

PLAN NOTES

1. THIS POOL HAS BEEN DESIGNED TO OBTAIN ITS SUPPORT FROM PILES, SEE THE FOUNDATION PLAN FOR DETAILS.
2. THIS POOL HAS BEEN DESIGNED TO SUPPORT GRAVITY LOADS ONLY AND THEREFORE SHOULD NOT BE EMPTIED WHEN THE GROUND WATER LEVEL IS LESS THAN 10 FT BELOW THE SURFACE. IT IS RECOMMENDED THAT A PLACARD BE PLACED IN THE POOL EQUIPMENT AREA STATING THIS. IT IS RECOMMENDED THAT A 6" WELL CASING BE INSTALLED TO A DEPTH OF 10FT SO THAT TECHNICIANS CAN OBSERVE THE WATER DEPTH PRIOR TO EMPTYING THE POOL.
3. ANY FILL SHALL BE PLACED IN MAXIMUM LIFTS OF EIGHT (8) INCHES OF LOOSE MATERIALS AND SHALL BE COMPACTED WITHIN ONE (1) PERCENTAGE POINT BELOW AND THREE (3) PERCENTAGE POINTS ABOVE THE OPTIMUM MOISTURE CONTENT. IF WATER MUST BE ADDED, IT SHOULD BE UNIFORMLY APPLIED AND THOROUGHLY MIXED INTO THE SOIL BY DISKING OR SCARIFYING. THE FILL SHOULD BE COMPACTED TO AT LEAST 95 PERCENT OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D698 STANDARD PROCEDURES. ADEQUATE DRAINAGE SHOULD BE PROVIDED PRIOR TO AND DURING SITE WORK. THE SITE SHOULD BE GRADED TO PROMOTE RAPID RUNOFF.
4. THE POOL DECKING IS EXPECTED TO HAVE APPROXIMATELY 1 TO 1-1/2 FT OF FILL ADDED TO THE NATURAL GRADE. THE SITE SHALL BE STRIPPED OF ALL TOPSOIL WITH ORGANICS AND OTHER DELETERIOUS MATERIALS AS WELL AS UNDERCUTTING THE SURFICIAL SILTY SOIL AS NECESSARY TO PROVIDE A STABLE SUBGRADE. THE DEPTH OF STRIPPING IS EXPECTED TO BE APPROXIMATELY 6 TO 8 INCHES. HOWEVER, THE ACTUAL STRIPPING AND UNDERCUTTING DEPTHS SHOULD BE DETERMINED BY A REPRESENTATIVE OF THE GEOTECHNICAL ENGINEER AT THE TIME OF CONSTRUCTION.
5. THE POOL SHALL BE EXCAVATED TO REMOVE ANY SOFT CLAY(S) AND REPLACED WITH ENGINEERED FILL ACCORDING TO THE RECOMMENDATIONS FROM STRATUM ENGINEERING.
6. THE POOL SHALL BE CONSTRUCTED UTILIZING A STEEL GRID MATRIX OF NUMBER 3 (#3) BAR SIZE STEEL DEFORMED REBAR, GRADE 60 CONFORMING TO ASTM A615, (REBAR WITH PROTRUSIONS TO PROVIDE A MECHANICAL BOND) SPACED 10" ON CENTERS, UNLESS SHOWN OTHERWISE, IN BOTH DIRECTIONS TO INSURE THE STRUCTURAL INTEGRITY OF THE POOL SHELL. ANY REINFORCING STEEL THAT IS PLACED WITH LESS THAN 3" CLEARANCE TO EITHER SOIL OR POOL WATER SHALL HAVE A FUSION-BONDED EPOXY COATING.
7. REINFORCING STEEL SHALL BE OVERLAPPED, ESPECIALLY AROUND CORNERS, SIDE TO BOTTOM, SIDE TO DECK, AND LINEAR EXTENSIONS SHALL BE A MINIMUM OF 18" OVERLAP AND SECURED IN SUCH A MANNER TO PREVENT MOVEMENT.
8. CARE SHALL BE TAKEN SO THAT REINFORCEMENT BARS SHALL BE FREE FROM MUD, OIL OR OTHER NONMETALLIC COATINGS THAT DECREASE THE CONCRETE/REBAR BOND.
9. POOL FACETS SUCH AS INLETS, OUTLETS, DRAINS, LIGHTING FIXTURES AND ADDITIONAL APPURTENANCES SHALL BE SUPPORTED BY DIAGONAL GRIDS (#4 REBAR) SUPERIMPOSED ON THE 12" GRID MATRIX. DIAGONAL GRIDS SHALL BE SECURED IN SUCH A MANNER AS TO PREVENT MOVEMENT.
10. THE CONCRETE SHELL OF THE POOL SHALL BE A SPRAY SHOTCRETE TYPE, EITHER NET-MIX OR DRY-MIX. (DRY-MIX TYPE IS COMMONLY REFERRED TO BY THE TRADEMARK NAME OF GUNITE.) THE THICKNESS OF THE BOTTOM SHALL BE A MINIMUM OF 8 INCHES, WALLS SHALL BE A MINIMUM OF 10 INCHES AND THE SURROUNDING DECK, (A MINIMUM OF 4" FROM THE POOL EDGE) SHALL BE 4" THICK REINFORCED CONCRETE.

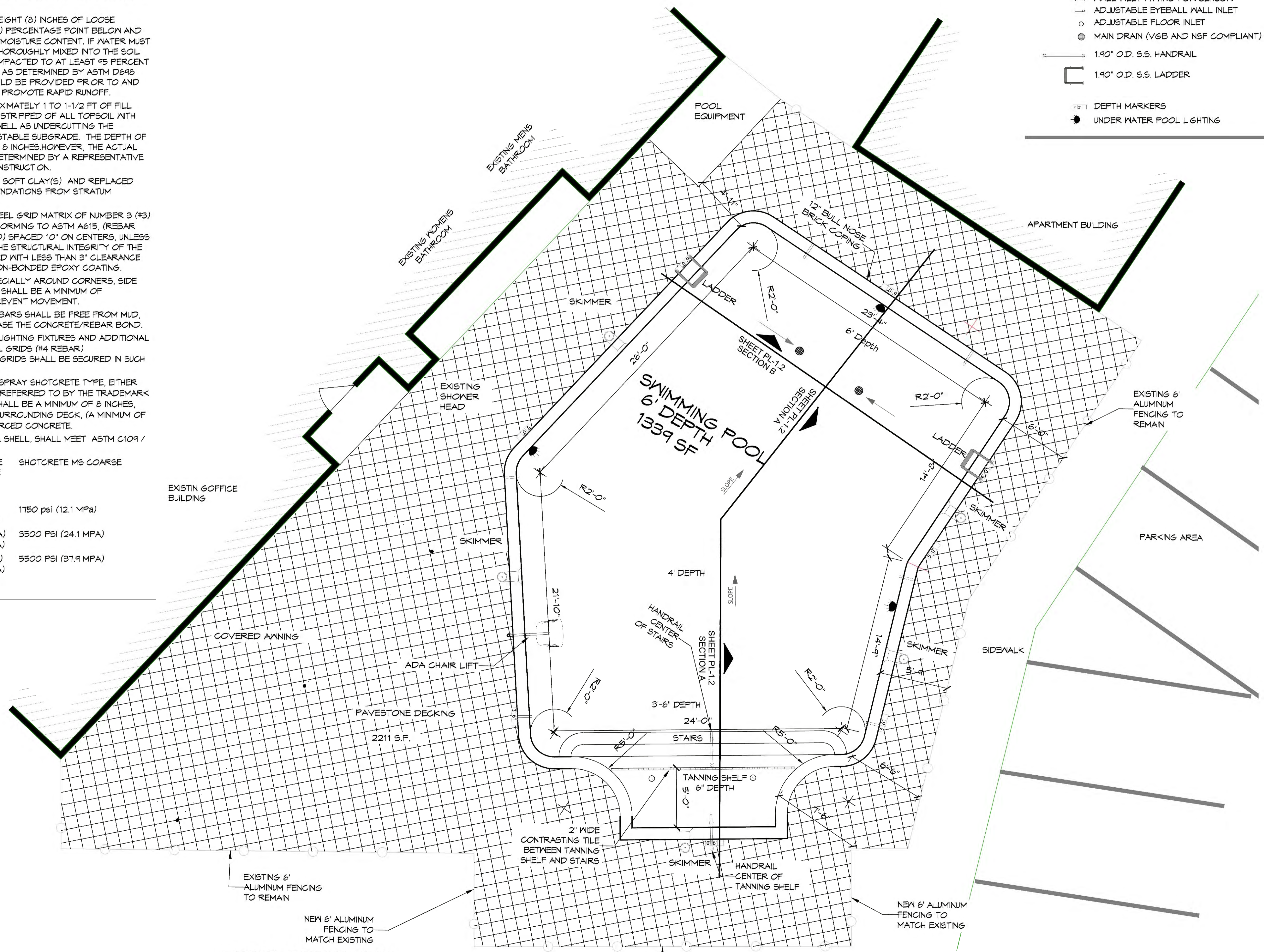
COMPRESSIVE STRENGTH FOR POOL SHELL, SHALL MEET ASTM C109 /

ASTM C39 :		SHOTCRETE MS FINE		SHOTCRETE MS COARSE	
SHOTCRETE MS FINE	SHOTCRETE MS FINE	SHOTCRETE MS FINE	SHOTCRETE MS COARSE	SHOTCRETE MS COARSE	SHOTCRETE MS COARSE
W/POLYPROPYLENE FIBER	W/STEEL FIBERS				
1 DAY	1500 PSI (10.3 MPa)	1750 psi (12.1 MPa)	1750 psi (12.1 MPa)	1750 psi (12.1 MPa)	
	1750 psi (12.1 MPa)	2500 psi (17.2 MPa)			
7 DAYS	3050 PSI (21.0 MPA)	3500 PSI (24.1 MPA)	3500 PSI (24.1 MPA)	3500 PSI (24.1 MPA)	
	3500 PSI (24.1 MPA)	4000 PSI (27.6 MPA)			
28 DAYS	5075 PSI (35.0 MPA)	5500 PSI (37.9 MPA)	5500 PSI (37.9 MPA)	5500 PSI (37.9 MPA)	
	5500 PSI (37.9 MPA)	7000 PSI (49.3 MPA)			



SYMBOL IDENTIFICATION LEGEND

- ADA POOL LIFT PER CODE
- SKIMMER (NSF CERTIFIED - VGB 2011 COMPLIANT)
- WALL INLET FITTING FOR SENSOR
- ADJUSTABLE EYEBALL WALL INLET
- ADJUSTABLE FLOOR INLET
- MAIN DRAIN (VGB AND NSF COMPLIANT)
- 1.90" O.D. S.S. HANDRAIL
- 1.90" O.D. S.S. LADDER
- DEPTH MARKERS
- UNDER WATER POOL LIGHTING



A POOL & DECK PLAN
SCALE: 1/4" = 1'-0"

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DATE	REVISIONS	DESCRIPTION

SEAL:

STONE BRIDGE MANOR APARTMENTS

POOL & DECK REPLACEMENT

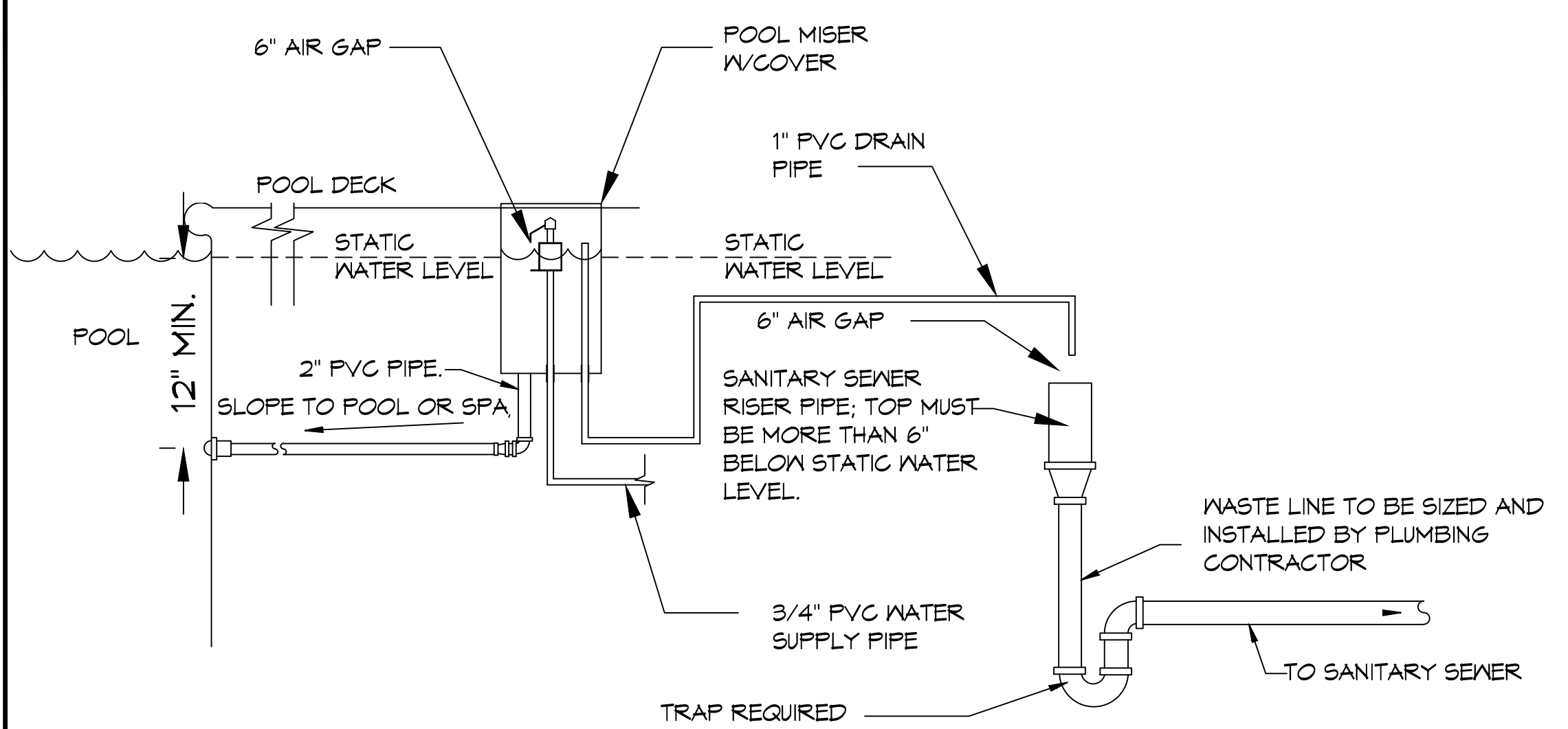
3500 WALL BOULEVARD
GREYNA, LOUISIANA

JOB No: 2898 DATE: 12/29/2018
DRAWN BY: DP CHECKED BY: BK

SHEET TITLE:
POOL & DECK PLAN

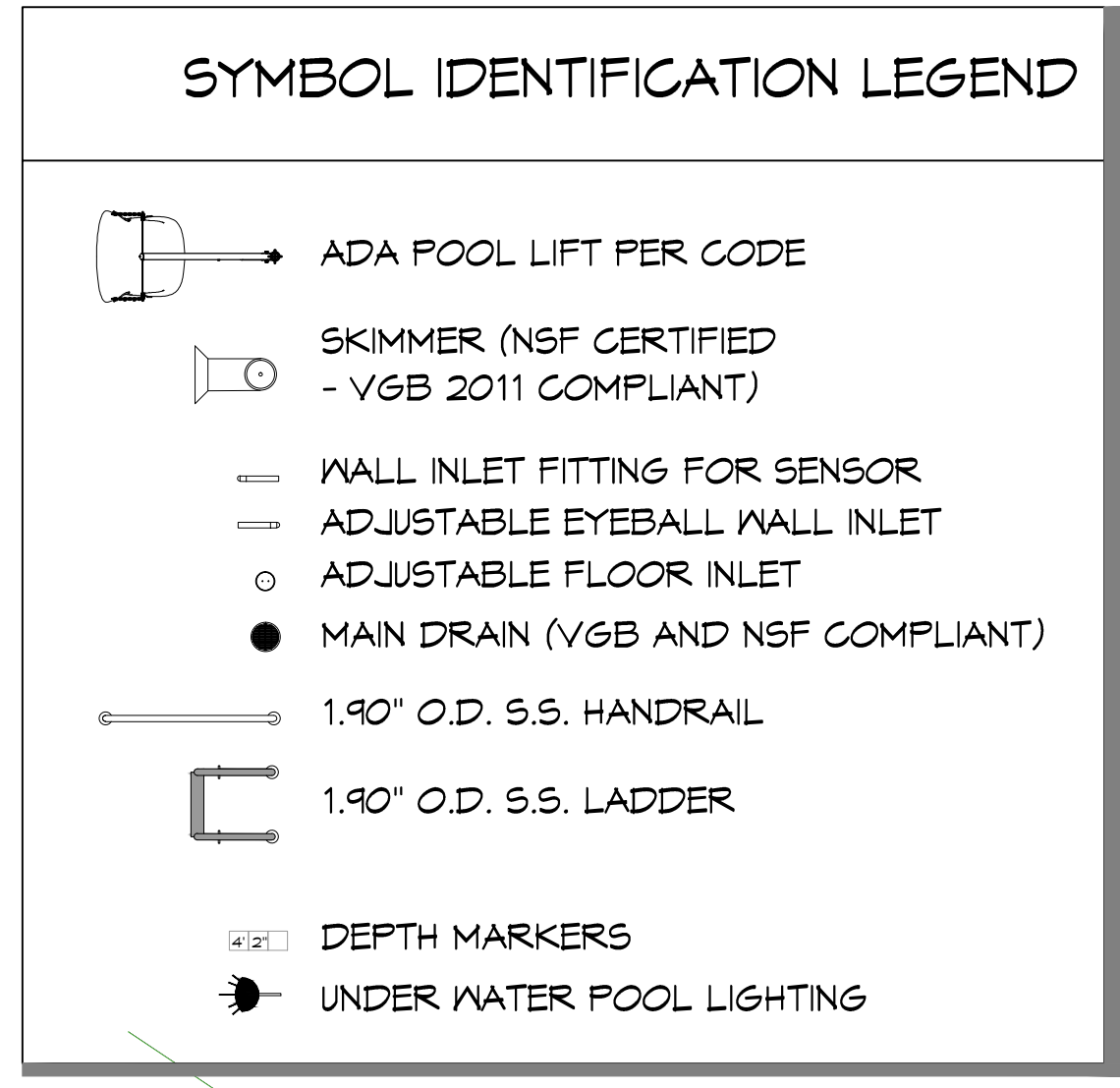
DRAWING NUMBER:
PL-1.1

SHEET No: 4 of 7

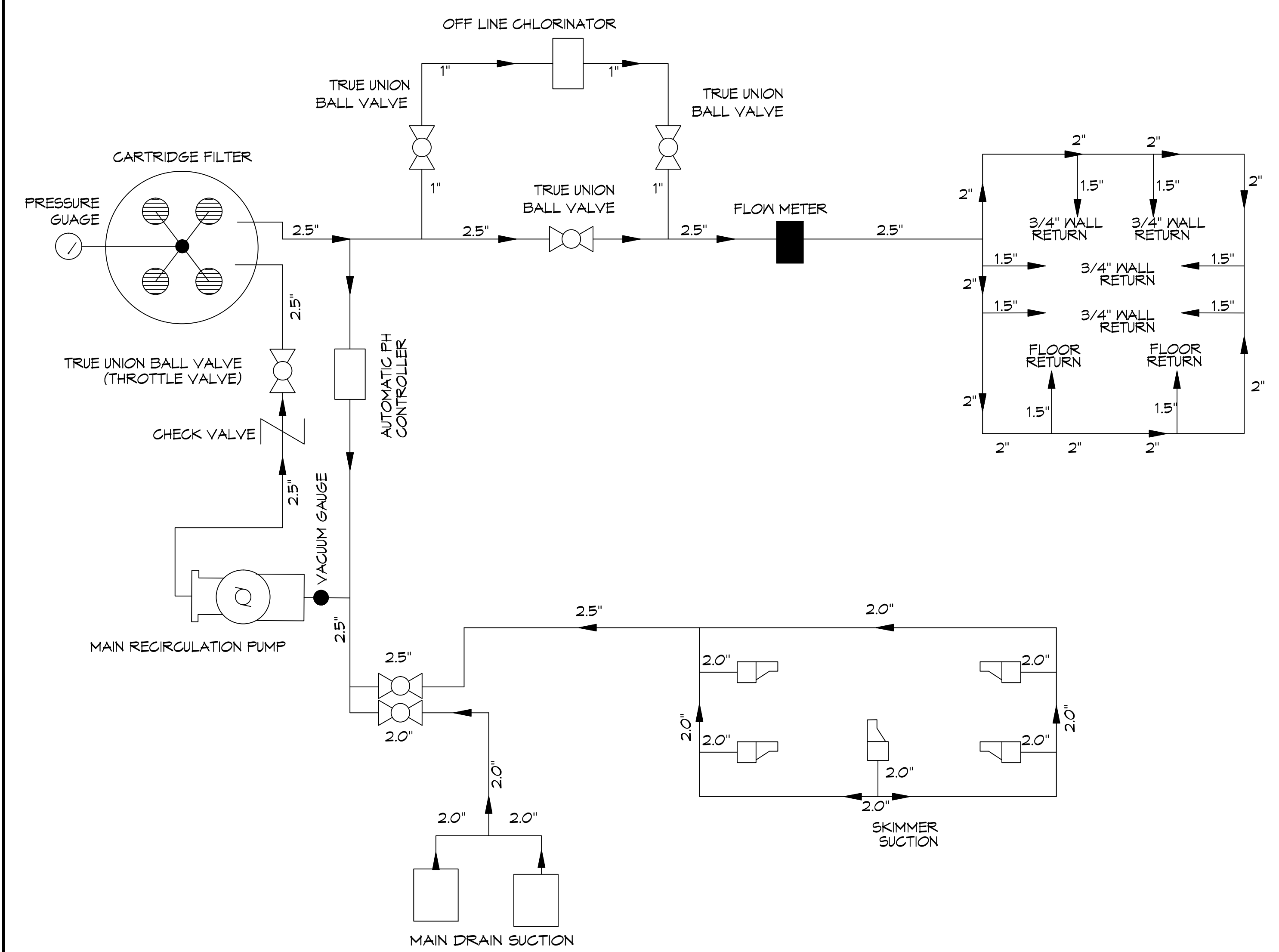


PIPE SCHEDULE					
PIPE ID	DESCRIPTION	SIZE	TYPE	FLOW RATE	VELOCITY
A	MAIN DRAIN & SKIMMER	2.5 INCH	SCH 40 PVC	83 GPM	5.42 FPS
B	SKIMMER (LOOP)	2.0 INCH	SCH 40 PVC	29.6 GPM(MAX)	3.02 FPS
C	MAIN DRAIN	2.0 INCH	SCH 40 PVC	23.7 GPM(MAX)	2.42 FPS
D	INDIVIDUAL SKIMMER	2.0 INCH	SCH 40 PVC	11.8 GPM	2.15 FPS
E	RETURN	2.5 INCH	SCH 40 PVC	83 GPM	5.42 FPS
F	RETURN (LOOP)	2.0 INCH	SCH 40 PVC	41.5 GPM	4.24 FPS
G	INDIVIDUAL RETURN	1.5 INCH	SCH 40 PVC	10.36 GPM	1.88 FPS
H	REFILL LINE	1.5 INCH	SCH 40 PVC	N/A	N/A

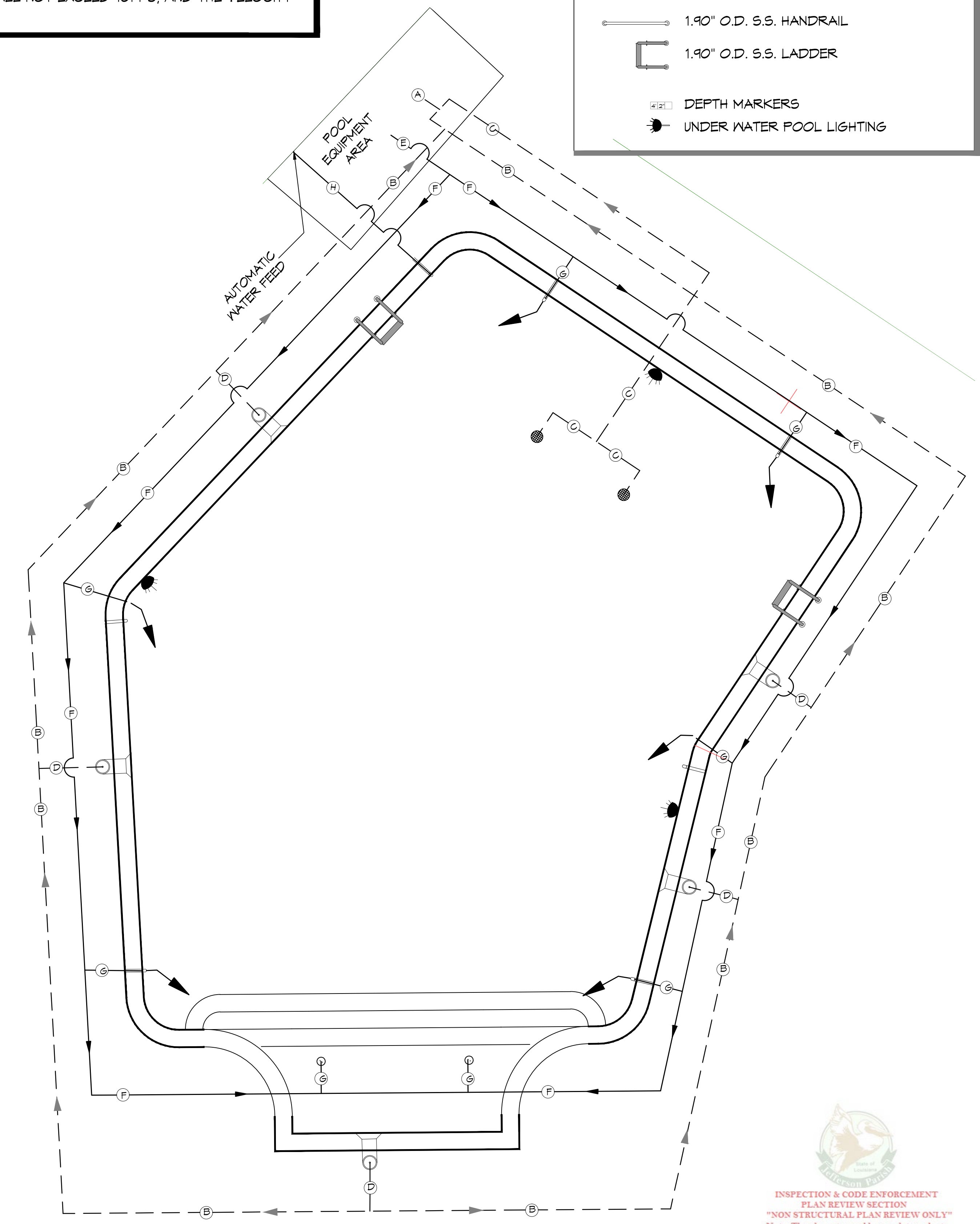
NOTE: WATER VELOCITY FOR DISCHARGING PIPE SHALL NOT EXCEED 10FPS, AND THE VELOCITY FOR THE SUCTION PIPING SHALL NOT EXCEED 6 FPS.



2 DETAIL
SCALE: N.T.S.
POOL WATER FEED & OVERFLOW



1 ONE LINE DIAGRAM
SCALE: N.T.S.



A POOL PIPING PLAN
SCALE: 1/4" = 1'-0"

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DATE	REVISIONS	#	DESCRIPTION



STARBRIGHTS MANOR
POOL & DECK REPLACEMENT

3900 WALL BOULEVARD
GRETNA, LOUISIANA

JOB No: 2959 DATE: 12/28/2019
DRAWN BY: DD CHECKED BY: BK

SHEET TITLE:
POOL PIPING PLAN

DRAWING NUMBER:

PL-3.1

SHEET No: 6 of 7

INSPECTION & CODE ENFORCEMENT
PLAN REVIEW SECTION
"NON STRUCTURAL PLAN REVIEW ONLY"
Note: The plans stamped by regulatory dept.
shall be placed on the job until completion.

