTAL COST
DIV. 01 GENERAL REQUIREMENTS															
1			Permits Documentation And Fees	1	0%	1	LS	0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2			Hazardous Waste Or Disposal Work	1	0%	1	LS	0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
3			Owner Purchased, Contractor Installed Items	1	0%	1	LS	0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
3			Contractors Use Of New And Existing Facilities	1	0%	1	LS	0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
4			Correction Of Unsatisfactory Conditions	1	0%	1	LS	0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
4			Restoration Of Unit Damaged During Installation	1	0%	1	LS	0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
5			Replacement Of Units Which Cannot Be Restored	1	0%	1	LS	0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
5			Maintaining Existing Construction In Weather High Conditions	1	0%	1	LS	0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
6			Signage	1	0%	1	LS	0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
6			Supervisory Personnel	1	0%	1	LS	0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
7			Temporary Services	1	0%	1	LS	0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
7			Water	1	0%	1	LS	0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
8			Lighting And Power	1	0%	1	LS	0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
8			Toilet Facilities	1	0%	1	LS	0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
9			Material Storage	1	0%	1	LS	0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10			Contractor's Safety Program	1	0%	1	LS	0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SUBTOTAL															\$ -
DIV. 03 CONCRETE															
SLAB ON GRADE															
6" CONCRETE SLAB REINFORCED W/ #4 BARS @ 6" O.C.E.W															
11			6" Concrete Slab Reinforced w/ #4 Bars @ 6" O.C.E.W	18660	10%	20526	SF	0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
12			Vapor Barrier 6 Mill Min.	18660	10%	20526	SF	0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
13			6" Free Draining Gravels	346	10%	380	CY	0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
6" CONCRETE SLAB REINFORCED W/ #6 BARS @ 6" O.C.E.W															
14			6" Concrete Slab Reinforced w/ #6 Bars @ 6" O.C.E.W	4844	10%	5328	SF	0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
15			Vapor Barrier 6 Mill Min.	4844	10%	5328	SF	0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
16			6" Free Draining Gravels	90	10%	99	CY	0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
8" CONCRETE SLAB ON GRADE REINFORCED W/ #4 BARS @ 12" O.C.E.W @ TOP & BOTTOM															
17			8" Concrete Slab On Grade Reinforced w/ #4 Bars @ 12" O.C.E.W @ Top & Bottom	842	10%	927	SF	0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
18			Vapor Barrier 6 Mill Min.	842	10%	927	SF	0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
19			6" Free Draining Gravels	16	10%	17	CY	0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
8" CONCRETE SLAB ON GRADE REINFORCED W/ #5 BARS @ 12" O.C.E.W @ TOP, #5 BARS @ 12" O.C @ BOTTOM															
20			8" Concrete Slab On Grade Reinforced w/ #5 Bars @ 12" O.C.E.W @ Top, #5 Bars @ 12" O.C @ Bottom	65	10%	72	SF	0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
21			Vapor Barrier 6 Mill Min.	65	10%	72	SF	0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
22			6" Free Draining Gravels	1	10%	1	CY	0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
12" CONCRETE SLAB REINFORCED W/ #5 BARS O.C.E.W @ TOP & BOTTOM															
23			12" Concrete Slab Reinforced w/ #5 Bars O.C.E.W @ Top & Bottom	4900	10%	5390	SF	0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
24			Vapor Barrier 6 Mill Min.	4900	10%	5390	SF	0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
25			6" Free Draining Gravels	91	10%	100	CY	0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
AGGREGATE															
26			6" Free Drainable Granular Material @ Lake Bed	1498	10%	1647	CY	0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TRANSITION BARRIER															
27			(1'-10 1/2") Zero Entry Transition Barrier Reinforced w/ #4 Bars & Dowels @ 6" O.C.E.W	3	10%	4	CY	0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CONTINUOUS FOOTING															
(4'-6"x1'-0") CONCRETE LAKE WALL FOOTING															
28			(4'-6"x1'-0") Concrete Lake Wall Footing Reinforced w/ #5 Bars @ 12" O.C	1	10%	1	CY	0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
29			6" Free Draining Granular Material	1	10%	1	CY	0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
30			Vapor Barrier 6 Mill Min.	30	10%	33	SF	0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
(5'-9"x1'-0") CONCRETE LAKE WALL FOOTING															
31			(5'-9"x1'-0") Concrete Lake Wall Footing Reinforced w/ #5 Bars @ 12" O.C	261	10%	287	CY	0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
32			6" Engineering Fill	131	10%	144	CY	0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
33			Vapor Barrier 6 Mill Min.	7057	10%	7762	SF	0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
(7'-0"x1'-0") CONCRETE LAKE WALL FOOTING															
34			(7'-0"x1'-0") Concrete Lake Wall Footing Reinforced w/ #5 Bars @ 12" O.C	24	10%	27	CY	0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
35			6" Free Draining Granular Material	12	10%	13	CY	0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
36			Vapor Barrier 6 Mill Min.	661	10%	727	SF	0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
(3'-0"x1'-0") CONCRETE CONTINUOUS FOOTING															
37			(3'-0"x1'-0") Concrete Continuous Footing Reinforced w/ (3) #4 Bars Continuous	28	10%	30	CY	0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
38			6" Free Draining Granular Material	14	10%	15	CY	0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
39			Vapor Barrier 6 Mill Min.	747	10%	821	SF	0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
(10'-9"x1'-0") CONTINUOUS FOOTING															
40			(10'-9"x1'-0") Concrete Continuous Footing Reinforced w/ #4 Bars @ 12" O.C.E.W @ Top, #4 Bars Continuous @ 12" O.C.E.W @ Bottom	10	10%	11	CY	0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
41			6" Free Draining Granular Material	5	10%	5	CY	0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
42			Vapor Barrier 6 Mill Min.	258	10%	284	SF	0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CONTINUOUS GUTTER CONCRETE															
LAKE SHELF GUTTER - (3.59 SF) REINFORCED															
43			Lake Shelf Gutter - (3.59 SF) Reinforced w/ #4 Bars @ 6" O.C	66	10%	72	CY	0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
KIDS POOL GUTTER CONCRETE - (2.47 SF)															
44			Kids Pool Gutter Concrete - (2.47 SF)	29	10%	32	CY	0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CONCRETE STAIRS															
45			Concrete Stairs - (6.87 SF) Reinforced w/ #4 Bars & Dowels @ 6" O.C.E.W	28	10%	31	CY	0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CONCRETE CURB															
46			6" Concrete Curb	1	10%	1	CY	0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CONCRETE WALLS															
47			6" Concrete Wall - (1'-10" H) Reinforced w/ #4 Bars @ 6" O.C.E.W	0	10%	0	CY	0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
48			6" Concrete Wall - (3'-3" H) Reinforced w/ #4 Bars @ 6" O.C.E.W	6	10%	6	CY	0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
49			6" Concrete Wall - (7'-2" H) Reinforced w/ #4 Bars @ 6" O.C.E.W	5	10%	5	CY	0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
50			8" Concrete Wall - (1'-10" H) Reinforced w/ #4 Bars @ 12" O.C.E.W	2	10%	3	CY	0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
51			8" Concrete Wall - (2'-8" H) Reinforced w/ #4 Bars @ 12" O.C.E.W	1	10%	1	CY	0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
52			8" Concrete Wall - (3'-3" H) Reinforced w/ #4 Bars @ 12" O.C.E.W	2	10%	2	CY	0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
53			8" Concrete Wall - (3'-4" H) Reinforced w/ #4 @ 12" Bars O.C.E.W	1	10%	1	CY	0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
54			8" Concrete Wall - (3'-8" H) Reinforced w/ #4 Bars @ 12" O.C.E.W	112	10%	123	CY	0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
55			8" Concrete Wall - (3'-9" H) Reinforced w/ #4 Bars @ 12" O.C.E.W	10	10%	11	CY	0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
56			8" Concrete Wall - (4'-0" H) Reinforced w/ #4 Bars @ 12" O.C.E.W	1	10%	1	CY	0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
57			8" Concrete Wall - (5'-4" H) Reinforced w/ #4 Bars @ 12" O.C.E.W	2	10%	2	CY	0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
58			8" Concrete Wall - (5'-8" H) Reinforced w/ #4 Bars @ 12" O.C.E.W	7	10%	8	CY	0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
59			12" Concrete Wall - (4'-1" H) Reinforced w/ #5 Bars @ 12" O.C.E.W Each Face	5	10%	5	CY	0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
60			12" Concrete Wall - (8'-0" H) Reinforced w/ #5 Bars @ 12" O.C.E.W Each Face	11	10%	12	CY	0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
61			12" Concrete Wall - (8'-3" H) Reinforced w/ #5 Bars @ 12" O.C.E.W Each Face	32	10%	35	CY	0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CONCRETE COLUMN															
62			(8"x8") Concrete Column - (3'-3" H) Reinforced w/ (4) #4 Bars Vertical w/ #4 Ties @ 6" O.C	0	10%	0	CY	0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
SUBTOTAL															\$ -
												TOTAL MATERIAL COST	\$ -		
												TOTAL LABOR COST	\$ -		
												TOTAL COST	\$ -		
												OVERHEAD & PROFIT (15%)	\$ -		
												TOTAL BID	\$ -		



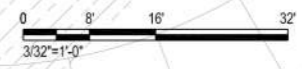
NOTES:
 1. SOILS TO BE PREPARED AS PER GEOTECHNICAL REPORT DATED DECEMBER 2021 BY RONE ENGINEERING. ALL SOILS UNDER THE LAGOON SHALL BE PREPARED ACCORDING TO REQUIREMENTS FOR SLAB ON GRADE FOUNDATIONS. CONTACT RONE ENGINEERING FOR DETAILS AND FIELD SERVICES.

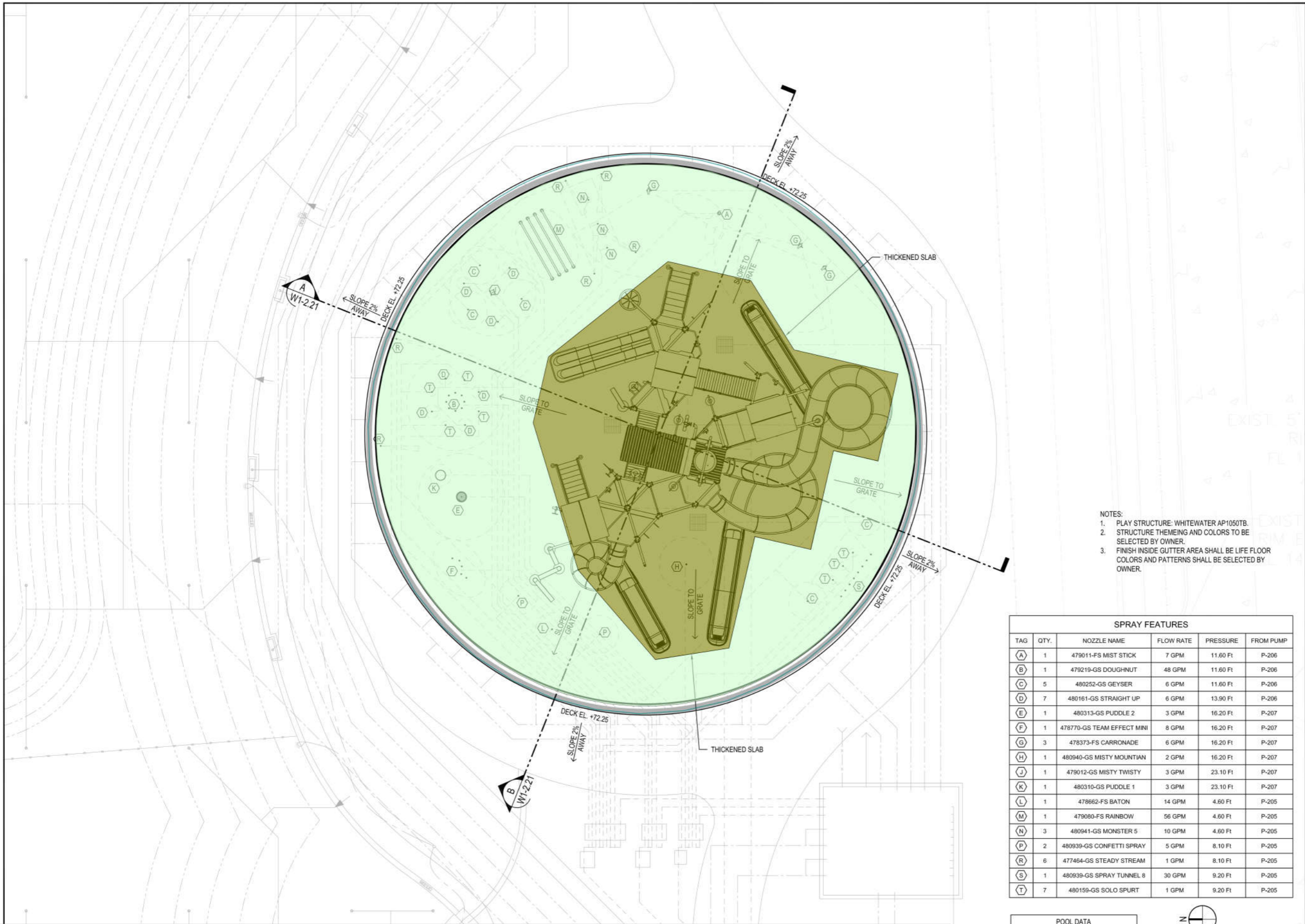
	(5'-9"x1'-0") Concrete Lake Wall Footing Reinforced w/ #5 Bars @ 12" O.C	430.0 FT
	8" Concrete Wall - (3'-8" H) Reinforced w/ #4 Bars @ 12" O.C E.W	430.0 FT
	6" Free Drainable Granular Material	27072.8 SQ FT



(5'-9"x1'-0") Concrete Lake Wall Footing Reinforced w/ #5 Bars @ 12" O.C	412.3 FT
8" Concrete Wall - (3'-8" H) Reinforced w/ #4 Bars @ 12" O.C E.W	412.3 FT
(1'-10 1/2") Zero Entry Transition Barrier Reinforced w/ #4 Bars & Dowels @ 6" O.C E.W	53.4 FT
Lake Shelf Gutter - (3.59 SF) Reinforced w/ #4 Bars @ 6" O.C	278.9 FT
6" Concrete Slab Reinforced w/ #4 Bars @ 6" O.C E.W	10019.4 SQ FT
Concrete Stairs - (6.87 SF) Reinforced w/ #4 Bars & Dowels @ 6" O.C E.W	55.5 FT
6" Free Drainable Granular Material	28480.9 SQ FT

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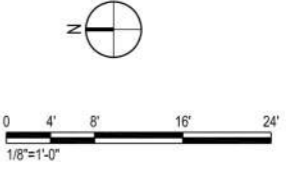




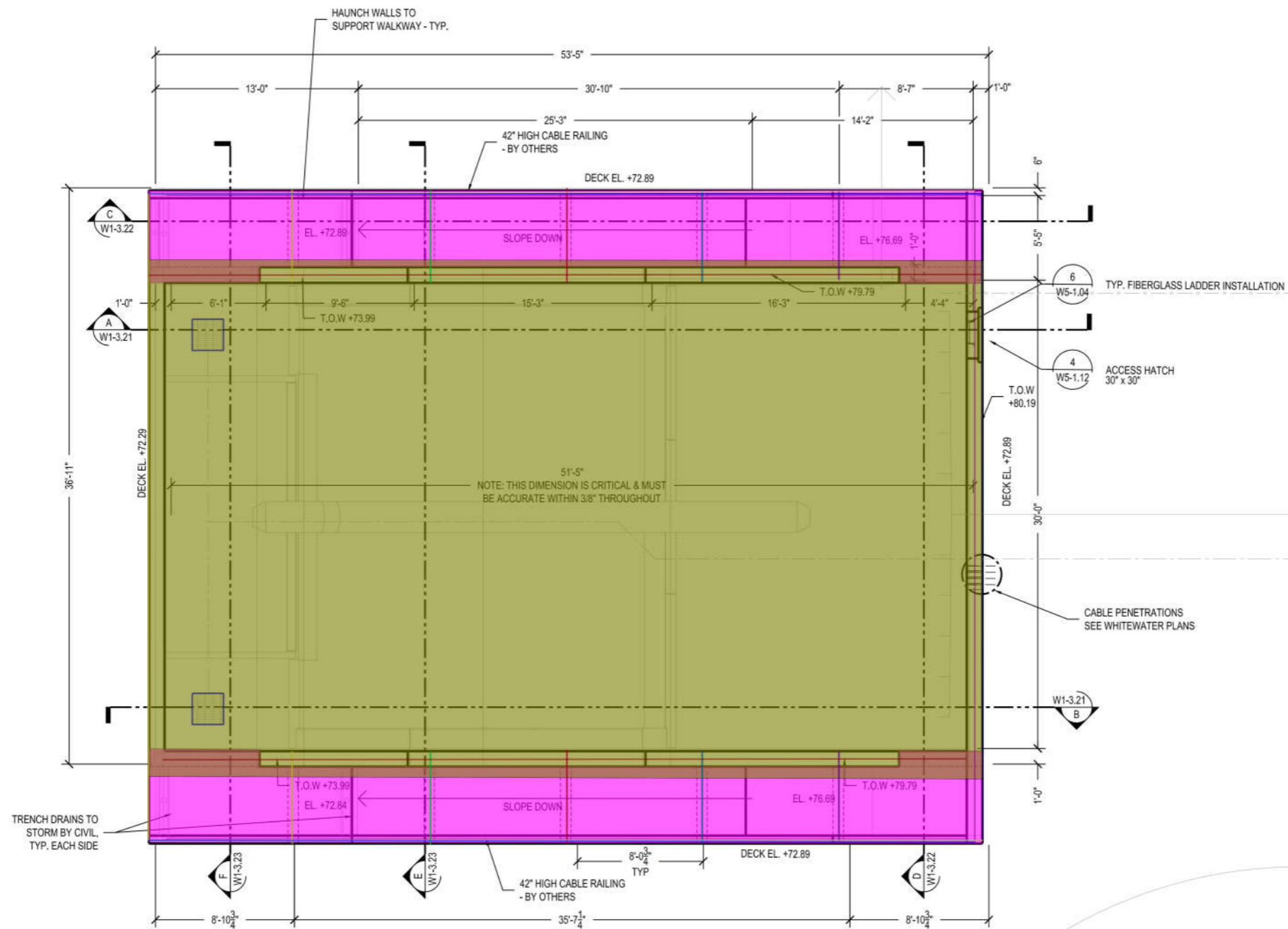
- NOTES:
1. PLAY STRUCTURE: WHITEWATER AP1050TB.
 2. STRUCTURE THEMING AND COLORS TO BE SELECTED BY OWNER.
 3. FINISH INSIDE GUTTER AREA SHALL BE LIFE FLOOR COLORS AND PATTERNS SHALL BE SELECTED BY OWNER.

SPRAY FEATURES					
TAG	QTY.	NOZZLE NAME	FLOW RATE	PRESSURE	FROM PUMP
(A)	1	479011-FS MIST STICK	7 GPM	11.60 Ft	P-206
(B)	1	479219-GS DOUGHNUT	48 GPM	11.60 Ft	P-206
(C)	5	480252-GS GEYSER	6 GPM	11.60 Ft	P-206
(D)	7	480161-GS STRAIGHT UP	6 GPM	13.90 Ft	P-206
(E)	1	480313-GS PUDDLE 2	3 GPM	16.20 Ft	P-207
(F)	1	478770-GS TEAM EFFECT MINI	8 GPM	16.20 Ft	P-207
(G)	3	478373-FS CARRONADE	6 GPM	16.20 Ft	P-207
(H)	1	480940-GS MISTY MOUNTAIN	2 GPM	16.20 Ft	P-207
(J)	1	479012-GS MISTY TWISTY	3 GPM	23.10 Ft	P-207
(K)	1	480310-GS PUDDLE 1	3 GPM	23.10 Ft	P-207
(L)	1	478662-FS BATON	14 GPM	4.60 Ft	P-205
(M)	1	479080-FS RAINBOW	56 GPM	4.60 Ft	P-205
(N)	3	480941-GS MONSTER 5	10 GPM	4.60 Ft	P-205
(P)	2	480939-GS CONFETTI SPRAY	5 GPM	8.10 Ft	P-205
(R)	6	477464-GS STEADY STREAM	1 GPM	8.10 Ft	P-205
(S)	1	480939-GS SPRAY TUNNEL 8	30 GPM	9.20 Ft	P-205
(T)	7	480159-GS SOLO SPURT	1 GPM	9.20 Ft	P-205

POOL DATA	
SURFACE AREA =	2,510 SQ.FT.
VOLUME =	15,664 GAL.
TURN OVER TIME =	0.44HRS
	26 MINS
TURN OVER FLOW RATE =	600 GPM
USER LOAD =	161 PERSONS



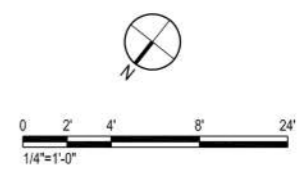
- 6" Concrete Slab Reinforced w/ #6 Bars @ 6" O.C E.W 4843.8 SQ FT
- 12" Concrete Slab Reinforced w/ #5 Bars O.C E.W @ Top & Bottom 2958.1 SQ FT
- Kids Pool Gutter Concrete - (2.47 SF) 321.5 FT

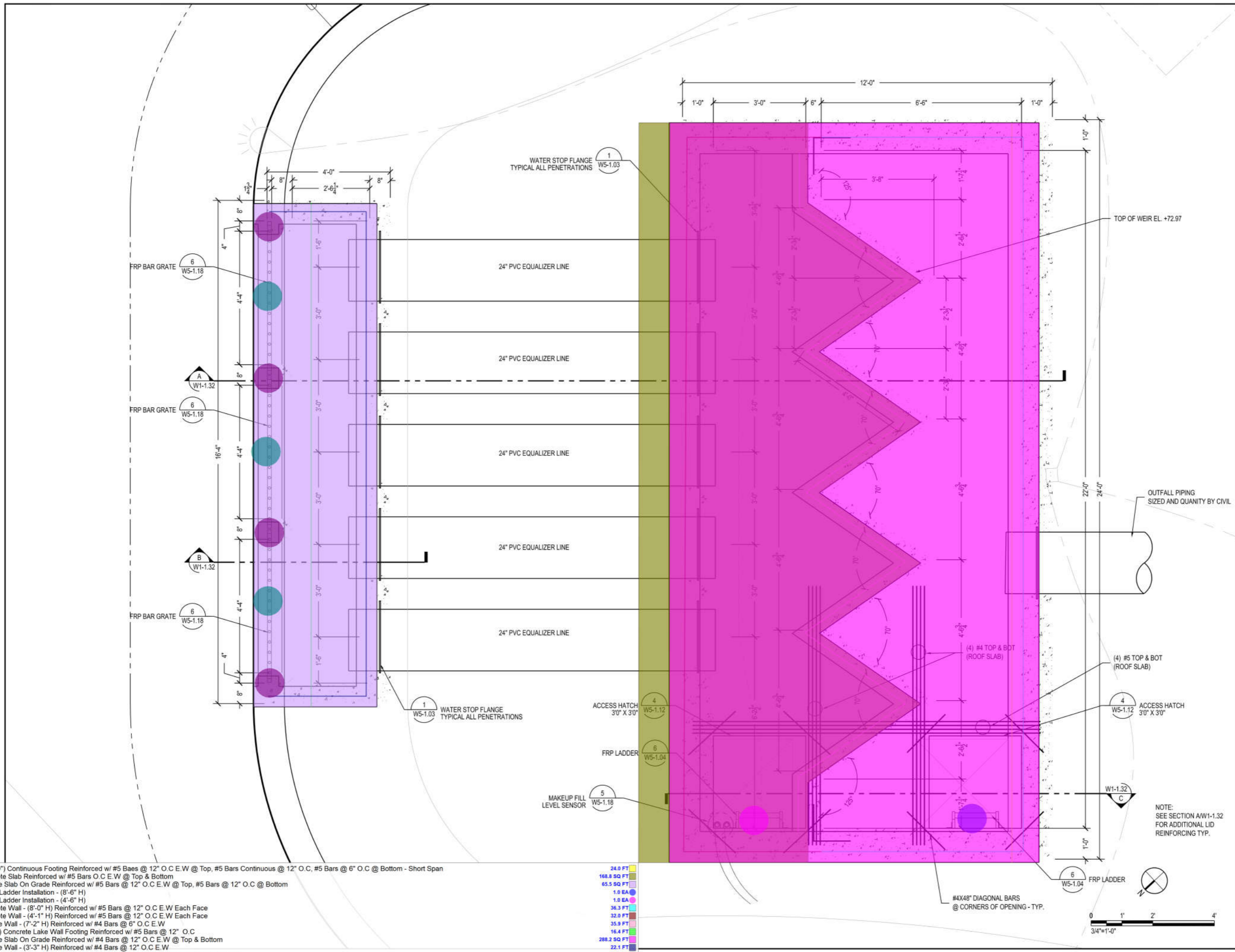


NOTES:
1) VERIFY PENETRATION LOCATIONS WITH WHITEWATER PRIOR TO INSTALLATION.

(3'-0"x1'-0") Concrete Continuous Footing Reinforced w/ (3) #4 Bars Continuous	248.9 FT
8" Concrete Wall - (5'-8" H) Reinforced w/ #4 Bars @ 12" O.C E.W	53.2 FT
8" Concrete Wall - (5'-4" H) Reinforced w/ #4 Bars @ 12" O.C E.W	11.8 FT
8" Concrete Wall - (4'-0" H) Reinforced w/ #4 Bars @ 12" O.C E.W	12.1 FT
8" Concrete Wall - (3'-9" H) Reinforced w/ #4 Bars @ 12" O.C E.W	106.4 FT
8" Concrete Wall - (2'-8" H) Reinforced w/ #4 Bars @ 12" O.C E.W	11.9 FT
8" Concrete Wall - (1'-10" H) Reinforced w/ #4 Bars @ 12" O.C E.W	53.3 FT
6" Concrete Curb	106.3 FT
8" Concrete Slab On Grade Reinforced w/ #4 Bars @ 12" O.C E.W @ Top & Bottom	554.3 SQ FT
12" Concrete Wall - (8'-3" H) Reinforced w/ #5 Bars @ 12" O.C E.W Each Face	104.9 FT
12" Concrete Slab Reinforced w/ #5 Bars O.C E.W @ Top & Bottom	1772.8 SQ FT
8" Concrete Wall - (3'-4" H) Reinforced w/ #4 @ 12" Bars O.C E.W	16.0 FT

POOL DATA		
SURFACE AREA	2,085	SQUARE FEET
VOLUME	56,165	GALLONS
TURNOVER FLOW RATE	880	GPM
TURNOVER TIME	1.06	HOURS
BATHER LOAD	2	PERSONS





1 WATER STOP FLANGE
TYPICAL ALL PENETRATIONS
W5-1.03

6 FRP BAR GRATE
W5-1.18

24" PVC EQUALIZER LINE

6 FRP BAR GRATE
W5-1.18

24" PVC EQUALIZER LINE

6 FRP BAR GRATE
W5-1.18

24" PVC EQUALIZER LINE

24" PVC EQUALIZER LINE

24" PVC EQUALIZER LINE

1 WATER STOP FLANGE
TYPICAL ALL PENETRATIONS
W5-1.03

4 ACCESS HATCH
30" X 30"
W5-1.12

6 FRP LADDER
W5-1.04

5 MAKEUP FILL
LEVEL SENSOR
W5-1.18

TOP OF WEIR EL. +72.97

OUTFALL PIPING
SIZED AND QUANTITY BY CIVIL

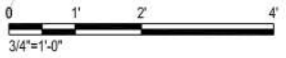
(4) #5 TOP & BOT
(ROOF SLAB)

4 ACCESS HATCH
30" X 30"
W5-1.12

NOTE:
SEE SECTION AW1-1.32
FOR ADDITIONAL LID
REINFORCING TYP.

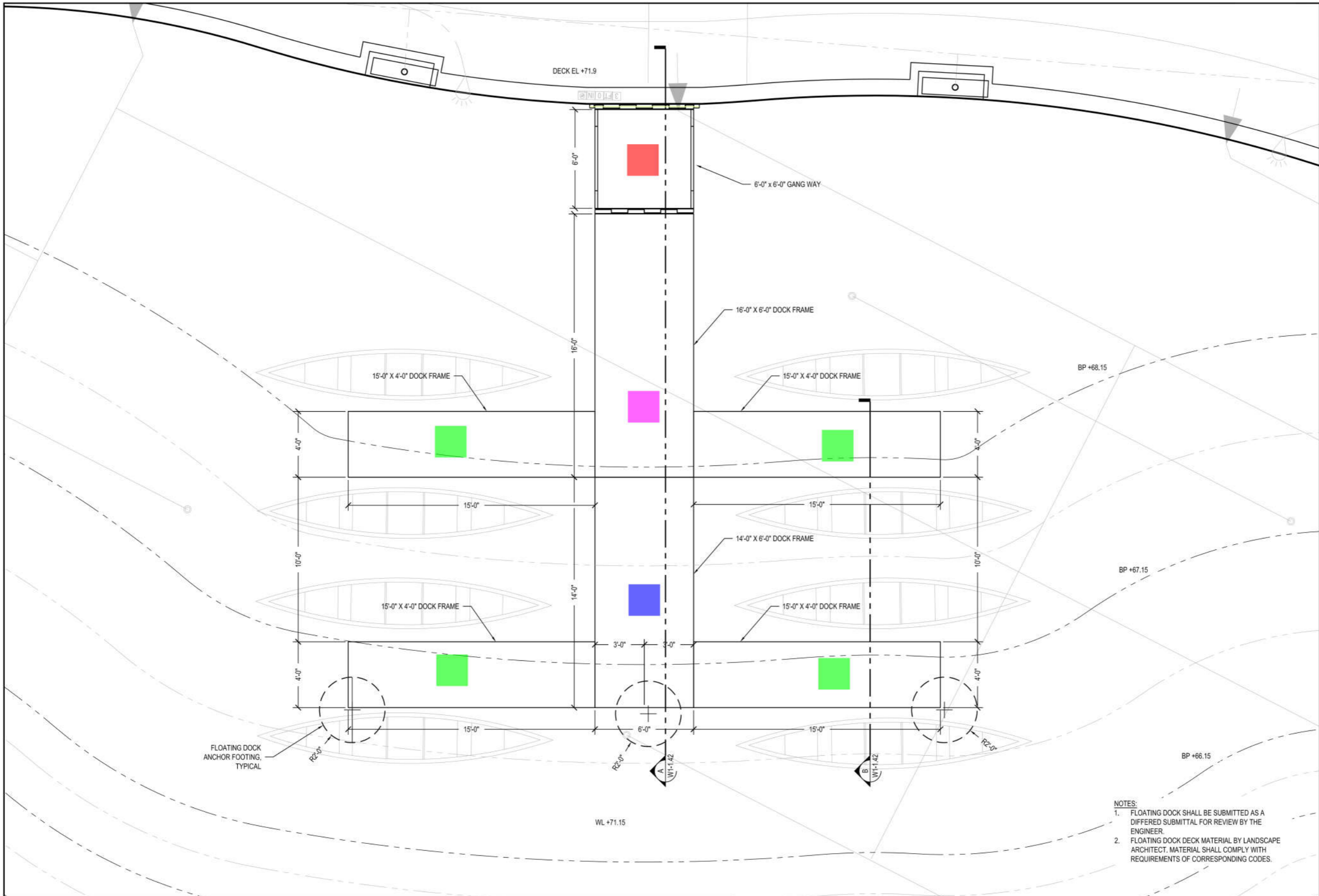
6 FRP LADDER
W5-1.04

#4X48" DIAGONAL BARS
@ CORNERS OF OPENING - TYP.



- (10'-9"x1'-0") Continuous Footing Reinforced w/ #5 Bases @ 12" O.C.E.W @ Top, #5 Bars Continuous @ 12" O.C., #5 Bars @ 6" O.C @ Bottom - Short Span
- 12" Concrete Slab Reinforced w/ #5 Bars O.C.E.W @ Top & Bottom
- 8" Concrete Slab On Grade Reinforced w/ #5 Bars @ 12" O.C.E.W @ Top, #5 Bars @ 12" O.C @ Bottom
- Fiberglass Ladder Installation - (8'-6" H)
- Fiberglass Ladder Installation - (4'-6" H)
- 12" Concrete Wall - (8'-0" H) Reinforced w/ #5 Bars @ 12" O.C.E.W Each Face
- 12" Concrete Wall - (4'-1" H) Reinforced w/ #5 Bars @ 12" O.C.E.W Each Face
- 6" Concrete Wall - (7'-2" H) Reinforced w/ #4 Bars @ 6" O.C.E.W
- (7'-0"x1'-0") Concrete Lake Wall Footing Reinforced w/ #5 Bars @ 12" O.C
- 8" Concrete Slab On Grade Reinforced w/ #4 Bars @ 12" O.C.E.W @ Top & Bottom
- 8" Concrete Wall - (3'-3" H) Reinforced w/ #4 Bars @ 12" O.C.E.W
- (8"x8") Concrete Column - (3'-3" H) Reinforced w/ (4) #4 Bars Vertical w/ #4 Ties @ 6" O.C
- (5'-0"x2'-6") Fiber Glass Gate

- 24.0 FT
- 168.8 SQ FT
- 65.5 SQ FT
- 1.0 EA
- 1.0 EA
- 36.3 FT
- 32.0 FT
- 35.9 FT
- 16.4 FT
- 288.2 SQ FT
- 22.1 FT
- 4.0 EA
- 3.0 EA



NOTES:
 1. FLOATING DOCK SHALL BE SUBMITTED AS A DIFFERED SUBMITTAL FOR REVIEW BY THE ENGINEER.
 2. FLOATING DOCK DECK MATERIAL BY LANDSCAPE ARCHITECT. MATERIAL SHALL COMPLY WITH REQUIREMENTS OF CORRESPONDING CODES.

- (4'-6"x1'-0") Concrete Lake Wall Footing Reinforced w/ #5 Bars @ 12" O.C
- 6" Concrete Wall - (1'-10" H) Reinforced w/ #4 Bars 6" O.C E.W
- (6'-0"x6'-0") Gang Way
- (15'-0"x4'-0") Floating Dock Frame Deck
- (16'-0"x6'-0") Floating Dock Frame Deck
- (14'-0"x6'-0") Floating Dock Frame Deck

- 6.7 FT
- 6.7 FT
- 1.0 EA
- 4.0 EA
- 1.0 EA
- 1.0 EA

