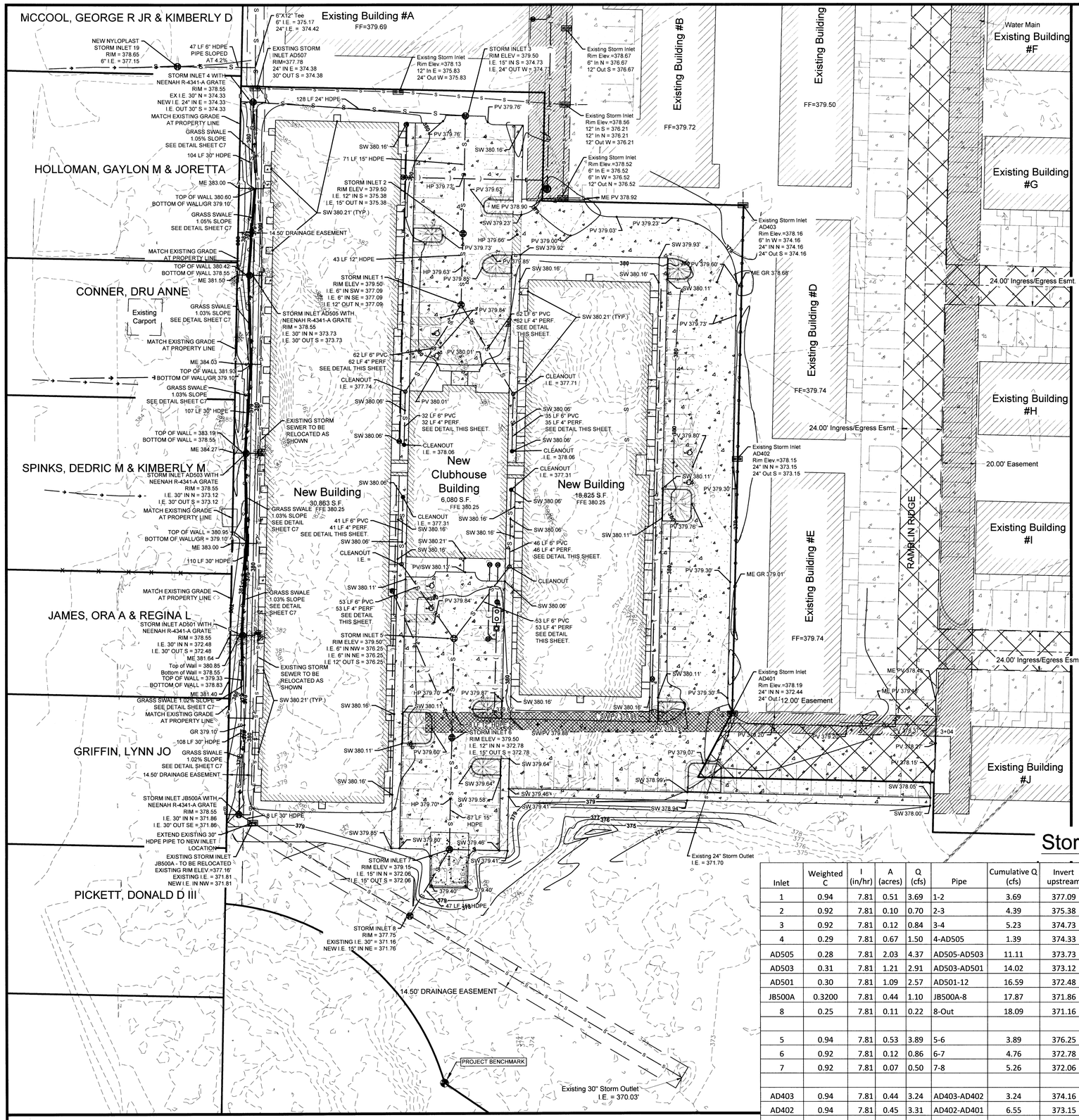

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Legend

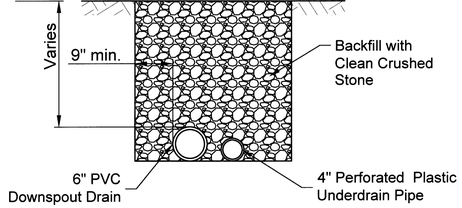
- Water Line
- Sanitary Sewer Main
- Fence
- Existing Contours
- Underground Electric
- Storm Sewer
- Limits of Pavement Removal
- Overhead Utility Lines
- Gas Lines
- Swale
- Benchmark
- Iron Pin Found
- Iron Pin Set
- Bollard
- Soil Boring Location
- Air Conditioner
- Storm Sewer Manhole
- Sanitary Sewer Manhole
- Water Meter
- Water Valve
- Utility Pole
- 470.0 Grade point
- Number of Parking Spaces
- TBR To Be Removed
- TBR To Be Removed
- TC Top of Curb
- PV Pavement
- ME Match Existing
- Sanitary Sewer Cleanout
- Gas Meter
- Storm Sewer Curb Inlet
- Storm Sewer MH/Open Lid
- Light Pole or Traffic Light
- Sign
- Existing Concrete
- New Concrete

Contractor Notes

Benchmark:
Iron Pin
Northing: 1,004,422.31'
Easting: 2,801,415.34'
Elev. = 374.962'

The Existing Conditions Plan does not guarantee the "existence or non-existence" of underground utilities. Prior to any construction, the contractor shall immediately notify the engineer of any utilities encountered but not shown hereon or if location of utilities vary from that shown on the plans. Contractor shall field verify location and depth of all utilities prior to any construction. Notify engineer of any discrepancies.

0' 30' 60' 90'



1 / C3 Underdrain Pipe Trench
Not To Scale

Storm Sewer Design

Inlet	Weighted C	I (in/hr)	A (acres)	Q (cfs)	Pipe	Cumulative Q (cfs)	Invert upstream	Invert downstream	Rim Elev	length (ft)	S (ft/ft)	n	D MIN (in)	Diameter used (in)	V (ft/sec)	Cover (ft)	Material	S (%)
1	0.94	7.81	0.51	3.69	1-2	3.69	377.09	375.38	379.50	43	0.040	0.012	9.10	12	9.83	1.41	HDPE	4.0
2	0.92	7.81	0.10	0.70	2-3	4.39	375.38	374.73	379.50	71	0.009	0.012	12.79	15	5.47	2.87	HDPE	0.9
3	0.92	7.81	0.12	0.84	3-4	5.23	374.73	374.33	379.50	128	0.003	0.012	16.71	24	4.37	2.77	HDPE	0.3
4	0.29	7.81	0.67	1.50	4-AD505	1.39	374.33	373.73	378.55	104	0.006	0.012	9.30	30	6.89	1.72	HDPE	0.6
AD505	0.28	7.81	2.03	4.37	AD505-AD503	11.11	373.73	373.12	378.55	107	0.006	0.012	20.26	30	6.85	2.32	HDPE	0.6
AD503	0.31	7.81	1.21	2.91	AD503-AD501	14.02	373.12	372.48	378.55	110	0.006	0.012	22.14	30	6.92	2.93	HDPE	0.6
AD501	0.30	7.81	1.09	2.57	AD501-12	16.59	372.48	371.86	378.55	100	0.006	0.012	21.45	30	7.15	3.57	HDPE	0.6
JB500A	0.3200	7.81	0.44	1.10	JB500A-8	17.87	371.86	371.16	378.55	110	0.006	0.012	23.51	30	7.24	4.19	HDPE	0.6
8	0.25	7.81	0.11	0.22	8-Out	18.09	371.16	370.03	377.75	191	0.006	0.012	23.61	30	6.98	4.09	HDPE	0.6
5	0.94	7.81	0.53	3.89	5-6	3.89	376.25	372.78	379.50	58	0.060	0.012	8.60	12	12.05	2.25	HDPE	6.0
6	0.92	7.81	0.12	0.86	6-7	4.76	372.78	372.06	379.50	67	0.011	0.012	12.79	15	5.93	5.47	HDPE	1.1
7	0.92	7.81	0.07	0.50	7-8	5.26	372.06	371.16	379.15	47	0.019	0.012	11.92	15	7.91	5.84	HDPE	1.9
AD403	0.94	7.81	0.44	3.24	AD403-AD402	3.24	374.16	373.15	378.16	153	0.007	0.012	12.14	24	6.36	2.00	HDPE	0.7
AD402	0.94	7.81	0.45	3.31	AD402-AD401	6.55	373.15	372.44	378.15	152	0.005	0.012	16.86	24	5.35	3.00	HDPE	0.5
AD401	0.94	7.81	0.30	2.17	AD401-OUT	8.72	372.44	371.70	378.19	65	0.011	0.012	15.88	24	8.35	3.75	HDPE	1.1

NOT FOR CONSTRUCTION REVIEW SET

REVISIONS

NO	DESCRIPTION	DATE
	REVIEW SET	06/30/20

NEIKIRK Engineering, LLC
Civil Engineers • Land Surveyors
4915 Lincoln Ave. - Evansville, IN 47715
Phone: (812) 202-3429
www.neikirk.us

SCALE:	1"=30'
DRAWN BY:	RM/TJL
DESIGNER:	TJL/RM
CHECKED BY:	TJL
ENGINEER:	MEN
ARCHITECT:	
OWNER:	

CERTIFIED BY _____

RECEIVED BY THE VANDERBURGH COUNTY SURVEYOR'S OFFICE 7-1-20

JOB TITLE
LEISURE LIVING WEST
2640 ALLENS LANE
EVANSVILLE, IN

DRAWING TITLE
GRADING & DRAINAGE PLAN

FILE LOCATION

DRAWING NUMBER C3.1

REV #

C:\Users\tlehm\Google Drive\Projects\Dgn\2019 JOBS\1927 Leisure Living Expansion - Evansville, IN\CAD\1927 Leisure Living Exp 6-29-20.dwg, 6/30/2020 5:16:34 PM