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FAIRFIELD WAREHOUSE
874 NORTH SR 73
FAIRFIELD, UTAH 84013

CLIENT CONTACT

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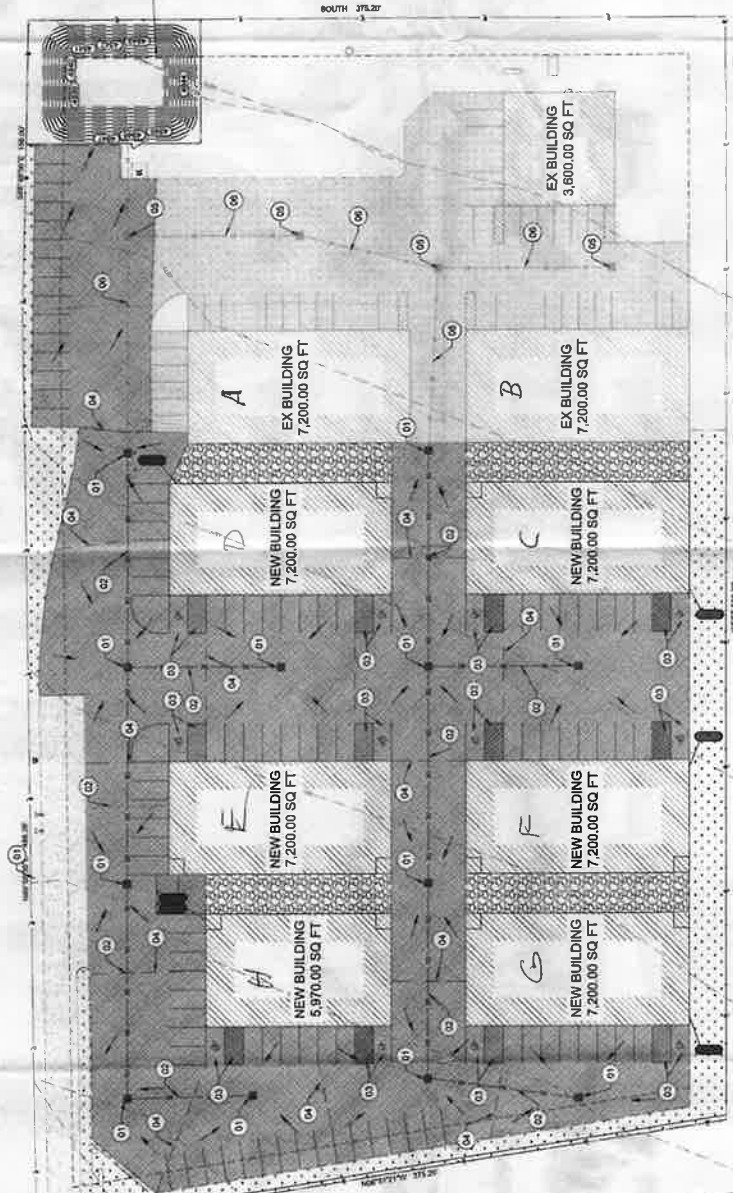
REV	DATE	DESCRIPTION

SHEET NO.

C-300
GRADING/DRAINAGE
PLAN



RETENTION POND
10 YEAR DESIGN STORM
VOLUME: 21,325.7 FT³
CATCHMENT AREA: 48,468.48
HIGH WATER MARK: 4846.48
BOTTOM OF POND: 4838.48
SIDE SLOPE: 2:1
REQUIRED CAPACITY: 20,922.24 FT³
TO BE OWNED AND MAINTAINED BY OWNER.



CAUTION: NOTICE TO CONTRACTOR

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL UTILITIES AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO BE MADE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS. IF A CONFLICT IS IDENTIFIED, THE ENGINEER OF RECORD SHOULD BE NOTIFIED IMMEDIATELY. THE CONTRACTOR IS TO BE RESPONSIBLE FOR THE DESIGN OF THE WORK BEING DONE RELATED TO THE ISSUE. CONTRACTOR IS TO BEGIN CONSTRUCTION AT LOW SIDE OF ALL GRAVITY LINES. THE DESIGN OF THIS SITE IS BASED ON THE OWNER'S DESIRES AS COORDINATED WITH OTHER ENGINEERS AND DESIGNERS. THE ENGINEER OF RECORD FOR THE CIVIL IS NOT BEING HELD RESPONSIBLE FOR THE DESIGN OF THE WORK BEING DONE RELATED TO THE LAYOUT. OWNER HAS BEEN MADE AWARE AND ACCEPTS THE RISK DUE TO LACK OF SITE DESIGN BY ENGINEER OF RECORD.

Know what's below.
Call 811 before you dig.
BLUE STAKES OF UTAH
UTILITY LOCATION-CENTRAL, INC.
www.bluestakes.com
1-800-662-4111

THE CONTRACTOR IS TO CALL BLUE STAKES PRIOR TO ANY CONSTRUCTION

KEYNOTES:

- 01 22" STORM DRAIN CATCH BASIN WITH GRATE LOAD (PAVING PAV)
- 02 8" DIAMETER HOPE PIPE @ 0.5% MIN SLOPE (MINIMUM OF 24" OF COVER ABOVE TOP OF PIPE)
- 03 ADA PARKING STALL AND LANDING ZONE WITH MAXIMUM OF 2% SLOPE ACROSS ASPHALT
- 04 RIDGE
- 05 EX 2X2 SDCB
- 06 EX 8" DIAMETER STORM PIPE

AREA	NATIONAL RUNOFF COEFFICIENT "C"	WEIGHTED "C"
Roof Area	0.8	0.23
Paved Area	0.6	0.06
Asphalt Area	0.5	3.06
Grass Area	0.15	0.24
CA		

DESIGN FREQUENCY	10 year NOAA Storm	Release Rate "R"	0.00 In/Hour/In
15 min	1.89 in/hr	RAIN FALL "C/A"	STORAGE
30 min	1.27 in/hr	171483.78 in'	6752.57 in'
60 min	0.79 in/hr	8074.88 in'	3074.68 in'
180 min	0.31 in/hr	17332.84 in'	11232.84 in'
360 min	0.18 in/hr	15009.02 in'	13200.02 in'
720 min	0.11 in/hr	15454.44 in'	15454.44 in'
1440 min	0.08 in/hr	18178.34 in'	18178.34 in'
EQUATION		26922.24 in'	20922.24 in'
		CA - C/A	DIN"/SQFT
			Storage = F/D